

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121523AR\
 Data File : FD047050.D
 Signal(s) : FID2B.ch
 Acq On : 15 Dec 2023 14:07
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2023
 Supervised By :Ankita Jodhani 12/18/2023

Integration File: autoint1.e
 Quant Time: Dec 15 22:34:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:30:33 2023
 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...	7.471	3692556	21.344 ug/ml
Spiked Amount 50.000		Recovery =	42.69%
6) S 2-Fluorobiphenyl (SURR)	8.324	2306985	21.215 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.43%
11) S ortho-Terphenyl (SURR)	11.361	4273025	21.473 ug/ml
Spiked Amount 50.000		Recovery =	42.95%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.287	3960701	21.287 ug/ml
2) T Naphthalene (C11.7)	5.811	4056135	21.300 ug/ml
3) T 2-Methylnaphthalene (...)	6.859	4055007	21.057 ug/ml
5) T Acenaphthylene (C15.06)	8.127	3700094	21.256 ug/ml
7) T Acenaphthene (C15.5)	8.423	3965114	21.381 ug/ml
8) T Fluorene (C16.55)	9.200	3648232	21.135 ug/ml
9) T Phenanthrene (C19.36)	10.588	3455841	21.048 ug/ml
10) T Anthracene (C19.43)	10.663	3134671	20.271 ug/ml
12) T Fluoranthene (C21.85)	12.391	3353209	21.156 ug/ml
13) T Pyrene (C20.8)	12.685	3273199	21.393 ug/ml
14) T Benzo[a]anthracene (C...	14.549	2616266	20.178 ug/ml
15) T Chrysene (C27.41)	14.590	2918604	20.362 ug/mlm
16) T benzo[b]fluoranthene ...	16.090	2804076	20.993 ug/ml
17) T Bnezo[k]fluoranthene ...	16.121	2873835	21.035 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.464	2697572	20.591 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.821	2299729	19.273 ug/ml
20) T Dibenz[a,h]anthracene...	17.862	2334068	17.963 ug/ml
21) T Benzo[g,h,i]perylene ...	18.073	2622734	20.045 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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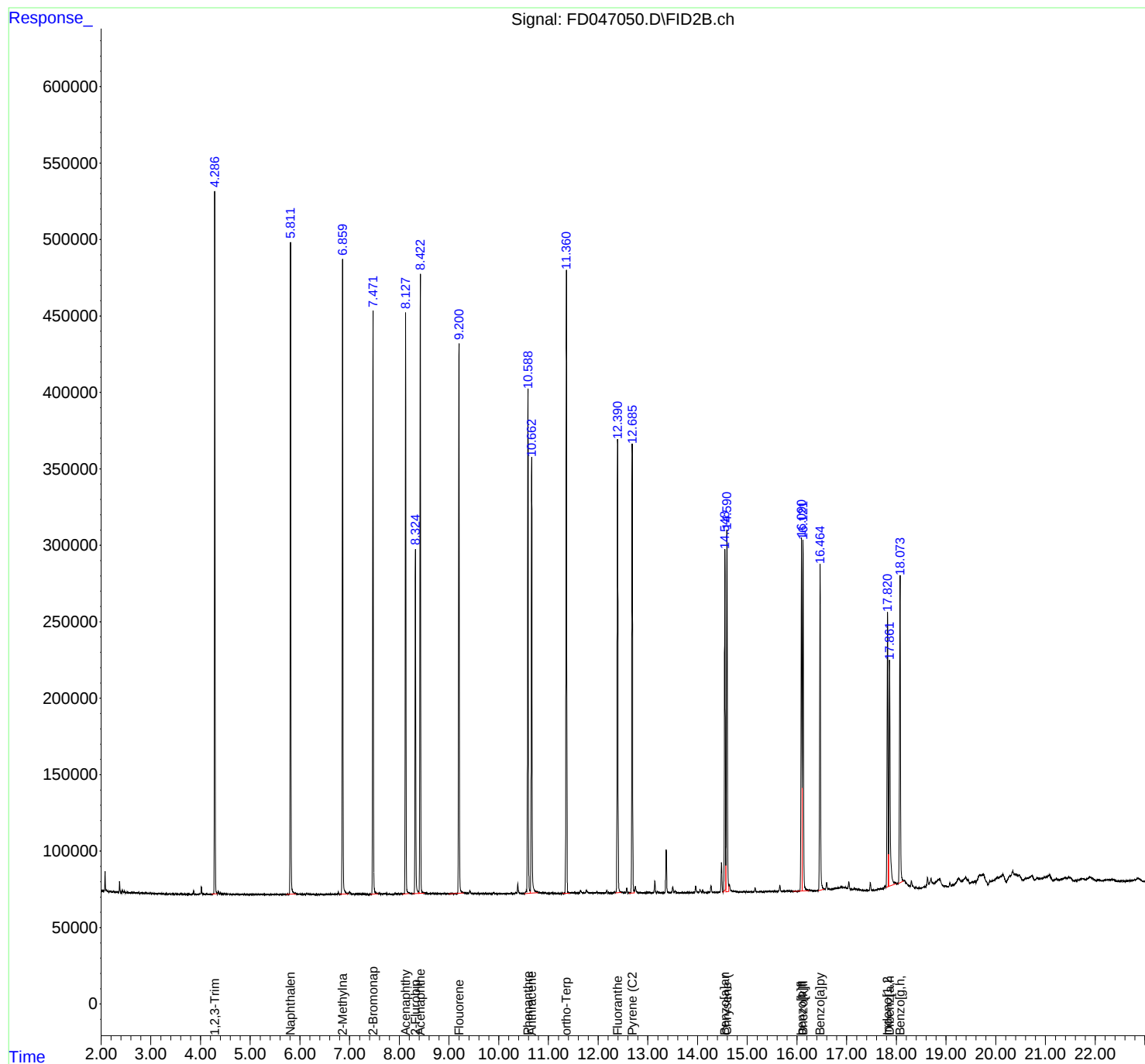
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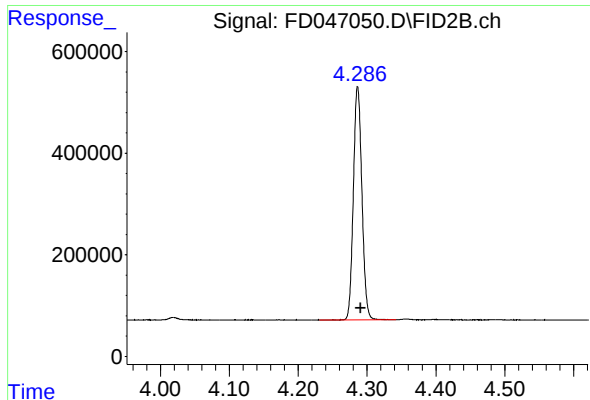
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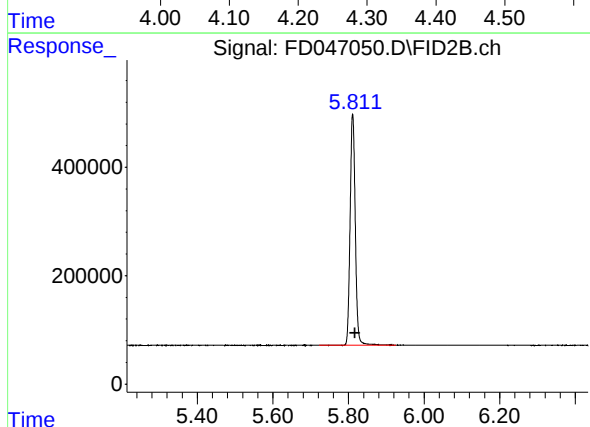
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.287 min
Delta R.T.: -0.004 min
Response: 3960701
Conc: 21.29 ug/ml

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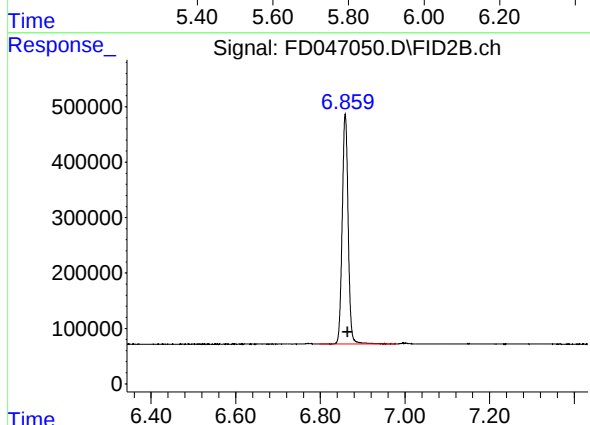
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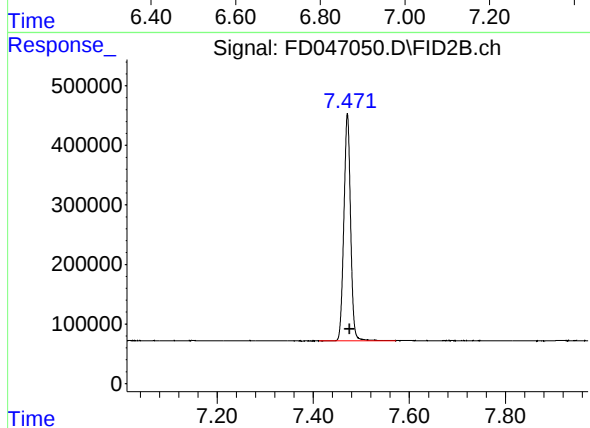
#2 Naphthalene (C11.7)

R.T.: 5.811 min
Delta R.T.: -0.006 min
Response: 4056135
Conc: 21.30 ug/ml



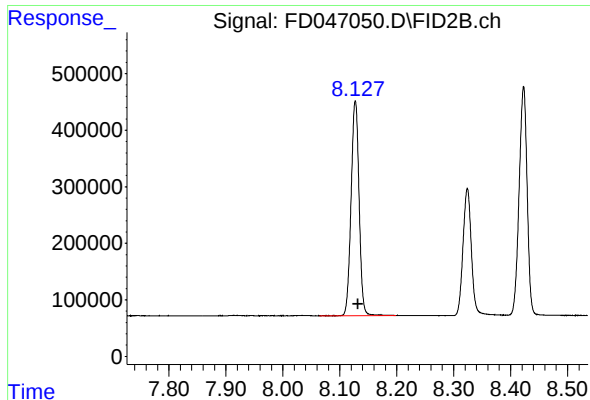
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.859 min
Delta R.T.: -0.005 min
Response: 4055007
Conc: 21.06 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.471 min
Delta R.T.: -0.005 min
Response: 3692556
Conc: 21.34 ug/ml



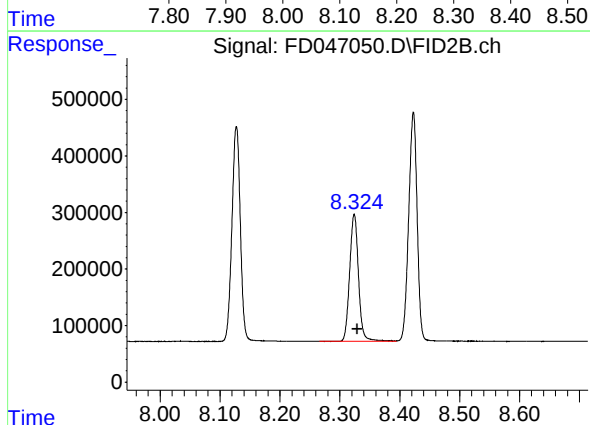
#5 Acenaphthylene (C15.06)

R.T.: 8.127 min
Delta R.T.: -0.005 min
Response: 3700094
Conc: 21.26 ug/ml

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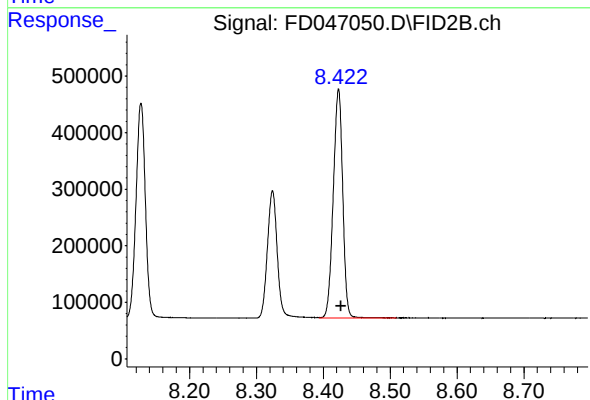
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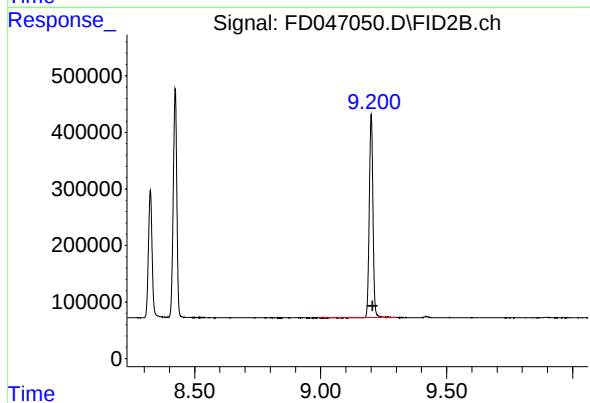
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.324 min
Delta R.T.: -0.006 min
Response: 2306985
Conc: 21.22 ug/ml



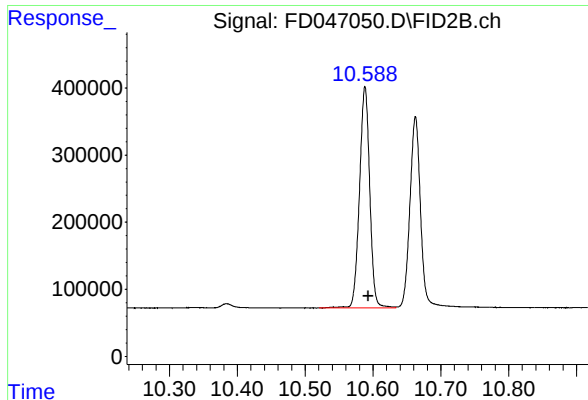
#7 Acenaphthene (C15.5)

R.T.: 8.423 min
Delta R.T.: -0.004 min
Response: 3965114
Conc: 21.38 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.200 min
Delta R.T.: -0.006 min
Response: 3648232
Conc: 21.14 ug/ml



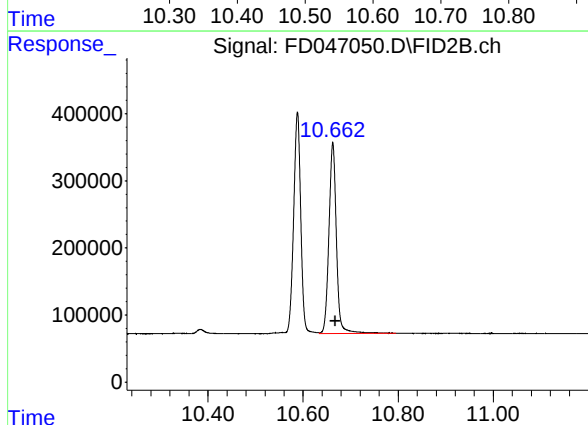
#9 Phenanthrene (C19.36)

R.T.: 10.588 min
Delta R.T.: -0.005 min
Response: 3455841
Conc: 21.05 ug/ml

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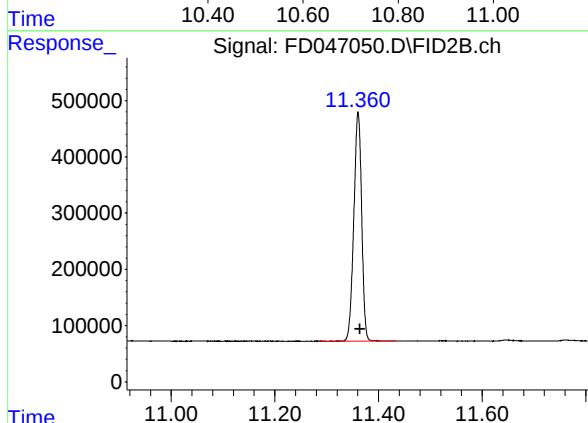
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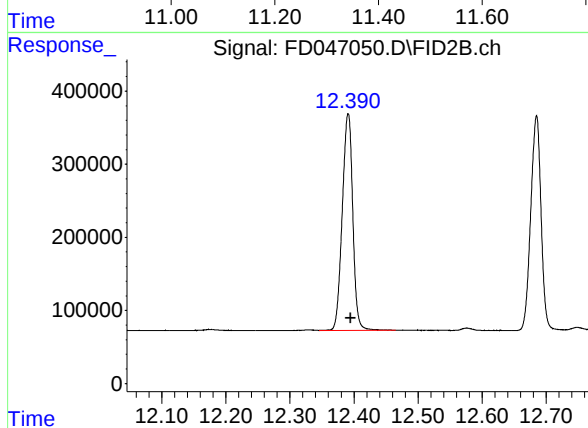
#10 Anthracene (C19.43)

R.T.: 10.663 min
Delta R.T.: -0.005 min
Response: 3134671
Conc: 20.27 ug/ml



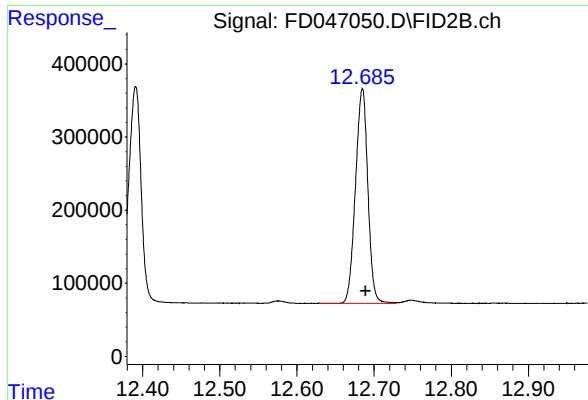
#11 ortho-Terphenyl (SURR)

R.T.: 11.361 min
Delta R.T.: -0.004 min
Response: 4273025
Conc: 21.47 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.391 min
Delta R.T.: -0.004 min
Response: 3353209
Conc: 21.16 ug/ml



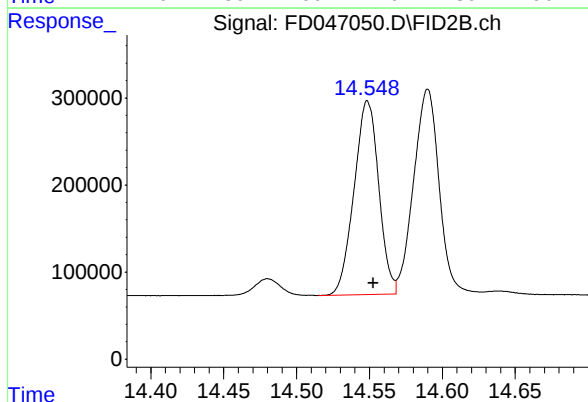
#13 Pyrene (C20.8)

R.T.: 12.685 min
Delta R.T.: -0.005 min
Response: 3273199
Conc: 21.39 ug/ml

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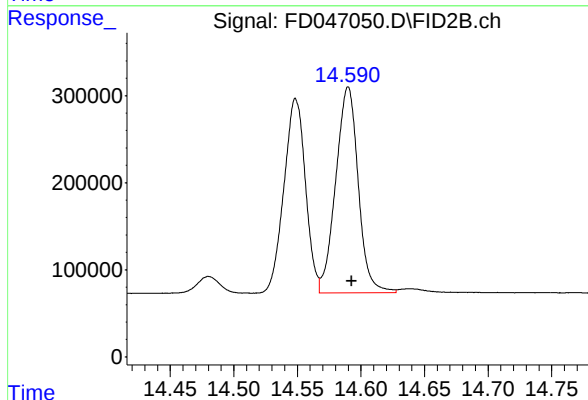
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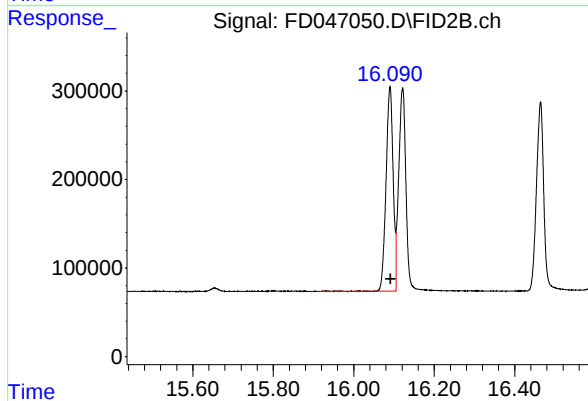
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.549 min
Delta R.T.: -0.004 min
Response: 2616266
Conc: 20.18 ug/ml



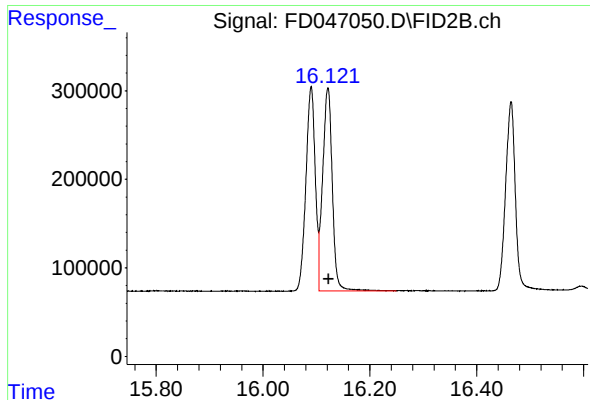
#15 Chrysene (C27.41)

R.T.: 14.590 min
Delta R.T.: -0.003 min
Response: 2918604
Conc: 20.36 ug/ml m



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

R.T.: 16.090 min
Delta R.T.: -0.002 min
Response: 2804076
Conc: 20.99 ug/ml



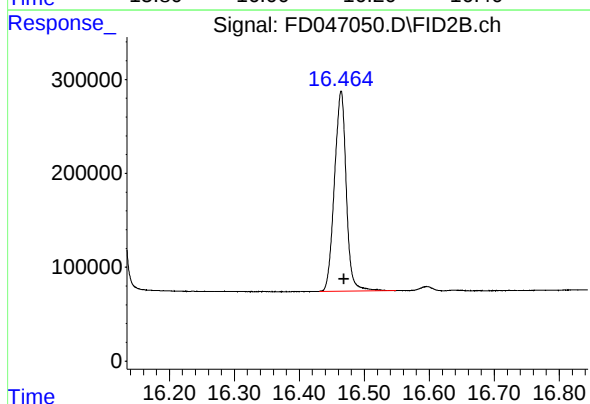
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.121 min
Delta R.T.: -0.002 min
Response: 2873835
Conc: 21.03 ug/ml

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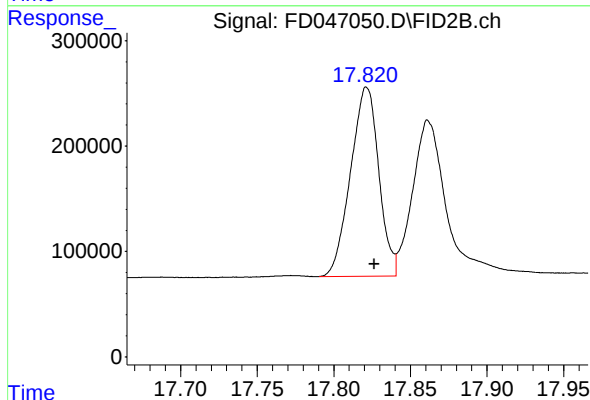
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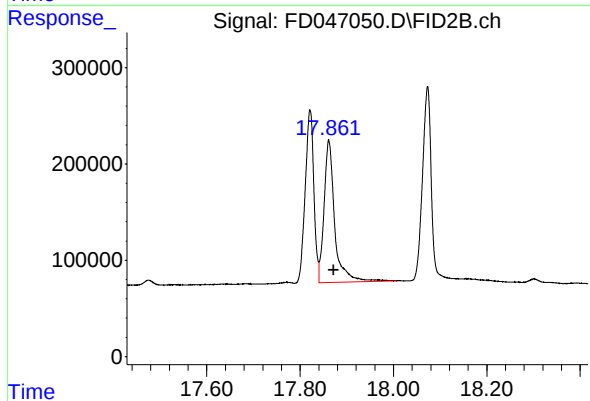
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.464 min
Delta R.T.: -0.005 min
Response: 2697572
Conc: 20.59 ug/ml



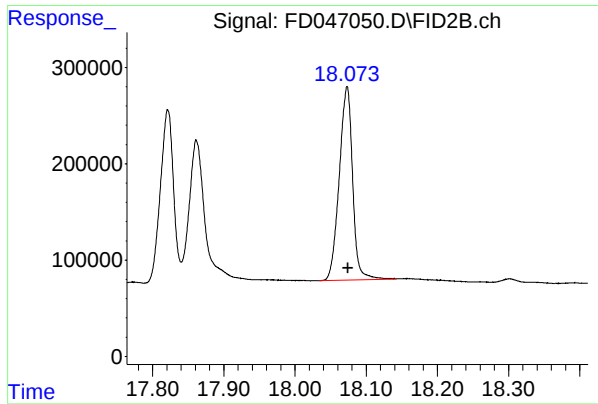
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.821 min
Delta R.T.: -0.005 min
Response: 2299729
Conc: 19.27 ug/ml



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

R.T.: 17.862 min
Delta R.T.: -0.010 min
Response: 2334068
Conc: 17.96 ug/ml



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

R.T.: 18.073 min
Delta R.T.: -0.001 min
Response: 2622734
Conc: 20.05 ug/ml

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