

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051024AR\
 Data File : FD047704.D
 Signal(s) : FID2B.ch
 Acq On : 10 May 2024 15:48
 Operator : YP/AJ
 Sample : P2403-01
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:55:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 2024
 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...	7.463	8001301	51.019 ug/ml
Spiked Amount 50.000		Recovery =	102.04%
6) S 2-Fluorobiphenyl (SURR)	8.316	4998782	47.788 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	95.58%
11) S ortho-Terphenyl (SURR)	11.358	7886594	42.054 ug/ml
Spiked Amount 50.000		Recovery =	84.11%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.274	315328	1.950 ug/ml
2) T Naphthalene (C11.7)	5.800	362552	2.143 ug/mlm
3) T 2-Methylnaphthalene (...)	6.849	387721	2.276 ug/ml
5) T Acenaphthylene (C15.06)	8.117	370485	2.272 ug/mlm
7) T Acenaphthene (C15.5)	8.412	394516	2.347 ug/ml
8) T Flouorene (C16.55)	9.192	402842	2.422 ug/mlm
9) T Phenanthrene (C19.36)	10.581	361902	2.211 ug/mlm
10) T Anthracene (C19.43)	10.658	351386	2.346 ug/ml
12) T Fluoranthene (C21.85)	12.389	372839	2.247 ug/ml
13) T Pyrene (C20.8)	12.682	374510	2.302 ug/mlm
14) T Benzo[a]anthracene (C...	14.554	328025	2.247 ug/mlm
15) T Chrysene (C27.41)	14.593	366787	2.328 ug/mlm
16) T benzo[b]fluoranthene ...	16.099	326689	2.187 ug/ml
17) T Bnezo[k]fluoranthene ...	16.131	358626	2.382 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.480	312226	2.164 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.842	288260	2.124 ug/mlm
20) T Dibenz[a,h]anthracene...	17.886	364619	2.547 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.092	305394	2.224 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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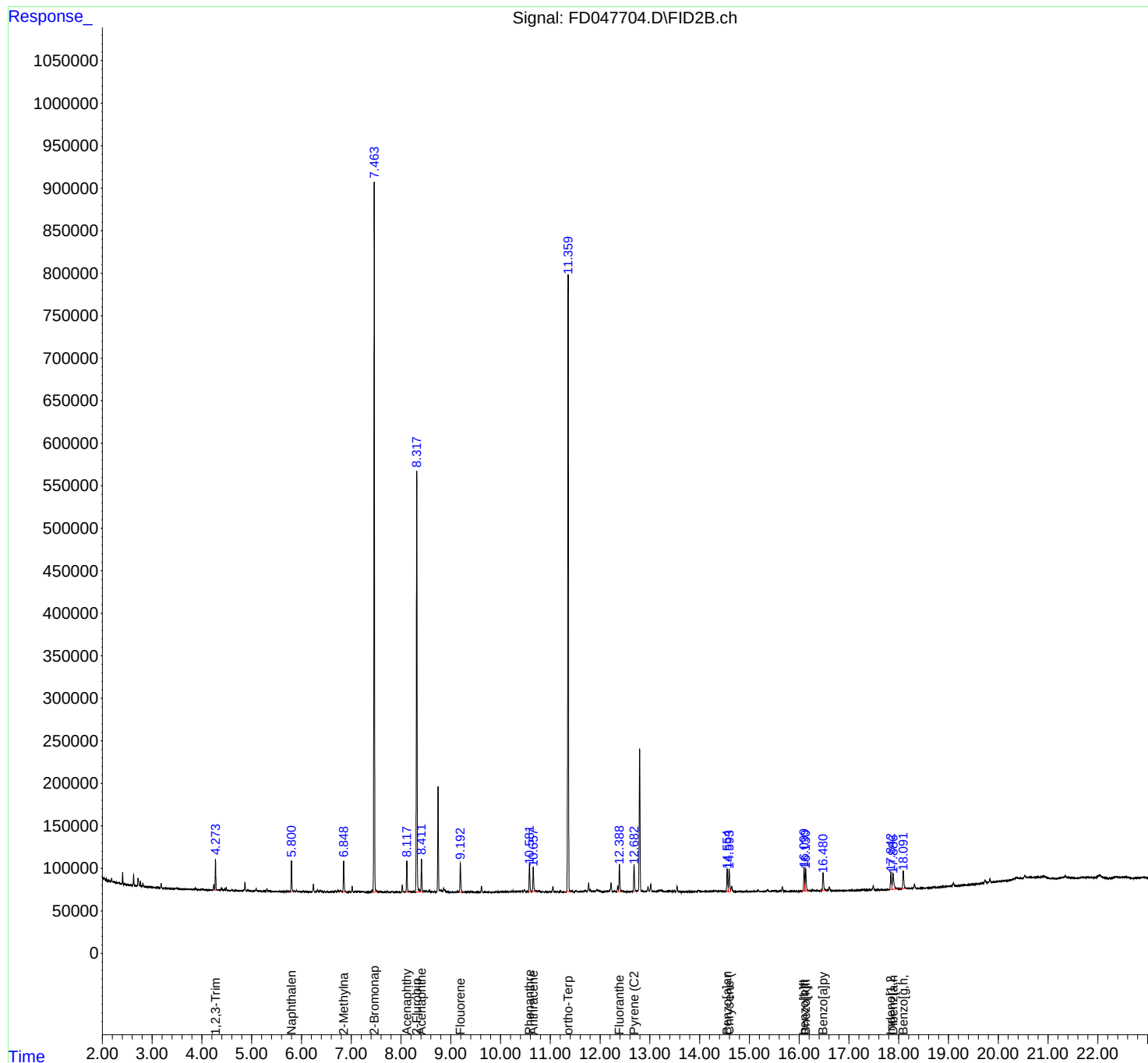
Instrument :
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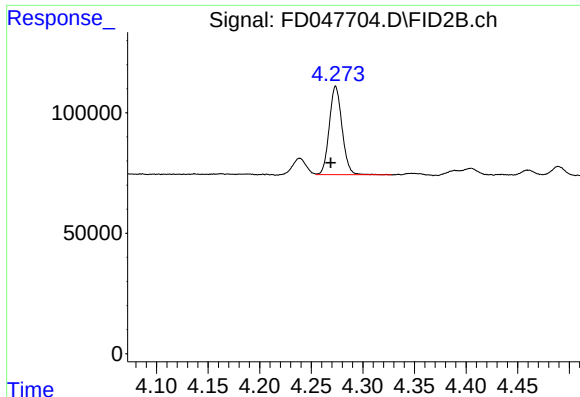
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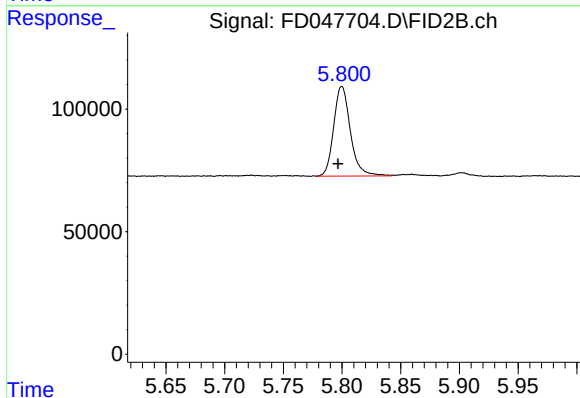
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.274 min
Delta R.T.: 0.005 min
Response: 315328
Conc: 1.95 ug/ml

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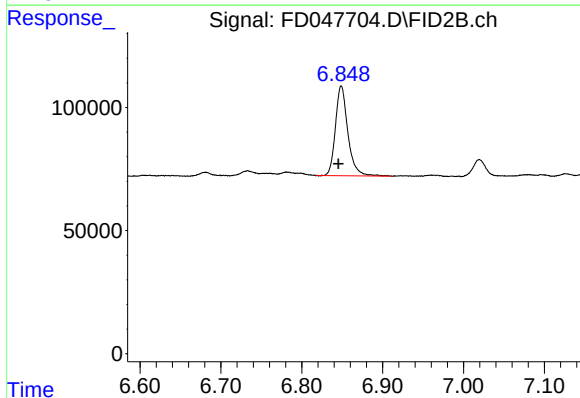
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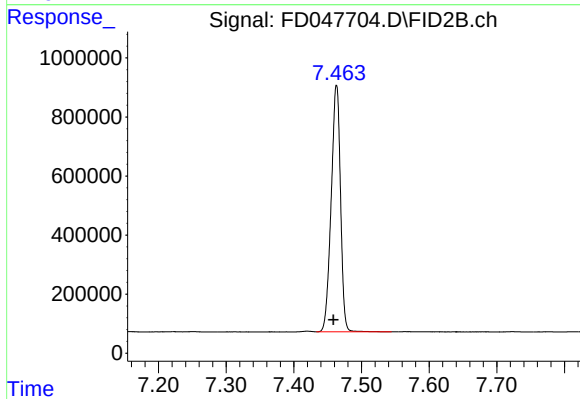
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: 0.003 min
Response: 362552
Conc: 2.14 ug/ml m



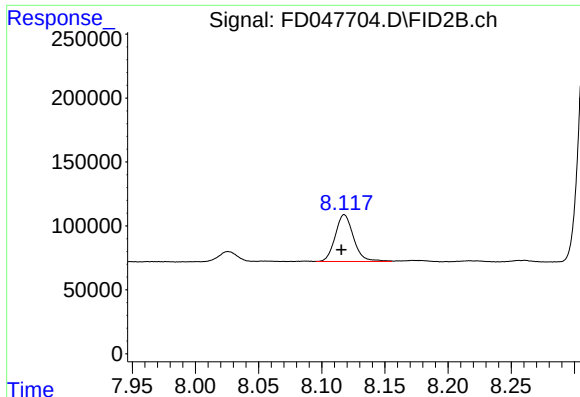
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.849 min
Delta R.T.: 0.004 min
Response: 387721
Conc: 2.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.463 min
Delta R.T.: 0.005 min
Response: 8001301
Conc: 51.02 ug/ml



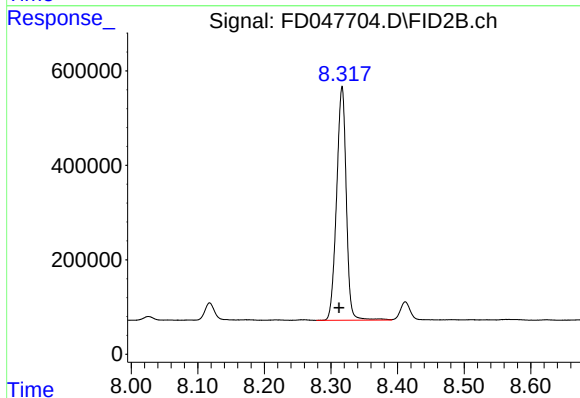
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.002 min
Response: 370485
Conc: 2.27 ug/ml

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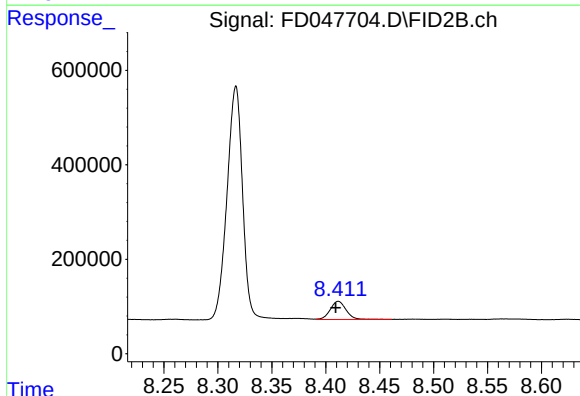
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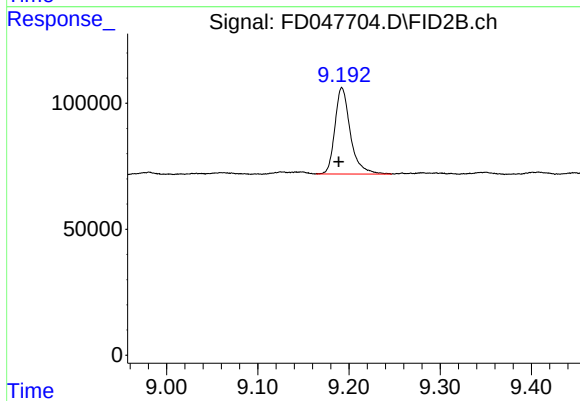
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: 0.004 min
Response: 4998782
Conc: 47.79 ug/ml



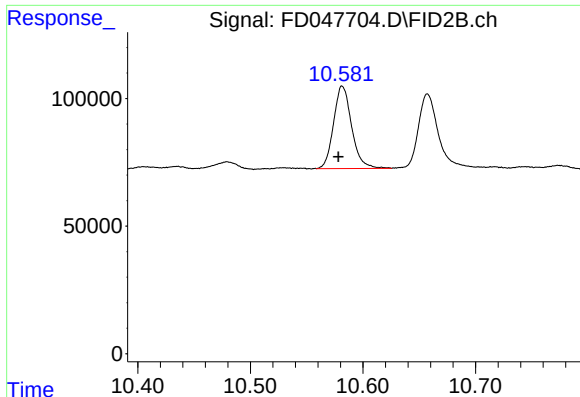
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.002 min
Response: 394516
Conc: 2.35 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.192 min
Delta R.T.: 0.003 min
Response: 402842
Conc: 2.42 ug/ml m



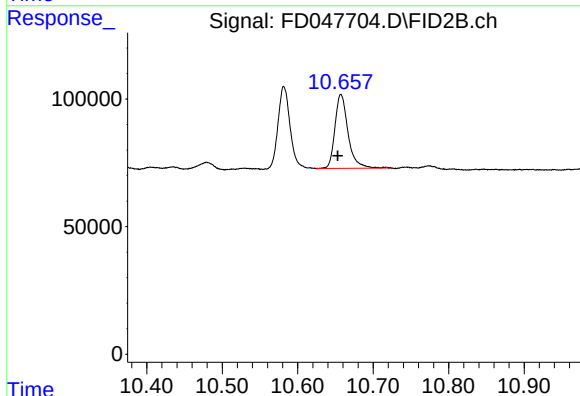
#9 Phenanthrene (C19.36)

R.T.: 10.581 min
Delta R.T.: 0.003 min
Response: 361902
Conc: 2.21 ug/ml

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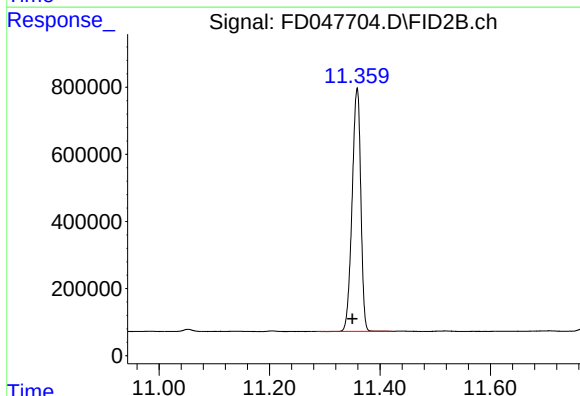
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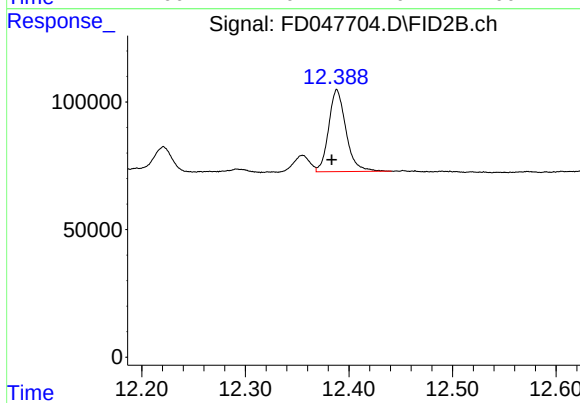
#10 Anthracene (C19.43)

R.T.: 10.658 min
Delta R.T.: 0.004 min
Response: 351386
Conc: 2.35 ug/ml



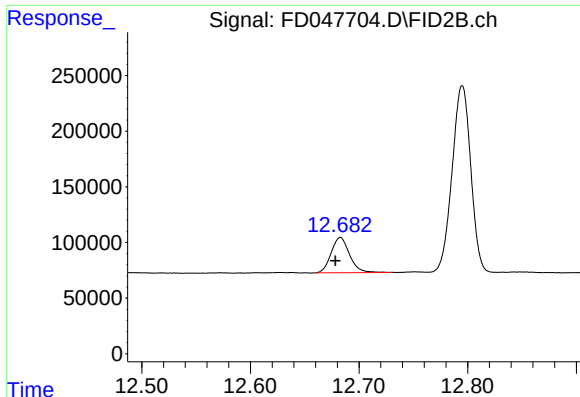
#11 ortho-Terphenyl (SURR)

R.T.: 11.358 min
Delta R.T.: 0.008 min
Response: 7886594
Conc: 42.05 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.389 min
Delta R.T.: 0.005 min
Response: 372839
Conc: 2.25 ug/ml



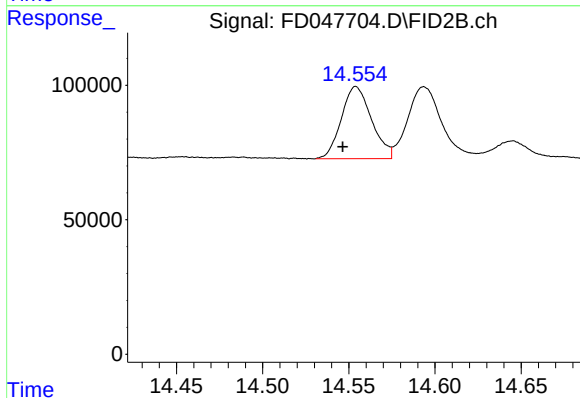
#13 Pyrene (C20.8)

R.T.: 12.682 min
Delta R.T.: 0.004 min
Response: 374510
Conc: 2.30 ug/ml

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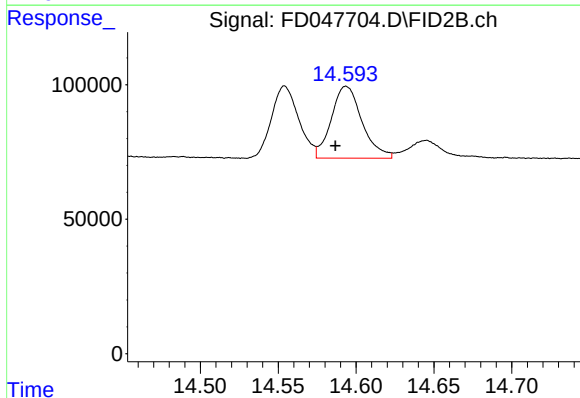
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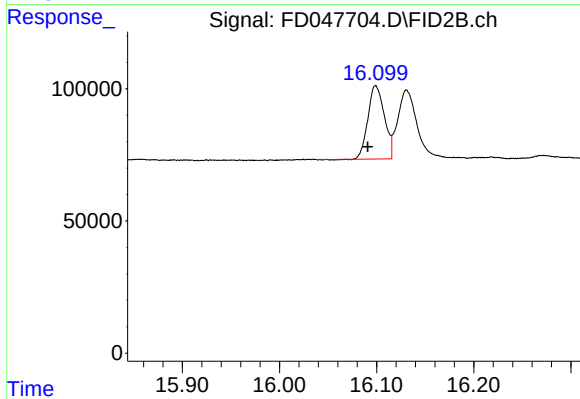
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.554 min
Delta R.T.: 0.007 min
Response: 328025
Conc: 2.25 ug/ml m



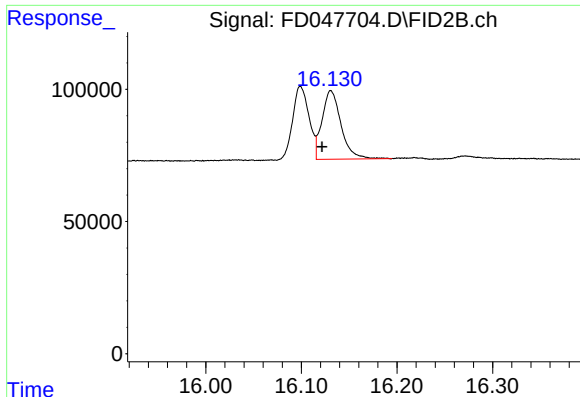
#15 Chrysene (C27.41)

R.T.: 14.593 min
Delta R.T.: 0.007 min
Response: 366787
Conc: 2.33 ug/ml m



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

R.T.: 16.099 min
Delta R.T.: 0.008 min
Response: 326689
Conc: 2.19 ug/ml



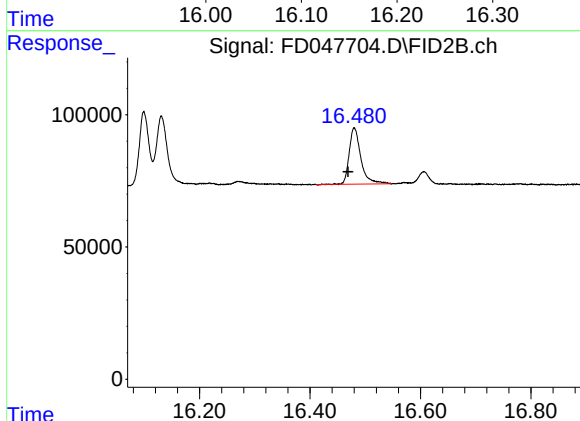
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.131 min
Delta R.T.: 0.010 min
Response: 358626
Conc: 2.38 ug/ml

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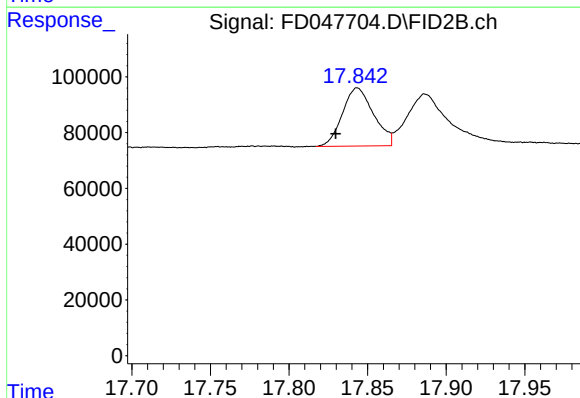
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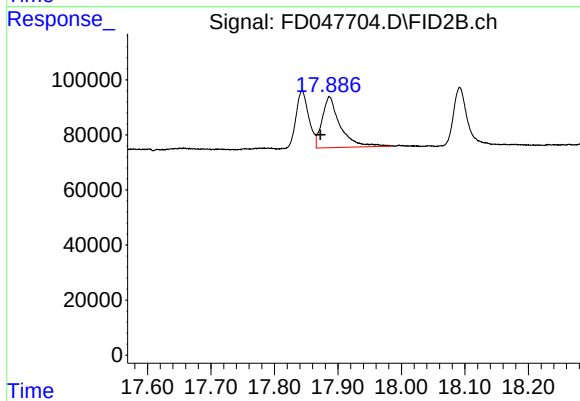
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.480 min
Delta R.T.: 0.011 min
Response: 312226
Conc: 2.16 ug/ml



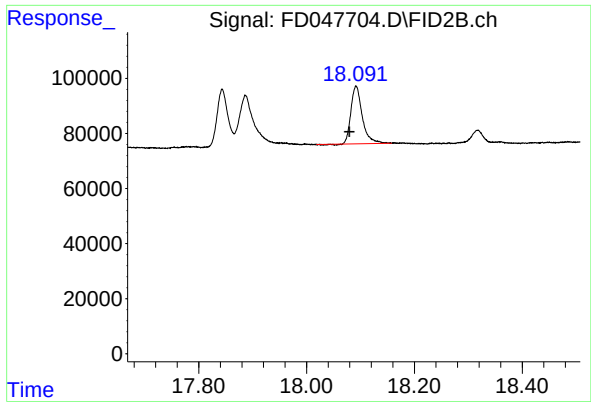
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.842 min
Delta R.T.: 0.013 min
Response: 288260
Conc: 2.12 ug/ml m



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

R.T.: 17.886 min
Delta R.T.: 0.013 min
Response: 364619
Conc: 2.55 ug/ml m



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

R.T.: 18.092 min
Delta R.T.: 0.012 min
Response: 305394
Conc: 2.22 ug/ml

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