

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082825AR\
 Data File : FD049694.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 13:45
 Operator : YP/AJ
 Sample : Q2893-08
 Misc : 5PPM WATER LOQ
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOQ-WATER-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 02:27:13 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...	7.715	5494806	53.615 ug/ml
Spiked Amount 50.000		Recovery =	107.23%
6) S 2-Fluorobiphenyl (SURR)	8.580	3587332	49.111 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	98.22%
11) S ortho-Terphenyl (SURR)	11.627	6454529	49.729 ug/ml
Spiked Amount 50.000		Recovery =	99.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.506	455914	4.504 ug/ml
2) T Naphthalene (C11.7)	6.049	553676	4.829 ug/ml
3) T 2-Methylnaphthalene (...)	7.101	542880	4.551 ug/ml
5) T Acenaphthylene (C15.06)	8.380	632603	5.032 ug/ml
7) T Acenaphthene (C15.5)	8.675	642528	5.110 ug/ml
8) T Flouorene (C16.55)	9.456	664679	5.250 ug/ml
9) T Phenanthrene (C19.36)	10.854	678406	5.252 ug/ml
10) T Anthracene (C19.43)	10.928	666231	5.408 ug/ml
12) T Fluoranthene (C21.85)	12.667	690788	5.396 ug/ml
13) T Pyrene (C20.8)	12.965	687276	5.413 ug/ml
14) T Benzo[a]anthracene (C...	14.835	639480	5.542 ug/mlm
15) T Chrysene (C27.41)	14.878	671730	5.737 ug/mlm
16) T benzo[b]fluoranthene ...	16.386	636390	5.595 ug/ml
17) T Bnezo[k]fluoranthene ...	16.417	642443	6.001 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.764	625380	5.637 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.127	621567	6.030 ug/ml
20) T Dibenz[a,h]anthracene...	18.168	583078	5.349 ug/ml
21) T Benzo[g,h,i]perylene ...	18.380	632598	5.789 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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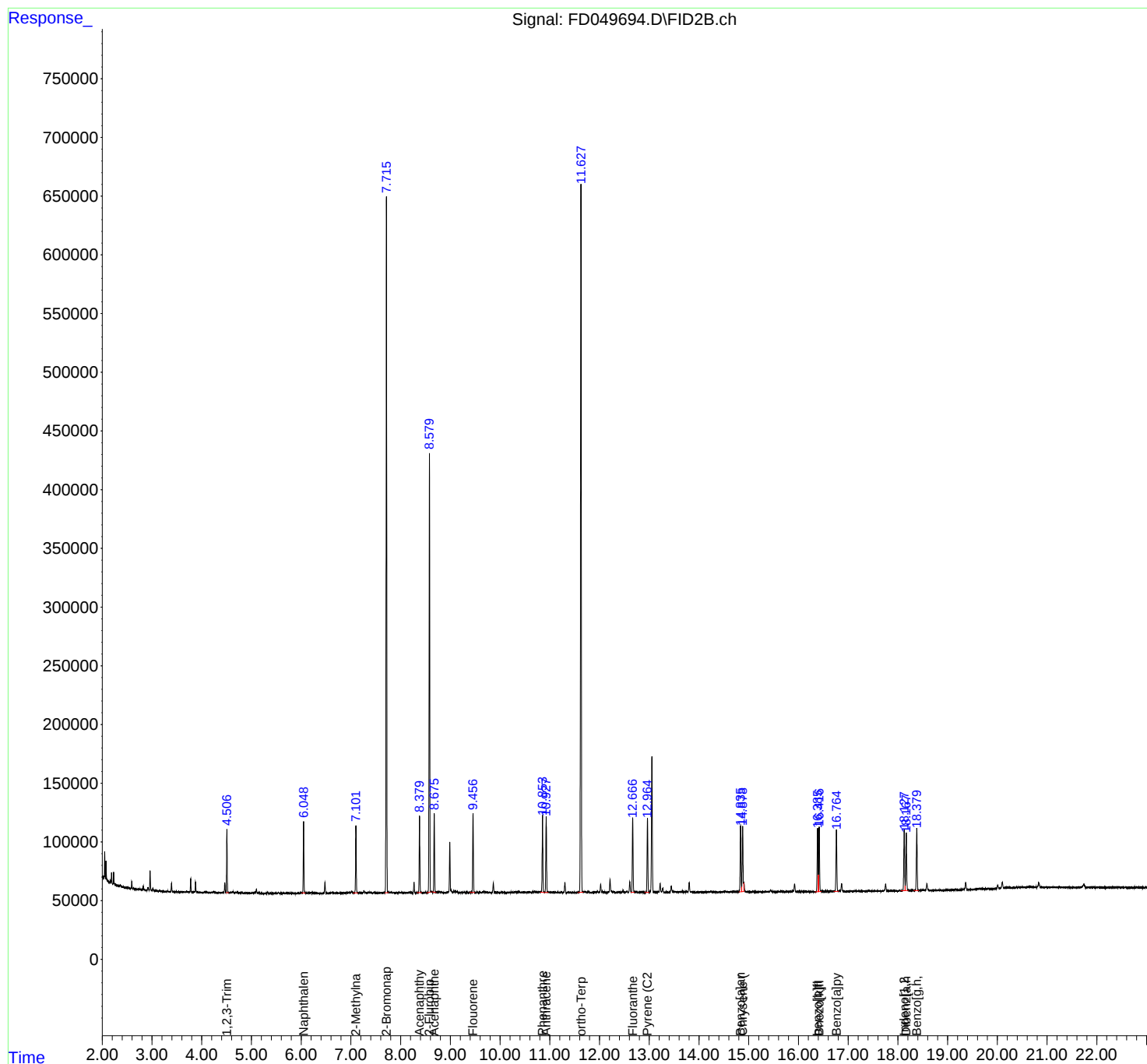
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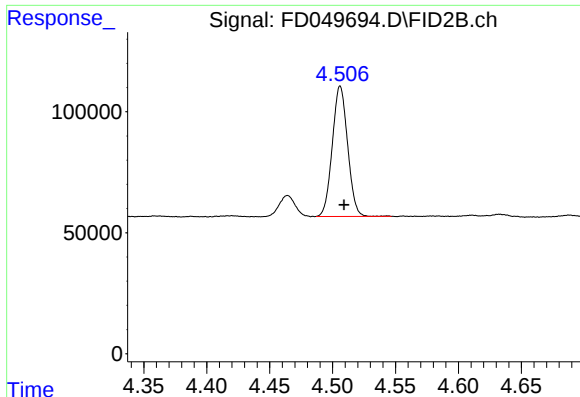
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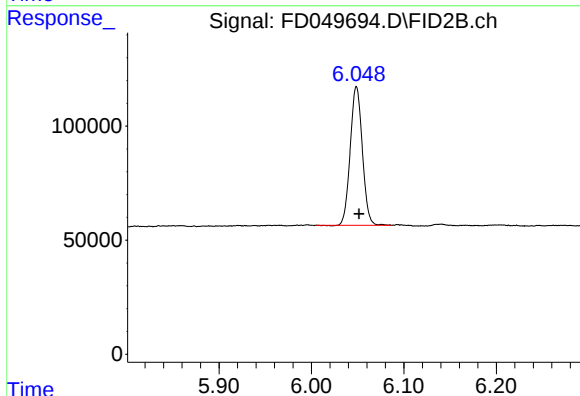
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.506 min
Delta R.T.: -0.003 min
Response: 455914
Conc: 4.50 ug/ml

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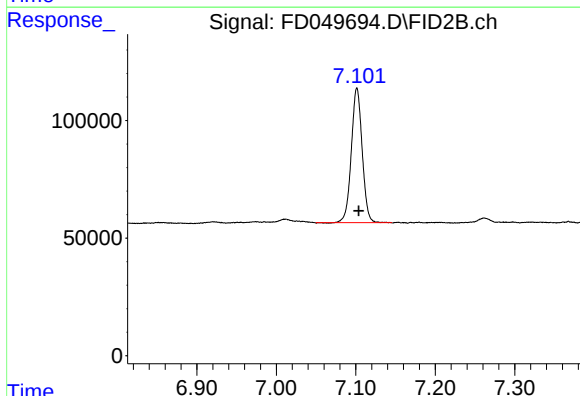
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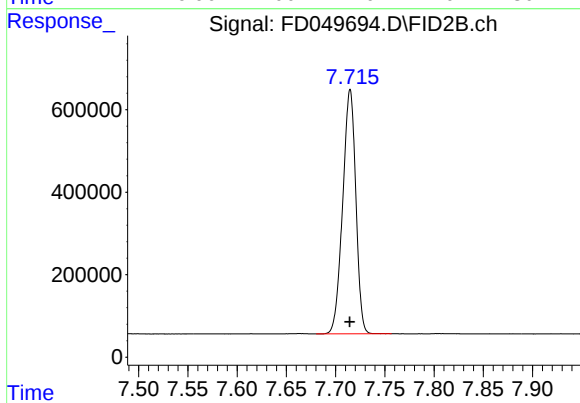
#2 Naphthalene (C11.7)

R.T.: 6.049 min
Delta R.T.: -0.003 min
Response: 553676
Conc: 4.83 ug/ml



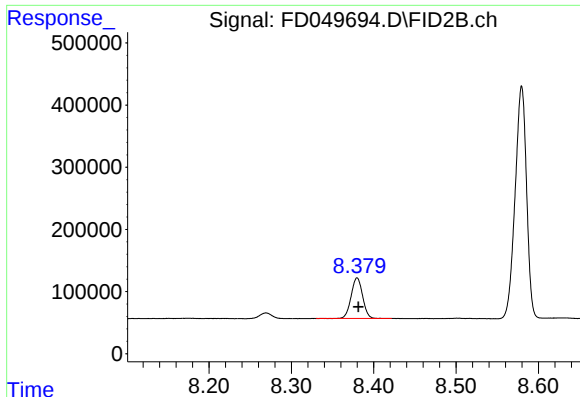
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.101 min
Delta R.T.: -0.002 min
Response: 542880
Conc: 4.55 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 5494806
Conc: 53.61 ug/ml



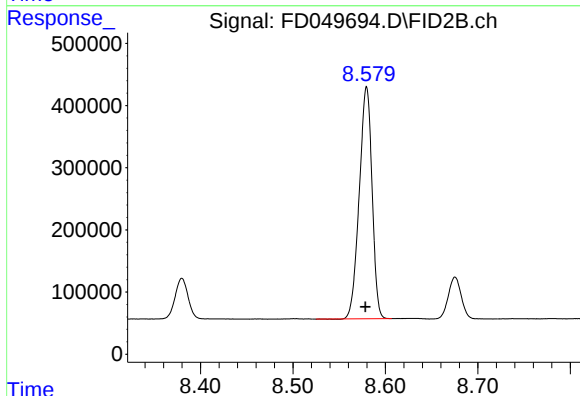
#5 Acenaphthylene (C15.06)

R.T.: 8.380 min
Delta R.T.: -0.002 min
Response: 632603
Conc: 5.03 ug/ml

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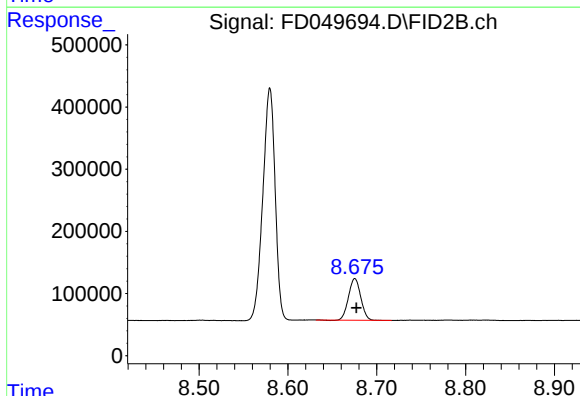
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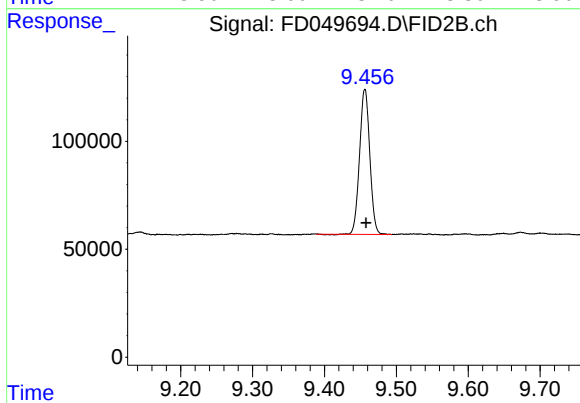
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.580 min
Delta R.T.: 0.001 min
Response: 3587332
Conc: 49.11 ug/ml



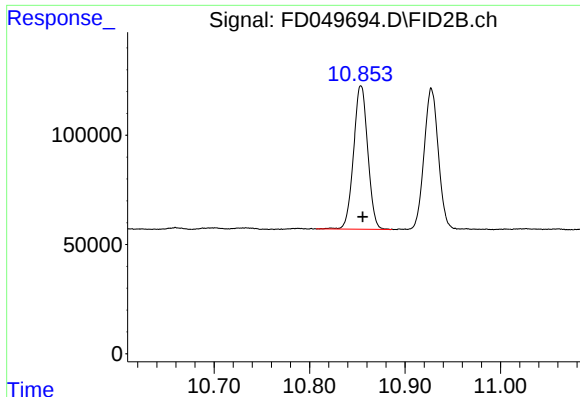
#7 Acenaphthene (C15.5)

R.T.: 8.675 min
Delta R.T.: -0.002 min
Response: 642528
Conc: 5.11 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.456 min
Delta R.T.: -0.002 min
Response: 664679
Conc: 5.25 ug/ml



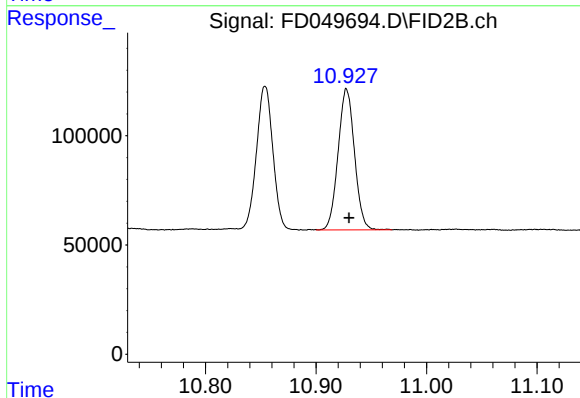
#9 Phenanthrene (C19.36)

R.T.: 10.854 min
Delta R.T.: -0.002 min
Response: 678406
Conc: 5.25 ug/ml

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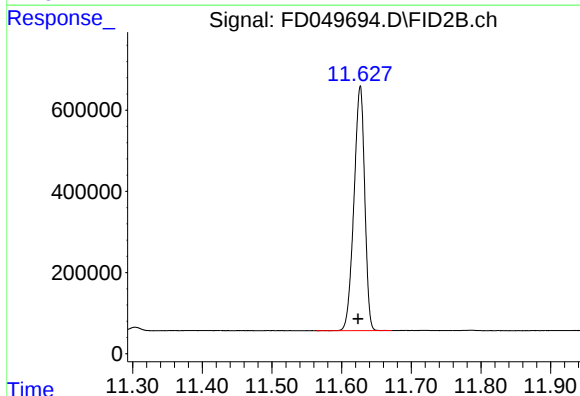
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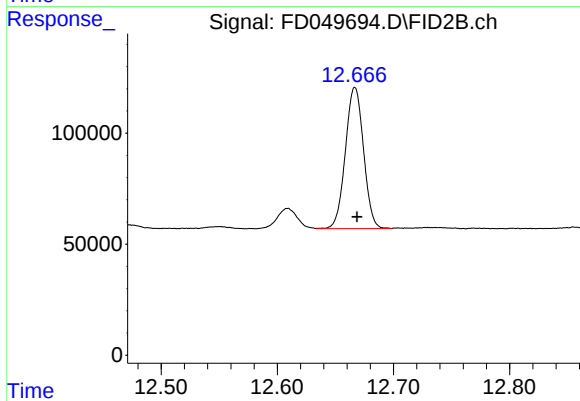
#10 Anthracene (C19.43)

R.T.: 10.928 min
Delta R.T.: -0.002 min
Response: 666231
Conc: 5.41 ug/ml



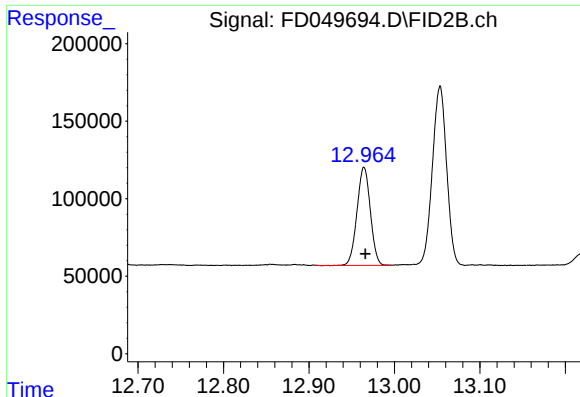
#11 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: 0.003 min
Response: 6454529
Conc: 49.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.667 min
Delta R.T.: -0.002 min
Response: 690788
Conc: 5.40 ug/ml



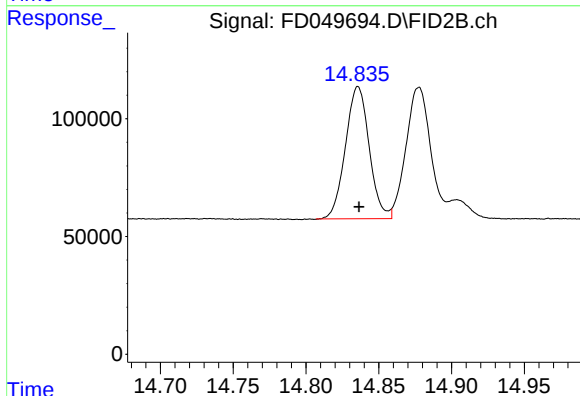
#13 Pyrene (C20.8)

R.T.: 12.965 min
Delta R.T.: -0.002 min
Response: 687276
Conc: 5.41 ug/ml

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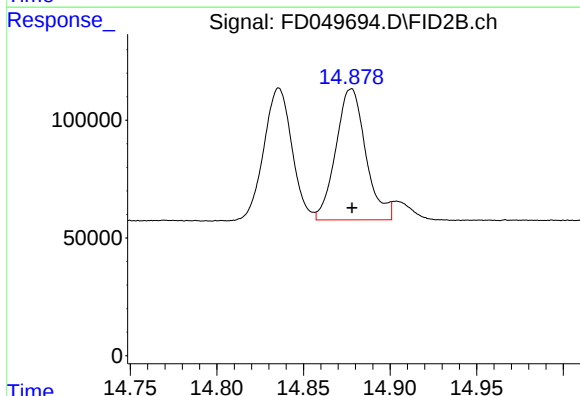
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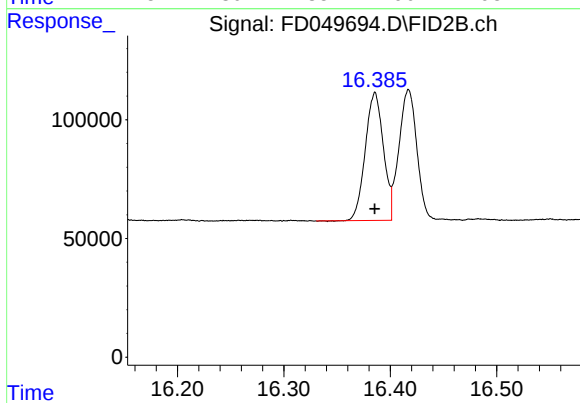
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.835 min
Delta R.T.: -0.001 min
Response: 639480
Conc: 5.54 ug/ml m



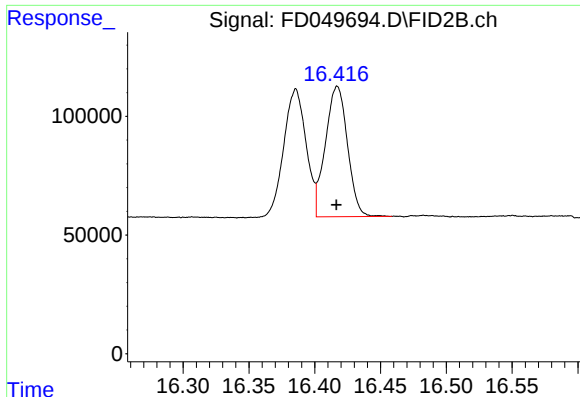
#15 Chrysene (C27.41)

R.T.: 14.878 min
Delta R.T.: 0.000 min
Response: 671730
Conc: 5.74 ug/ml m



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

R.T.: 16.386 min
Delta R.T.: 0.000 min
Response: 636390
Conc: 5.60 ug/ml



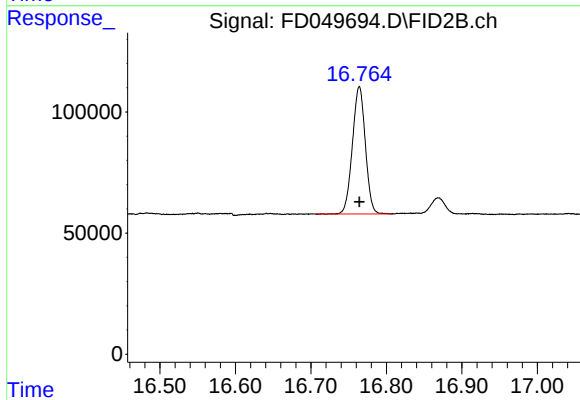
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.417 min
Delta R.T.: 0.000 min
Response: 642443
Conc: 6.00 ug/ml

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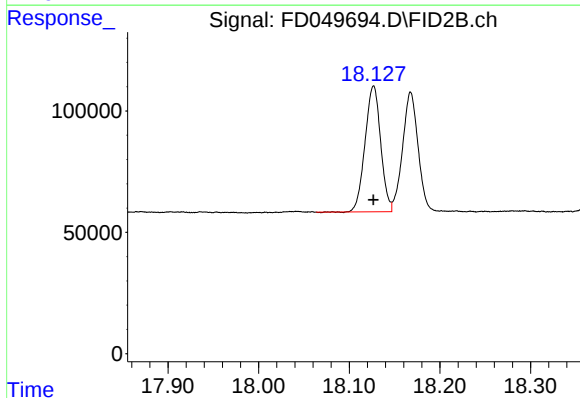
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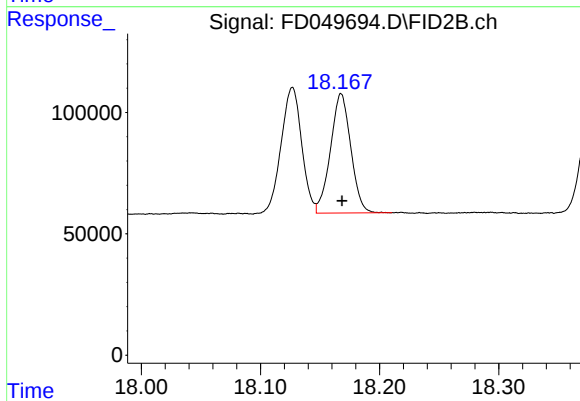
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.000 min
Response: 625380
Conc: 5.64 ug/ml



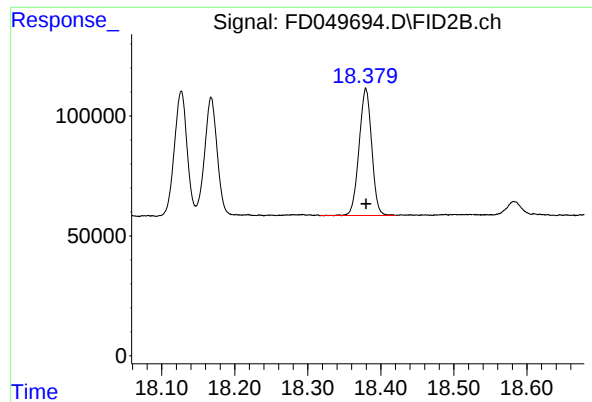
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.127 min
Delta R.T.: 0.000 min
Response: 621567
Conc: 6.03 ug/ml



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

R.T.: 18.168 min
Delta R.T.: 0.000 min
Response: 583078
Conc: 5.35 ug/ml



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

R.T.: 18.380 min
Delta R.T.: 0.000 min
Response: 632598
Conc: 5.79 ug/ml

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