

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120525AR\
 Data File : FF016849.D
 Signal(s) : FID2B.ch
 Acq On : 05 Dec 2025 14:22
 Operator : YP\AJ
 Sample : Q3530-08
 Misc : LOD-LOQ-WATER-0.5 ML-QT4-2025
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/08/2025
 Supervised By :Yogesh Patel 12/08/2025

Integration File: autoint1.e
 Quant Time: Dec 08 00:56:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 112625.M
 Quant Title : GC Extractables
 QLast Update : Mon Dec 01 08:18:58 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...	8.001	6046300	52.731 ug/ml
Spiked Amount 50.000		Recovery =	105.46%
6) S 2-Fluorobiphenyl (SURR)	8.876	3748999	52.890 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	105.78%
11) S ortho-Terphenyl (SURR)	11.942	6275223	42.643 ug/ml
Spiked Amount 50.000		Recovery =	85.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.595	554047	4.032 ug/ml
2) T Naphthalene (C11.7)	6.276	557297	4.098 ug/ml
3) T 2-Methylnaphthalene (...)	7.377	491702	3.633 ug/ml
5) T Acenaphthylene (C15.06)	8.676	630482	4.609 ug/ml
7) T Acenaphthene (C15.5)	8.973	866003	6.034 ug/ml
8) T Flouorene (C16.55)	9.771	563343	4.244 ug/ml
9) T Phenanthrene (C19.36)	11.177	529329	4.076 ug/ml
10) T Anthracene (C19.43)	11.256	574626	4.516 ug/ml
12) T Fluoranthene (C21.85)	13.000	583305	4.444 ug/ml
13) T Pyrene (C20.8)	13.297	582765	4.425 ug/ml
14) T Benzo[a]anthracene (C...	15.191	365369	3.394 ug/ml
15) T Chrysene (C27.41)	15.231	898434	6.494 ug/ml
16) T benzo[b]fluoranthene ...	16.752	433011	3.666 ug/ml
17) T Bnezo[k]fluoranthene ...	16.783	858200	6.659 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.144	475731	3.955 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.531	263914	2.669 ug/ml
20) T Dibenz[a,h]anthracene...	18.578	432834	2.741 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.770	425672	3.351 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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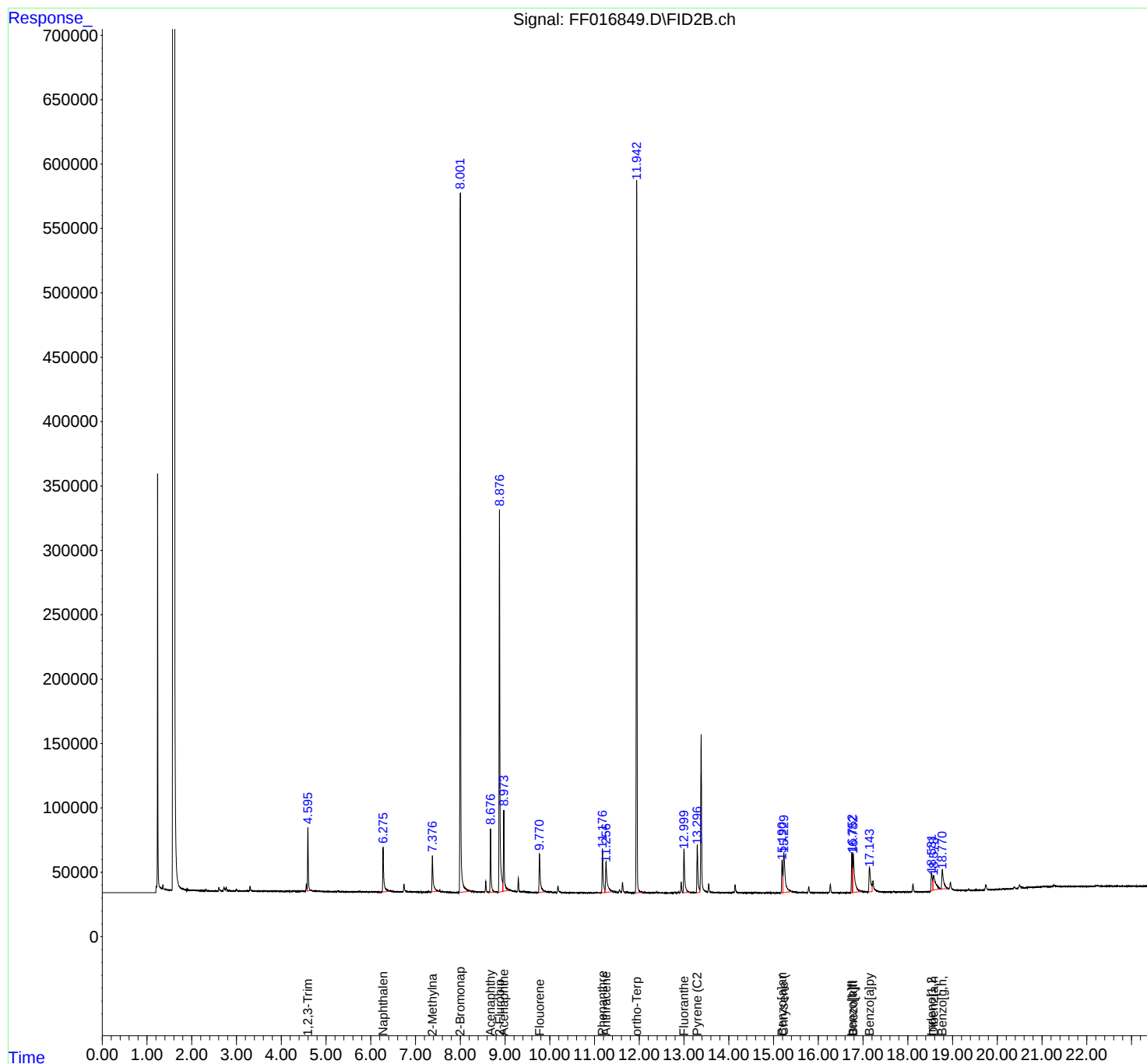
Instrument :
FID_F
ClientSampleId :
LOQ-WATER-02-QT4-2025

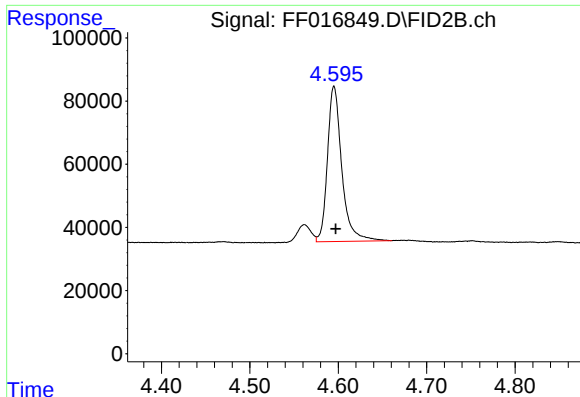
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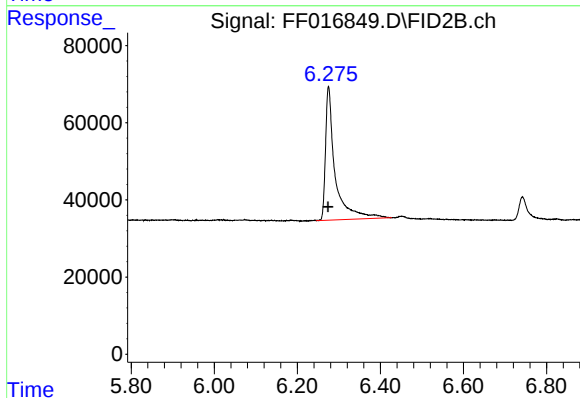
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.595 min
Delta R.T.: -0.002 min
Response: 554047
Conc: 4.03 ug/ml

Instrument :
FID_F
ClientSampleId :
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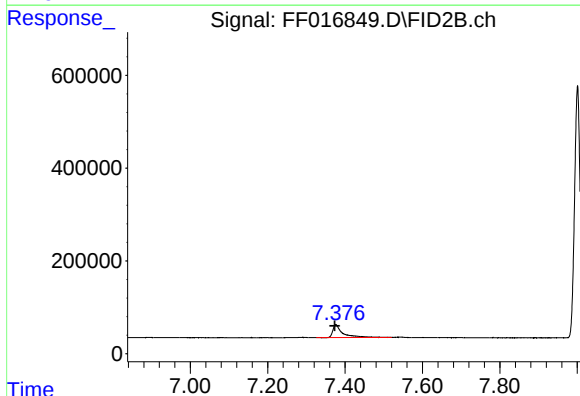
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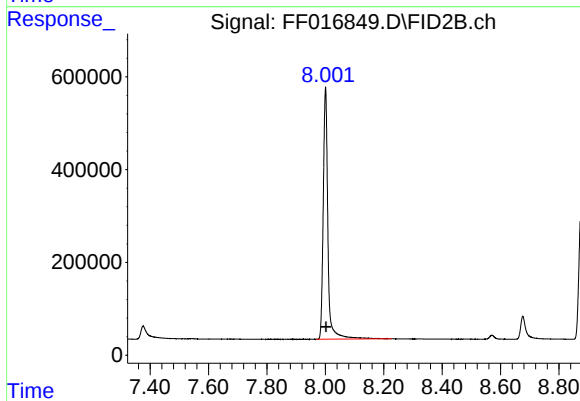
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.002 min
Response: 557297
Conc: 4.10 ug/ml



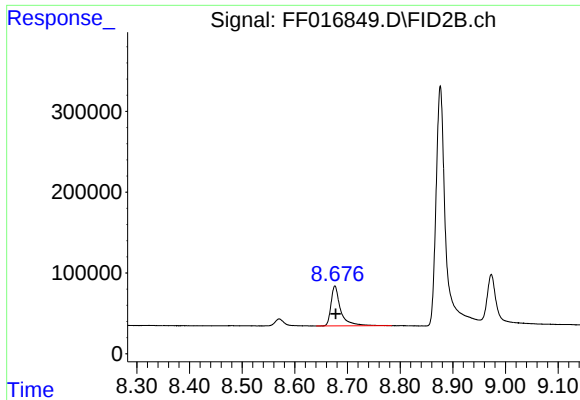
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: 0.003 min
Response: 491702
Conc: 3.63 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.001 min
Delta R.T.: -0.003 min
Response: 6046300
Conc: 52.73 ug/ml



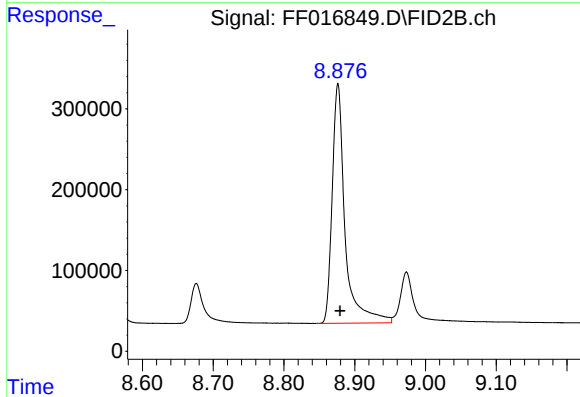
#5 Acenaphthylene (C15.06)

R.T.: 8.676 min
Delta R.T.: -0.001 min
Response: 630482
Conc: 4.61 ug/ml

Instrument : FID_F
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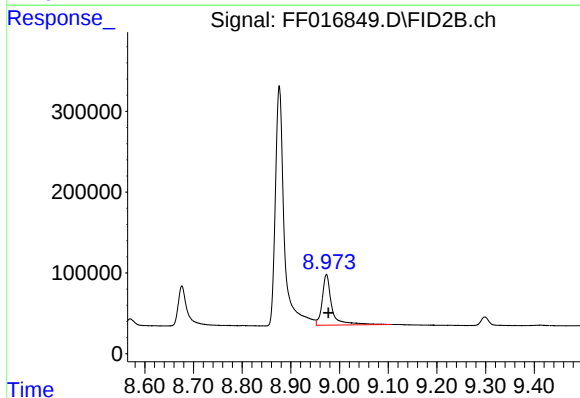
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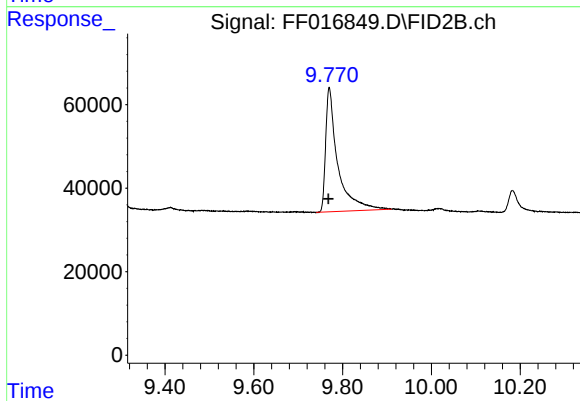
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: -0.003 min
Response: 3748999
Conc: 52.89 ug/ml



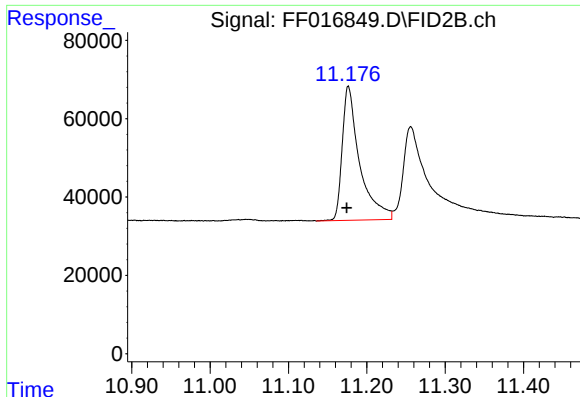
#7 Acenaphthene (C15.5)

R.T.: 8.973 min
Delta R.T.: -0.004 min
Response: 866003
Conc: 6.03 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.771 min
Delta R.T.: 0.003 min
Response: 563343
Conc: 4.24 ug/ml



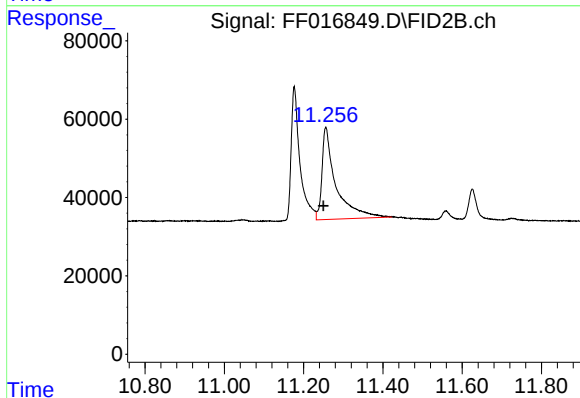
#9 Phenanthrene (C19.36)

R.T.: 11.177 min
Delta R.T.: 0.002 min
Response: 529329
Conc: 4.08 ug/ml

Instrument :
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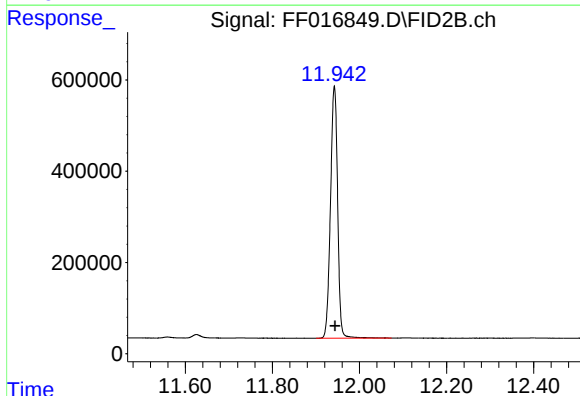
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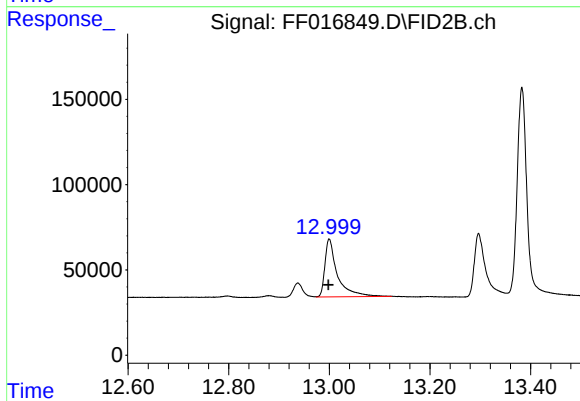
#10 Anthracene (C19.43)

R.T.: 11.256 min
Delta R.T.: 0.007 min
Response: 574626
Conc: 4.52 ug/ml



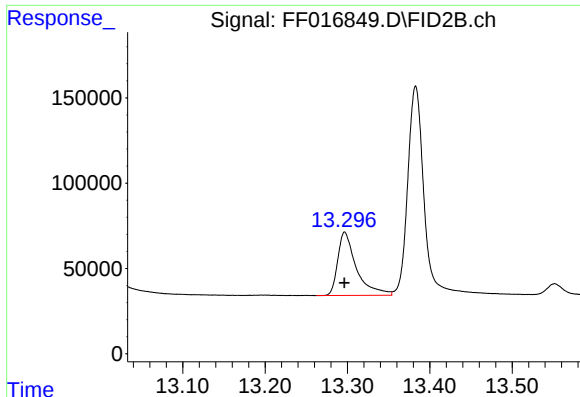
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.002 min
Response: 6275223
Conc: 42.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.000 min
Delta R.T.: 0.002 min
Response: 583305
Conc: 4.44 ug/ml



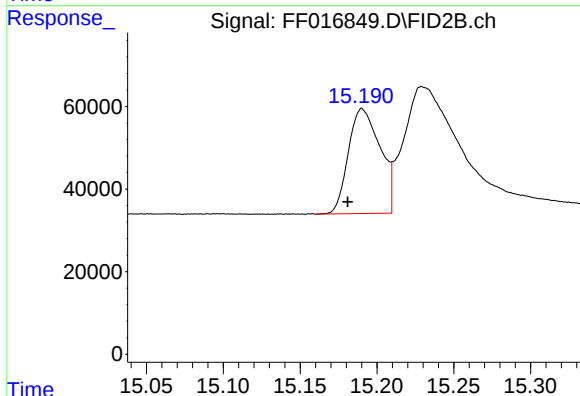
#13 Pyrene (C20.8)

R.T.: 13.297 min
Delta R.T.: 0.000 min
Response: 582765
Conc: 4.42 ug/ml

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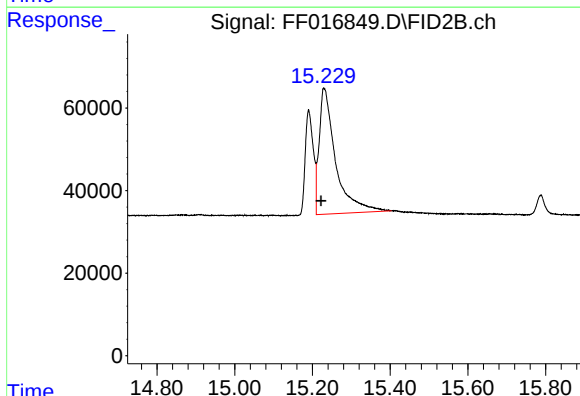
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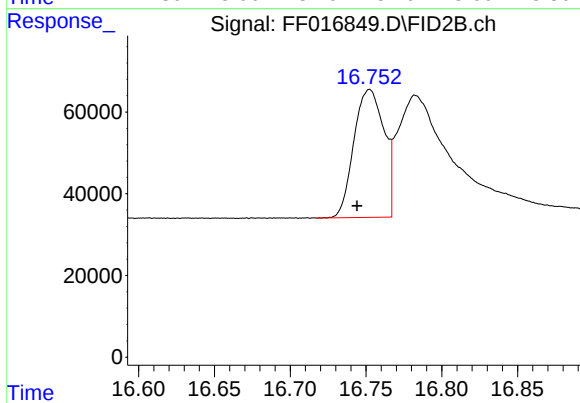
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.191 min
Delta R.T.: 0.010 min
Response: 365369
Conc: 3.39 ug/ml



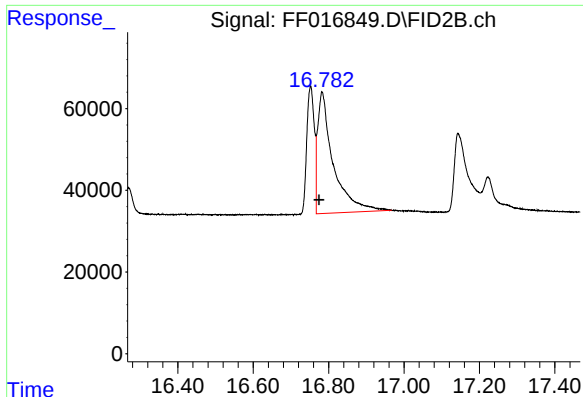
#15 Chrysene (C27.41)

R.T.: 15.231 min
Delta R.T.: 0.008 min
Response: 898434
Conc: 6.49 ug/ml



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

R.T.: 16.752 min
Delta R.T.: 0.008 min
Response: 433011
Conc: 3.67 ug/ml



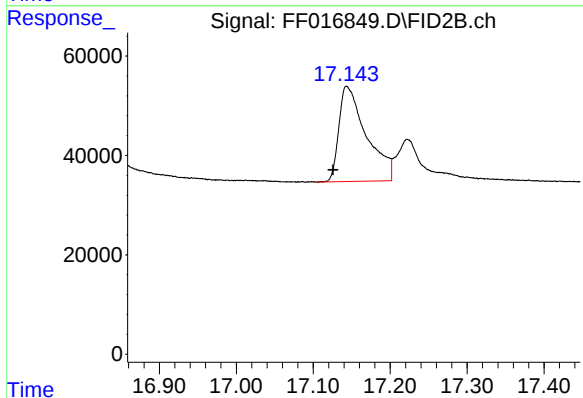
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.783 min
Delta R.T.: 0.008 min
Response: 858200
Conc: 6.66 ug/ml

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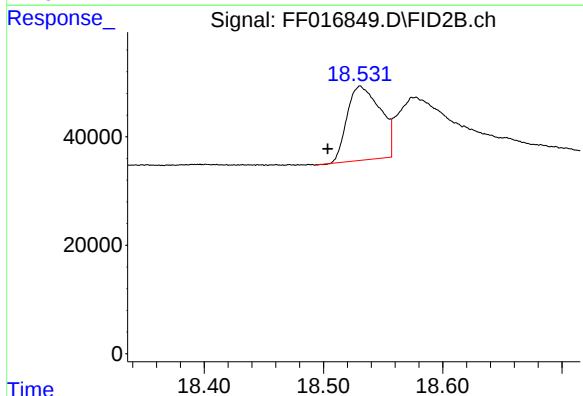
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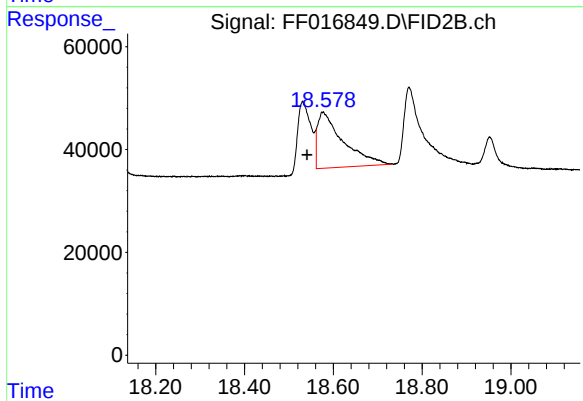
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.144 min
Delta R.T.: 0.019 min
Response: 475731
Conc: 3.95 ug/ml



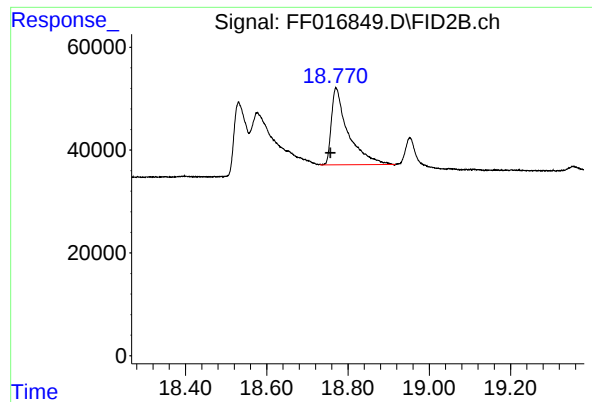
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.531 min
Delta R.T.: 0.028 min
Response: 263914
Conc: 2.67 ug/ml



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

R.T.: 18.578 min
Delta R.T.: 0.036 min
Response: 432834
Conc: 2.74 ug/ml m



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

R.T.: 18.770 min
Delta R.T.: 0.012 min
Response: 425672
Conc: 3.35 ug/ml

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