

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120525AR\
 Data File : FF016852.D
 Signal(s) : FID2B.ch
 Acq On : 05 Dec 2025 15:50
 Operator : YP\AJ
 Sample : Q3530-01
 Misc : LOD-LOQ-SOIL-0.25 ML-QT4-2025
 ALS Vial : 77 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 00:57:26 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	4820535	42.041 ug/ml
Spiked Amount 50.000		Recovery =	84.08%
6) S 2-Fluorobiphenyl (SURR)	8.877	2907034	41.012 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	82.02%
11) S ortho-Terphenyl (SURR)	11.942	4966481	33.750 ug/ml
Spiked Amount 50.000		Recovery =	67.50%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.596	232761	1.694 ug/ml
2) T Naphthalene (C11.7)	6.281	187754	1.380 ug/ml
3) T 2-Methylnaphthalene (...)	7.385	171789	1.269 ug/ml
5) T Acenaphthylene (C15.06)	8.680	257977	1.886 ug/ml
7) T Acenaphthene (C15.5)	8.975	443311	3.089 ug/ml
8) T Flouorene (C16.55)	9.779	211952	1.597 ug/ml
9) T Phenanthrene (C19.36)	11.188	187950	1.447 ug/ml
10) T Anthracene (C19.43)	11.271	193401	1.520 ug/ml
12) T Fluoranthene (C21.85)	13.011	221964	1.691 ug/ml
13) T Pyrene (C20.8)	13.306	218470	1.659 ug/ml
14) T Benzo[a]anthracene (C...	15.209	119602	1.111 ug/ml
15) T Chrysene (C27.41)	15.245	392231	2.835 ug/mlm
16) T benzo[b]fluoranthene ...	16.760	200884	1.701 ug/ml
17) T Bnezo[k]fluoranthene ...	16.793	436518	3.387 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.149	260182	2.163 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.514	528068	5.340 ug/ml
20) T Dibenz[a,h]anthracene...	18.554	975640	6.178 ug/ml
21) T Benzo[g,h,i]perylene ...	18.759	824397	6.490 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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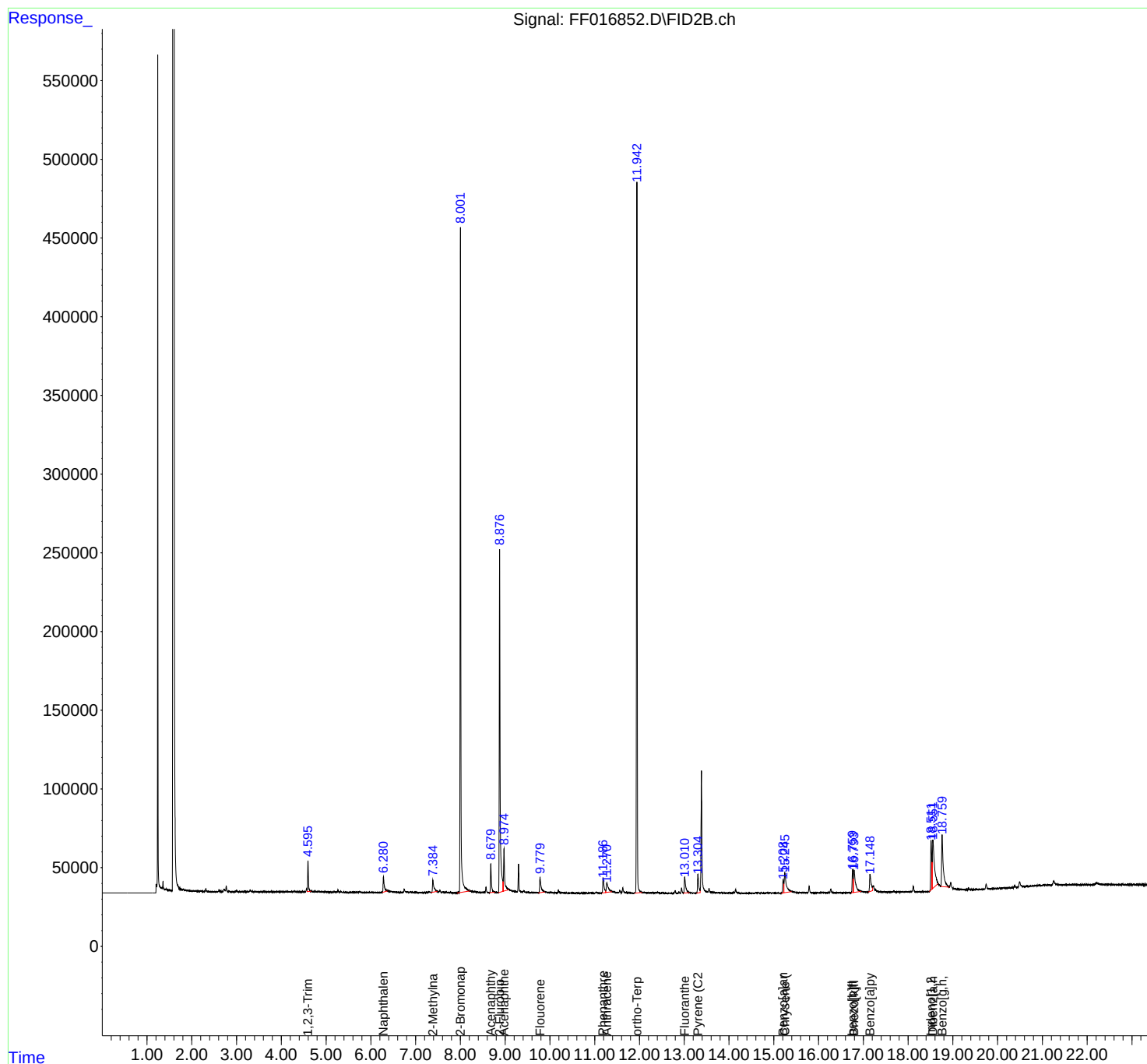
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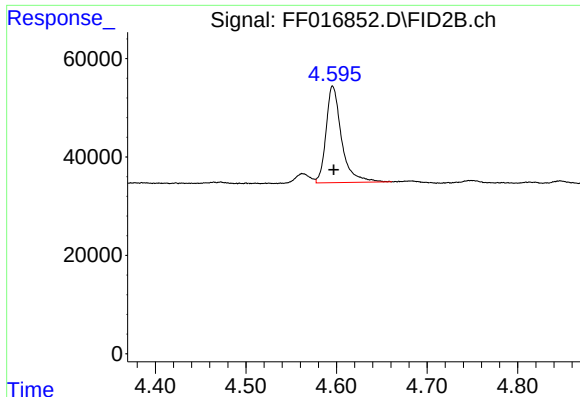
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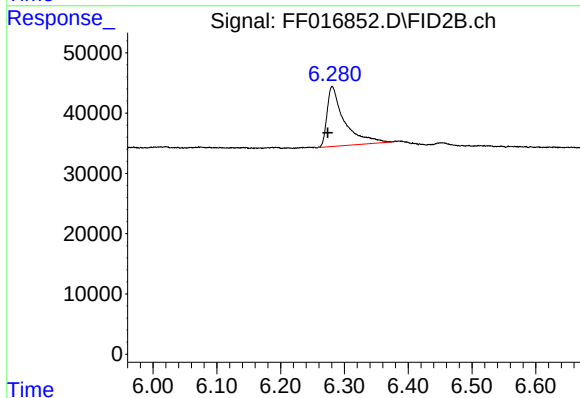
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.596 min
Delta R.T.: 0.000 min
Response: 232761
Conc: 1.69 ug/ml

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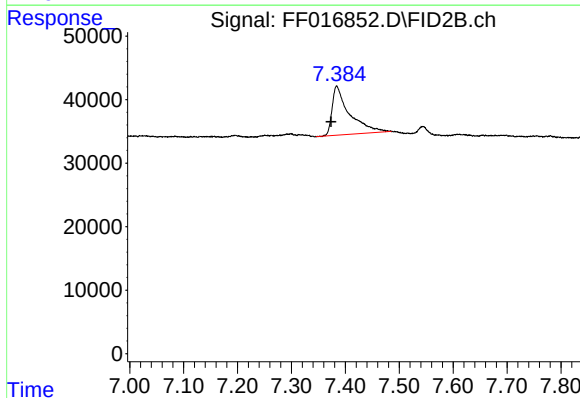
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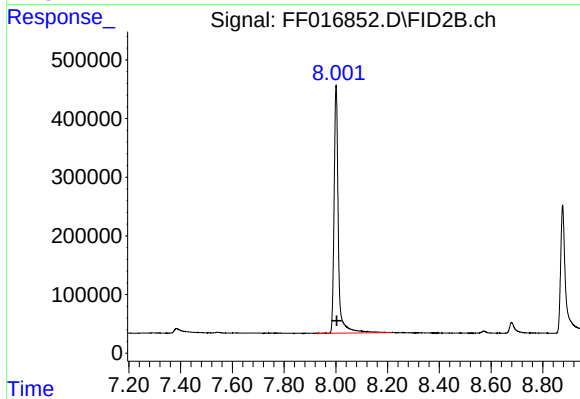
#2 Naphthalene (C11.7)

R.T.: 6.281 min
Delta R.T.: 0.008 min
Response: 187754
Conc: 1.38 ug/ml



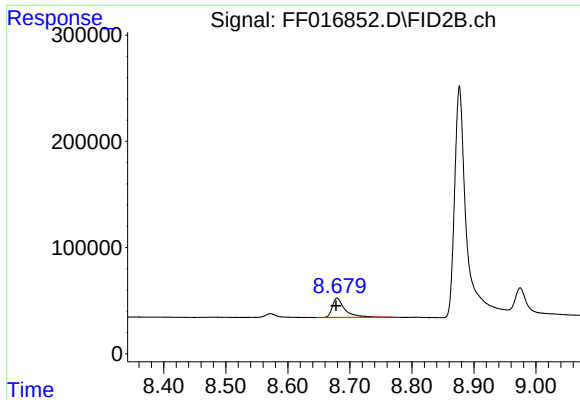
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: 0.011 min
Response: 171789
Conc: 1.27 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.001 min
Delta R.T.: -0.002 min
Response: 4820535
Conc: 42.04 ug/ml



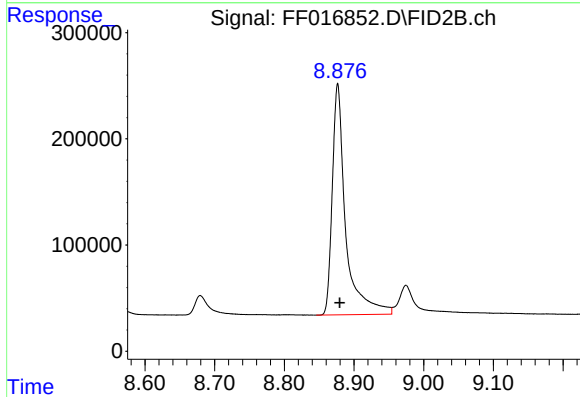
#5 Acenaphthylene (C15.06)

R.T.: 8.680 min
Delta R.T.: 0.002 min
Response: 257977
Conc: 1.89 ug/ml

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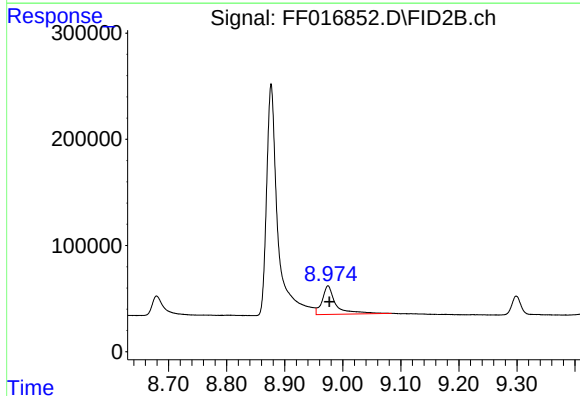
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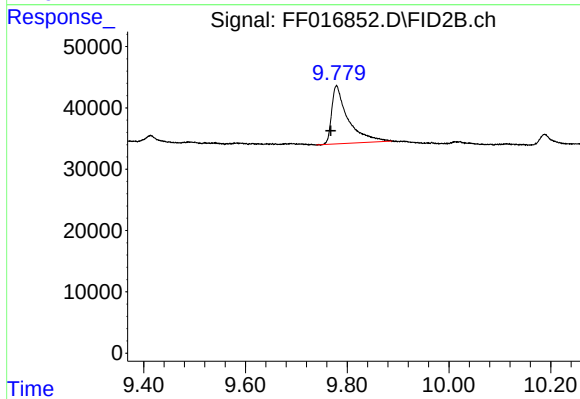
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.877 min
Delta R.T.: -0.003 min
Response: 2907034
Conc: 41.01 ug/ml



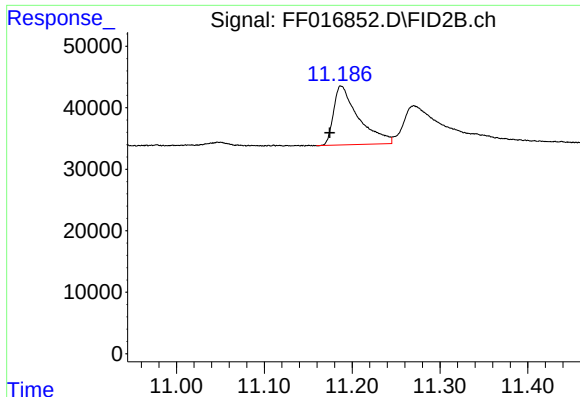
#7 Acenaphthene (C15.5)

R.T.: 8.975 min
Delta R.T.: -0.002 min
Response: 443311
Conc: 3.09 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.779 min
Delta R.T.: 0.012 min
Response: 211952
Conc: 1.60 ug/ml



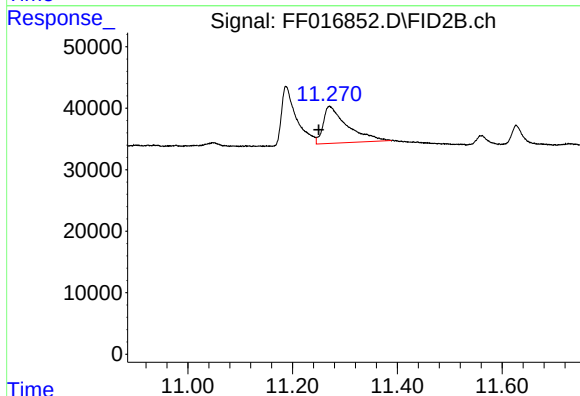
#9 Phenanthrene (C19.36)

R.T.: 11.188 min
Delta R.T.: 0.014 min
Response: 187950
Conc: 1.45 ug/ml

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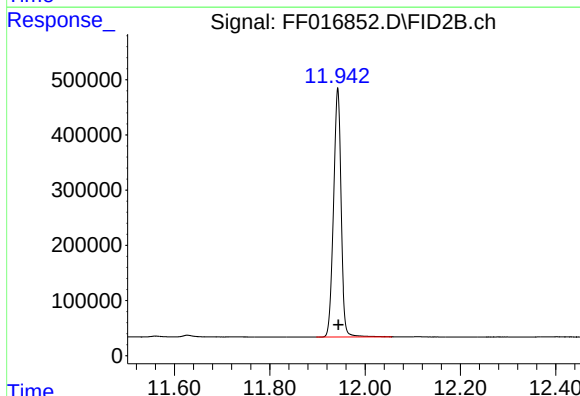
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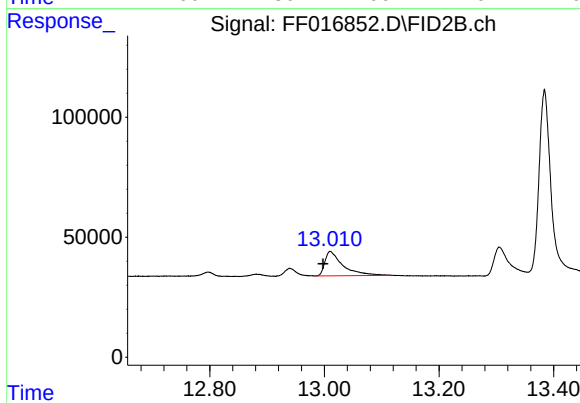
#10 Anthracene (C19.43)

R.T.: 11.271 min
Delta R.T.: 0.021 min
Response: 193401
Conc: 1.52 ug/ml



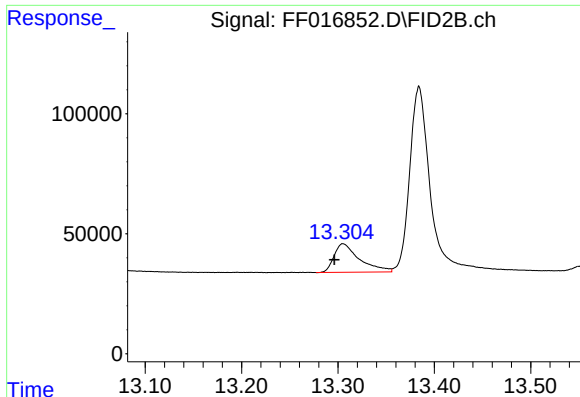
#11 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.001 min
Response: 4966481
Conc: 33.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.011 min
Delta R.T.: 0.013 min
Response: 221964
Conc: 1.69 ug/ml



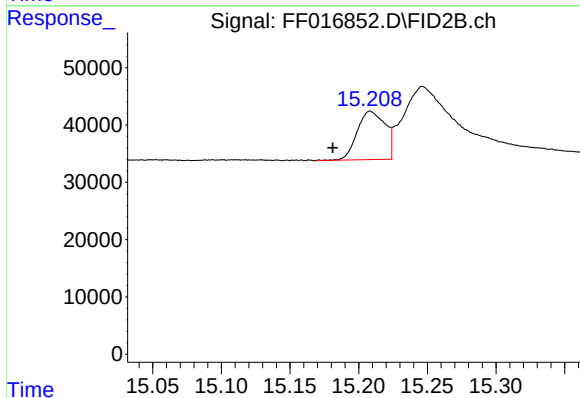
#13 Pyrene (C20.8)

R.T.: 13.306 min
Delta R.T.: 0.009 min
Response: 218470
Conc: 1.66 ug/ml

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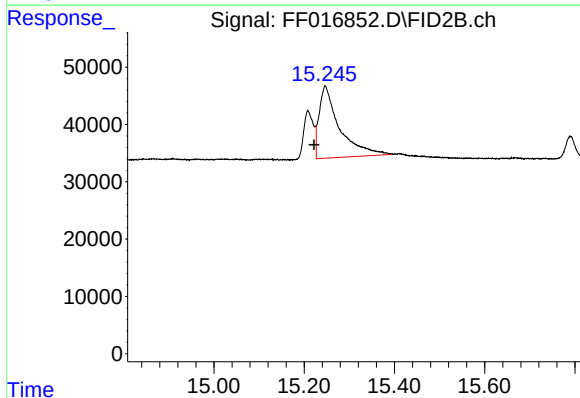
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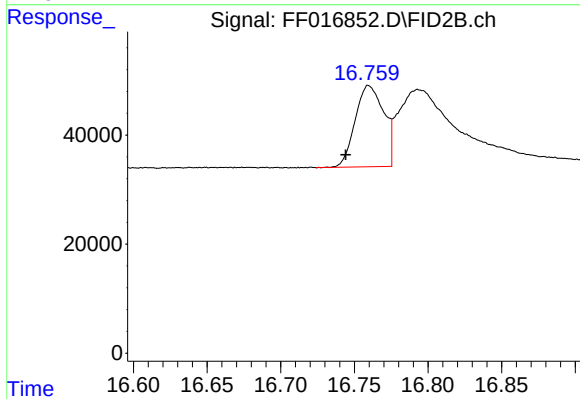
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.209 min
Delta R.T.: 0.028 min
Response: 119602
Conc: 1.11 ug/ml



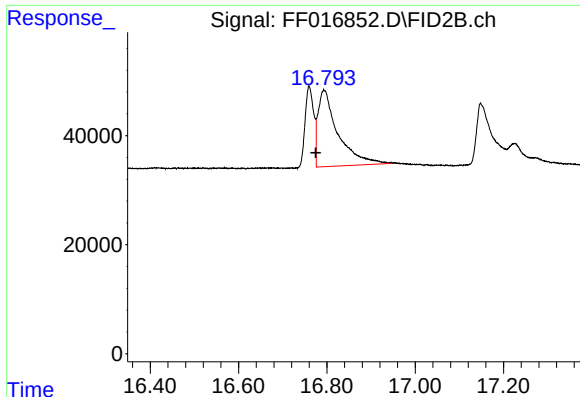
#15 Chrysene (C27.41)

R.T.: 15.245 min
Delta R.T.: 0.023 min
Response: 392231
Conc: 2.83 ug/ml m



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

R.T.: 16.760 min
Delta R.T.: 0.016 min
Response: 200884
Conc: 1.70 ug/ml



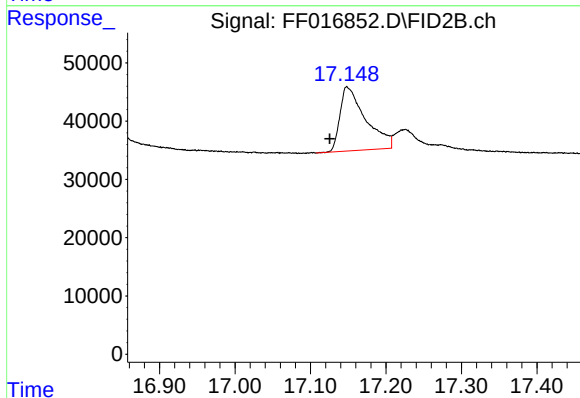
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.793 min
Delta R.T.: 0.018 min
Response: 436518
Conc: 3.39 ug/ml

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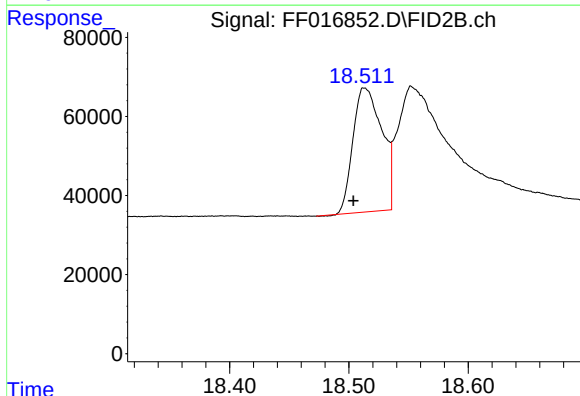
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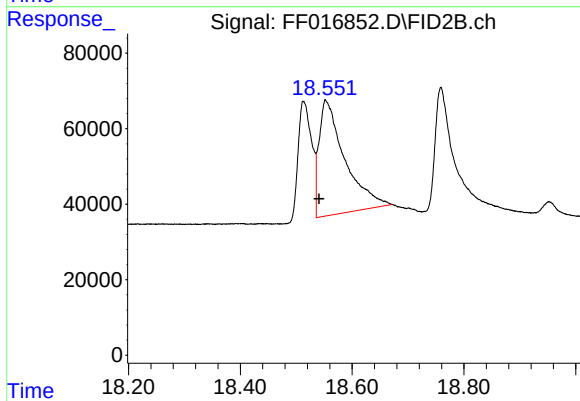
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.149 min
Delta R.T.: 0.024 min
Response: 260182
Conc: 2.16 ug/ml



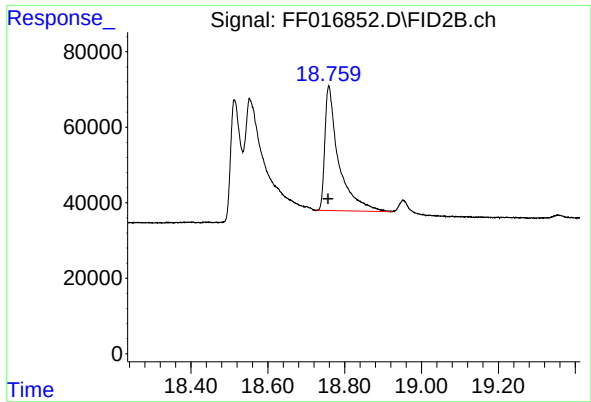
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.514 min
Delta R.T.: 0.010 min
Response: 528068
Conc: 5.34 ug/ml



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

R.T.: 18.554 min
Delta R.T.: 0.012 min
Response: 975640
Conc: 6.18 ug/ml



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

R.T.: 18.759 min
Delta R.T.: 0.002 min
Response: 824397
Conc: 6.49 ug/ml

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