

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120525AR\
 Data File : FF016853.D
 Signal(s) : FID2B.ch
 Acq On : 05 Dec 2025 16:19
 Operator : YP\AJ
 Sample : Q3530-01
 Misc : LOD-LOQ-SOIL-0.4 ML-QT4-2025
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-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 00:57:52 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	4699966	40.989 ug/ml
Spiked Amount 50.000		Recovery =	81.98%
6) S 2-Fluorobiphenyl (SURR)	8.877	2824877	39.853 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	79.71%
11) S ortho-Terphenyl (SURR)	11.942	4691716	31.883 ug/ml
Spiked Amount 50.000		Recovery =	63.77%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.596	331213	2.411 ug/ml
2) T Naphthalene (C11.7)	6.279	305336	2.245 ug/ml
3) T 2-Methylnaphthalene (...)	7.382	283168	2.092 ug/ml
5) T Acenaphthylene (C15.06)	8.679	369150	2.699 ug/ml
7) T Acenaphthene (C15.5)	8.974	592541	4.129 ug/ml
8) T Flouorene (C16.55)	9.776	320242	2.412 ug/ml
9) T Phenanthrene (C19.36)	11.184	287583	2.214 ug/ml
10) T Anthracene (C19.43)	11.266	305308	2.399 ug/ml
12) T Fluoranthene (C21.85)	13.008	338983	2.583 ug/ml
13) T Pyrene (C20.8)	13.303	328941	2.498 ug/ml
14) T Benzo[a]anthracene (C...	15.205	172785	1.605 ug/ml
15) T Chrysene (C27.41)	15.242	538542	3.893 ug/mlm
16) T benzo[b]fluoranthene ...	16.763	223655	1.894 ug/ml
17) T Bnezo[k]fluoranthene ...	16.797	541765	4.204 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.158	242562	2.017 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.538	185781	1.879 ug/ml
20) T Dibenz[a,h]anthracene...	18.587	387273	2.452 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.775	325974	2.566 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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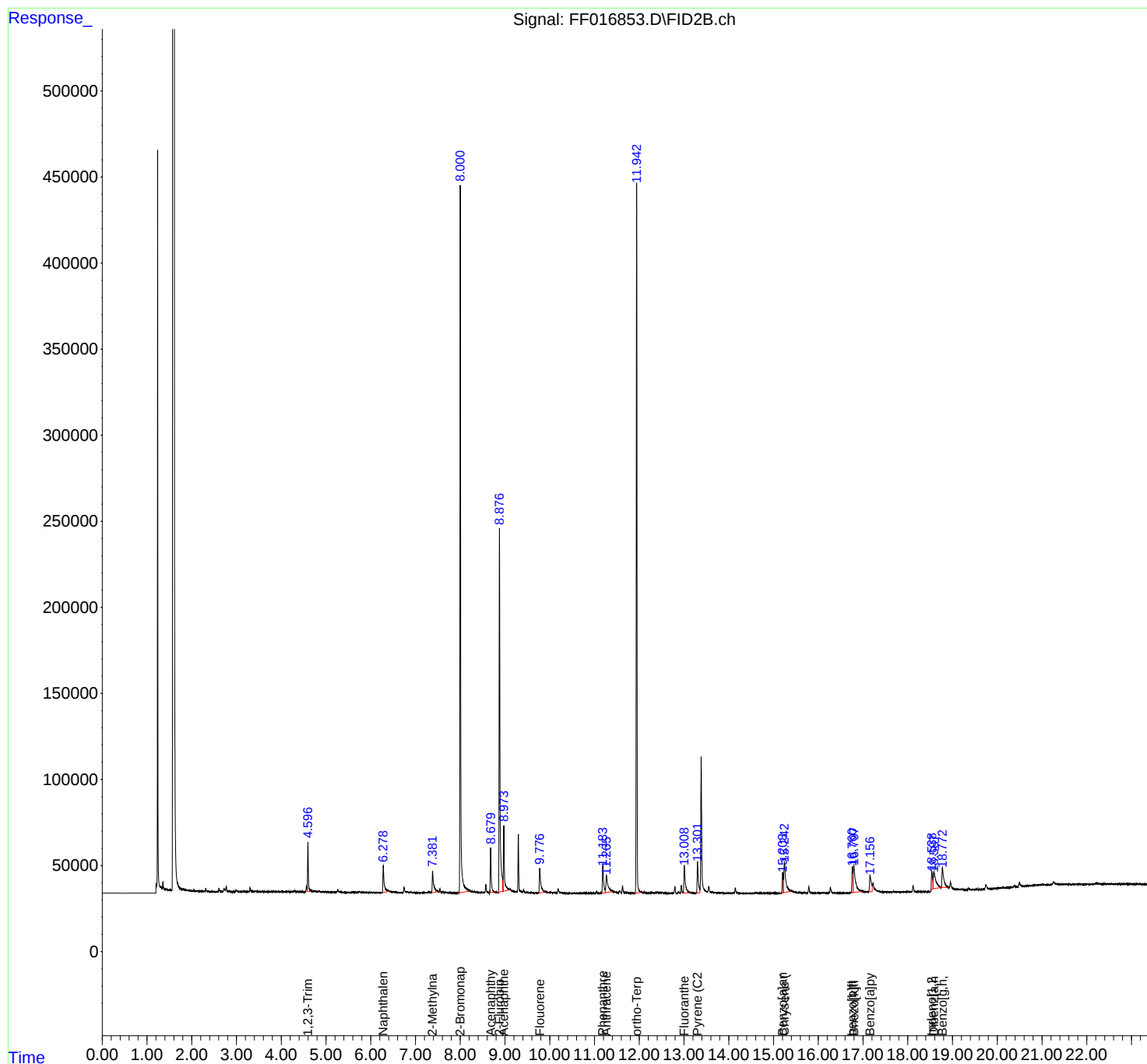
Instrument :
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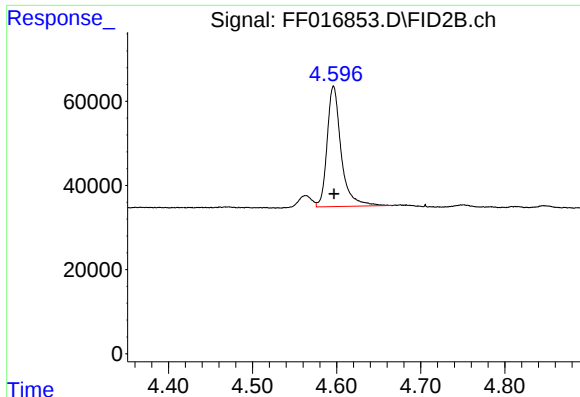
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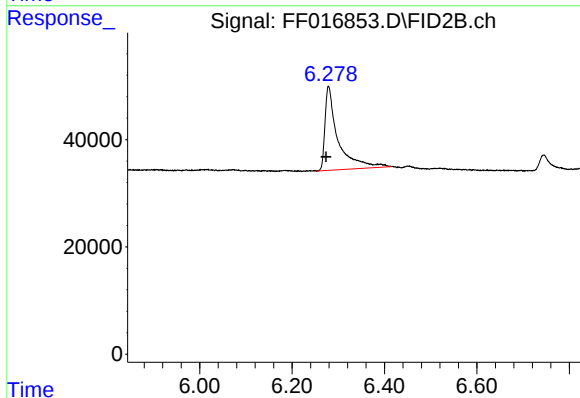
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 331213
Conc: 2.41 ug/ml

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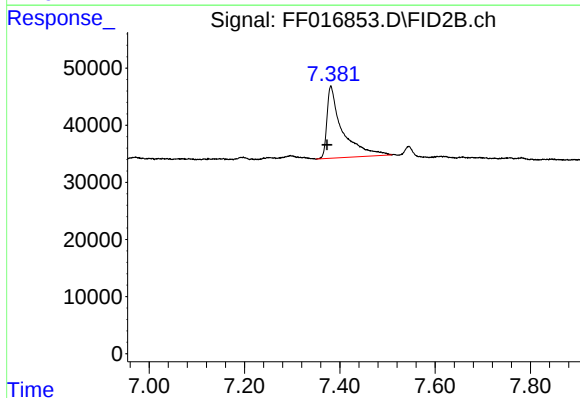
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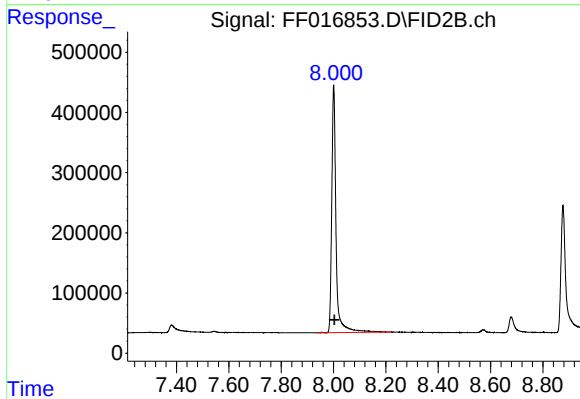
#2 Naphthalene (C11.7)

R.T.: 6.279 min
Delta R.T.: 0.006 min
Response: 305336
Conc: 2.25 ug/ml



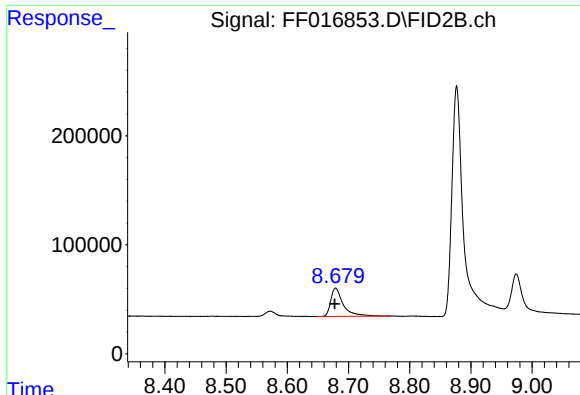
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.382 min
Delta R.T.: 0.008 min
Response: 283168
Conc: 2.09 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.001 min
Delta R.T.: -0.003 min
Response: 4699966
Conc: 40.99 ug/ml



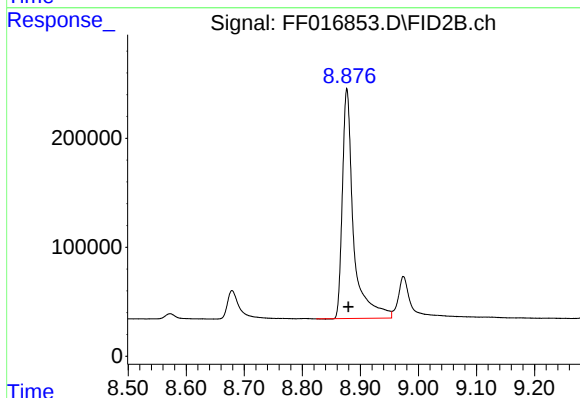
#5 Acenaphthylene (C15.06)

R.T.: 8.679 min
Delta R.T.: 0.002 min
Response: 369150
Conc: 2.70 ug/ml

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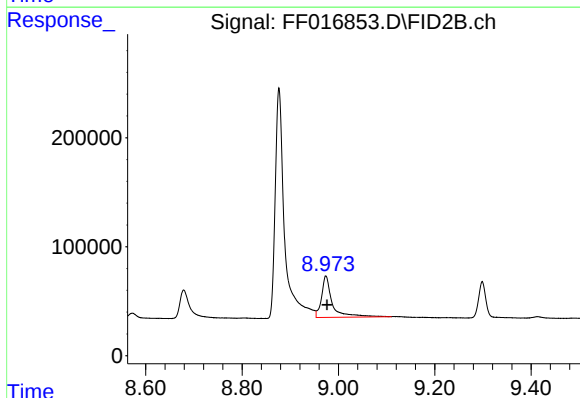
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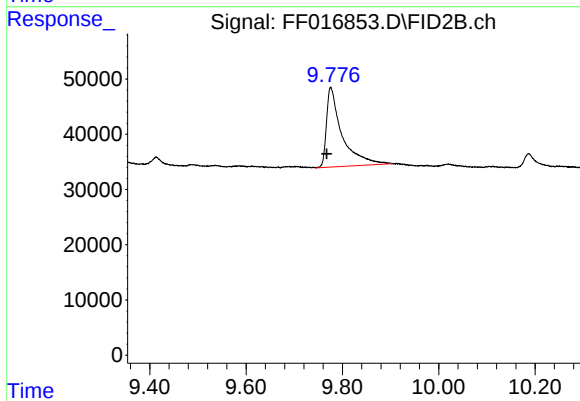
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.877 min
Delta R.T.: -0.002 min
Response: 2824877
Conc: 39.85 ug/ml



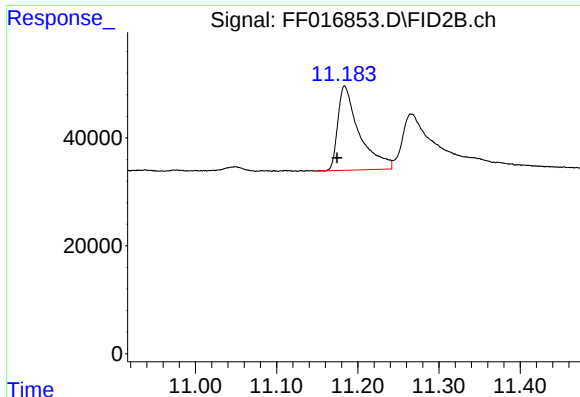
#7 Acenaphthene (C15.5)

R.T.: 8.974 min
Delta R.T.: -0.002 min
Response: 592541
Conc: 4.13 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.776 min
Delta R.T.: 0.009 min
Response: 320242
Conc: 2.41 ug/ml



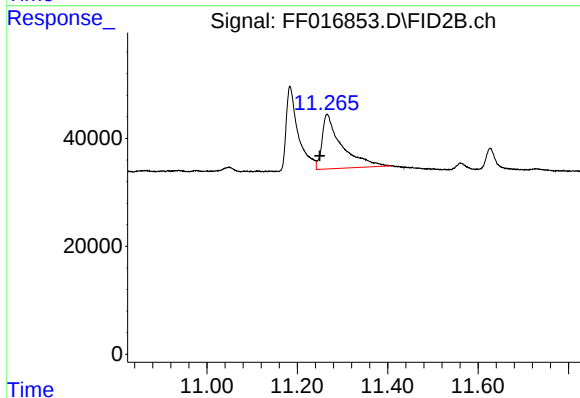
#9 Phenanthrene (C19.36)

R.T.: 11.184 min
Delta R.T.: 0.010 min
Response: 287583
Conc: 2.21 ug/ml

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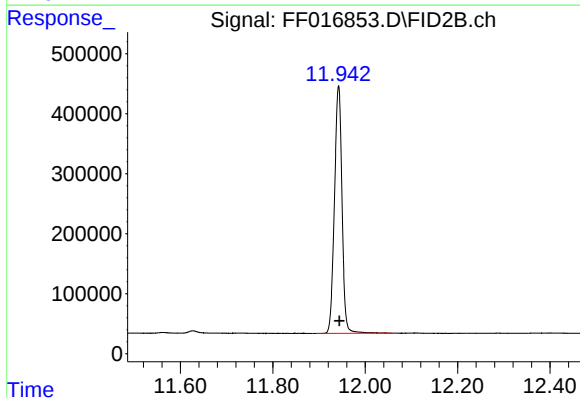
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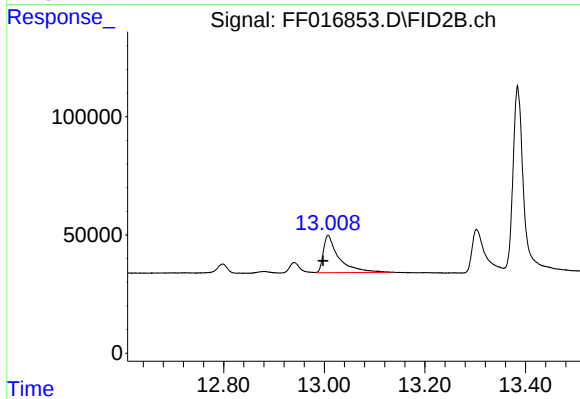
#10 Anthracene (C19.43)

R.T.: 11.266 min
Delta R.T.: 0.017 min
Response: 305308
Conc: 2.40 ug/ml



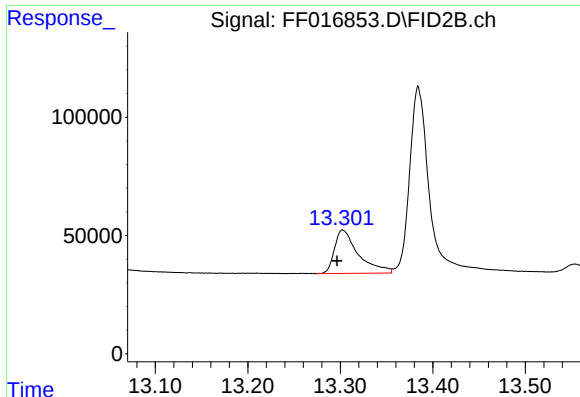
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.002 min
Response: 4691716
Conc: 31.88 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.008 min
Delta R.T.: 0.010 min
Response: 338983
Conc: 2.58 ug/ml



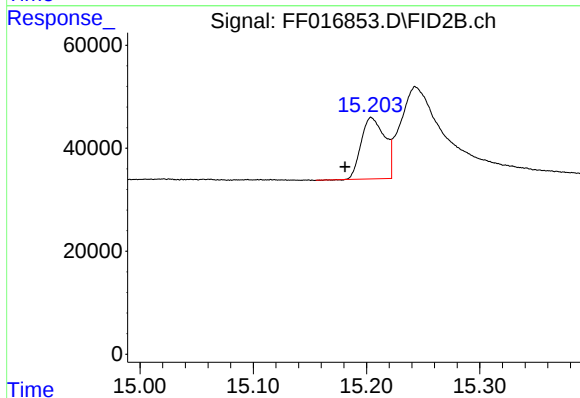
#13 Pyrene (C20.8)

R.T.: 13.303 min
Delta R.T.: 0.007 min
Response: 328941
Conc: 2.50 ug/ml

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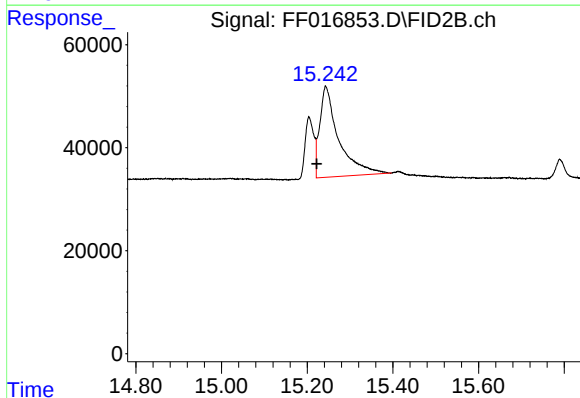
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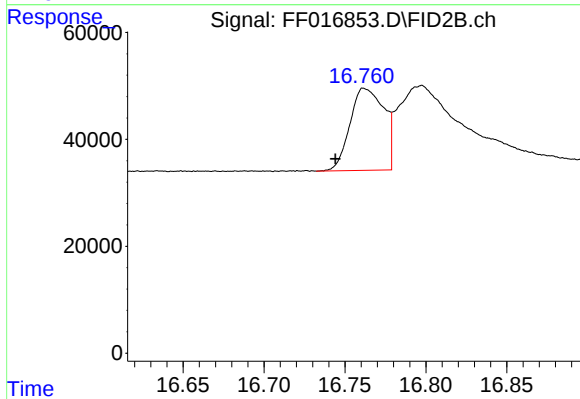
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.205 min
Delta R.T.: 0.024 min
Response: 172785
Conc: 1.61 ug/ml



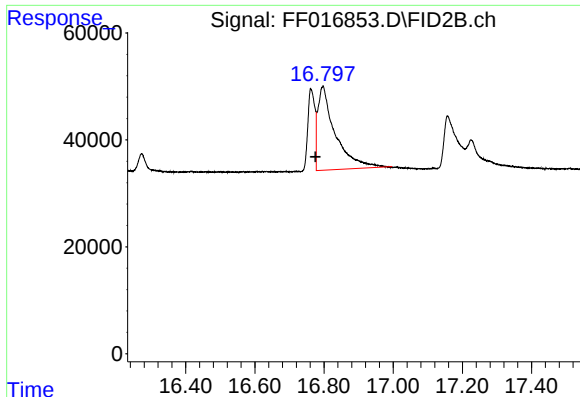
#15 Chrysene (C27.41)

R.T.: 15.242 min
Delta R.T.: 0.020 min
Response: 538542
Conc: 3.89 ug/ml m



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

R.T.: 16.763 min
Delta R.T.: 0.019 min
Response: 223655
Conc: 1.89 ug/ml



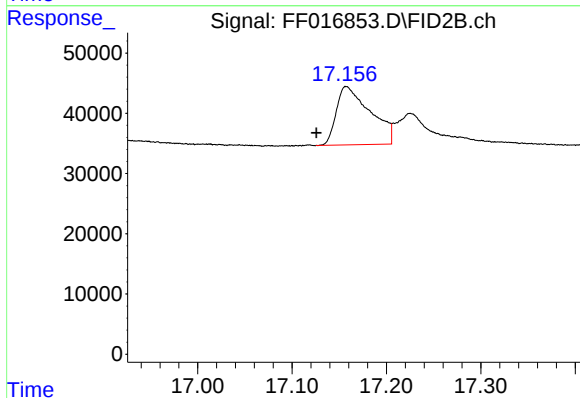
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.797 min
Delta R.T.: 0.023 min
Response: 541765
Conc: 4.20 ug/ml

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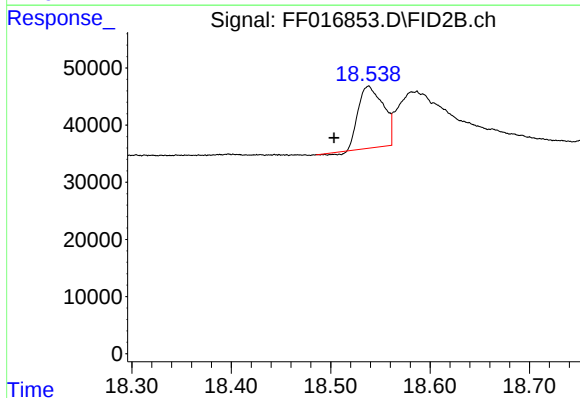
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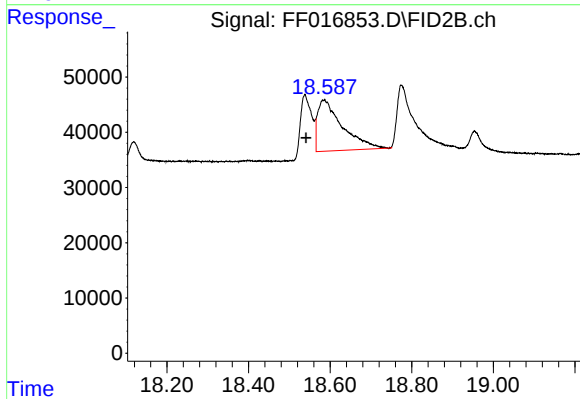
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.158 min
Delta R.T.: 0.032 min
Response: 242562
Conc: 2.02 ug/ml



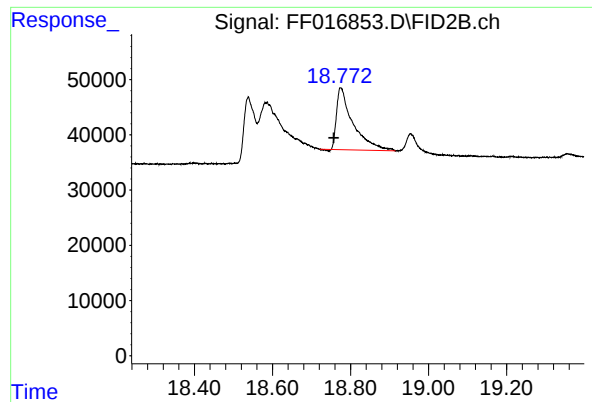
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.538 min
Delta R.T.: 0.034 min
Response: 185781
Conc: 1.88 ug/ml



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

R.T.: 18.587 min
Delta R.T.: 0.046 min
Response: 387273
Conc: 2.45 ug/ml m



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

R.T.: 18.775 min
Delta R.T.: 0.018 min
Response: 325974
Conc: 2.57 ug/ml

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