

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022724AR\
 Data File : FD047364.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2024 06:22
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2024
 Supervised By :Ankita Jodhani 02/28/2024

Integration File: autoint1.e
 Quant Time: Feb 28 06:36:00 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:43:49 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	3231920	21.229 ug/ml
Spiked Amount 50.000		Recovery =	42.46%
6) S 2-Fluorobiphenyl (SURR)	8.315	2145616	21.227 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.45%
11) S ortho-Terphenyl (SURR)	11.352	3746937	21.245 ug/ml
Spiked Amount 50.000		Recovery =	42.49%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.278	3319945	21.059 ug/ml
2) T Naphthalene (C11.7)	5.803	3510390	21.122 ug/ml
3) T 2-Methylnaphthalene (...)	6.851	3554108	21.075 ug/ml
5) T Acenaphthylene (C15.06)	8.118	3247150	21.097 ug/ml
7) T Acenaphthene (C15.5)	8.414	3454312	20.957 ug/ml
8) T Flouorene (C16.55)	9.192	3387572	21.366 ug/ml
9) T Phenanthrene (C19.36)	10.580	3274868	21.080 ug/mlm
10) T Anthracene (C19.43)	10.654	2677951	18.160 ug/ml
12) T Fluoranthene (C21.85)	12.383	3301195	21.321 ug/ml
13) T Pyrene (C20.8)	12.677	3161018	21.013 ug/ml
14) T Benzo[a]anthracene (C...	14.542	2825434	21.019 ug/ml
15) T Chrysene (C27.41)	14.584	3038241	20.748 ug/mlm
16) T benzo[b]fluoranthene ...	16.084	2903962	21.091 ug/ml
17) T Bnezo[k]fluoranthene ...	16.117	2959854	21.331 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.459	2813332	20.782 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.818	2700803	21.393 ug/ml
20) T Dibenz[a,h]anthracene...	17.858	2874011	21.570 ug/ml
21) T Benzo[g,h,i]perylene ...	18.069	2804719	21.153 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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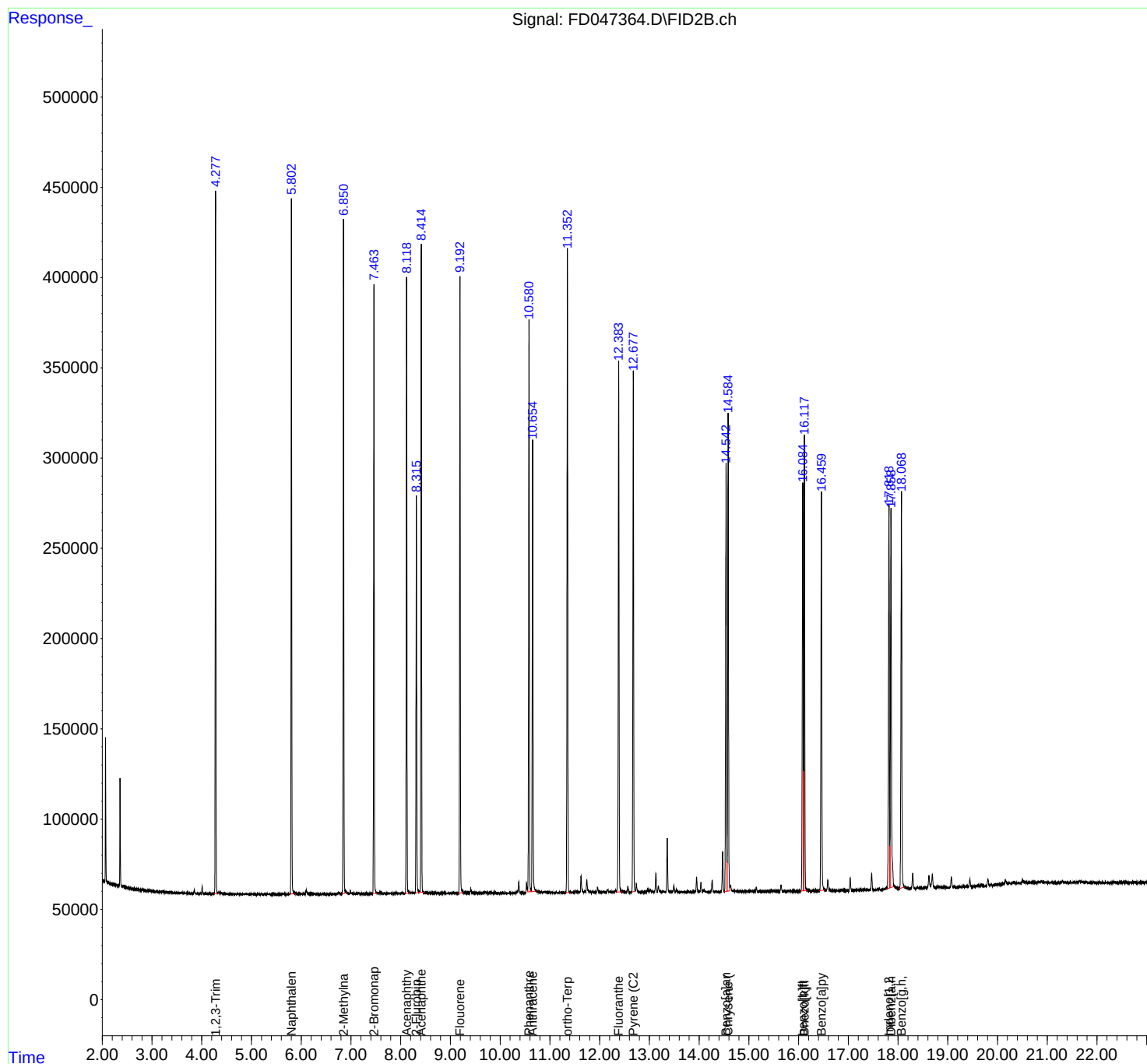
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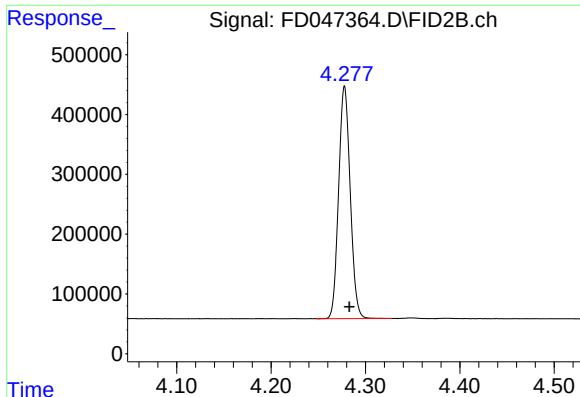
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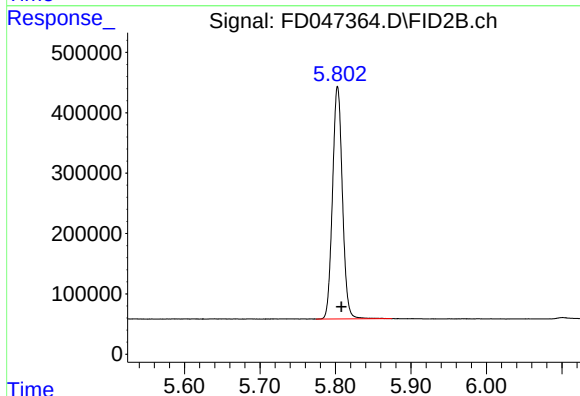
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min
Delta R.T.: -0.005 min
Response: 3319945
Conc: 21.06 ug/ml

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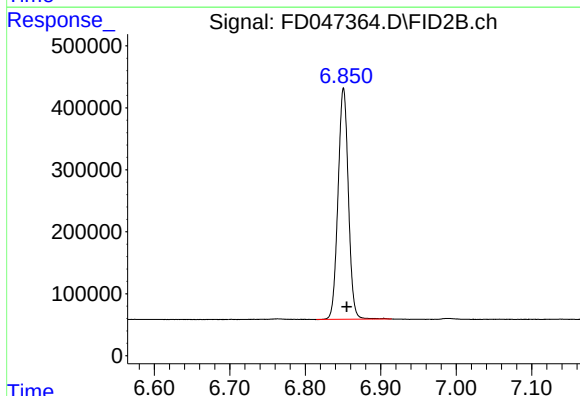
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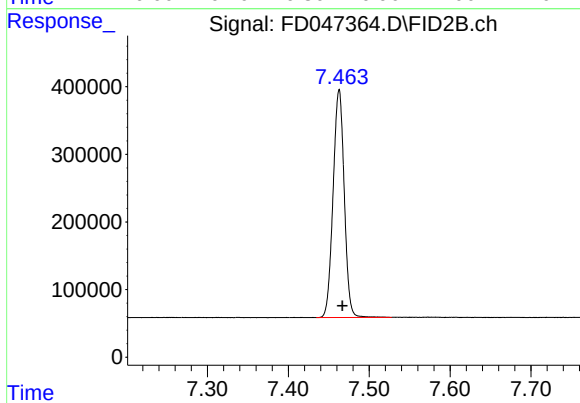
#2 Naphthalene (C11.7)

R.T.: 5.803 min
Delta R.T.: -0.005 min
Response: 3510390
Conc: 21.12 ug/ml



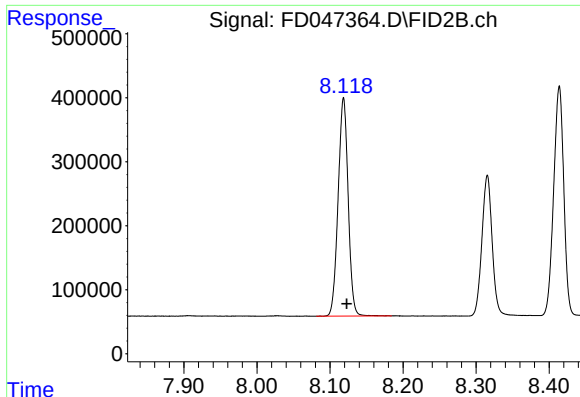
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min
Delta R.T.: -0.004 min
Response: 3554108
Conc: 21.07 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.463 min
Delta R.T.: -0.004 min
Response: 3231920
Conc: 21.23 ug/ml



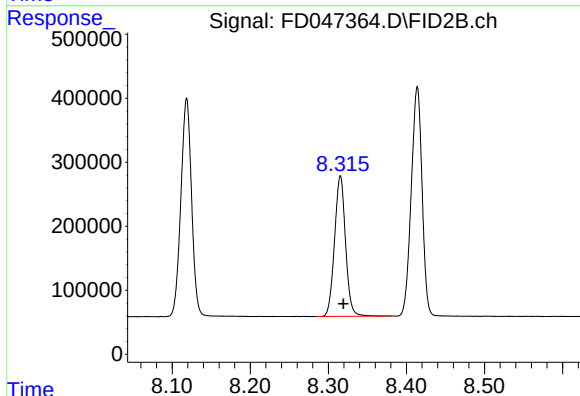
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: -0.004 min
Response: 3247150
Conc: 21.10 ug/ml

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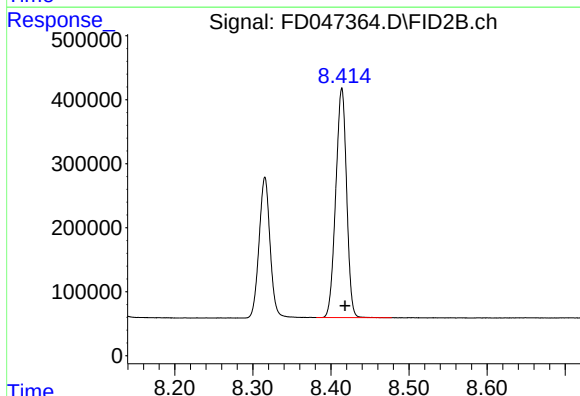
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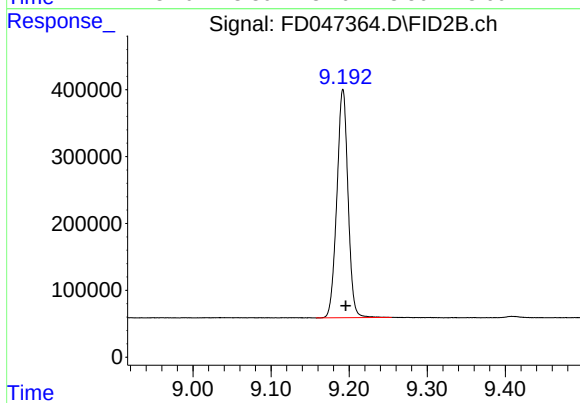
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.315 min
Delta R.T.: -0.004 min
Response: 2145616
Conc: 21.23 ug/ml



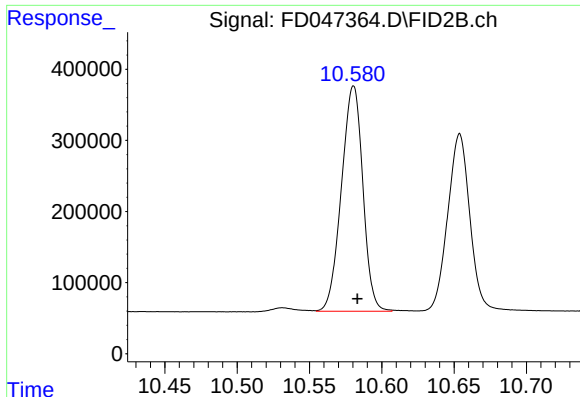
#7 Acenaphthene (C15.5)

R.T.: 8.414 min
Delta R.T.: -0.004 min
Response: 3454312
Conc: 20.96 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.192 min
Delta R.T.: -0.004 min
Response: 3387572
Conc: 21.37 ug/ml



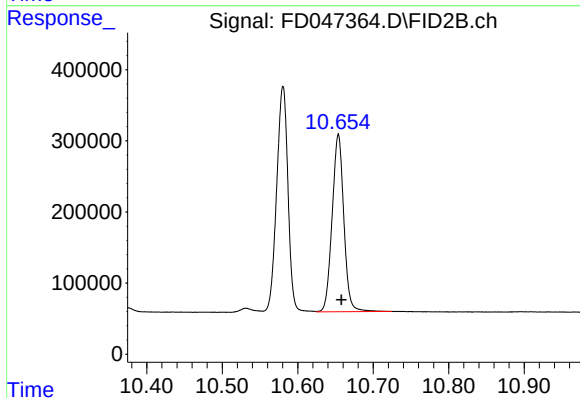
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: -0.003 min
Response: 3274868
Conc: 21.08 ug/ml

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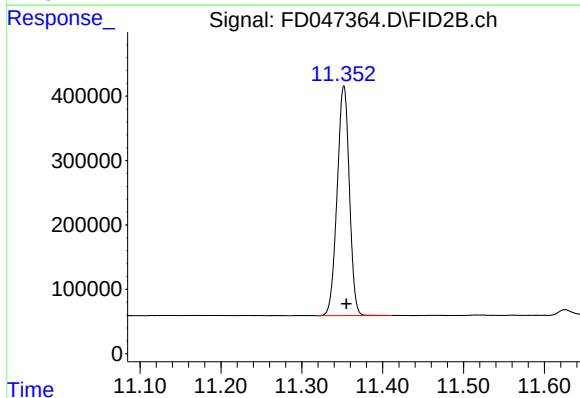
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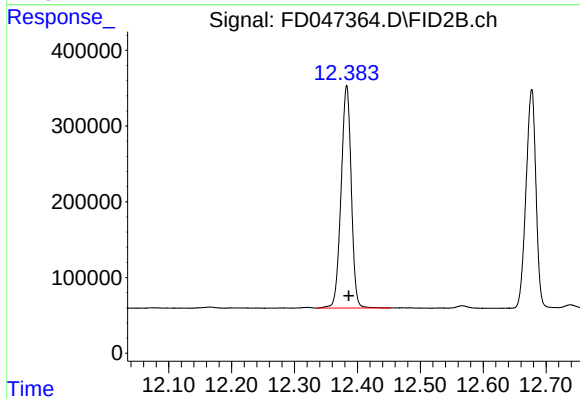
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: -0.004 min
Response: 2677951
Conc: 18.16 ug/ml



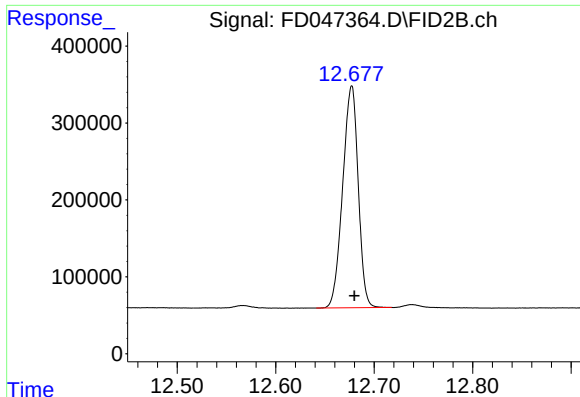
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: -0.003 min
Response: 3746937
Conc: 21.24 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: -0.003 min
Response: 3301195
Conc: 21.32 ug/ml



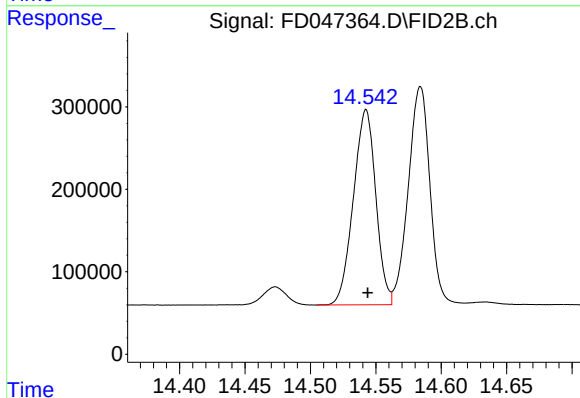
#13 Pyrene (C20.8)

R.T.: 12.677 min
Delta R.T.: -0.003 min
Response: 3161018
Conc: 21.01 ug/ml

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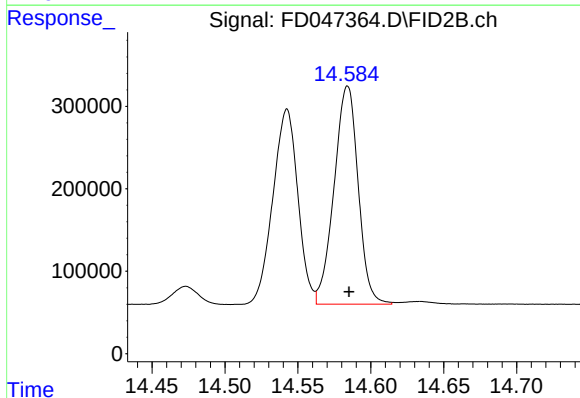
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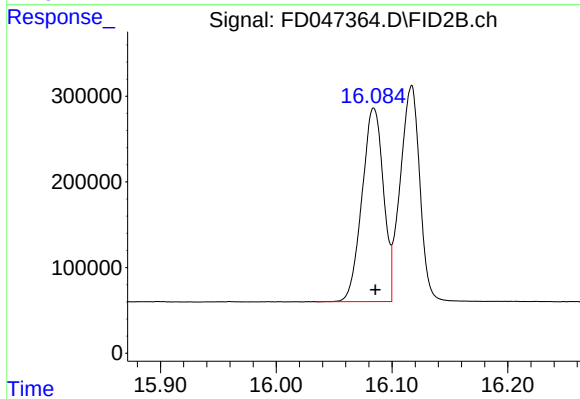
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.542 min
Delta R.T.: -0.001 min
Response: 2825434
Conc: 21.02 ug/ml



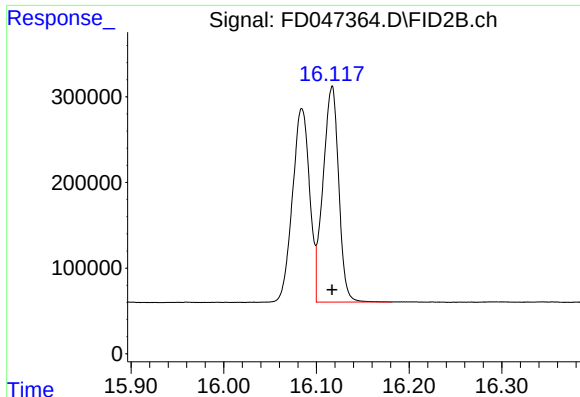
#15 Chrysene (C27.41)

R.T.: 14.584 min
Delta R.T.: -0.001 min
Response: 3038241
Conc: 20.75 ug/ml m



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

R.T.: 16.084 min
Delta R.T.: -0.001 min
Response: 2903962
Conc: 21.09 ug/ml



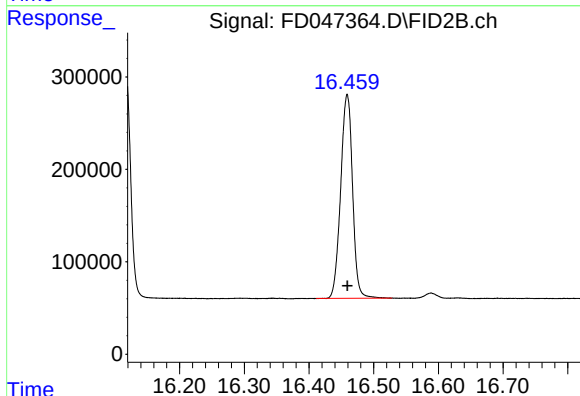
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.117 min
Delta R.T.: 0.000 min
Response: 2959854
Conc: 21.33 ug/ml

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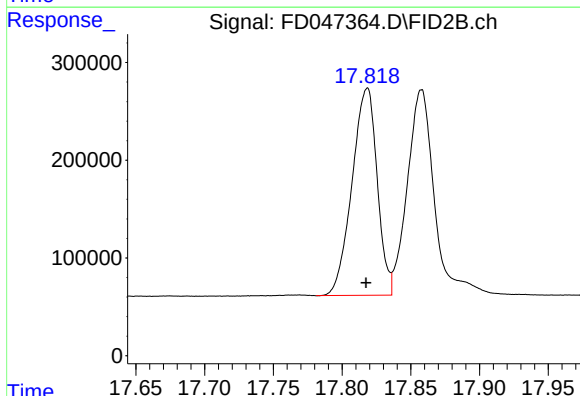
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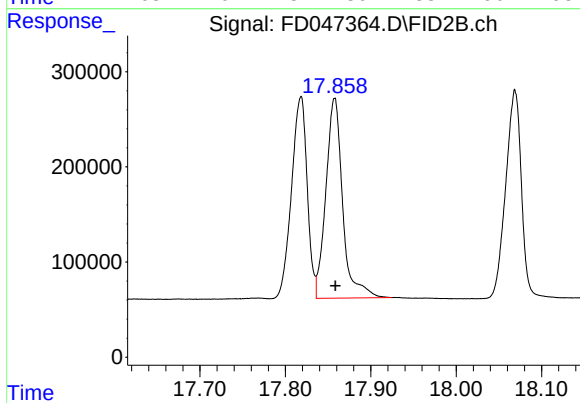
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.459 min
Delta R.T.: 0.000 min
Response: 2813332
Conc: 20.78 ug/ml



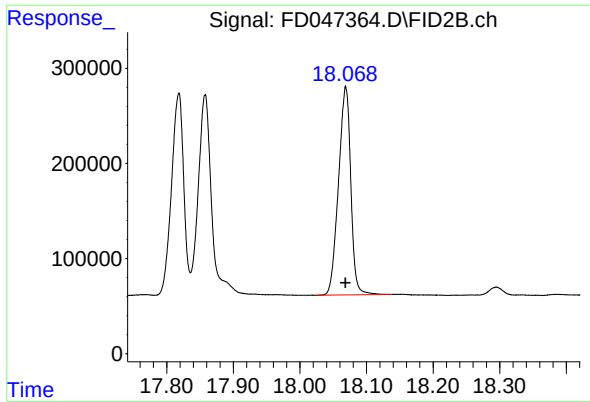
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.818 min
Delta R.T.: 0.000 min
Response: 2700803
Conc: 21.39 ug/ml



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

R.T.: 17.858 min
Delta R.T.: -0.001 min
Response: 2874011
Conc: 21.57 ug/ml



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

R.T.: 18.069 min
Delta R.T.: 0.000 min
Response: 2804719
Conc: 21.15 ug/ml

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