

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022624AR\
 Data File : FD047332.D
 Signal(s) : FID2B.ch
 Acq On : 27 Feb 2024 07:46
 Operator : YP/AJ
 Sample : P1538-08MS
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

20241101-COMPOSITE-35N-N-4-06MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :Ankita Jodhani 02/27/2024

Integration File: autoint1.e

Quant Time: Feb 27 08:26:00 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...	7.462	6566394	43.131 ug/ml
Spiked Amount 50.000		Recovery =	86.26%
6) S 2-Fluorobiphenyl (SURR)	8.314	3940594	38.985 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	77.97%
11) S ortho-Terphenyl (SURR)	11.352	5132144	29.099 ug/ml
Spiked Amount 50.000		Recovery =	58.20%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	5634506	35.741 ug/ml
2) T Naphthalene (C11.7)	5.800	6957050	41.860 ug/mlm
3) T 2-Methylnaphthalene (...)	6.850	7320973	43.411 ug/ml
5) T Acenaphthylene (C15.06)	8.120	7712566	50.109 ug/ml
7) T Acenaphthene (C15.5)	8.415	7652973	46.429 ug/ml
8) T Flouorene (C16.55)	9.194	7867172	49.620 ug/ml
9) T Phenanthrene (C19.36)	10.583	7823820	50.360 ug/ml
10) T Anthracene (C19.43)	10.658	7674559	52.043 ug/ml
12) T Fluoranthene (C21.85)	12.387	7883212	50.915 ug/ml
13) T Pyrene (C20.8)	12.682	7817493	51.968 ug/ml
14) T Benzo[a]anthracene (C...	14.547	7212725	53.656 ug/ml
15) T Chrysene (C27.41)	14.591	7185773	49.072 ug/ml
16) T benzo[b]fluoranthene ...	16.090	6987174	50.748 ug/ml
17) T Bnezo[k]fluoranthene ...	16.125	6929977	49.943 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.466	6625206	48.939 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.827	7044004	55.796 ug/ml
20) T Dibenz[a,h]anthracene...	17.867	6565704	49.277 ug/ml
21) T Benzo[g,h,i]perylene ...	18.080	6449495	48.641 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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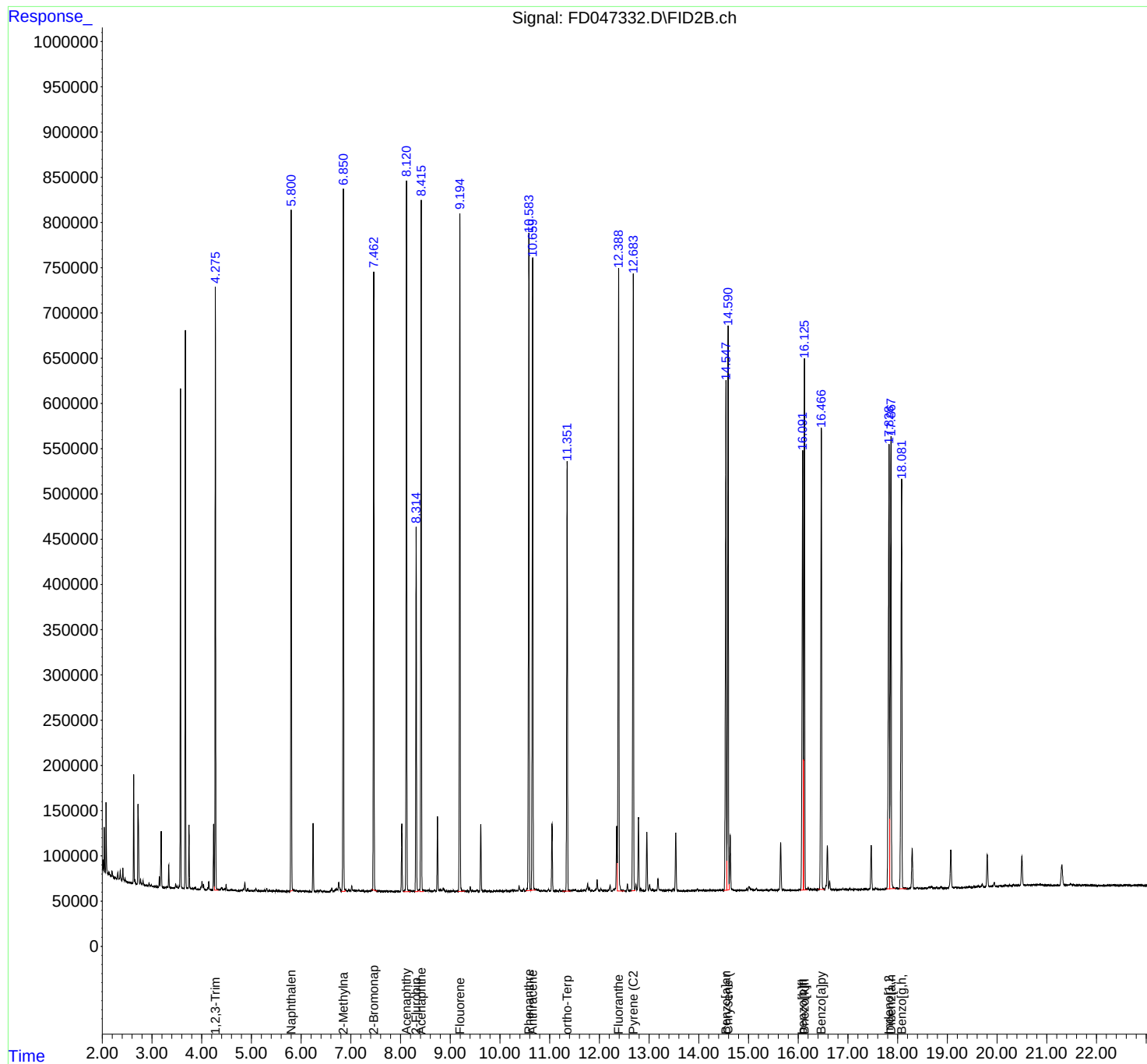
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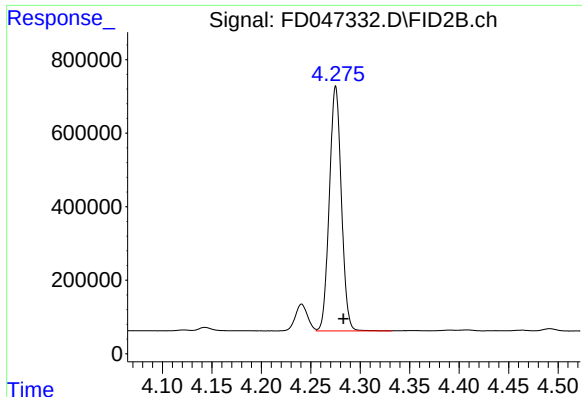
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.275 min
Delta R.T.: -0.008 min
Response: 5634506
Conc: 35.74 ug/ml

Instrument :

FID_D

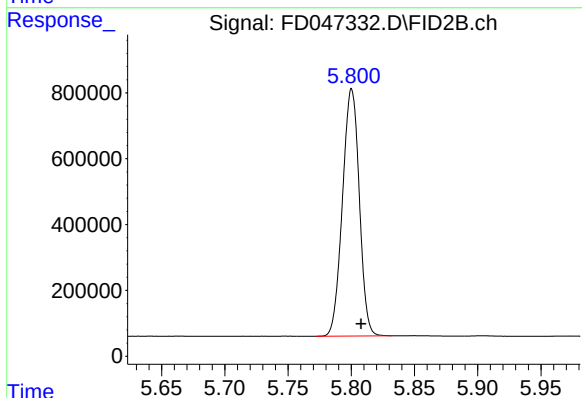
ClientSampleId :

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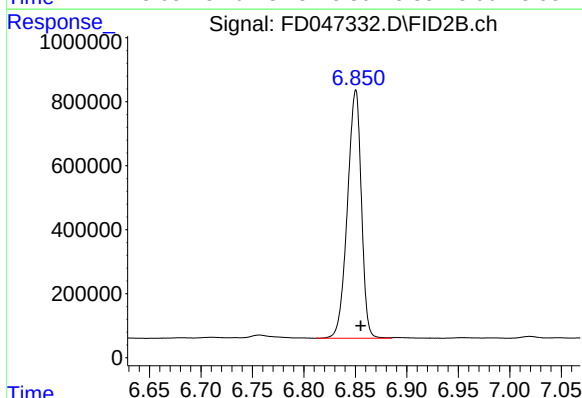
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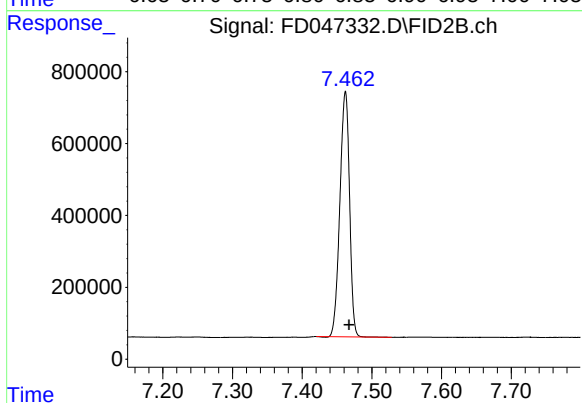
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: -0.008 min
Response: 6957050
Conc: 41.86 ug/ml m



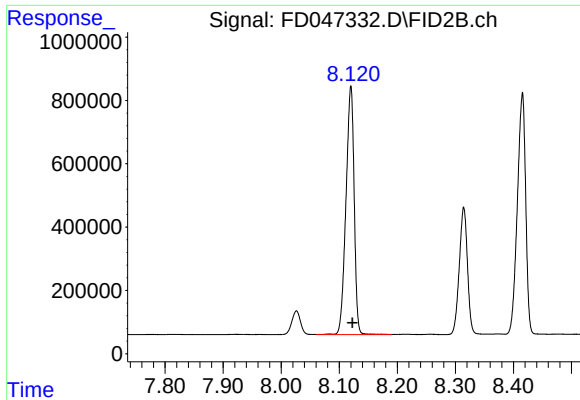
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.850 min
Delta R.T.: -0.005 min
Response: 7320973
Conc: 43.41 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 6566394
Conc: 43.13 ug/ml



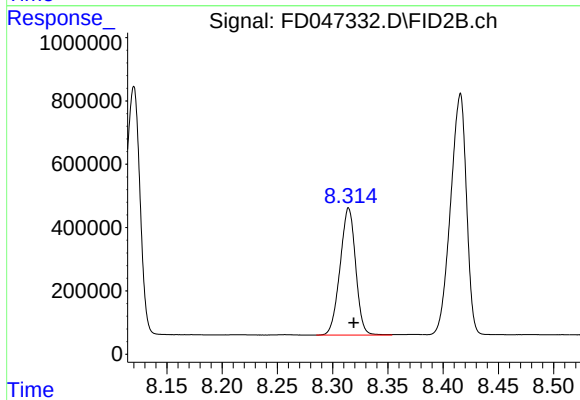
#5 Acenaphthylene (C15.06)

R.T.: 8.120 min
Delta R.T.: -0.003 min
Response: 7712566
Conc: 50.11 ug/ml

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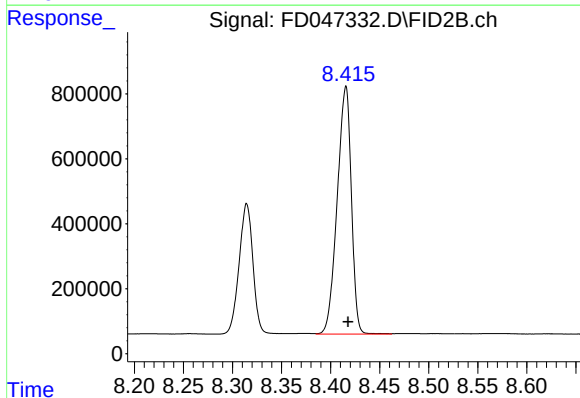
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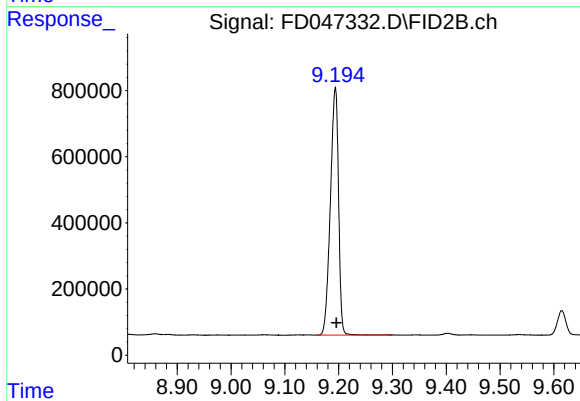
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: -0.005 min
Response: 3940594
Conc: 38.99 ug/ml



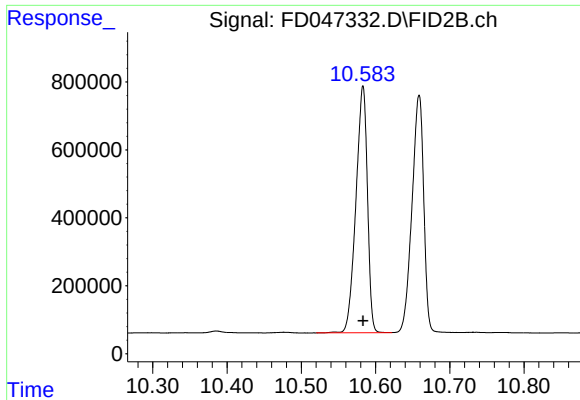
#7 Acenaphthene (C15.5)

R.T.: 8.415 min
Delta R.T.: -0.003 min
Response: 7652973
Conc: 46.43 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.194 min
Delta R.T.: -0.002 min
Response: 7867172
Conc: 49.62 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.583 min
Delta R.T.: 0.000 min
Response: 7823820
Conc: 50.36 ug/ml

Instrument :

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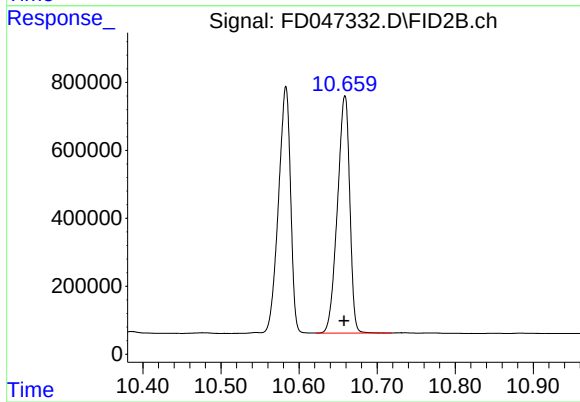
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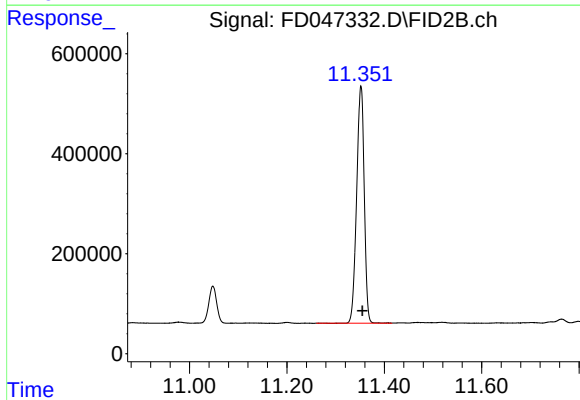
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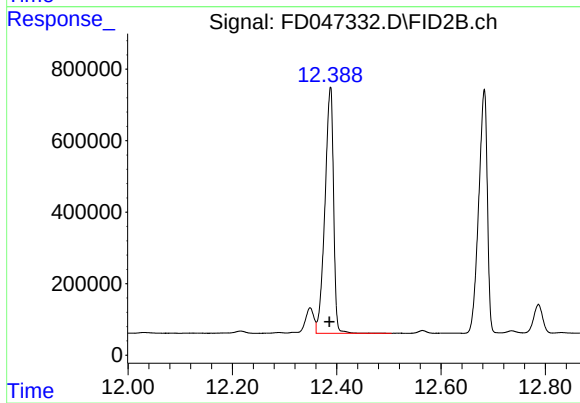
#10 Anthracene (C19.43)

R.T.: 10.658 min
Delta R.T.: 0.000 min
Response: 7674559
Conc: 52.04 ug/ml



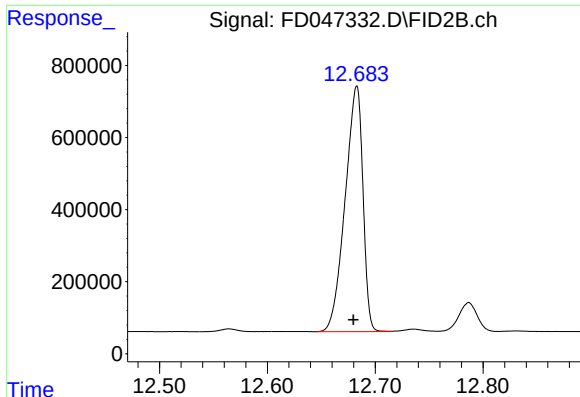
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: -0.003 min
Response: 5132144
Conc: 29.10 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.387 min
Delta R.T.: 0.001 min
Response: 7883212
Conc: 50.91 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.682 min
Delta R.T.: 0.002 min
Response: 7817493
Conc: 51.97 ug/ml

Instrument :

FID_D

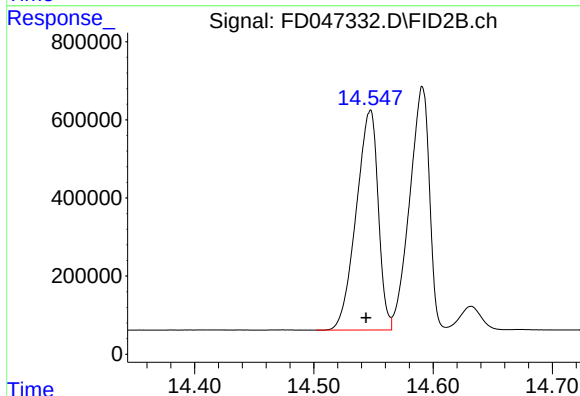
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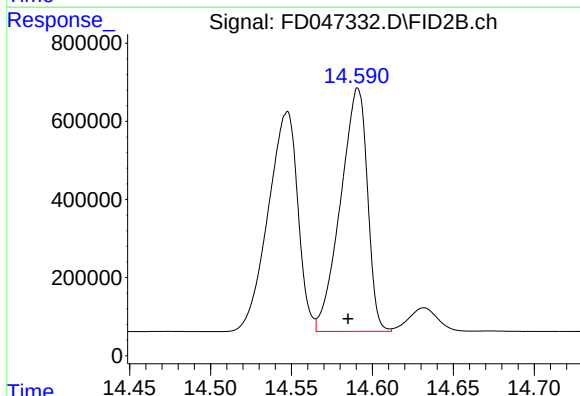
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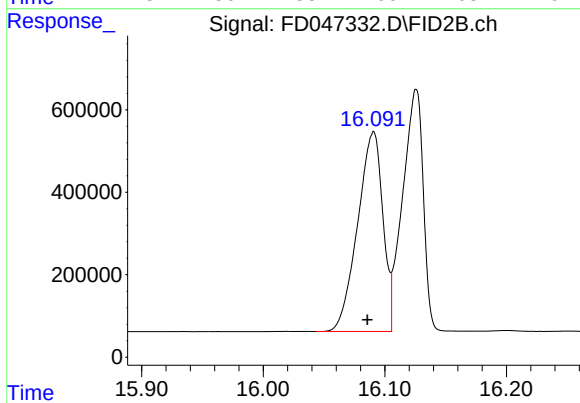
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.547 min
Delta R.T.: 0.003 min
Response: 7212725
Conc: 53.66 ug/ml



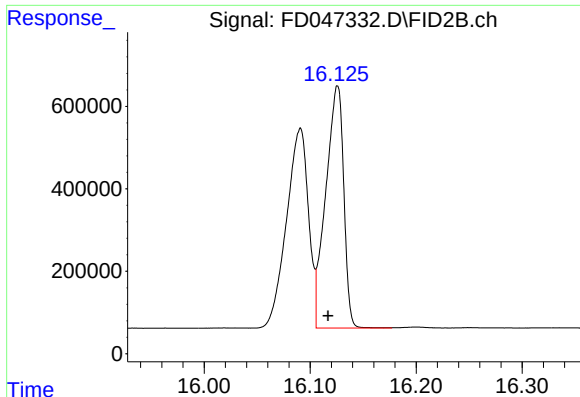
#15 Chrysene (C27.41)

R.T.: 14.591 min
Delta R.T.: 0.006 min
Response: 7185773
Conc: 49.07 ug/ml



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

R.T.: 16.090 min
Delta R.T.: 0.005 min
Response: 6987174
Conc: 50.75 ug/ml



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

R.T.: 16.125 min
Delta R.T.: 0.008 min
Response: 6929977
Conc: 49.94 ug/ml

Instrument :

FID_D

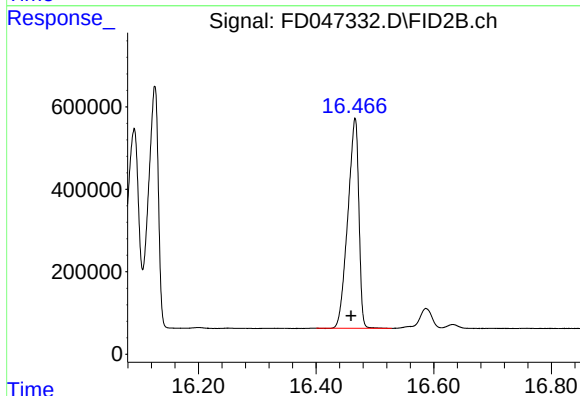
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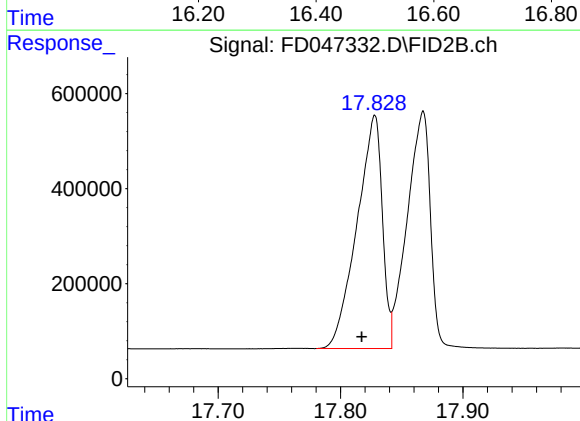
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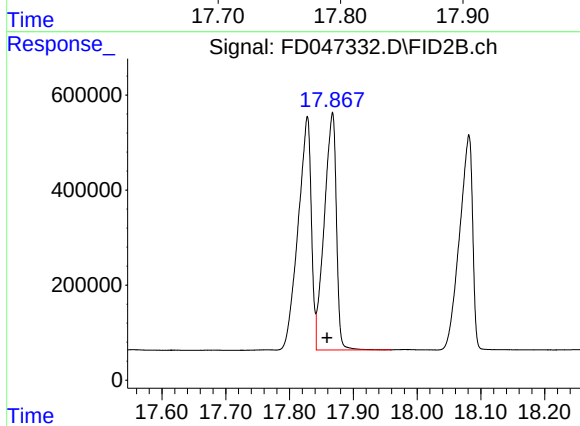
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.466 min
Delta R.T.: 0.006 min
Response: 6625206
Conc: 48.94 ug/ml



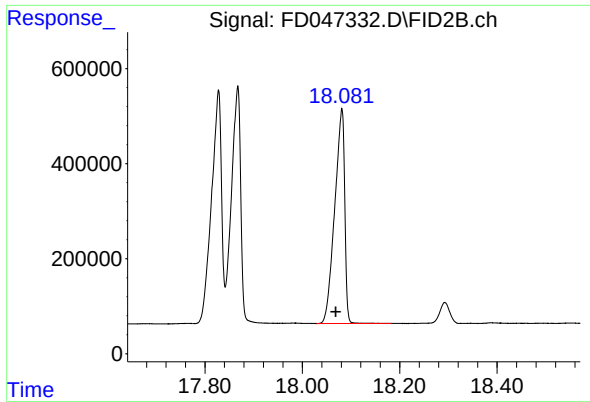
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.827 min
Delta R.T.: 0.010 min
Response: 7044004
Conc: 55.80 ug/ml



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

R.T.: 17.867 min
Delta R.T.: 0.008 min
Response: 6565704
Conc: 49.28 ug/ml



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

R.T.: 18.080 min
Delta R.T.: 0.012 min
Response: 6449495
Conc: 48.64 ug/ml

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