

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120525AR\
 Data File : FF016854.D
 Signal(s) : FID2B.ch
 Acq On : 05 Dec 2025 16:49
 Operator : YP\AJ
 Sample : Q3530-02
 Misc : LOD-LOQ-SOIL-0.5 ML-QT4-2025
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-SOIL-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 00:58:17 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	5852989	51.045 ug/ml
Spiked Amount 50.000		Recovery =	102.09%
6) S 2-Fluorobiphenyl (SURR)	8.877	3608954	50.915 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	101.83%
11) S ortho-Terphenyl (SURR)	11.943	6044072	41.073 ug/ml
Spiked Amount 50.000		Recovery =	82.15%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.595	542754	3.950 ug/ml
2) T Naphthalene (C11.7)	6.276	551183	4.053 ug/ml
3) T 2-Methylnaphthalene (...)	7.377	493261	3.644 ug/ml
5) T Acenaphthylene (C15.06)	8.677	607174	4.439 ug/ml
7) T Acenaphthene (C15.5)	8.973	867629	6.046 ug/ml
8) T Flouorene (C16.55)	9.773	542906	4.090 ug/ml
9) T Phenanthrene (C19.36)	11.178	504627	3.886 ug/ml
10) T Anthracene (C19.43)	11.258	545086	4.284 ug/ml
12) T Fluoranthene (C21.85)	13.001	555091	4.229 ug/ml
13) T Pyrene (C20.8)	13.299	551239	4.186 ug/ml
14) T Benzo[a]anthracene (C...	15.193	345829	3.213 ug/ml
15) T Chrysene (C27.41)	15.233	862096	6.231 ug/ml
16) T benzo[b]fluoranthene ...	16.754	400269	3.389 ug/ml
17) T Bnezo[k]fluoranthene ...	16.787	808070	6.270 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.146	438538	3.646 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.534	269762	2.728 ug/ml
20) T Dibenz[a,h]anthracene...	18.581	510280	3.231 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.771	430006	3.385 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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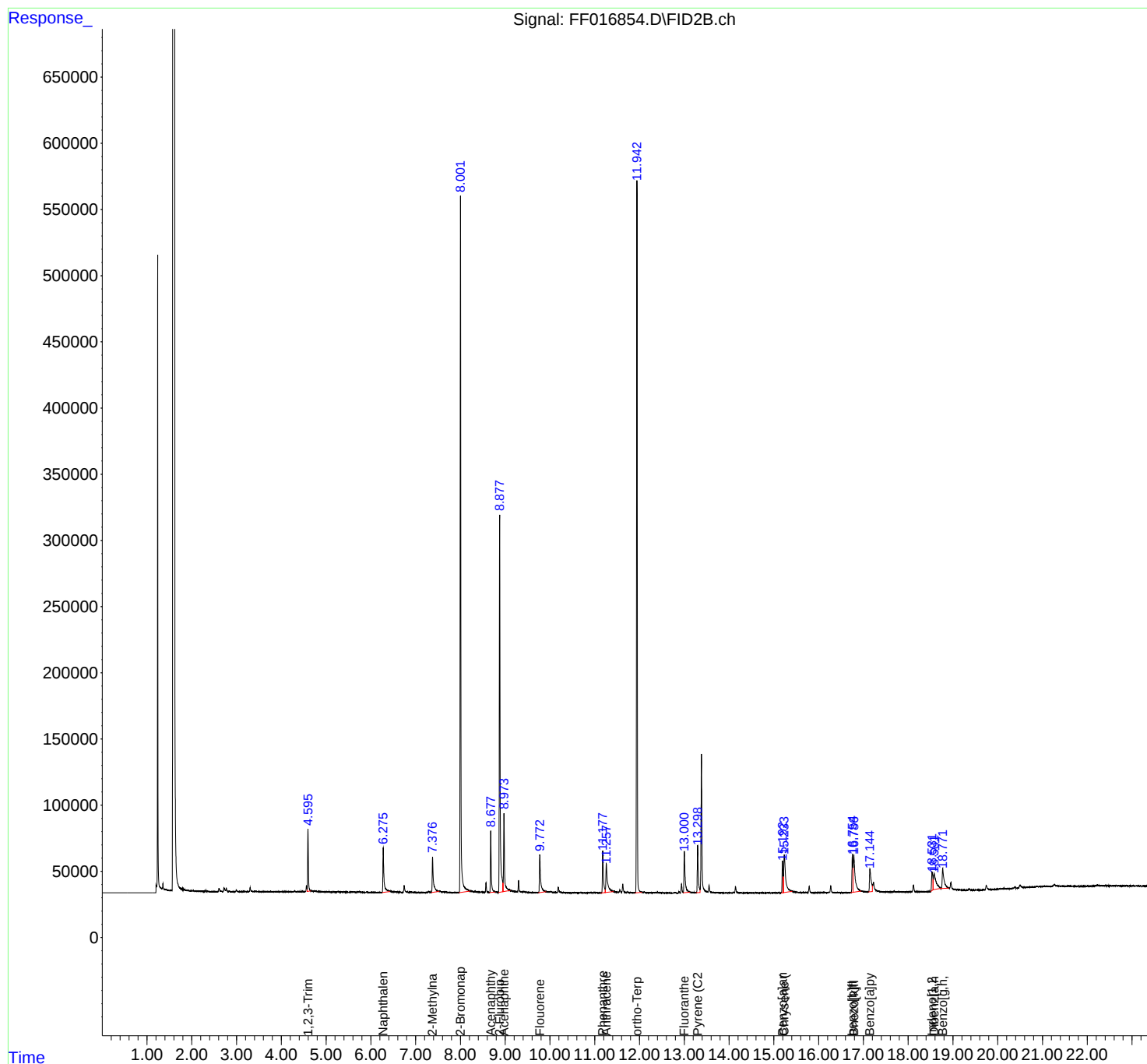
Instrument :
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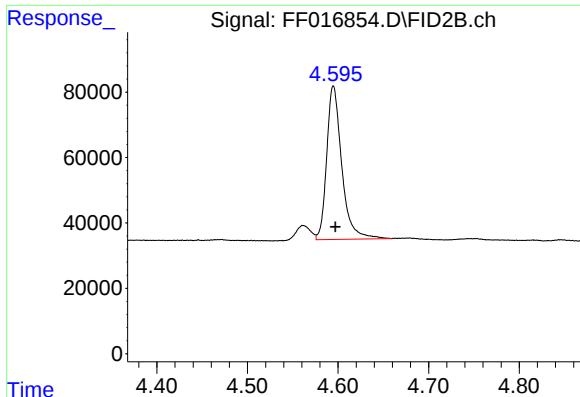
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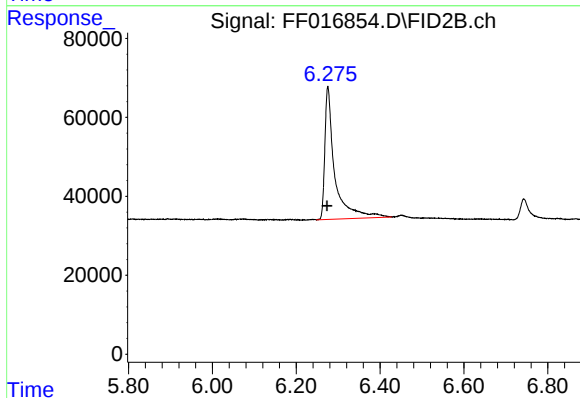
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.595 min
Delta R.T.: -0.002 min
Response: 542754
Conc: 3.95 ug/ml

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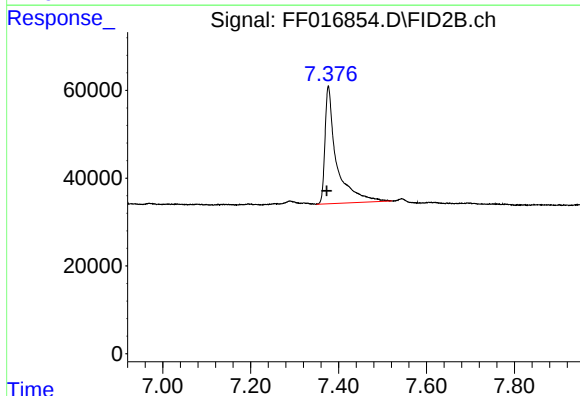
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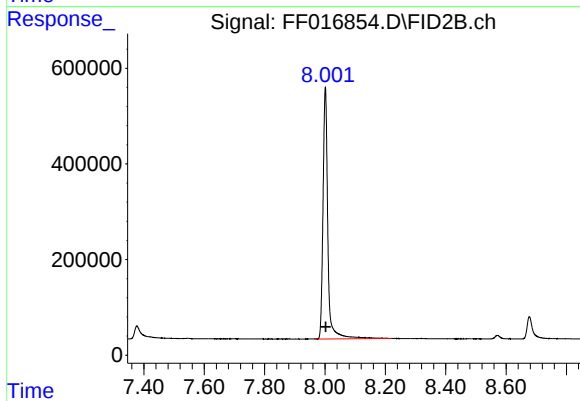
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.002 min
Response: 551183
Conc: 4.05 ug/ml



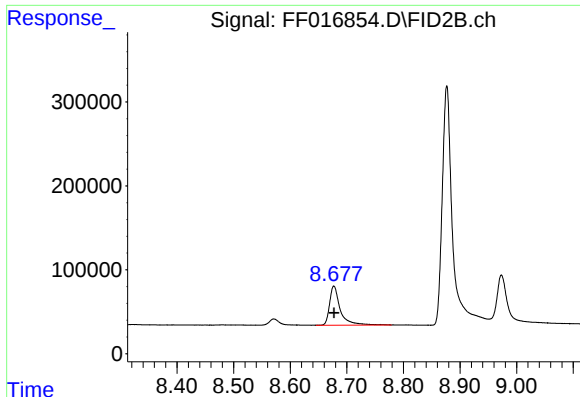
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: 0.004 min
Response: 493261
Conc: 3.64 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.001 min
Delta R.T.: -0.002 min
Response: 5852989
Conc: 51.05 ug/ml



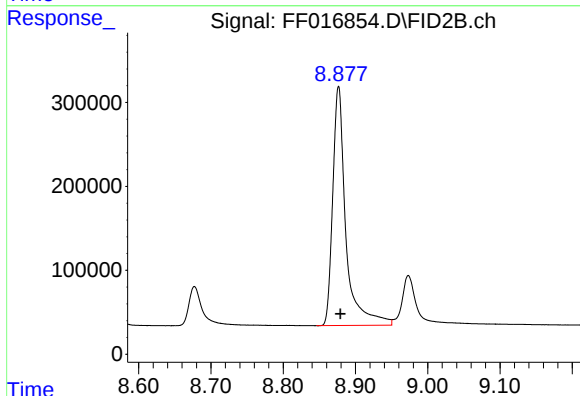
#5 Acenaphthylene (C15.06)

R.T.: 8.677 min
Delta R.T.: 0.000 min
Response: 607174
Conc: 4.44 ug/ml

Instrument : FID_F
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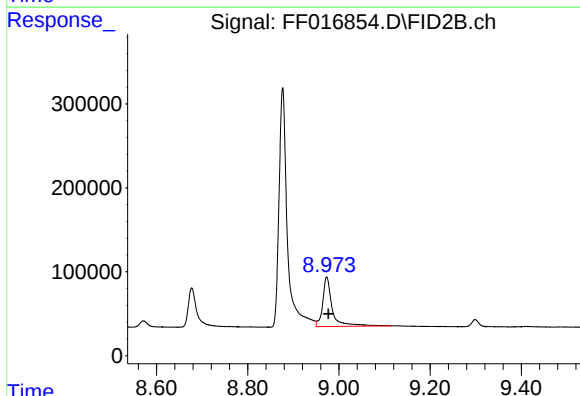
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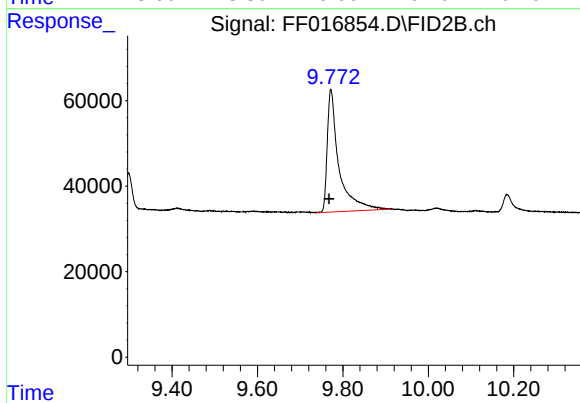
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.877 min
Delta R.T.: -0.003 min
Response: 3608954
Conc: 50.91 ug/ml



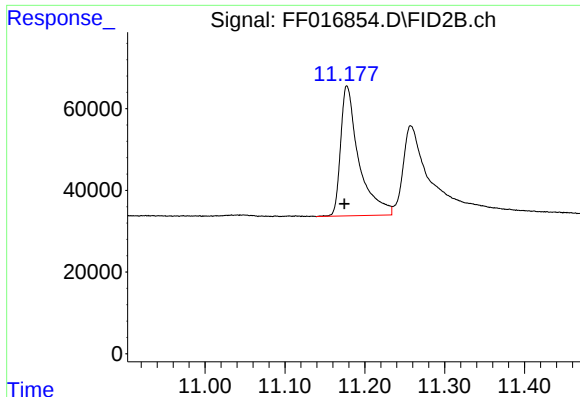
#7 Acenaphthene (C15.5)

R.T.: 8.973 min
Delta R.T.: -0.003 min
Response: 867629
Conc: 6.05 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.773 min
Delta R.T.: 0.005 min
Response: 542906
Conc: 4.09 ug/ml



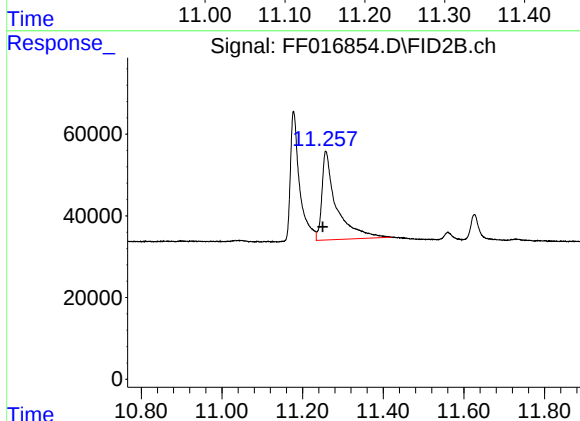
#9 Phenanthrene (C19.36)

R.T.: 11.178 min
Delta R.T.: 0.004 min
Response: 504627
Conc: 3.89 ug/ml

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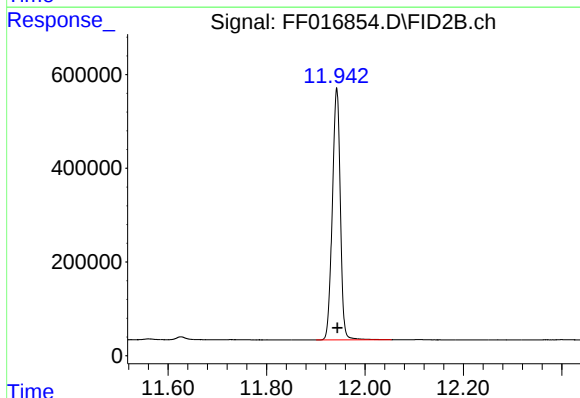
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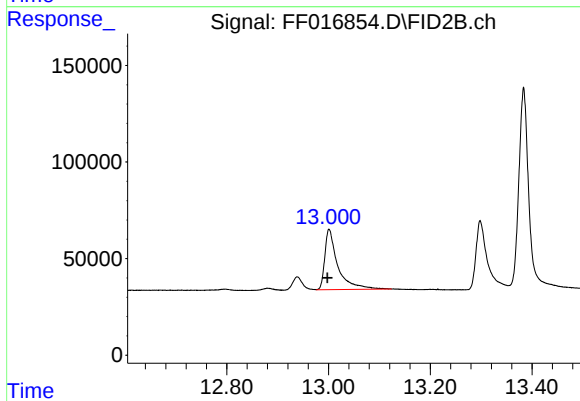
#10 Anthracene (C19.43)

R.T.: 11.258 min
Delta R.T.: 0.008 min
Response: 545086
Conc: 4.28 ug/ml



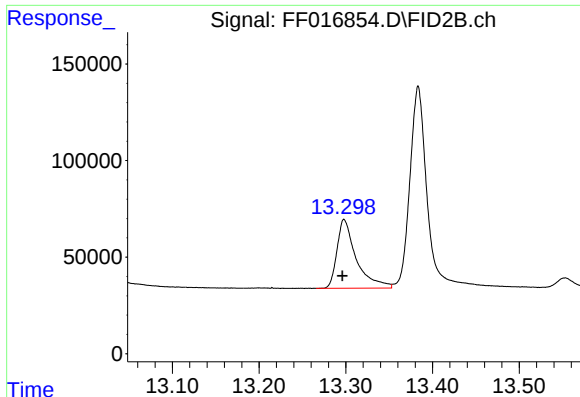
#11 ortho-Terphenyl (SURR)

R.T.: 11.943 min
Delta R.T.: -0.001 min
Response: 6044072
Conc: 41.07 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.001 min
Delta R.T.: 0.004 min
Response: 555091
Conc: 4.23 ug/ml



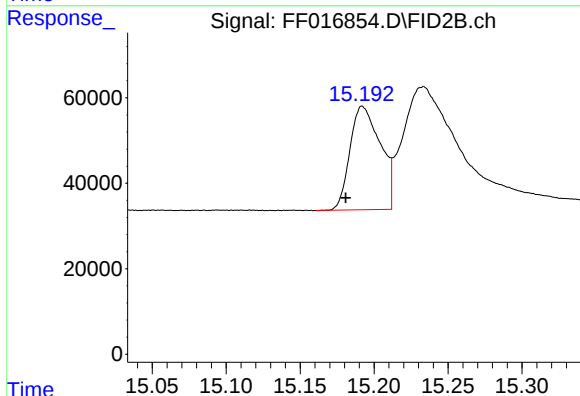
#13 Pyrene (C20.8)

R.T.: 13.299 min
Delta R.T.: 0.002 min
Response: 551239
Conc: 4.19 ug/ml

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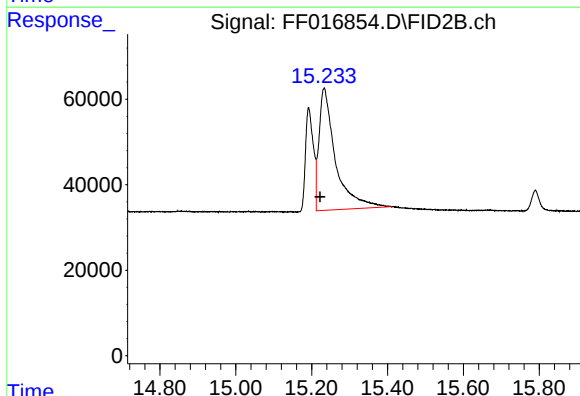
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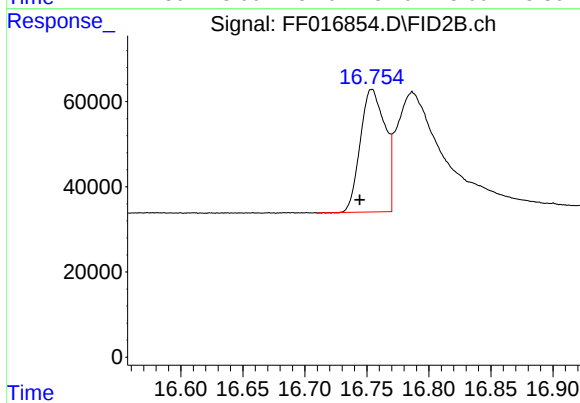
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.193 min
Delta R.T.: 0.012 min
Response: 345829
Conc: 3.21 ug/ml



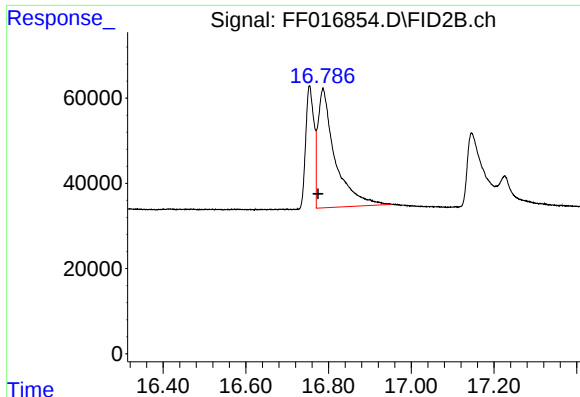
#15 Chrysene (C27.41)

R.T.: 15.233 min
Delta R.T.: 0.011 min
Response: 862096
Conc: 6.23 ug/ml



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

R.T.: 16.754 min
Delta R.T.: 0.010 min
Response: 400269
Conc: 3.39 ug/ml



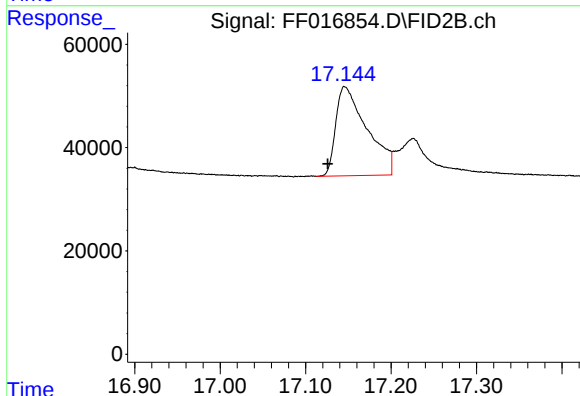
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.787 min
Delta R.T.: 0.012 min
Response: 808070
Conc: 6.27 ug/ml

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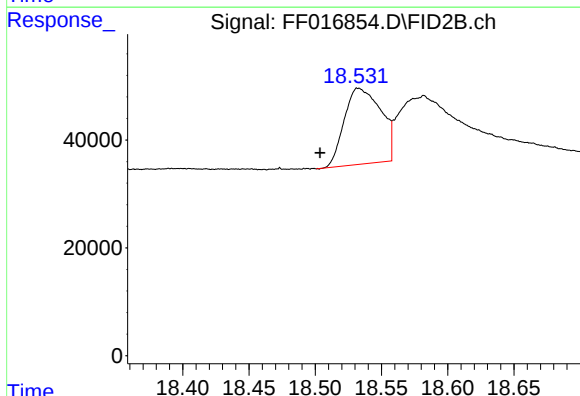
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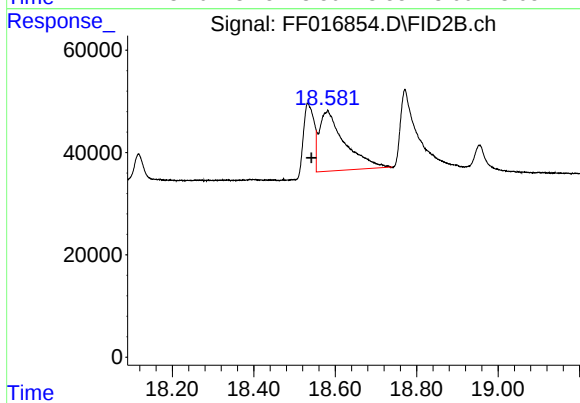
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.146 min
Delta R.T.: 0.021 min
Response: 438538
Conc: 3.65 ug/ml



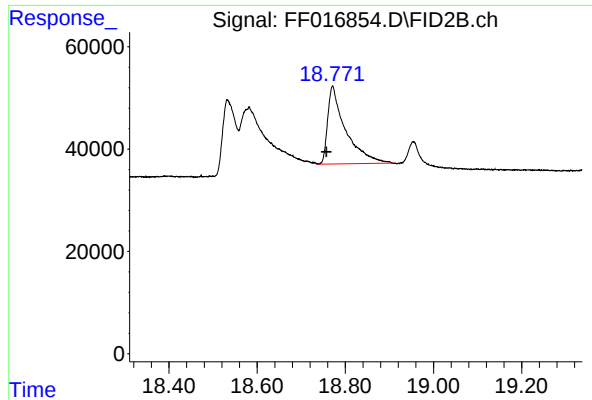
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.534 min
Delta R.T.: 0.030 min
Response: 269762
Conc: 2.73 ug/ml



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

R.T.: 18.581 min
Delta R.T.: 0.040 min
Response: 510280
Conc: 3.23 ug/ml m



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

R.T.: 18.771 min
Delta R.T.: 0.014 min
Response: 430006
Conc: 3.39 ug/ml

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