

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082825AR\
 Data File : FD049698.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 16:40
 Operator : YP/AJ
 Sample : Q2893-02
 Misc : 5PPM SOIL LOQ
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 02:28:41 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...	7.717	4924805	48.053 ug/ml
Spiked Amount 50.000		Recovery =	96.11%
6) S 2-Fluorobiphenyl (SURR)	8.582	3439494	47.087 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	94.17%
11) S ortho-Terphenyl (SURR)	11.627	5419117	41.751 ug/ml
Spiked Amount 50.000		Recovery =	83.50%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.508	338480	3.344 ug/ml
2) T Naphthalene (C11.7)	6.051	404616	3.529 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	398108	3.337 ug/ml
5) T Acenaphthylene (C15.06)	8.382	449221	3.573 ug/ml
7) T Acenaphthene (C15.5)	8.678	460527	3.663 ug/ml
8) T Flouorene (C16.55)	9.458	469145	3.705 ug/ml
9) T Phenanthrene (C19.36)	10.856	476003	3.685 ug/ml
10) T Anthracene (C19.43)	10.930	465871	3.782 ug/ml
12) T Fluoranthene (C21.85)	12.669	484249	3.783 ug/ml
13) T Pyrene (C20.8)	12.966	474339	3.736 ug/ml
14) T Benzo[a]anthracene (C...	14.838	442299	3.833 ug/mlm
15) T Chrysene (C27.41)	14.879	469879	4.013 ug/mlm
16) T benzo[b]fluoranthene ...	16.386	441828	3.885 ug/ml
17) T Bnezo[k]fluoranthene ...	16.418	445530	4.162 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.765	433523	3.908 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.128	442742	4.295 ug/ml
20) T Dibenz[a,h]anthracene...	18.169	428553	3.932 ug/ml
21) T Benzo[g,h,i]perylene ...	18.381	431191	3.946 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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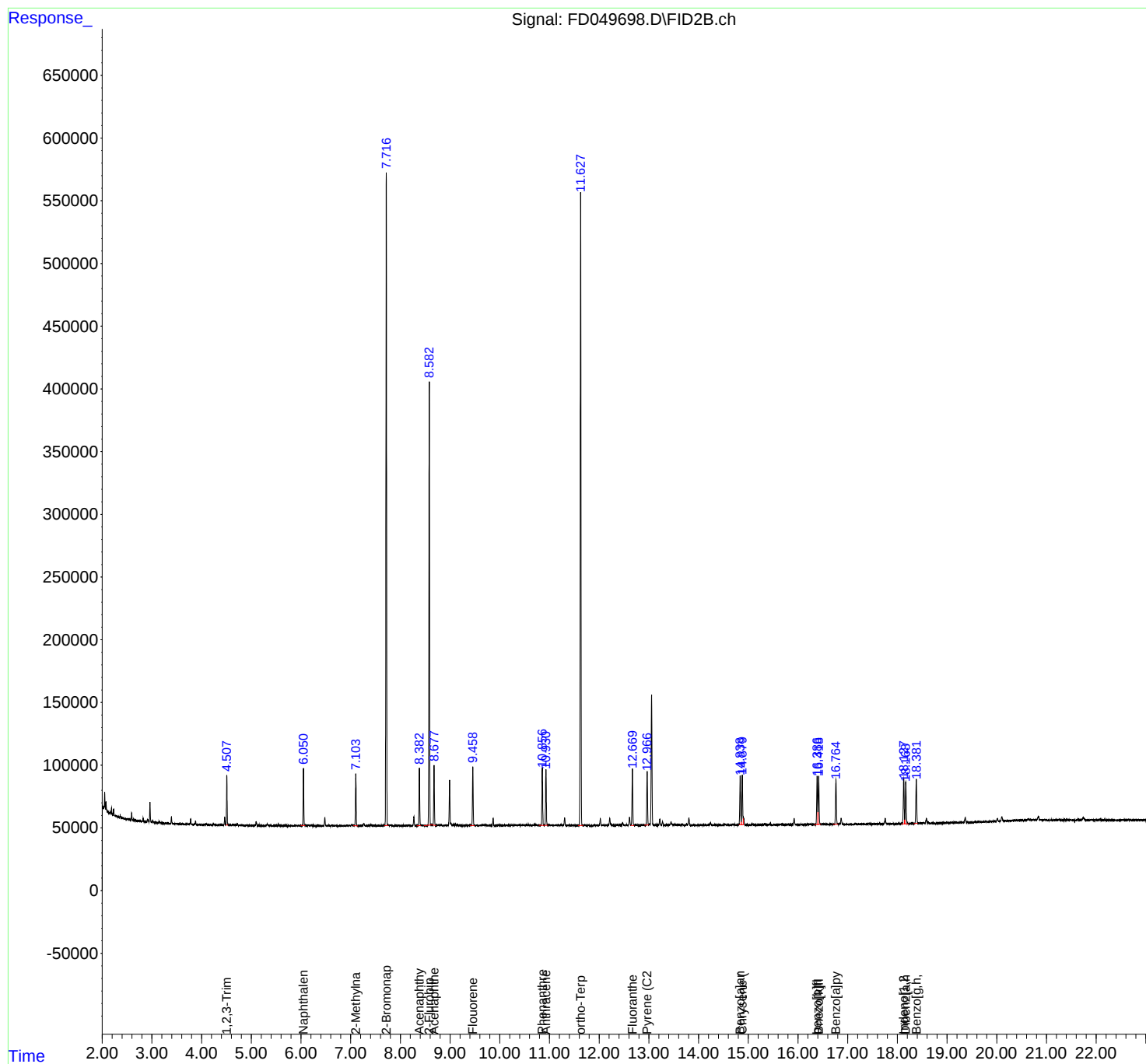
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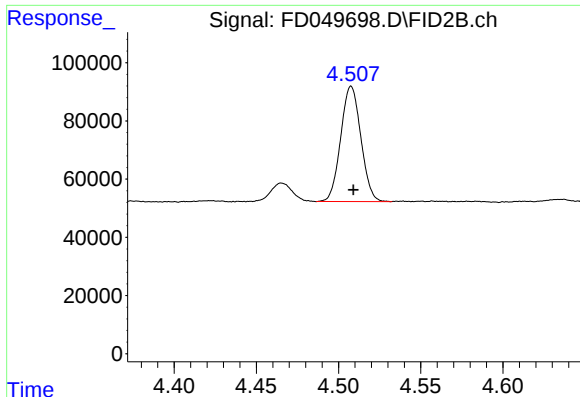
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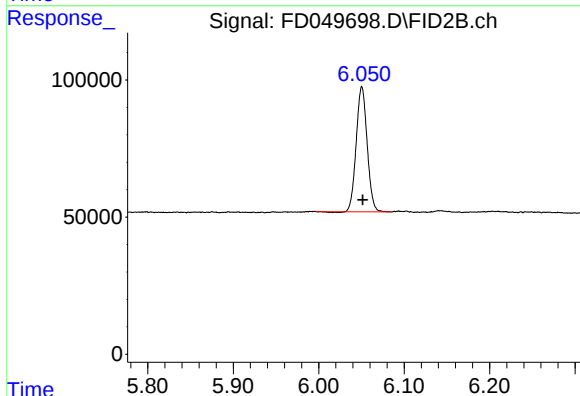
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.508 min
Delta R.T.: -0.001 min
Response: 338480
Conc: 3.34 ug/ml

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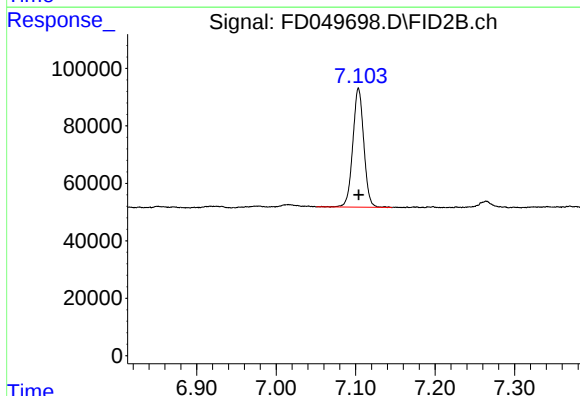
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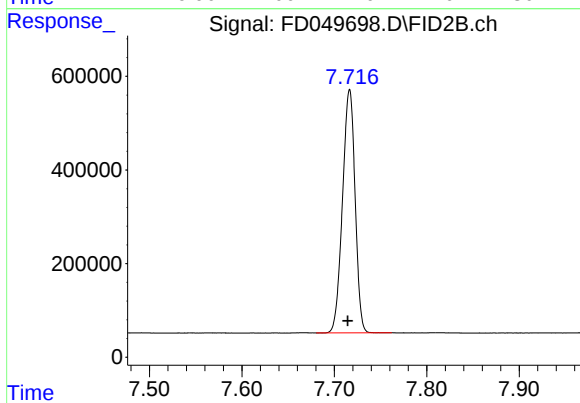
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 404616
Conc: 3.53 ug/ml



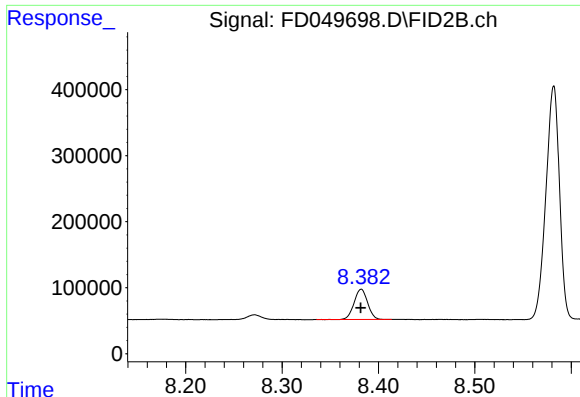
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 398108
Conc: 3.34 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.717 min
Delta R.T.: 0.002 min
Response: 4924805
Conc: 48.05 ug/ml



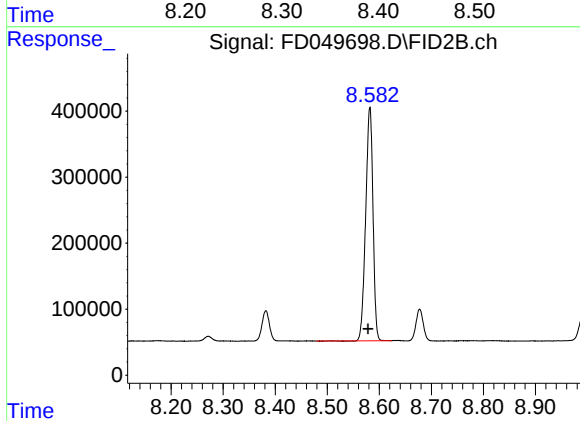
#5 Acenaphthylene (C15.06)

R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 449221
Conc: 3.57 ug/ml

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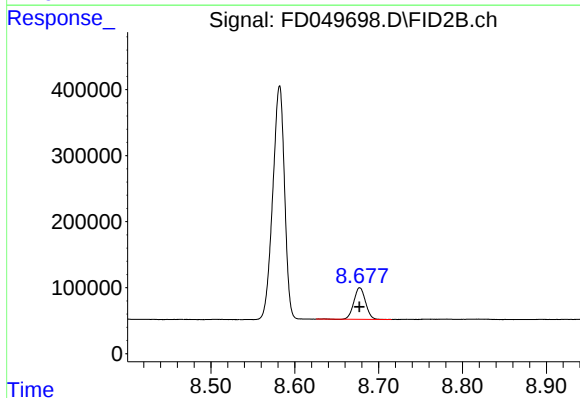
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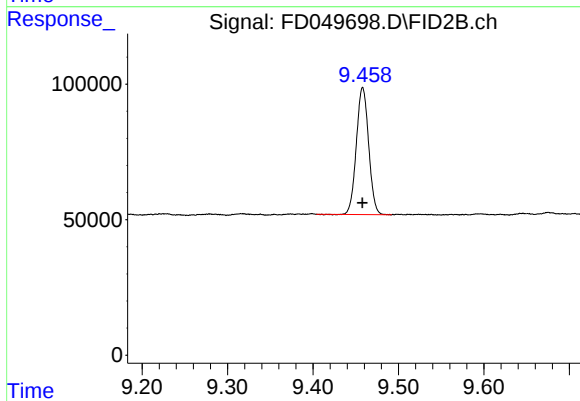
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.582 min
Delta R.T.: 0.003 min
Response: 3439494
Conc: 47.09 ug/ml



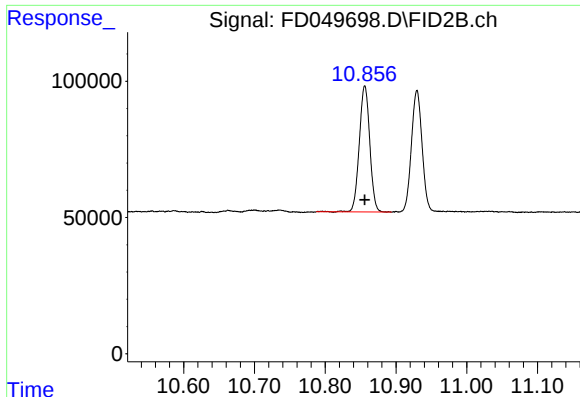
#7 Acenaphthene (C15.5)

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 460527
Conc: 3.66 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.458 min
Delta R.T.: 0.000 min
Response: 469145
Conc: 3.71 ug/ml



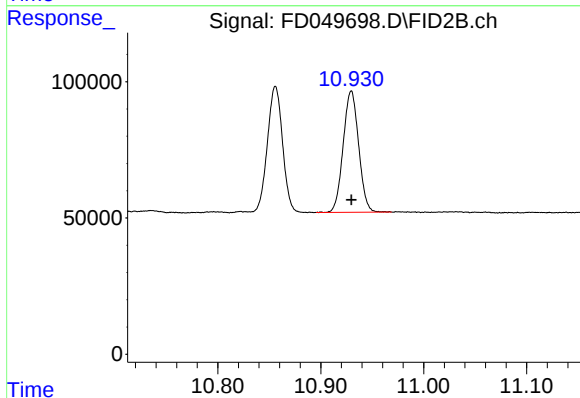
#9 Phenanthrene (C19.36)

R.T.: 10.856 min
Delta R.T.: 0.000 min
Response: 476003
Conc: 3.68 ug/ml

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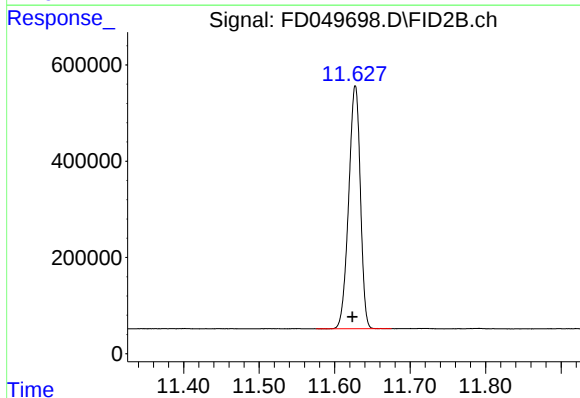
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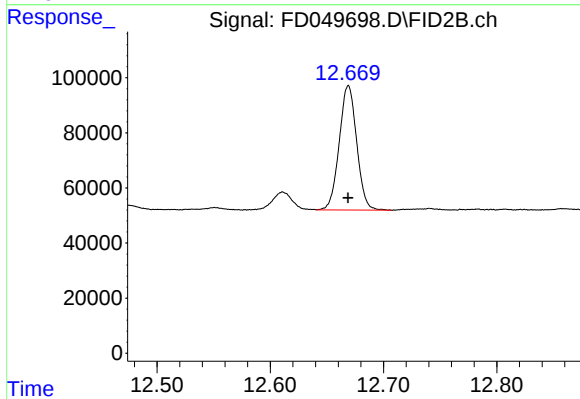
#10 Anthracene (C19.43)

R.T.: 10.930 min
Delta R.T.: 0.000 min
Response: 465871
Conc: 3.78 ug/ml



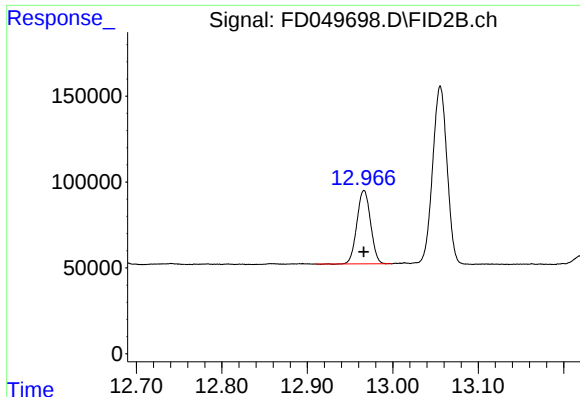
#11 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: 0.004 min
Response: 5419117
Conc: 41.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.669 min
Delta R.T.: 0.000 min
Response: 484249
Conc: 3.78 ug/ml



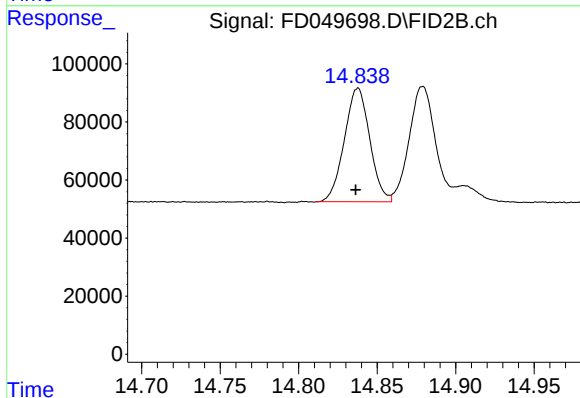
#13 Pyrene (C20.8)

R.T.: 12.966 min
Delta R.T.: 0.000 min
Response: 474339
Conc: 3.74 ug/ml

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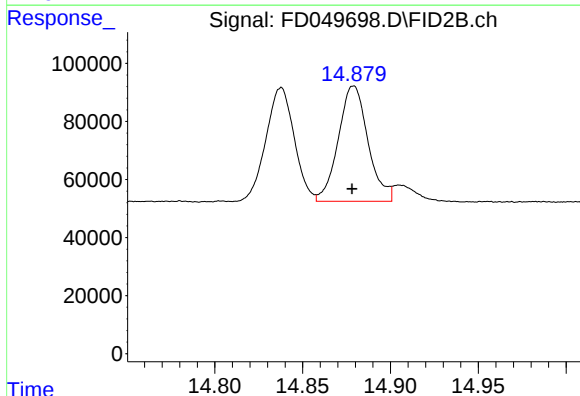
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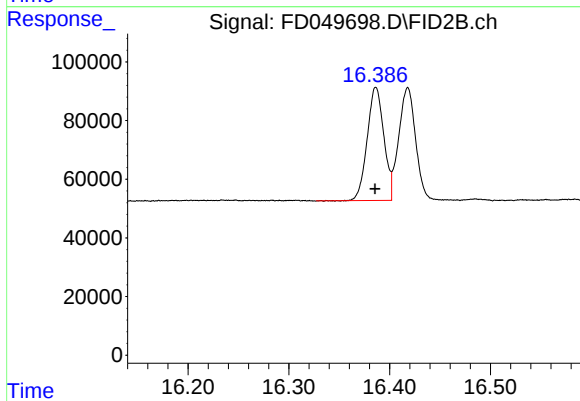
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.838 min
Delta R.T.: 0.001 min
Response: 442299
Conc: 3.83 ug/ml m



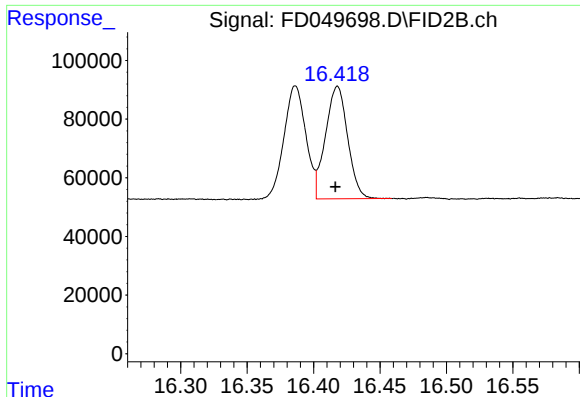
#15 Chrysene (C27.41)

R.T.: 14.879 min
Delta R.T.: 0.001 min
Response: 469879
Conc: 4.01 ug/ml m



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

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 441828
Conc: 3.88 ug/ml



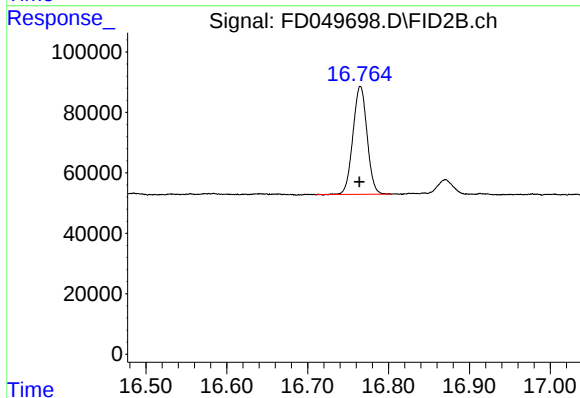
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.418 min
Delta R.T.: 0.002 min
Response: 445530
Conc: 4.16 ug/ml

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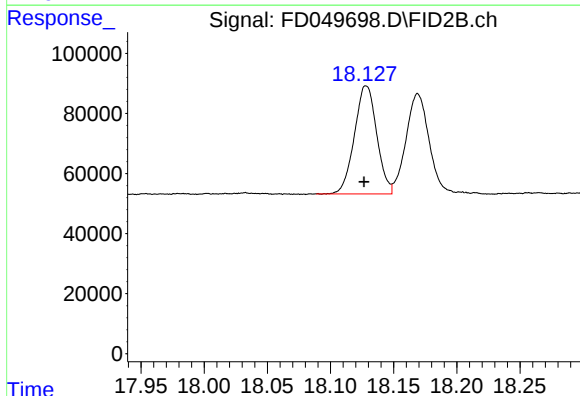
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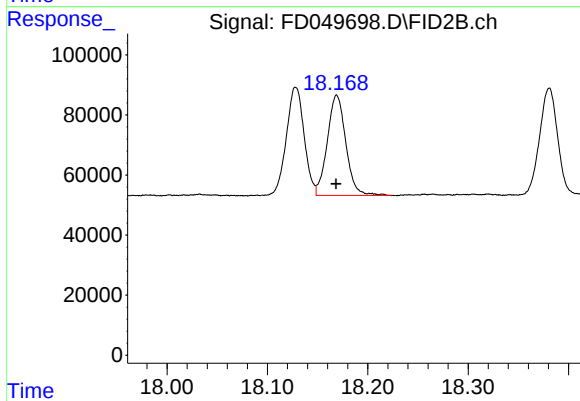
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.765 min
Delta R.T.: 0.001 min
Response: 433523
Conc: 3.91 ug/ml



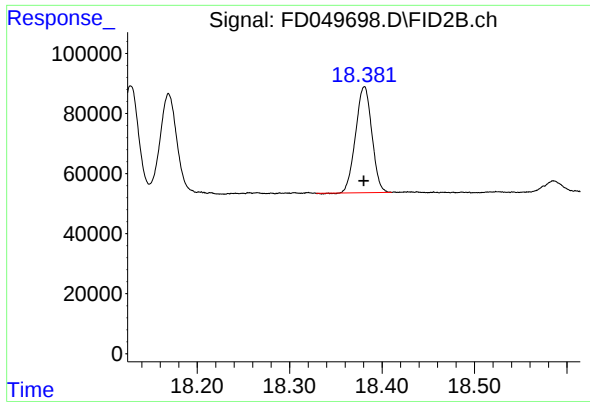
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.128 min
Delta R.T.: 0.002 min
Response: 442742
Conc: 4.30 ug/ml



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

R.T.: 18.169 min
Delta R.T.: 0.000 min
Response: 428553
Conc: 3.93 ug/ml



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

R.T.: 18.381 min
Delta R.T.: 0.000 min
Response: 431191
Conc: 3.95 ug/ml

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