

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082825AR\
 Data File : FD049697.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 15:55
 Operator : YP/AJ
 Sample : Q2893-01
 Misc : 4PPM SOIL LOD
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-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 02:28:16 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	5704603	55.662 ug/ml
Spiked Amount 50.000		Recovery =	111.32%
6) S 2-Fluorobiphenyl (SURR)	8.579	3754170	51.395 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	102.79%
11) S ortho-Terphenyl (SURR)	11.627	6368936	49.069 ug/ml
Spiked Amount 50.000		Recovery =	98.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.506	379752	3.752 ug/ml
2) T Naphthalene (C11.7)	6.048	458261	3.997 ug/ml
3) T 2-Methylnaphthalene (...)	7.101	457166	3.832 ug/ml
5) T Acenaphthylene (C15.06)	8.380	516864	4.111 ug/ml
7) T Acenaphthene (C15.5)	8.675	523267	4.162 ug/ml
8) T Flouorene (C16.55)	9.456	556529	4.396 ug/ml
9) T Phenanthrene (C19.36)	10.854	552269	4.275 ug/ml
10) T Anthracene (C19.43)	10.929	545674	4.429 ug/ml
12) T Fluoranthene (C21.85)	12.667	564984	4.413 ug/ml
13) T Pyrene (C20.8)	12.965	559068	4.403 ug/ml
14) T Benzo[a]anthracene (C...	14.834	516809	4.479 ug/mlm
15) T Chrysene (C27.41)	14.876	535468	4.573 ug/mlm
16) T benzo[b]fluoranthene ...	16.385	516218	4.539 ug/ml
17) T Bnezo[k]fluoranthene ...	16.416	517329	4.833 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.764	502484	4.529 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	496985	4.821 ug/ml
20) T Dibenz[a,h]anthracene...	18.168	469423	4.307 ug/ml
21) T Benzo[g,h,i]perylene ...	18.379	498744	4.564 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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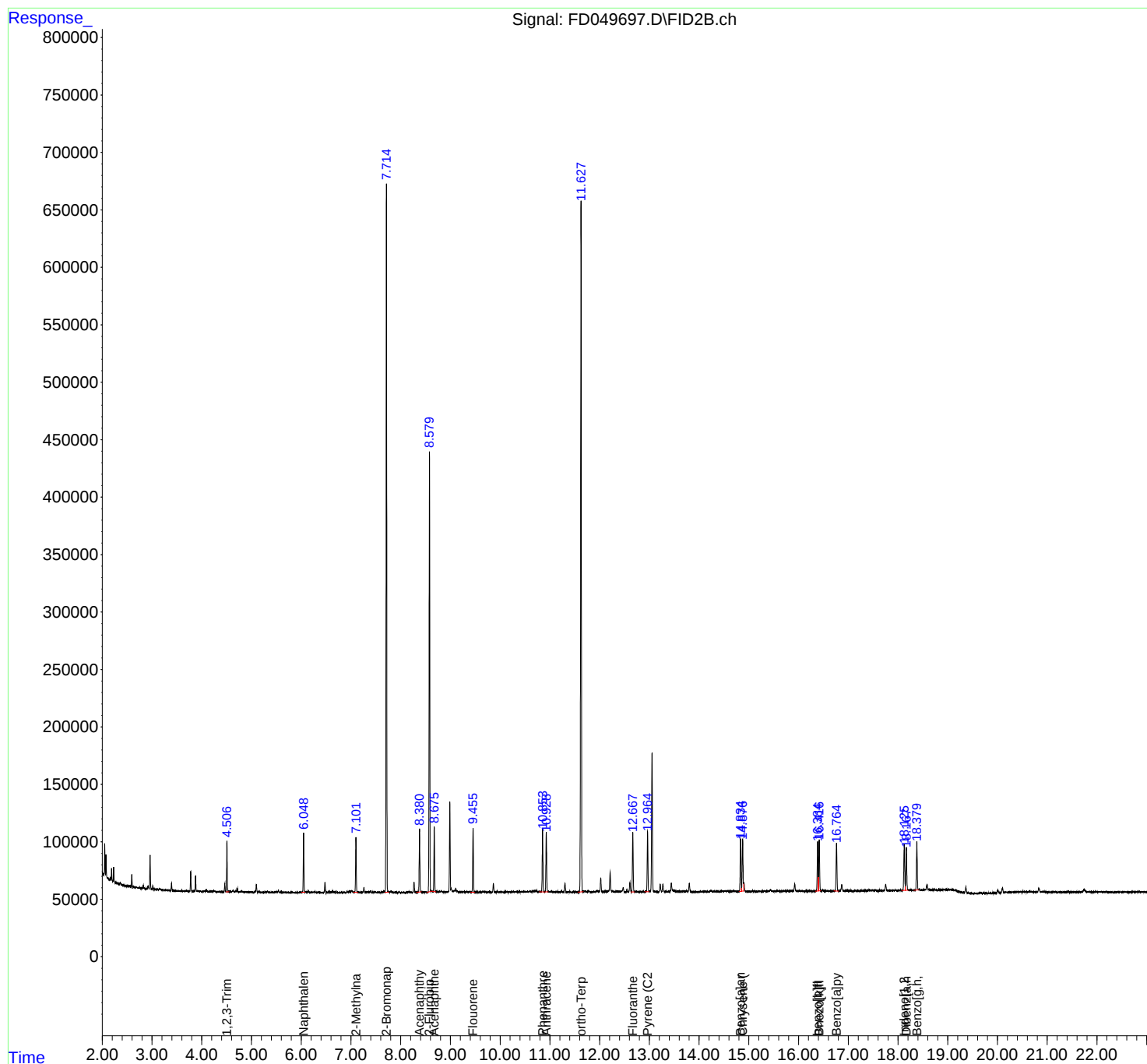
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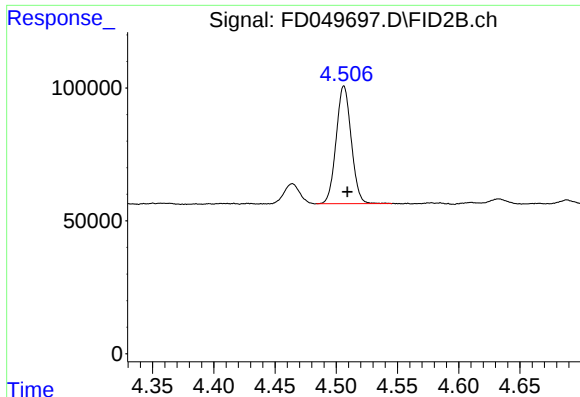
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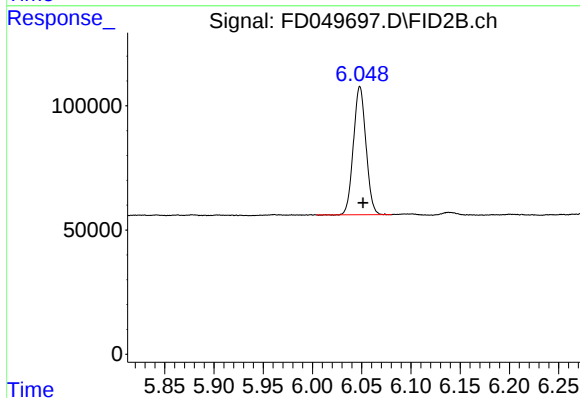
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.506 min
Delta R.T.: -0.003 min
Response: 379752
Conc: 3.75 ug/ml

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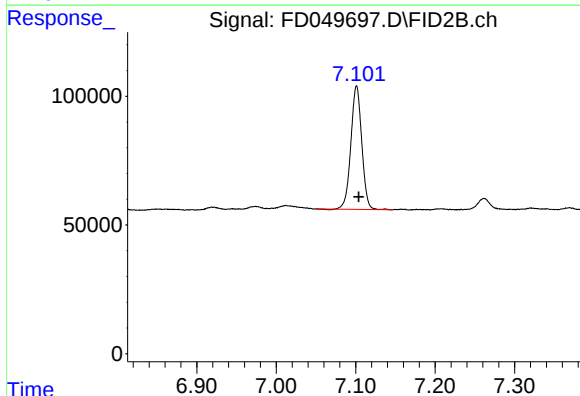
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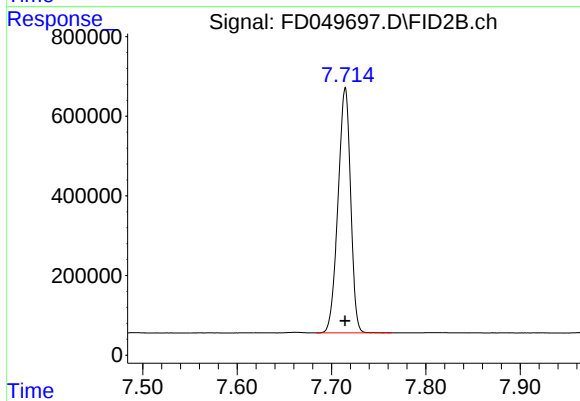
#2 Naphthalene (C11.7)

R.T.: 6.048 min
Delta R.T.: -0.003 min
Response: 458261
Conc: 4.00 ug/ml



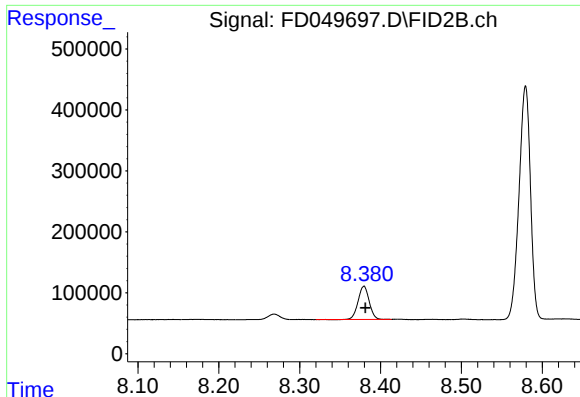
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.101 min
Delta R.T.: -0.003 min
Response: 457166
Conc: 3.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.715 min
Delta R.T.: 0.000 min
Response: 5704603
Conc: 55.66 ug/ml



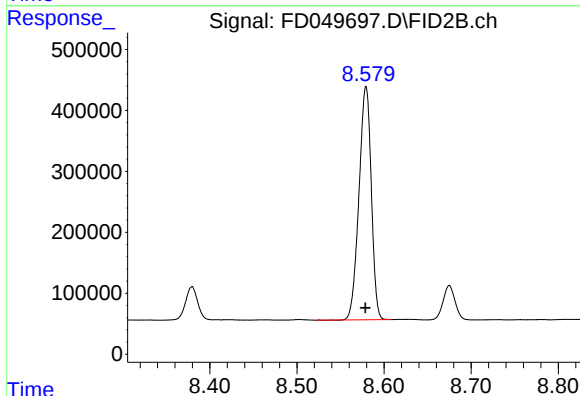
#5 Acenaphthylene (C15.06)

R.T.: 8.380 min
Delta R.T.: -0.002 min
Response: 516864
Conc: 4.11 ug/ml

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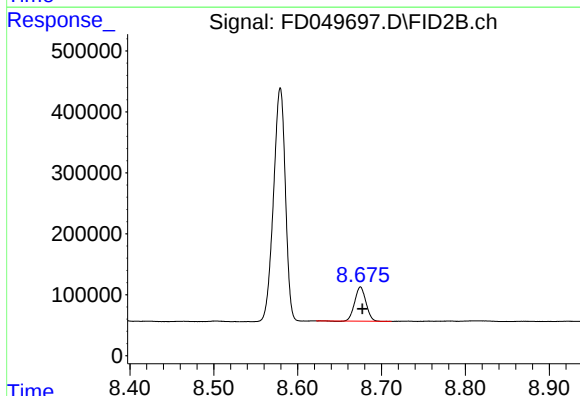
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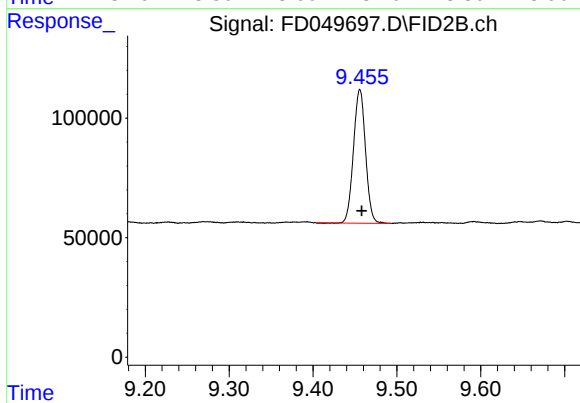
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.000 min
Response: 3754170
Conc: 51.39 ug/ml



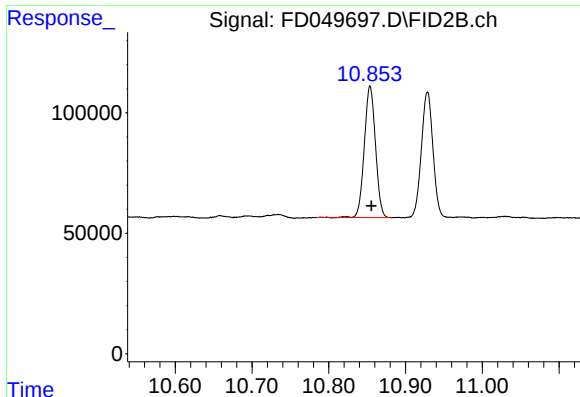
#7 Acenaphthene (C15.5)

R.T.: 8.675 min
Delta R.T.: -0.002 min
Response: 523267
Conc: 4.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.456 min
Delta R.T.: -0.002 min
Response: 556529
Conc: 4.40 ug/ml



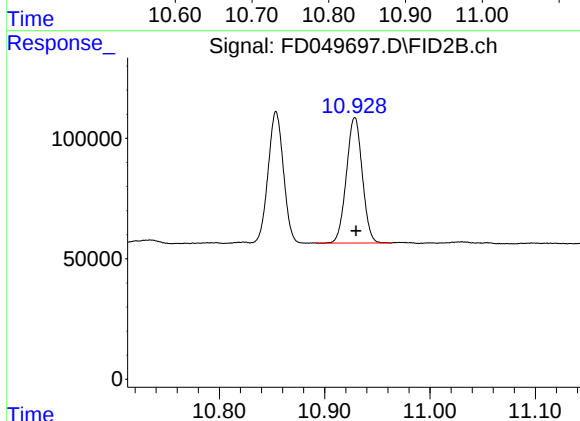
#9 Phenanthrene (C19.36)

R.T.: 10.854 min
Delta R.T.: -0.002 min
Response: 552269
Conc: 4.28 ug/ml

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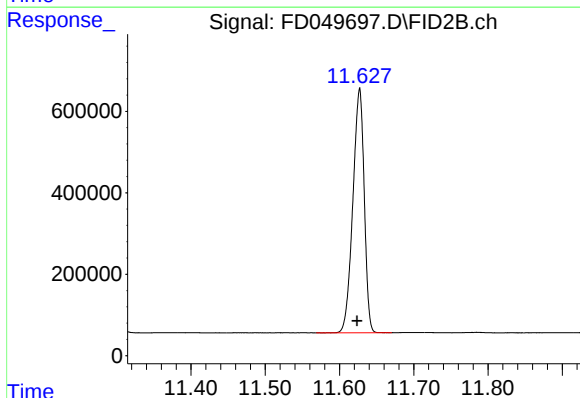
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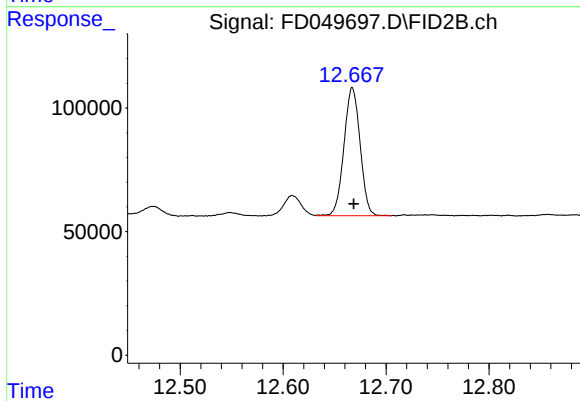
#10 Anthracene (C19.43)

R.T.: 10.929 min
Delta R.T.: -0.001 min
Response: 545674
Conc: 4.43 ug/ml



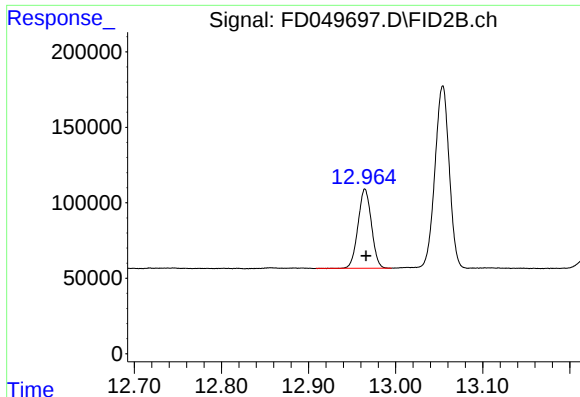
#11 ortho-Terphenyl (SURR)

R.T.: 11.627 min
Delta R.T.: 0.004 min
Response: 6368936
Conc: 49.07 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.667 min
Delta R.T.: -0.001 min
Response: 564984
Conc: 4.41 ug/ml



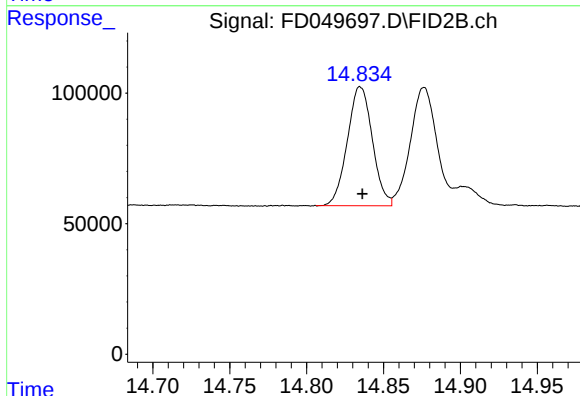
#13 Pyrene (C20.8)

R.T.: 12.965 min
Delta R.T.: -0.001 min
Response: 559068
Conc: 4.40 ug/ml

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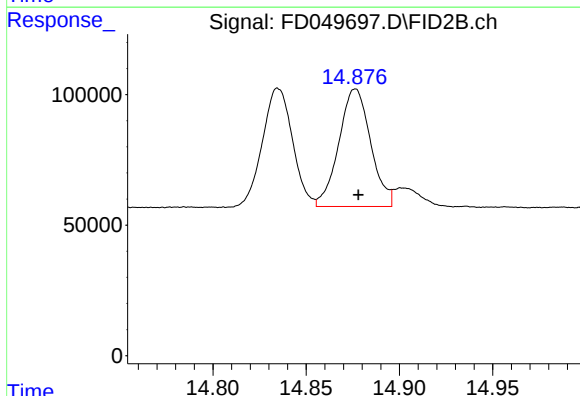
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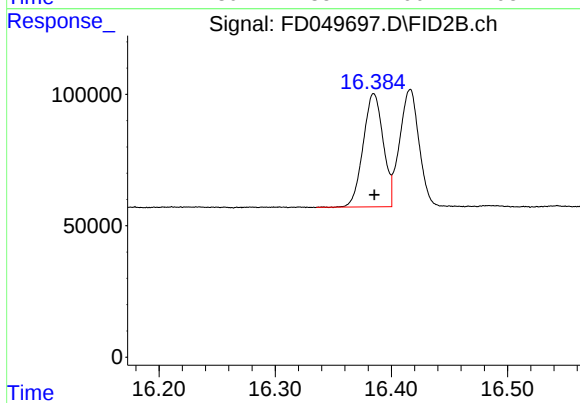
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.834 min
Delta R.T.: -0.002 min
Response: 516809
Conc: 4.48 ug/ml m



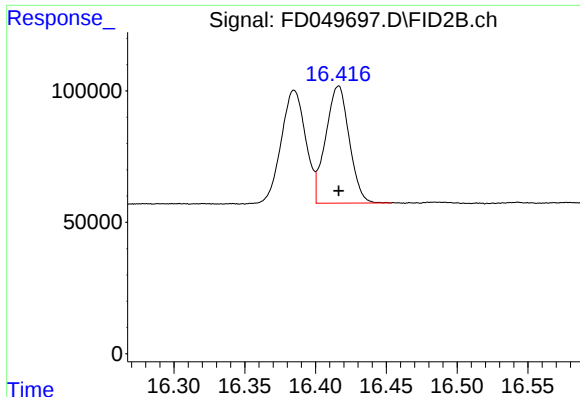
#15 Chrysene (C27.41)

R.T.: 14.876 min
Delta R.T.: -0.002 min
Response: 535468
Conc: 4.57 ug/ml m



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

R.T.: 16.385 min
Delta R.T.: 0.000 min
Response: 516218
Conc: 4.54 ug/ml



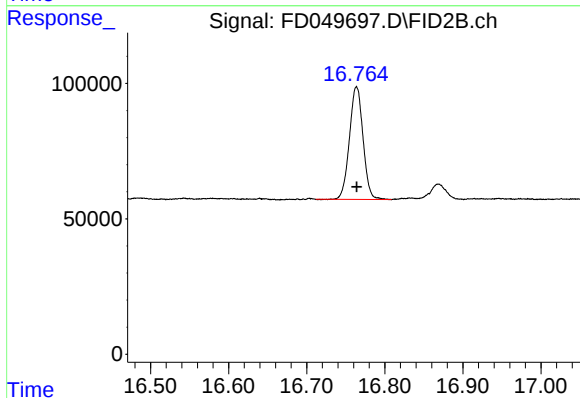
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.416 min
Delta R.T.: 0.000 min
Response: 517329
Conc: 4.83 ug/ml

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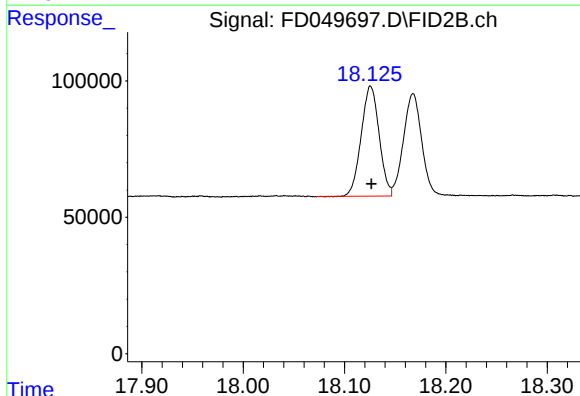
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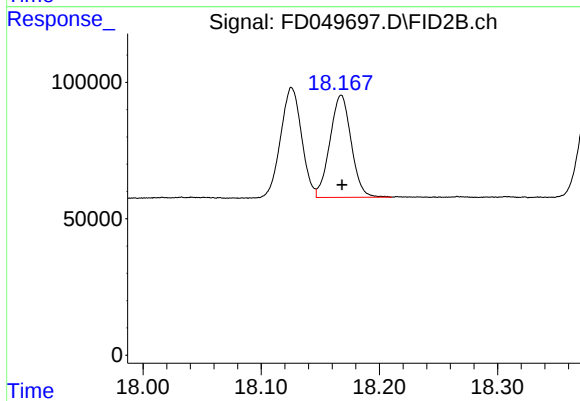
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.764 min
Delta R.T.: 0.000 min
Response: 502484
Conc: 4.53 ug/ml



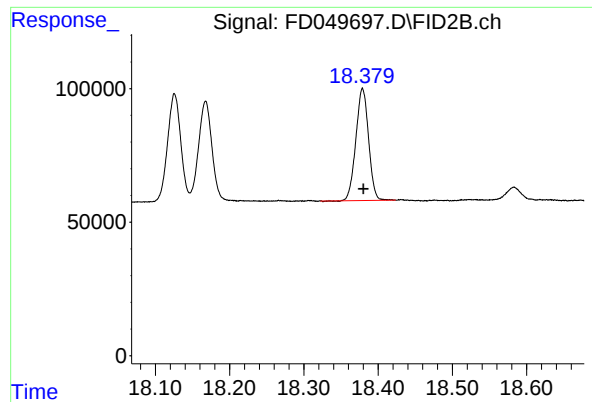
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 496985
Conc: 4.82 ug/ml



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

R.T.: 18.168 min
Delta R.T.: 0.000 min
Response: 469423
Conc: 4.31 ug/ml



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

R.T.: 18.379 min
Delta R.T.: 0.000 min
Response: 498744
Conc: 4.56 ug/ml

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