

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100325AR\
 Data File : FD049819.D
 Signal(s) : FID2B.ch
 Acq On : 03 Oct 2025 15:45
 Operator : YP/AJ
 Sample : PB169974BSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169974BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2025
 Supervised By :mohammad ahmed 10/07/2025

Integration File: autoint1.e
 Quant Time: Oct 06 04:10:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 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...	7.700	4819667	40.565 ug/ml
Spiked Amount 50.000		Recovery =	81.13%
6) S 2-Fluorobiphenyl (SURR)	8.565	3395536	39.994 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	79.99%
11) S ortho-Terphenyl (SURR)	11.613	6684637	44.778 ug/ml
Spiked Amount 50.000		Recovery =	89.56%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.493	3838604	33.778 ug/ml
2) T Naphthalene (C11.7)	6.035	4750951	36.010 ug/ml
3) T 2-Methylnaphthalene (...)	7.089	4762369	34.420 ug/ml
5) T Acenaphthylene (C15.06)	8.369	5745976	39.328 ug/ml
7) T Acenaphthene (C15.5)	8.665	5823864	39.996 ug/ml
8) T Flouorene (C16.55)	9.447	6265202	42.902 ug/ml
9) T Phenanthrene (C19.36)	10.846	6611183	45.226 ug/ml
10) T Anthracene (C19.43)	10.921	6290925	46.293 ug/ml
12) T Fluoranthene (C21.85)	12.661	6766727	47.497 ug/ml
13) T Pyrene (C20.8)	12.960	6789384	48.297 ug/ml
14) T Benzo[a]anthracene (C...	14.832	6289951	50.013 ug/ml
15) T Chrysene (C27.41)	14.877	6883966	53.584 ug/ml
16) T benzo[b]fluoranthene ...	16.383	6070696	48.734 ug/ml
17) T Bnezo[k]fluoranthene ...	16.419	5962010	50.756 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.764	5869249	48.363 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.130	6150137	54.698 ug/ml
20) T Dibenz[a,h]anthracene...	18.169	5832782	47.709 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.386	5441067	45.492 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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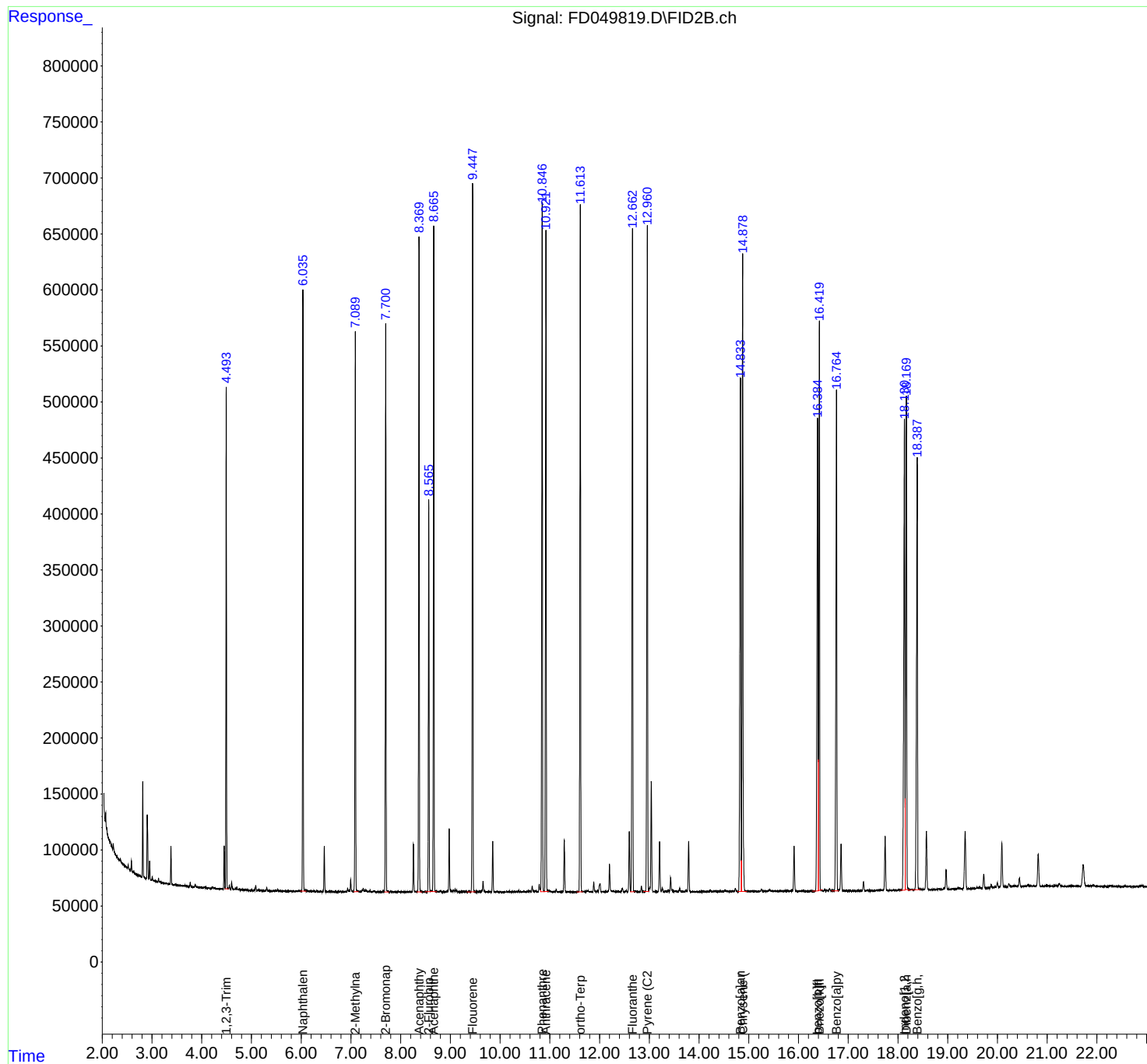
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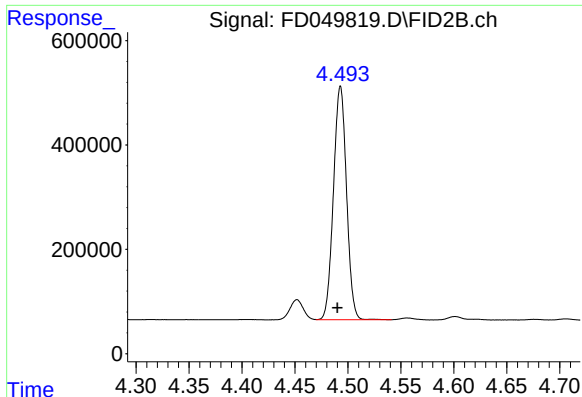
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.493 min
Delta R.T.: 0.003 min
Response: 3838604
Conc: 33.78 ug/ml

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FID_D

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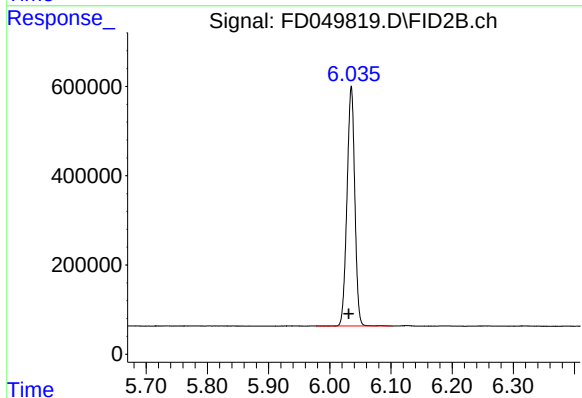
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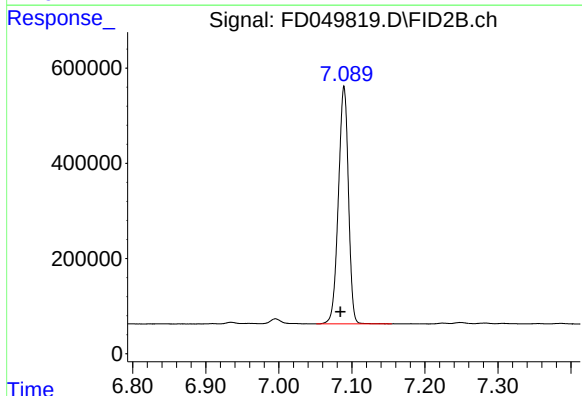
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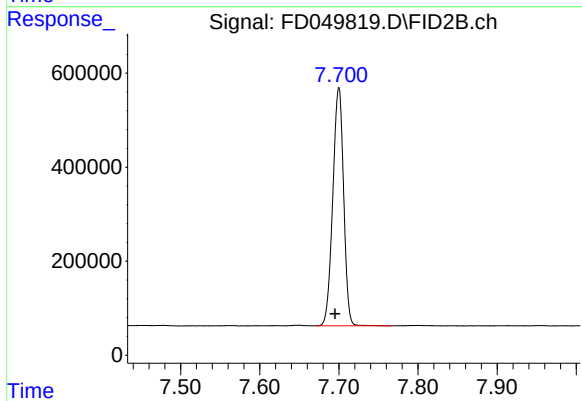
#2 Naphthalene (C11.7)

R.T.: 6.035 min
Delta R.T.: 0.004 min
Response: 4750951
Conc: 36.01 ug/ml



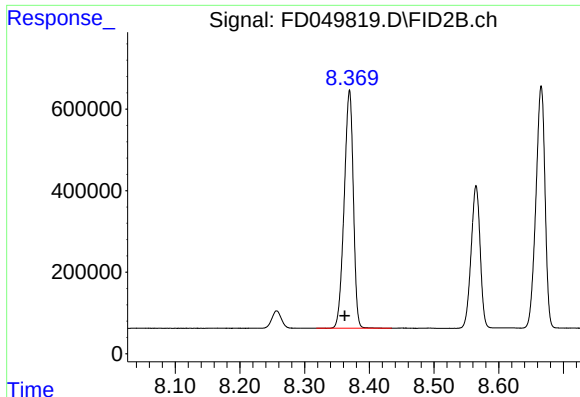
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.089 min
Delta R.T.: 0.005 min
Response: 4762369
Conc: 34.42 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.700 min
Delta R.T.: 0.005 min
Response: 4819667
Conc: 40.56 ug/ml



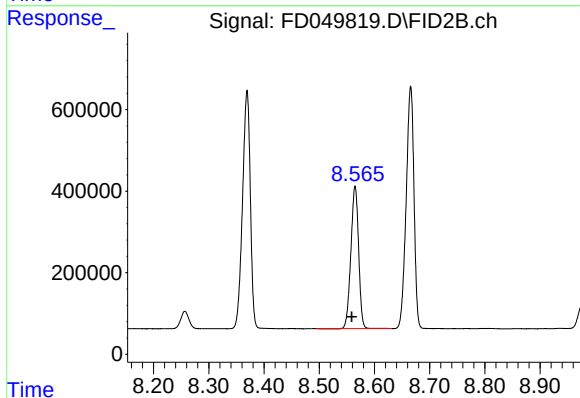
#5 Acenaphthylene (C15.06)

R.T.: 8.369 min
Delta R.T.: 0.007 min
Response: 5745976
Conc: 39.33 ug/ml

Instrument :
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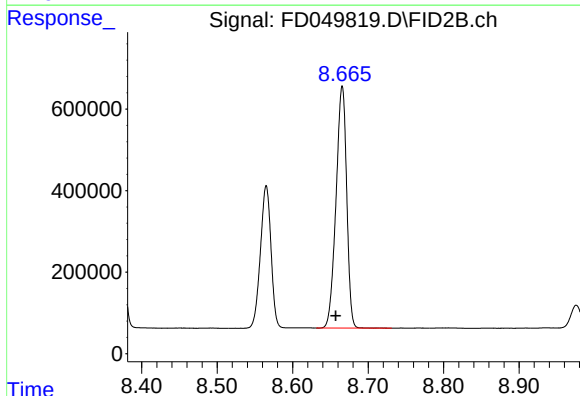
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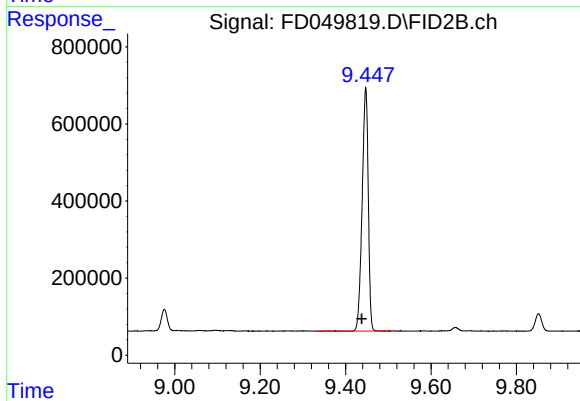
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.565 min
Delta R.T.: 0.006 min
Response: 3395536
Conc: 39.99 ug/ml



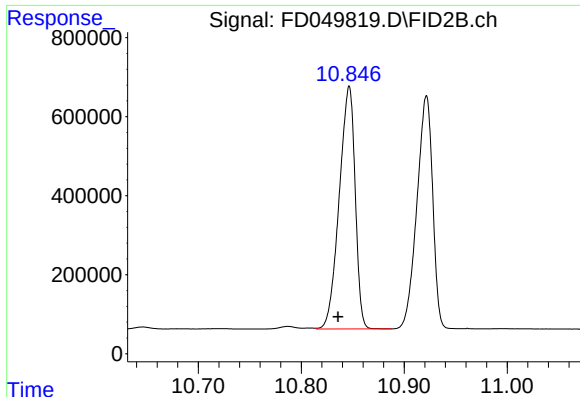
#7 Acenaphthene (C15.5)

R.T.: 8.665 min
Delta R.T.: 0.008 min
Response: 5823864
Conc: 40.00 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.447 min
Delta R.T.: 0.009 min
Response: 6265202
Conc: 42.90 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.846 min
Delta R.T.: 0.010 min
Response: 6611183
Conc: 45.23 ug/ml

Instrument :

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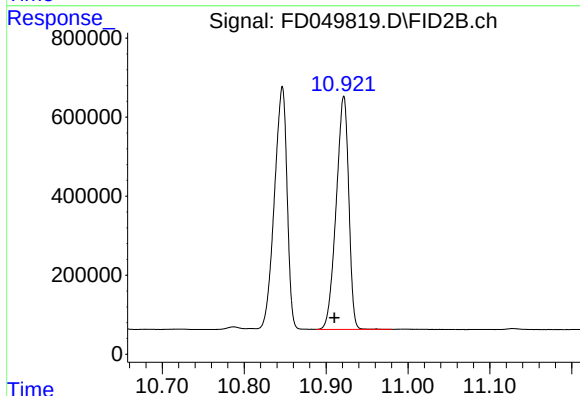
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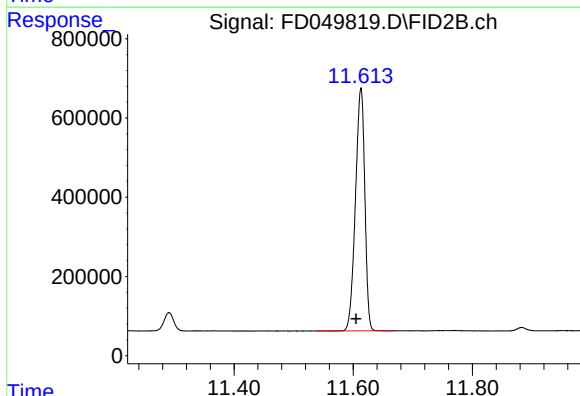
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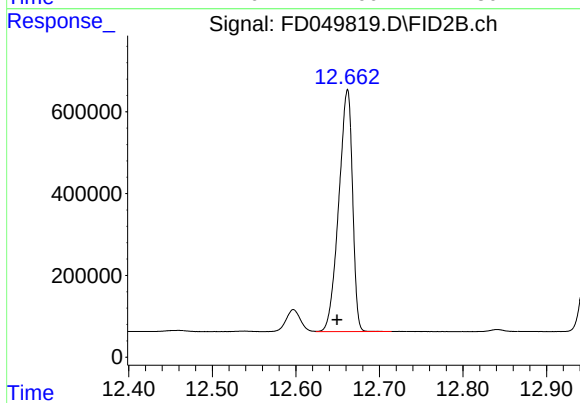
#10 Anthracene (C19.43)

R.T.: 10.921 min
Delta R.T.: 0.011 min
Response: 6290925
Conc: 46.29 ug/ml



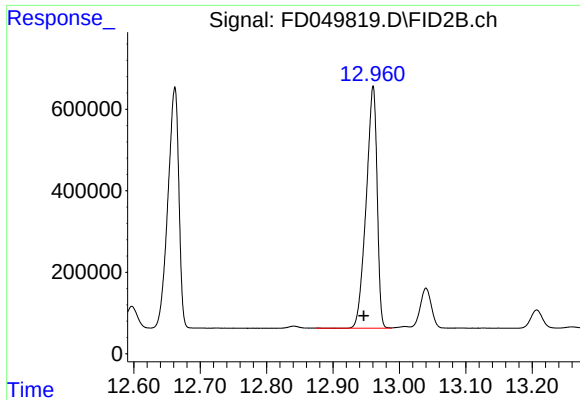
#11 ortho-Terphenyl (SURR)

R.T.: 11.613 min
Delta R.T.: 0.008 min
Response: 6684637
Conc: 44.78 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.661 min
Delta R.T.: 0.012 min
Response: 6766727
Conc: 47.50 ug/ml



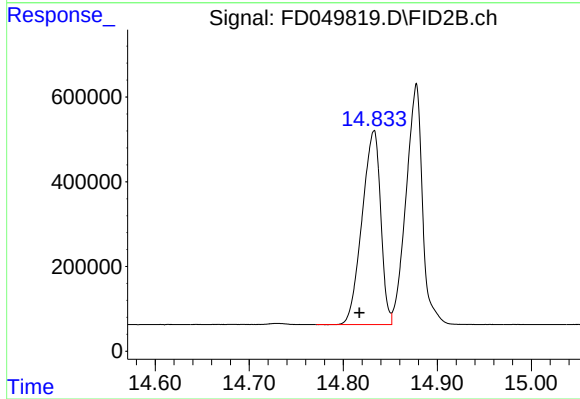
#13 Pyrene (C20.8)

R.T.: 12.960 min
Delta R.T.: 0.014 min
Response: 6789384
Conc: 48.30 ug/ml

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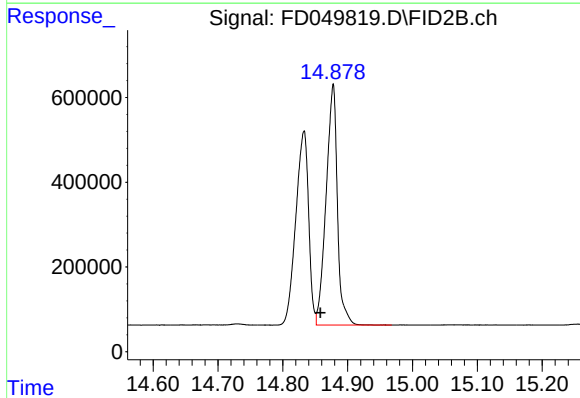
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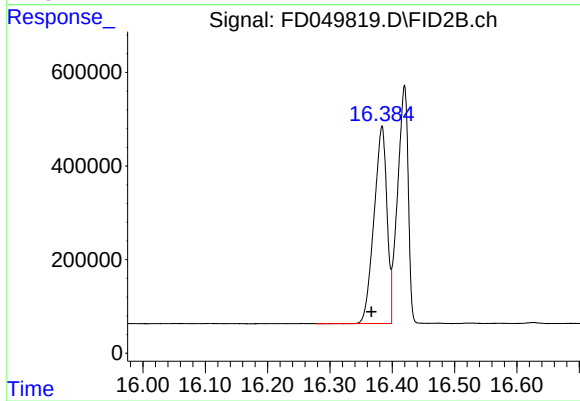
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.832 min
Delta R.T.: 0.015 min
Response: 6289951
Conc: 50.01 ug/ml



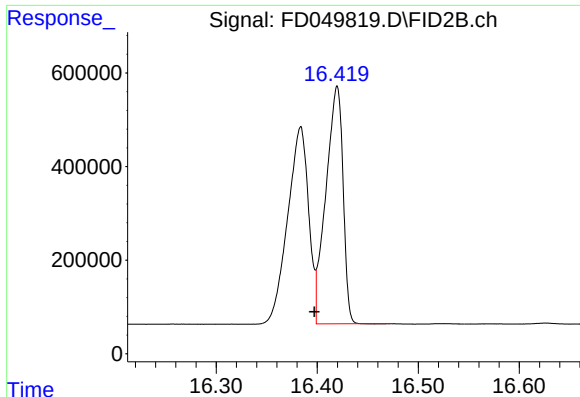
#15 Chrysene (C27.41)

R.T.: 14.877 min
Delta R.T.: 0.019 min
Response: 6883966
Conc: 53.58 ug/ml



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

R.T.: 16.383 min
Delta R.T.: 0.017 min
Response: 6070696
Conc: 48.73 ug/ml



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

R.T.: 16.419 min
Delta R.T.: 0.022 min
Response: 5962010
Conc: 50.76 ug/ml

Instrument :

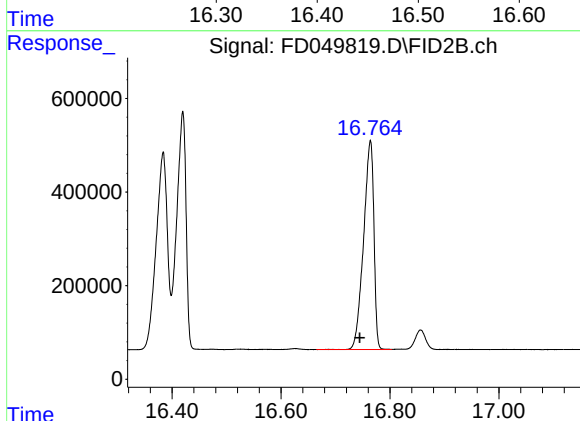
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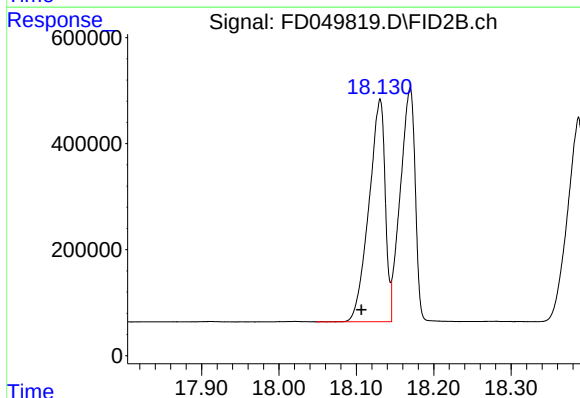
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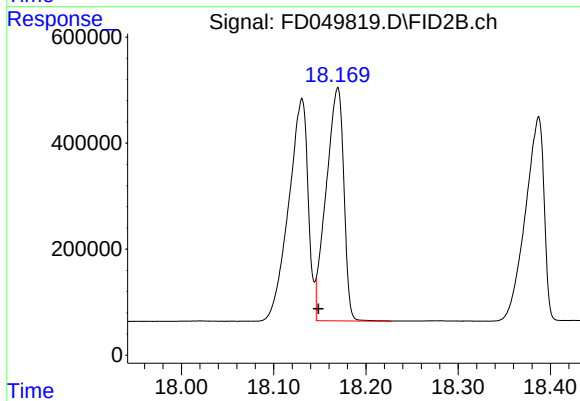
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.019 min
Response: 5869249
Conc: 48.36 ug/ml



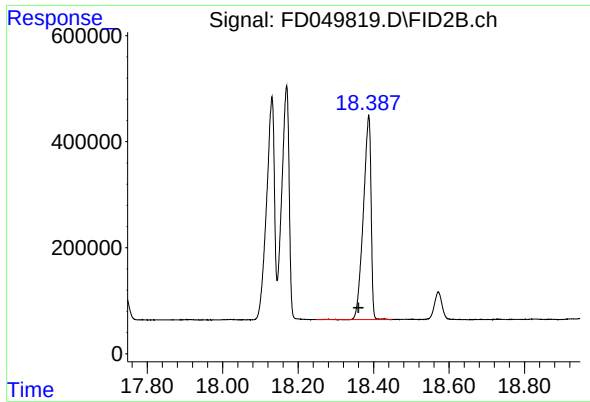
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.130 min
Delta R.T.: 0.023 min
Response: 6150137
Conc: 54.70 ug/ml



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

R.T.: 18.169 min
Delta R.T.: 0.021 min
Response: 5832782
Conc: 47.71 ug/ml m



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

R.T.: 18.386 min
Delta R.T.: 0.026 min
Response: 5441067
Conc: 45.49 ug/ml

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