

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
 Data File : FD049674.D
 Signal(s) : FID2B.ch
 Acq On : 26 Aug 2025 17:07
 Operator : YP/AJ
 Sample : PB169398BSD
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB169398BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/27/2025
 Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e
 Quant Time: Aug 27 01:43:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.716	5796429	56.558 ug/ml
Spiked Amount 50.000		Recovery =	113.12%
6) S 2-Fluorobiphenyl (SURR)	8.581	4078752	55.838 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	111.68%
11) S ortho-Terphenyl (SURR)	11.627	6000478	46.230 ug/ml
Spiked Amount 50.000		Recovery =	92.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.505	3649049	36.051 ug/ml
2) T Naphthalene (C11.7)	6.050	4607699	40.186 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	4628158	38.797 ug/ml
5) T Acenaphthylene (C15.06)	8.384	5627697	44.767 ug/ml
7) T Acenaphthene (C15.5)	8.681	5751738	45.745 ug/ml
8) T Flouorene (C16.55)	9.463	6140554	48.500 ug/ml
9) T Phenanthrene (C19.36)	10.862	6297102	48.748 ug/ml
10) T Anthracene (C19.43)	10.936	5286915	42.916 ug/ml
12) T Fluoranthene (C21.85)	12.677	6389287	49.910 ug/ml
13) T Pyrene (C20.8)	12.976	6267136	49.361 ug/ml
14) T Benzo[a]anthracene (C...	14.849	5988903	51.899 ug/ml
15) T Chrysene (C27.41)	14.893	6504367	55.554 ug/ml
16) T benzo[b]fluoranthene ...	16.401	6026805	52.990 ug/ml
17) T Bnezo[k]fluoranthene ...	16.436	5781107	54.005 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.781	5641055	50.849 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	5976357	57.979 ug/ml
20) T Dibenz[a,h]anthracene...	18.186	5762236	52.865 ug/ml
21) T Benzo[g,h,i]perylene ...	18.406	5412645	49.532 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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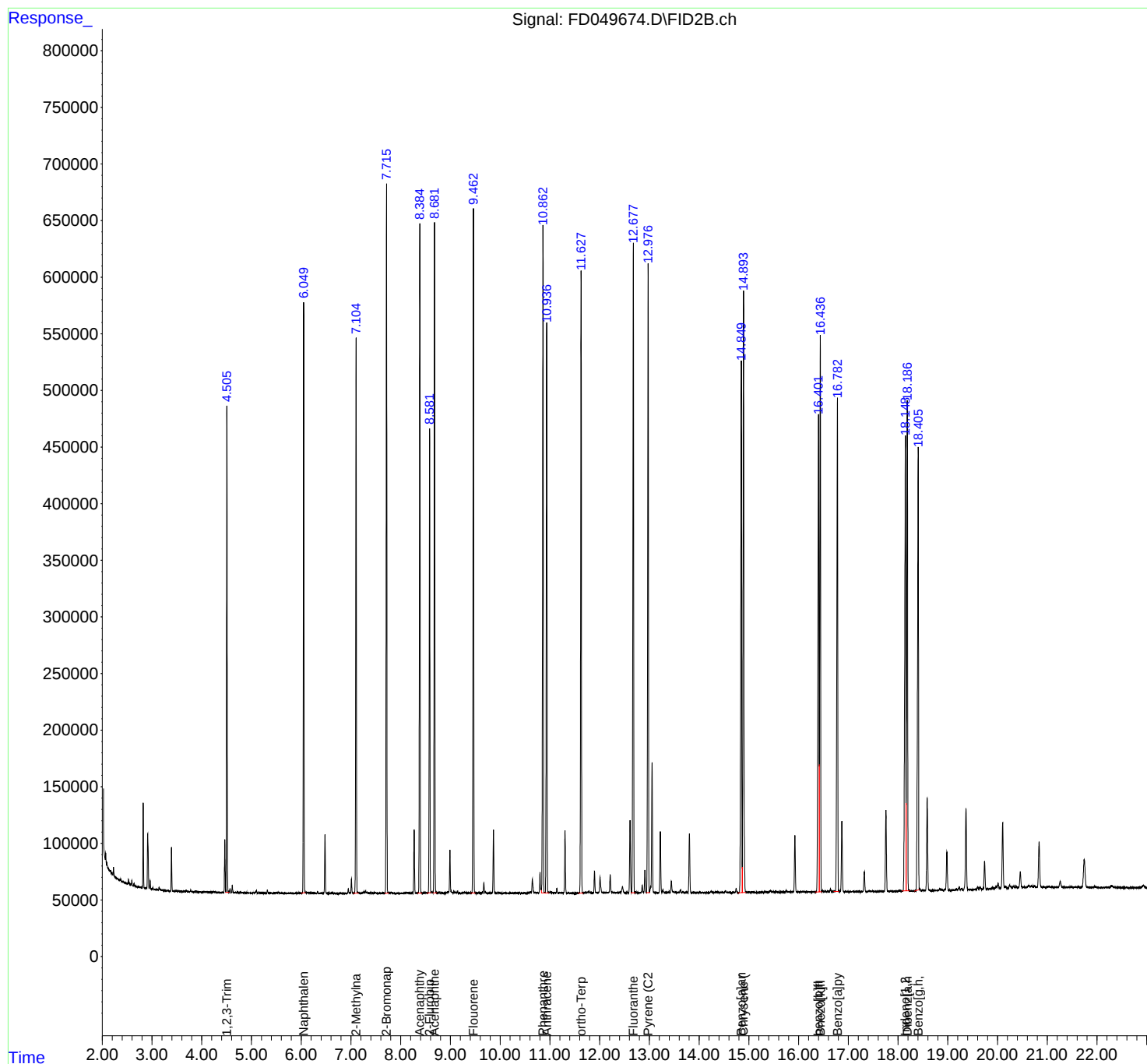
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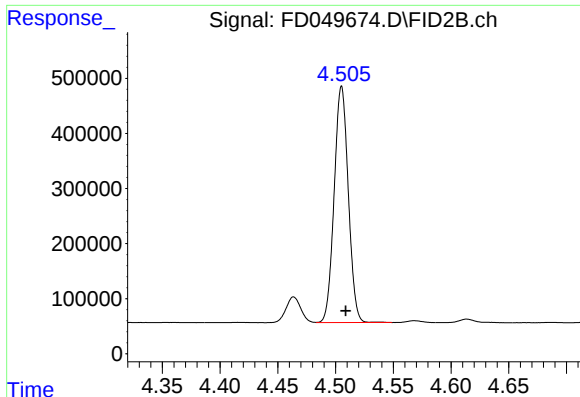
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.505 min
Delta R.T.: -0.004 min
Response: 3649049
Conc: 36.05 ug/ml

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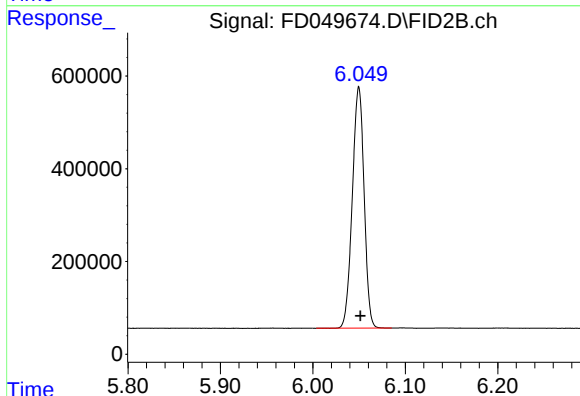
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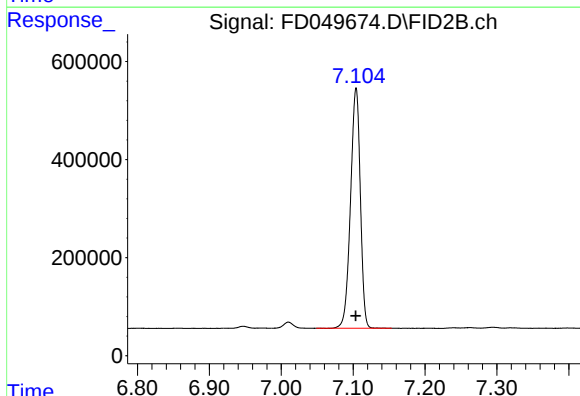
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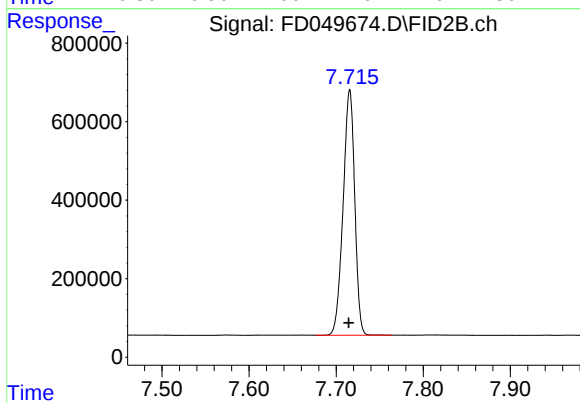
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.002 min
Response: 4607699
Conc: 40.19 ug/ml



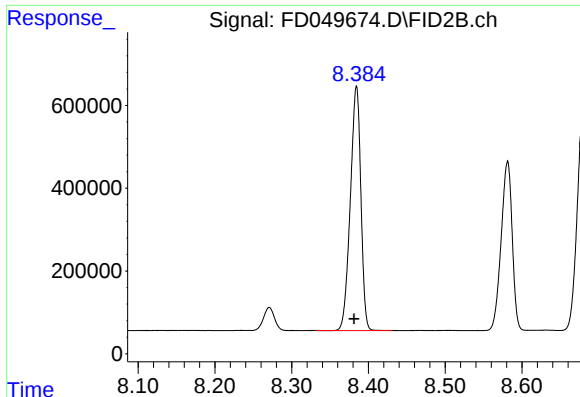
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 4628158
Conc: 38.80 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 5796429
Conc: 56.56 ug/ml



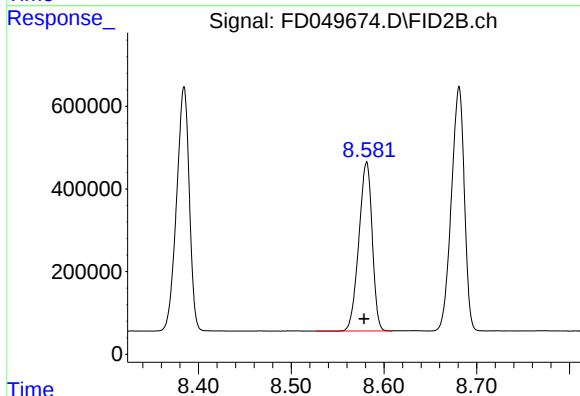
#5 Acenaphthylene (C15.06)

R.T.: 8.384 min
Delta R.T.: 0.003 min
Response: 5627697
Conc: 44.77 ug/ml

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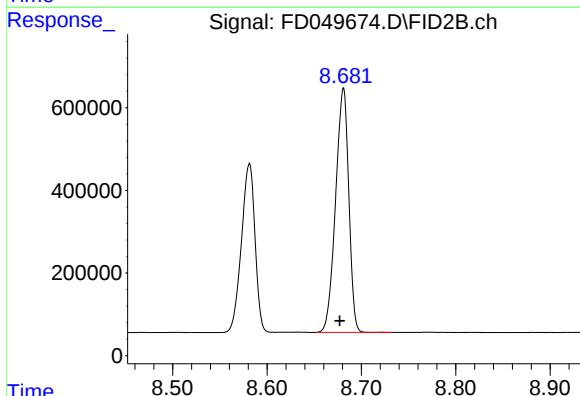
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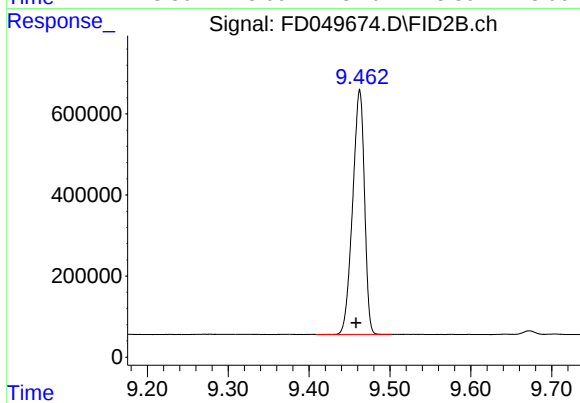
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: 0.003 min
Response: 4078752
Conc: 55.84 ug/ml



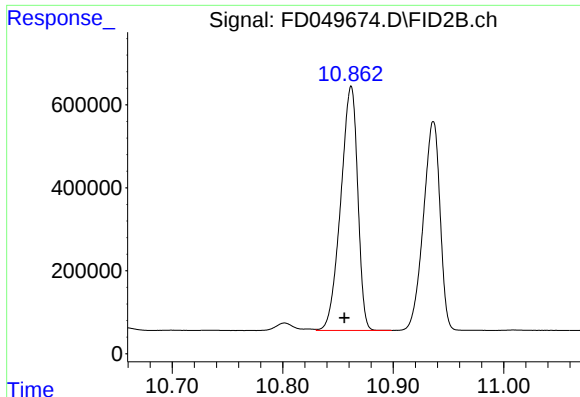
#7 Acenaphthene (C15.5)

R.T.: 8.681 min
Delta R.T.: 0.004 min
Response: 5751738
Conc: 45.74 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.463 min
Delta R.T.: 0.005 min
Response: 6140554
Conc: 48.50 ug/ml



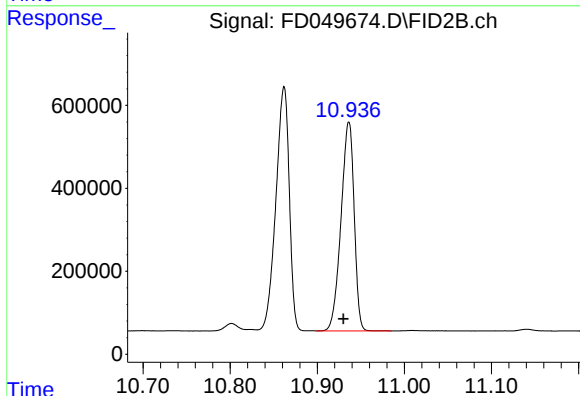
#9 Phenanthrene (C19.36)

R.T.: 10.862 min
Delta R.T.: 0.006 min
Response: 6297102
Conc: 48.75 ug/ml

Instrument :
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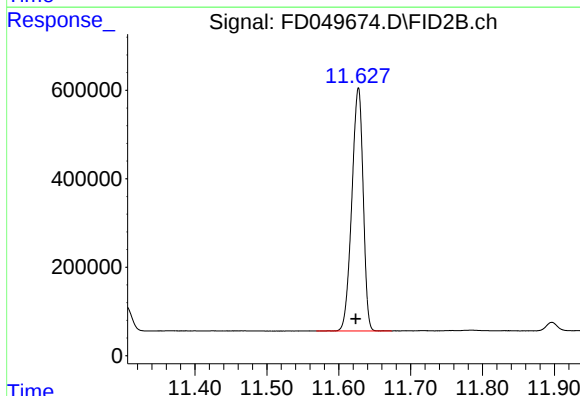
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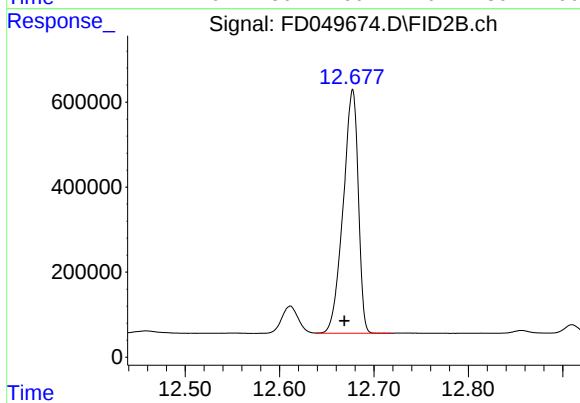
#10 Anthracene (C19.43)

R.T.: 10.936 min
Delta R.T.: 0.006 min
Response: 5286915
Conc: 42.92 ug/ml



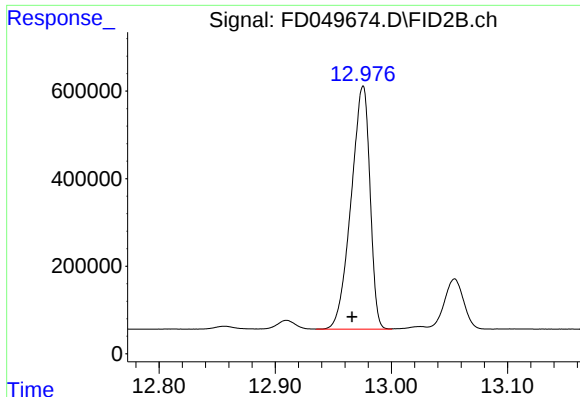
#11 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: 0.004 min
Response: 6000478
Conc: 46.23 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.677 min
Delta R.T.: 0.009 min
Response: 6389287
Conc: 49.91 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.976 min
Delta R.T.: 0.009 min
Response: 6267136
Conc: 49.36 ug/ml

Instrument :

FID_D

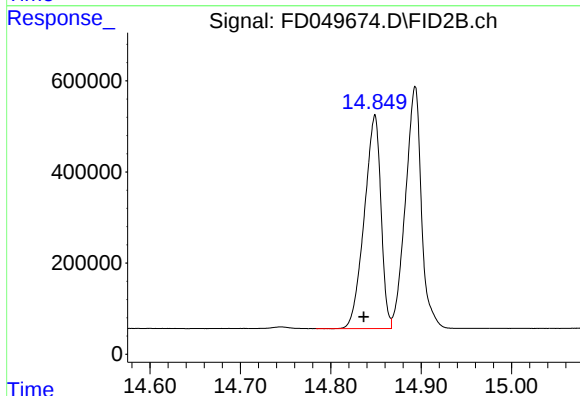
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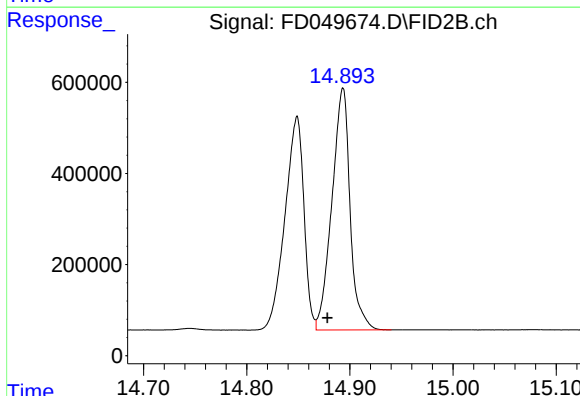
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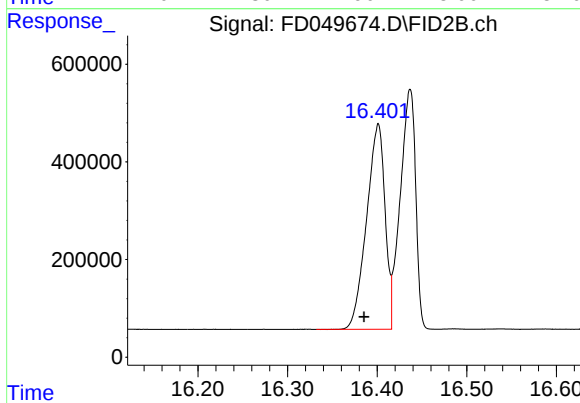
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.849 min
Delta R.T.: 0.012 min
Response: 5988903
Conc: 51.90 ug/ml



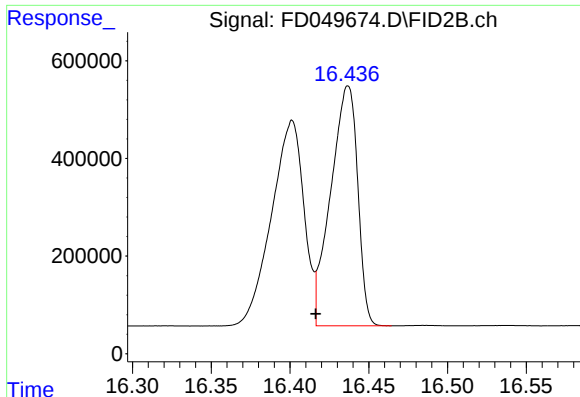
#15 Chrysene (C27.41)

R.T.: 14.893 min
Delta R.T.: 0.015 min
Response: 6504367
Conc: 55.55 ug/ml



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

R.T.: 16.401 min
Delta R.T.: 0.016 min
Response: 6026805
Conc: 52.99 ug/ml



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

R.T.: 16.436 min
Delta R.T.: 0.020 min
Response: 5781107
Conc: 54.01 ug/ml

Instrument :

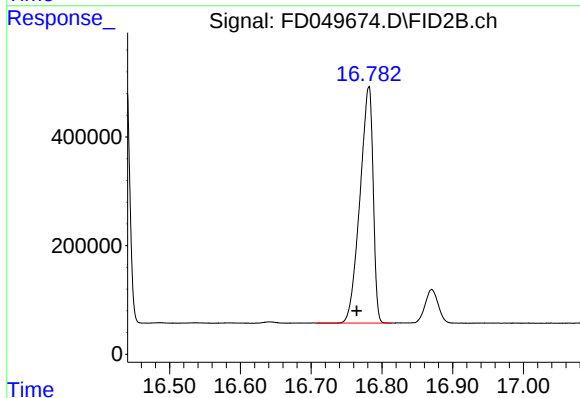
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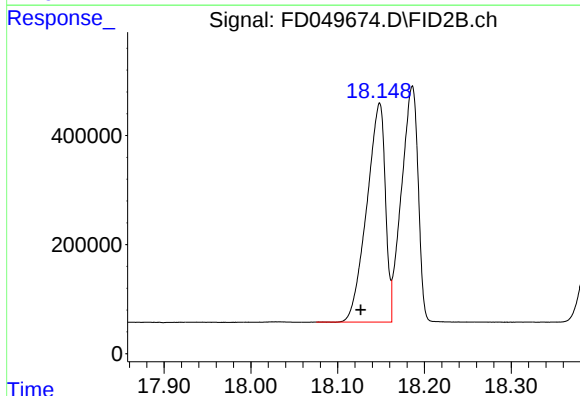
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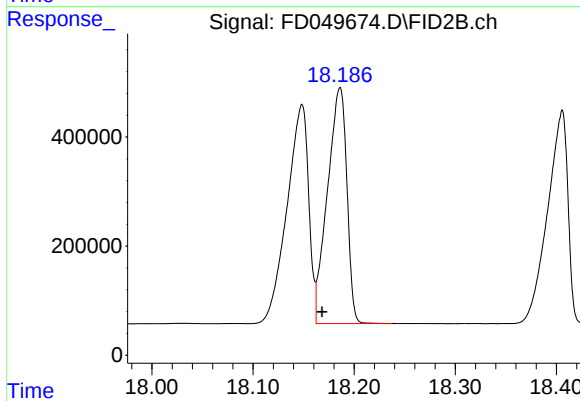
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.781 min
Delta R.T.: 0.017 min
Response: 5641055
Conc: 50.85 ug/ml



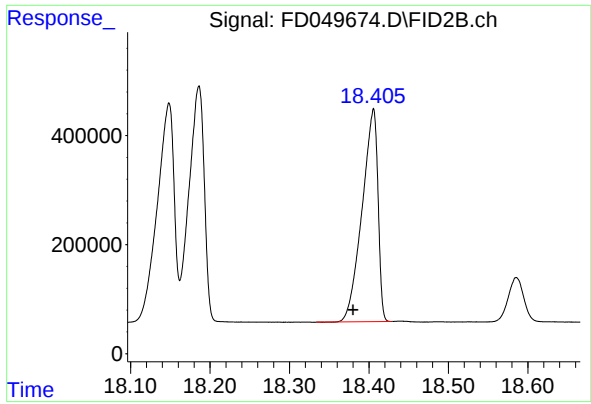
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.148 min
Delta R.T.: 0.022 min
Response: 5976357
Conc: 57.98 ug/ml



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

R.T.: 18.186 min
Delta R.T.: 0.018 min
Response: 5762236
Conc: 52.87 ug/ml



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

R.T.: 18.406 min
Delta R.T.: 0.026 min
Response: 5412645
Conc: 49.53 ug/ml

Instrument :

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