

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF120925AR\
 Data File : FF016875.D
 Signal(s) : FID2B.ch
 Acq On : 09 Dec 2025 13:30
 Operator : YP\AJ
 Sample : Q3530-01
 Misc : 2.5PPM SOIL LOD
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/10/2025
 Supervised By :Yogesh Patel 12/10/2025

Integration File: autoint1.e
 Quant Time: Dec 10 03:41:27 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...	8.000	7045863	61.449 ug/ml
Spiked Amount 50.000		Recovery =	122.90%
6) S 2-Fluorobiphenyl (SURR)	8.876	4550881	64.203 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	128.41%
11) S ortho-Terphenyl (SURR)	11.945	7502083	50.981 ug/ml
Spiked Amount 50.000		Recovery =	101.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.592	357172	2.600 ug/ml
2) T Naphthalene (C11.7)	6.270	339128	2.493 ug/ml
3) T 2-Methylnaphthalene (...)	7.370	332415	2.456 ug/ml
5) T Acenaphthylene (C15.06)	8.673	426087	3.115 ug/ml
7) T Acenaphthene (C15.5)	8.972	536767	3.740 ug/ml
8) T Fluorene (C16.55)	9.765	358702	2.702 ug/ml
9) T Phenanthrene (C19.36)	11.173	357167	2.750 ug/ml
10) T Anthracene (C19.43)	11.250	390843	3.072 ug/ml
12) T Fluoranthene (C21.85)	12.997	414699	3.160 ug/ml
13) T Pyrene (C20.8)	13.295	415371	3.154 ug/ml
14) T Benzo[a]anthracene (C...	15.185	283319	2.632 ug/ml
15) T Chrysene (C27.41)	15.226	510703	3.691 ug/ml
16) T benzo[b]fluoranthene ...	16.747	287720	2.436 ug/ml
17) T Bnezo[k]fluoranthene ...	16.778	366907	2.847 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.135	291683	2.425 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.514	213608	2.160 ug/ml
20) T Dibenz[a,h]anthracene...	18.550	418313	2.649 ug/ml
21) T Benzo[g,h,i]perylene ...	18.761	304891	2.400 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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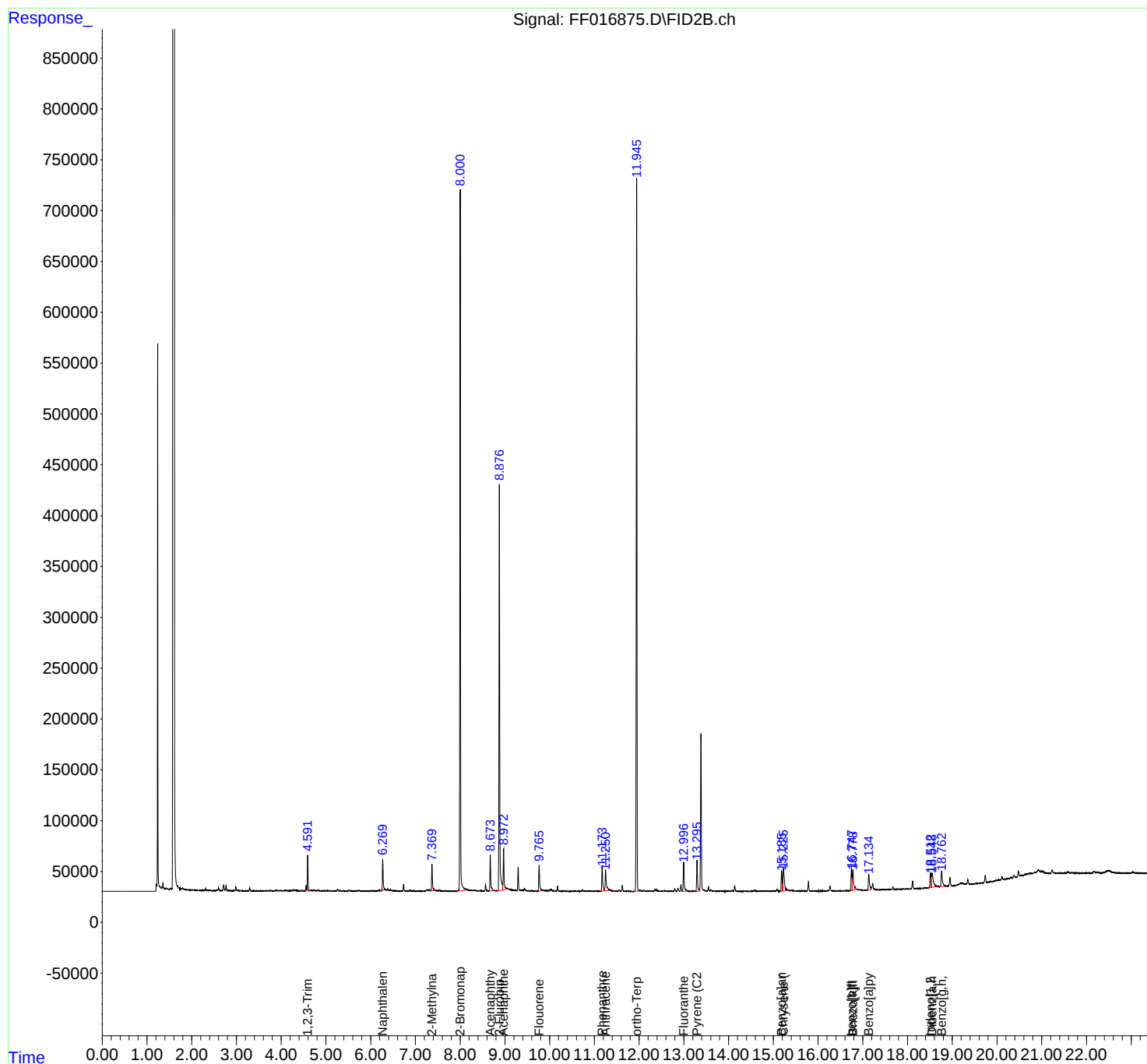
Instrument :
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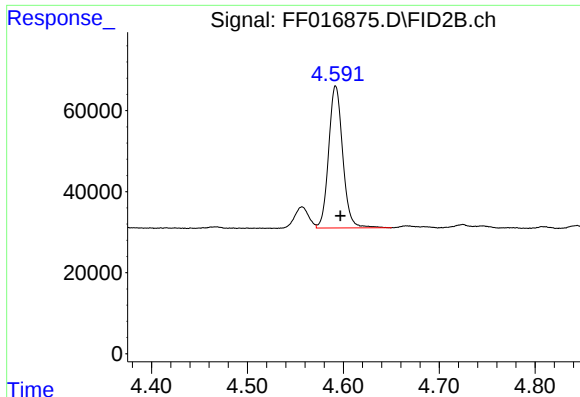
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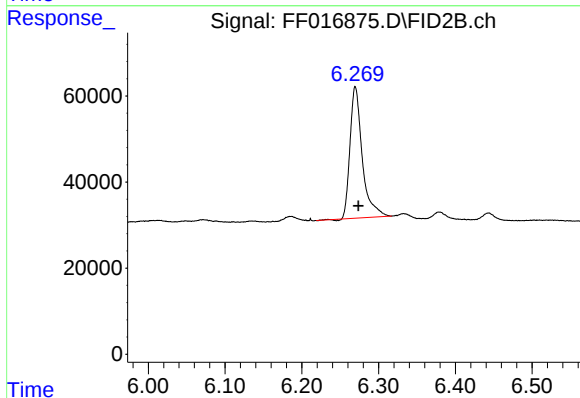
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.592 min
Delta R.T.: -0.005 min
Response: 357172
Conc: 2.60 ug/ml

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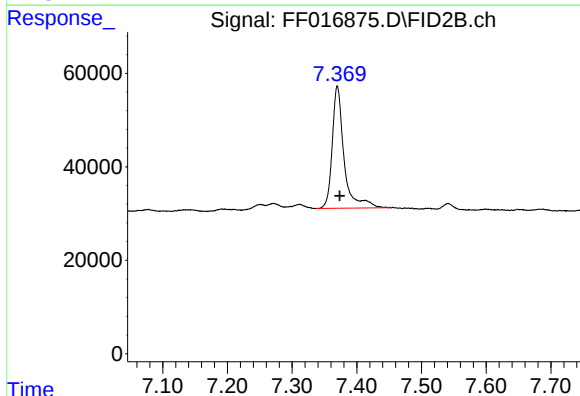
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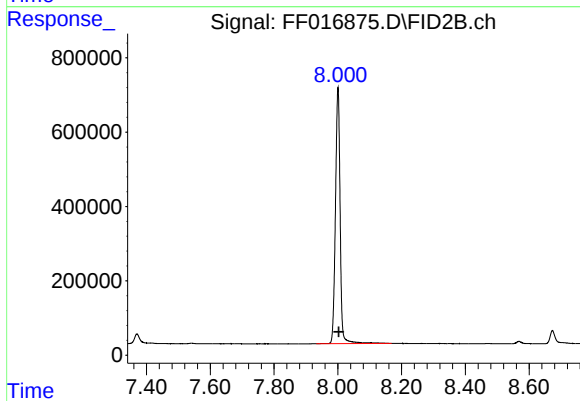
#2 Naphthalene (C11.7)

R.T.: 6.270 min
Delta R.T.: -0.004 min
Response: 339128
Conc: 2.49 ug/ml



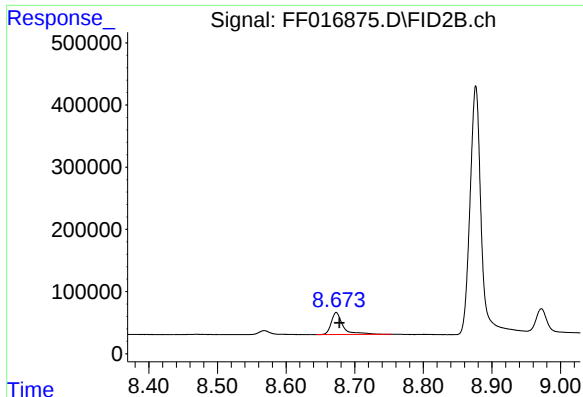
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: -0.003 min
Response: 332415
Conc: 2.46 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.000 min
Delta R.T.: -0.003 min
Response: 7045863
Conc: 61.45 ug/ml



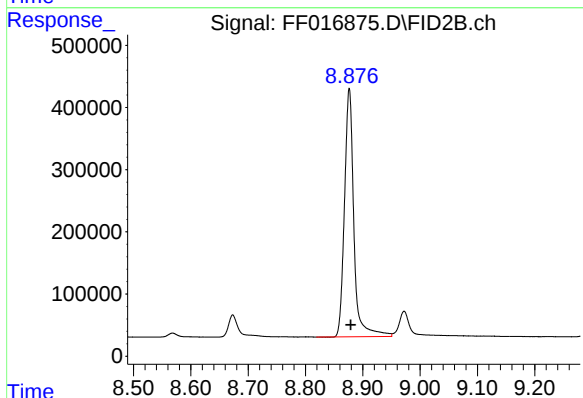
#5 Acenaphthylene (C15.06)

R.T.: 8.673 min
Delta R.T.: -0.004 min
Response: 426087
Conc: 3.11 ug/ml

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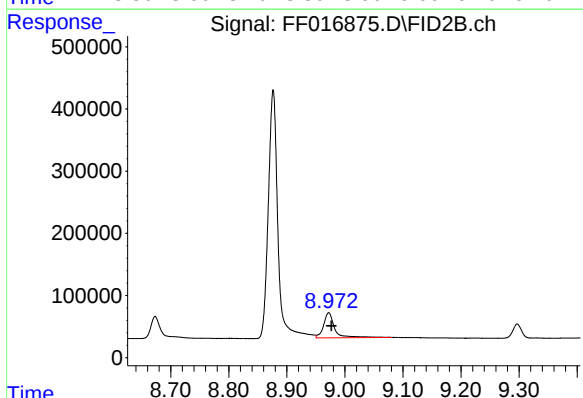
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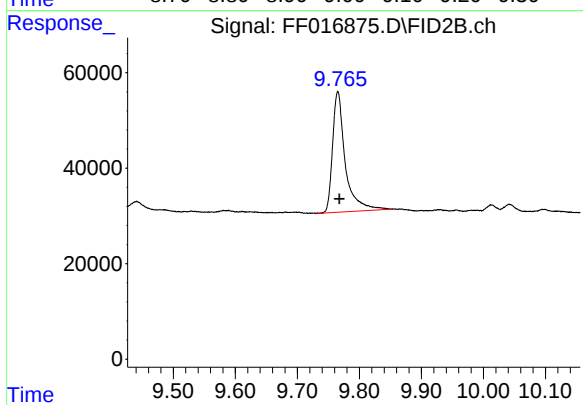
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.876 min
Delta R.T.: -0.003 min
Response: 4550881
Conc: 64.20 ug/ml



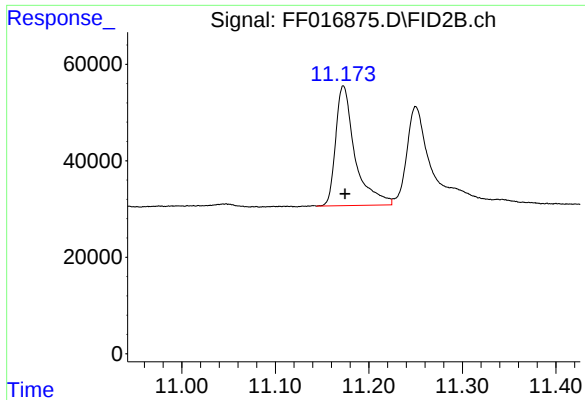
#7 Acenaphthene (C15.5)

R.T.: 8.972 min
Delta R.T.: -0.005 min
Response: 536767
Conc: 3.74 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.765 min
Delta R.T.: -0.002 min
Response: 358702
Conc: 2.70 ug/ml



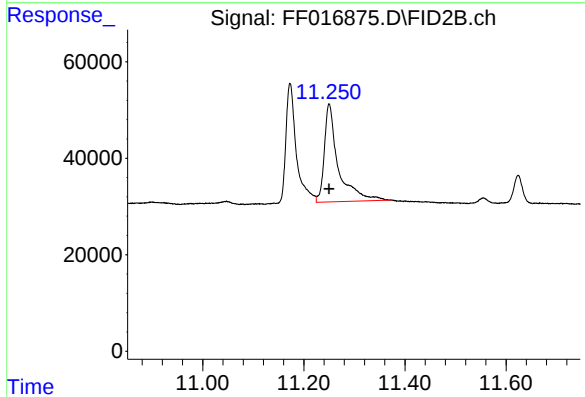
#9 Phenanthrene (C19.36)

R.T.: 11.173 min
Delta R.T.: -0.002 min
Response: 357167
Conc: 2.75 ug/ml

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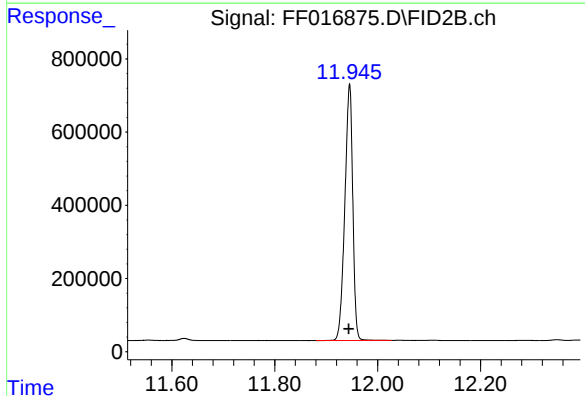
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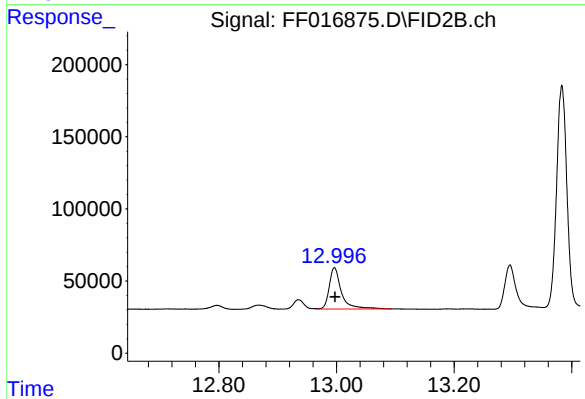
#10 Anthracene (C19.43)

R.T.: 11.250 min
Delta R.T.: 0.000 min
Response: 390843
Conc: 3.07 ug/ml



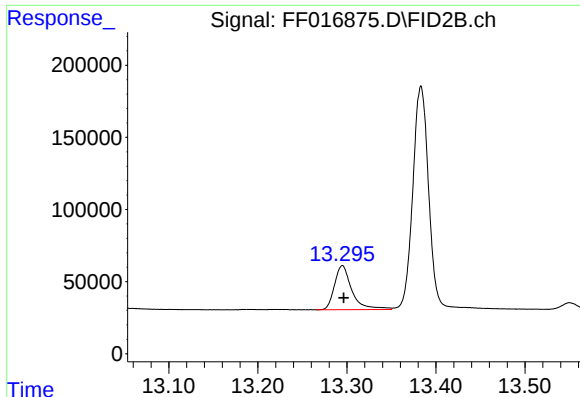
#11 ortho-Terphenyl (SURR)

R.T.: 11.945 min
Delta R.T.: 0.001 min
Response: 7502083
Conc: 50.98 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.997 min
Delta R.T.: -0.001 min
Response: 414699
Conc: 3.16 ug/ml



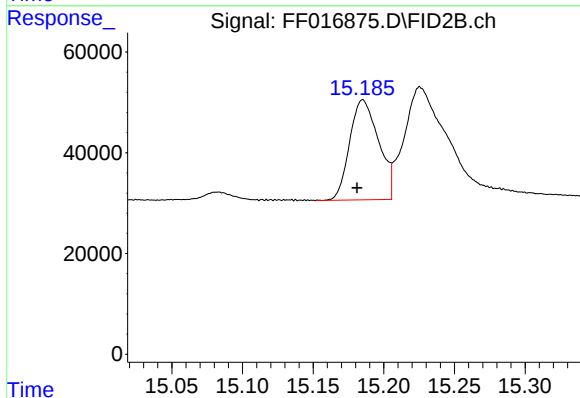
#13 Pyrene (C20.8)

R.T.: 13.295 min
Delta R.T.: -0.001 min
Response: 415371
Conc: 3.15 ug/ml

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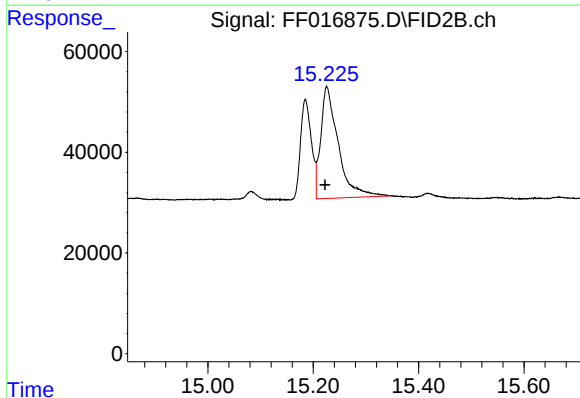
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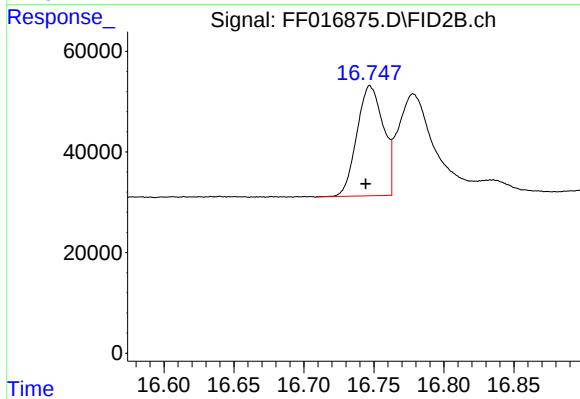
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.185 min
Delta R.T.: 0.004 min
Response: 283319
Conc: 2.63 ug/ml



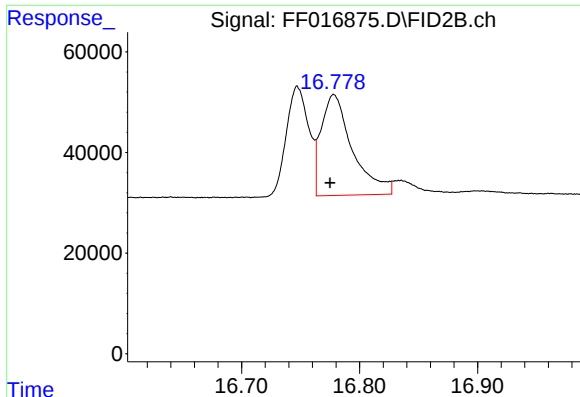
#15 Chrysene (C27.41)

R.T.: 15.226 min
Delta R.T.: 0.004 min
Response: 510703
Conc: 3.69 ug/ml



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

R.T.: 16.747 min
Delta R.T.: 0.003 min
Response: 287720
Conc: 2.44 ug/ml



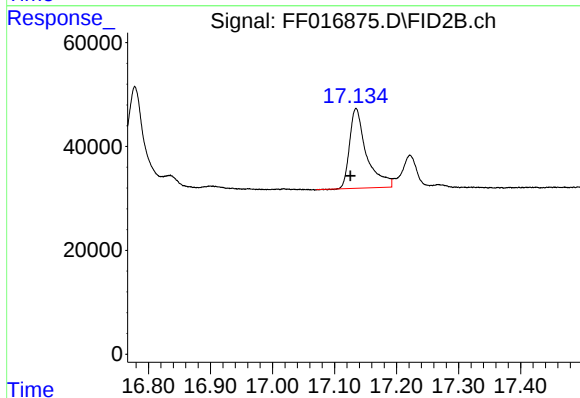
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.778 min
Delta R.T.: 0.003 min
Response: 366907
Conc: 2.85 ug/ml

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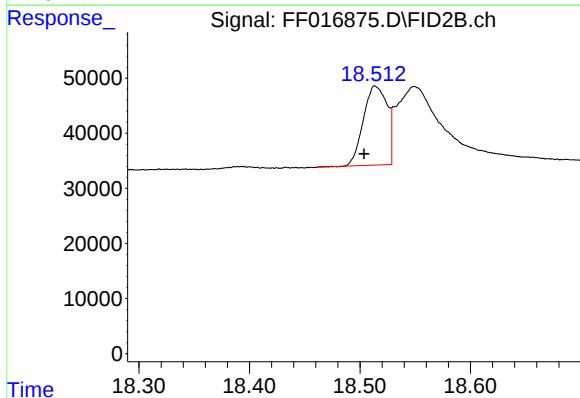
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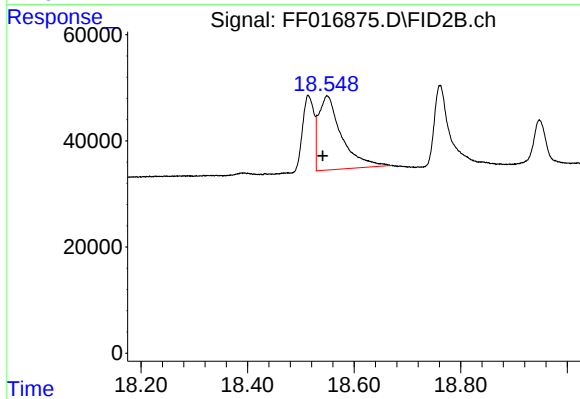
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.135 min
Delta R.T.: 0.009 min
Response: 291683
Conc: 2.42 ug/ml



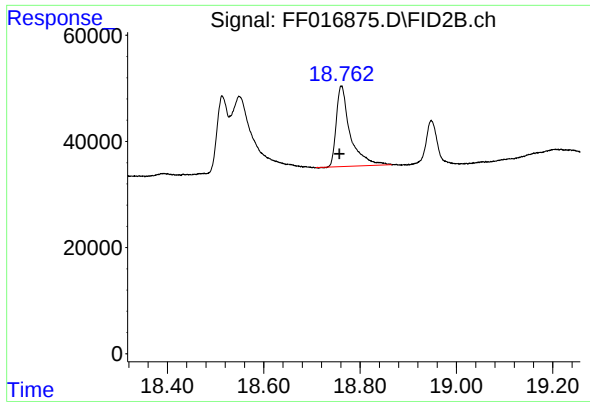
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.514 min
Delta R.T.: 0.011 min
Response: 213608
Conc: 2.16 ug/ml



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

R.T.: 18.550 min
Delta R.T.: 0.008 min
Response: 418313
Conc: 2.65 ug/ml



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

R.T.: 18.761 min
Delta R.T.: 0.004 min
Response: 304891
Conc: 2.40 ug/ml

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