

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042624AR\
 Data File : FD047593.D
 Signal(s) : FID2B.ch
 Acq On : 26 Apr 2024 17:42
 Operator : YP/AJ
 Sample : PB160550BS
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB160550BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/29/2024

Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e

Quant Time: Apr 27 00:39:13 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040224.M

Quant Title : GC Extractables

QLast Update : Mon Apr 01 16:48:10 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...	7.461	7777014	52.020 ug/ml
Spiked Amount 50.000		Recovery =	104.04%
6) S 2-Fluorobiphenyl (SURR)	8.314	4742387	48.536 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	97.07%
11) S ortho-Terphenyl (SURR)	11.354	7515438	43.841 ug/ml
Spiked Amount 50.000		Recovery =	87.68%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	5449378	34.486 ug/ml
2) T Naphthalene (C11.7)	5.799	6307882	38.547 ug/ml
3) T 2-Methylnaphthalene (...)	6.848	6389342	38.845 ug/ml
5) T Acenaphthylene (C15.06)	8.118	6646542	44.034 ug/ml
7) T Acenaphthene (C15.5)	8.413	6574344	41.048 ug/ml
8) T Fluorene (C16.55)	9.191	6739859	43.567 ug/ml
9) T Phenanthrene (C19.36)	10.581	6847104	46.021 ug/ml
10) T Anthracene (C19.43)	10.657	6716582	49.384 ug/ml
12) T Fluoranthene (C21.85)	12.387	6858320	46.393 ug/ml
13) T Pyrene (C20.8)	12.682	6938244	48.075 ug/ml
14) T Benzo[a]anthracene (C...	14.550	6426433	48.865 ug/ml
15) T Chrysene (C27.41)	14.594	6395996	45.358 ug/ml
16) T benzo[b]fluoranthene ...	16.097	6433077	46.111 ug/ml
17) T Bnezo[k]fluoranthene ...	16.132	6388738	45.933 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.474	6298024	45.870 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.838	6362912	47.171 ug/ml
20) T Dibenz[a,h]anthracene...	17.876	6047497	44.997 ug/ml
21) T Benzo[g,h,i]perylene ...	18.090	5889891	42.437 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP/AJ
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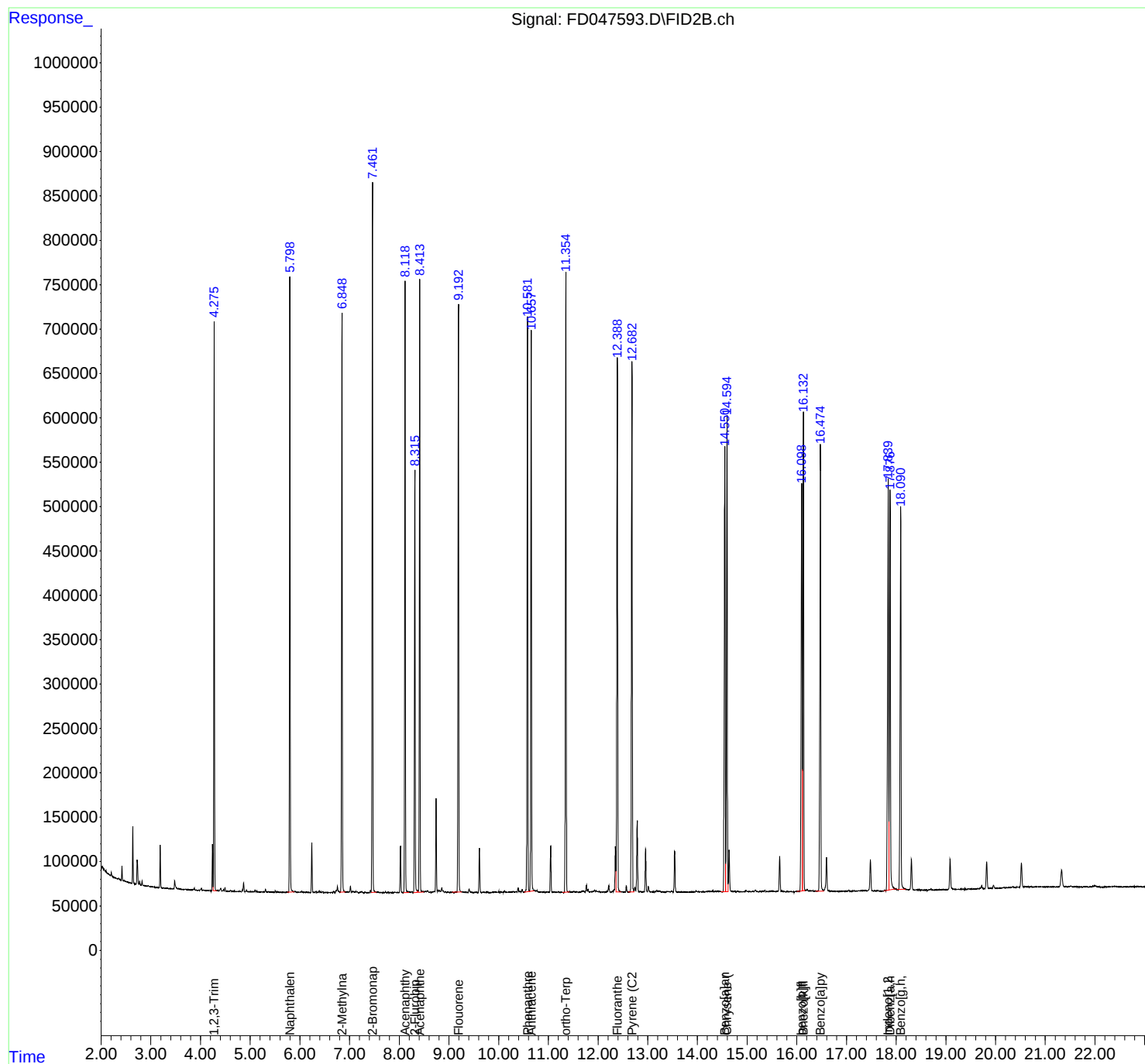
Instrument :
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PB160550BS

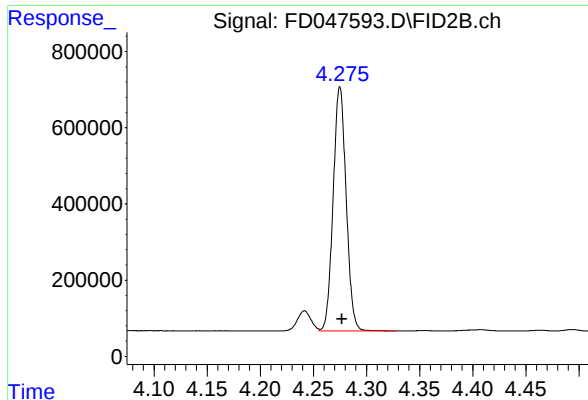
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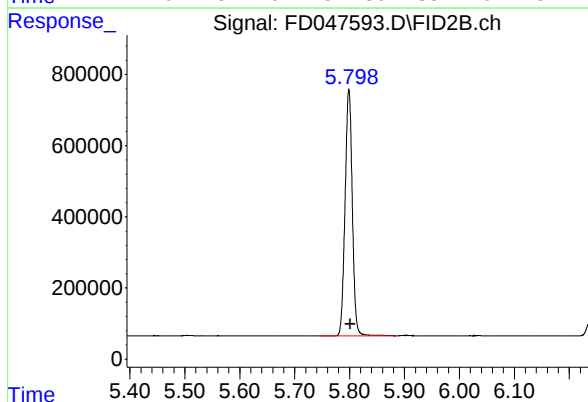
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.275 min
Delta R.T.: -0.002 min
Response: 5449378
Conc: 34.49 ug/ml

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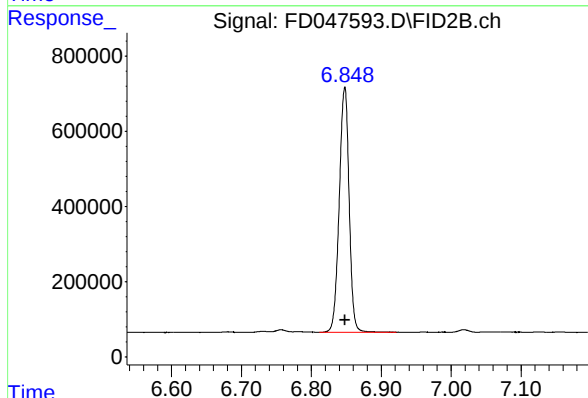
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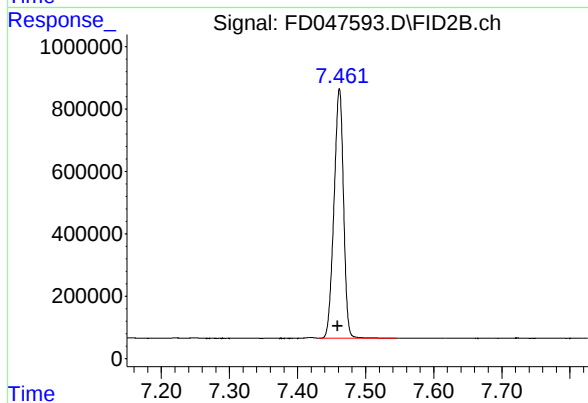
#2 Naphthalene (C11.7)

R.T.: 5.799 min
Delta R.T.: -0.003 min
Response: 6307882
Conc: 38.55 ug/ml



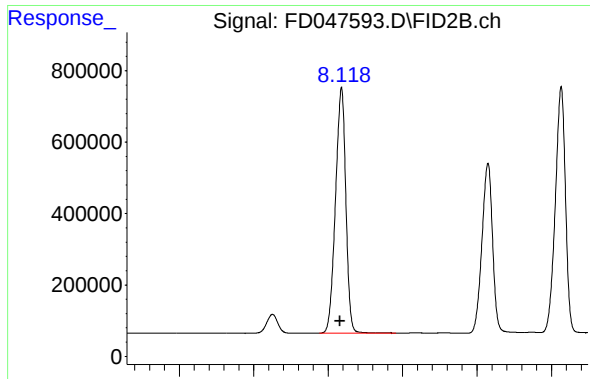
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 6389342
Conc: 38.85 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.461 min
Delta R.T.: 0.002 min
Response: 7777014
Conc: 52.02 ug/ml



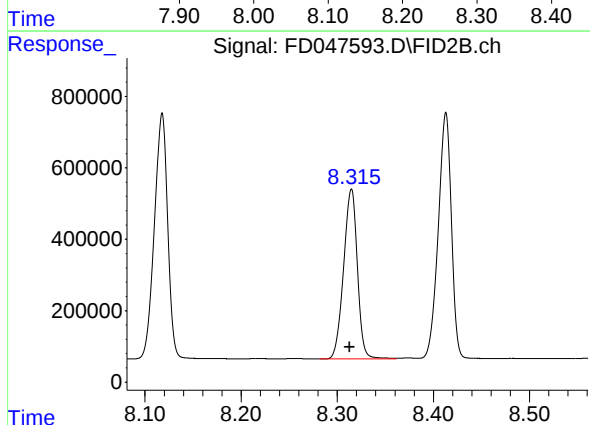
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: 0.002 min
Response: 6646542
Conc: 44.03 ug/ml

Instrument :
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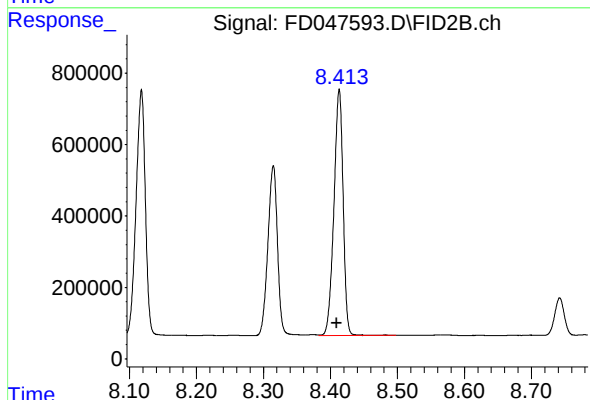
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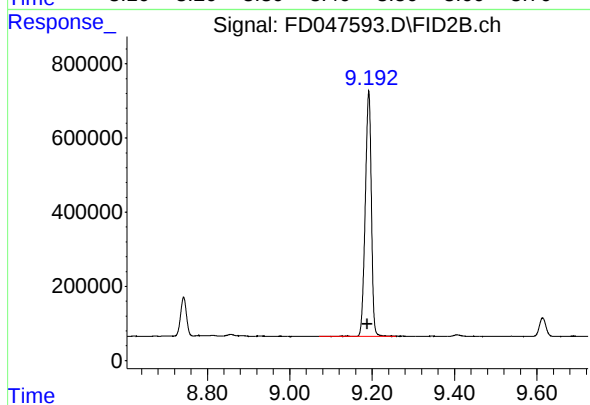
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: 0.001 min
Response: 4742387
Conc: 48.54 ug/ml



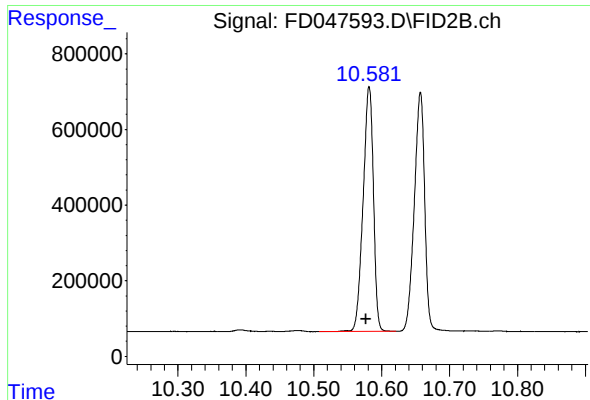
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: 0.004 min
Response: 6574344
Conc: 41.05 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.191 min
Delta R.T.: 0.003 min
Response: 6739859
Conc: 43.57 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.581 min
Delta R.T.: 0.004 min
Response: 6847104
Conc: 46.02 ug/ml

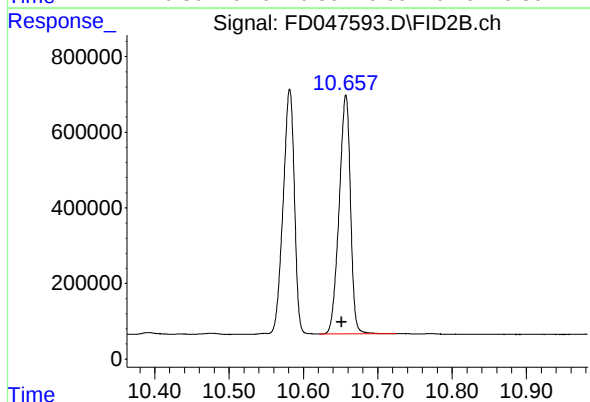
Instrument :

FID_D

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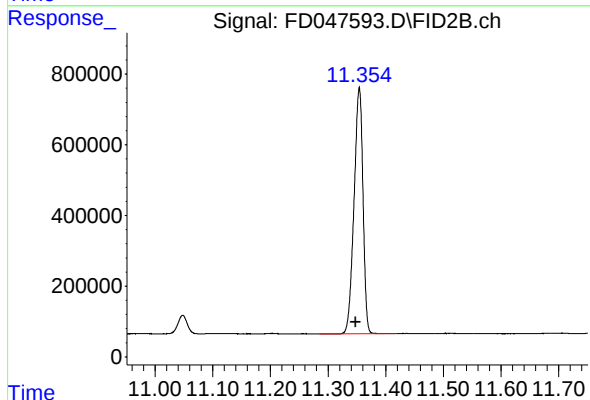
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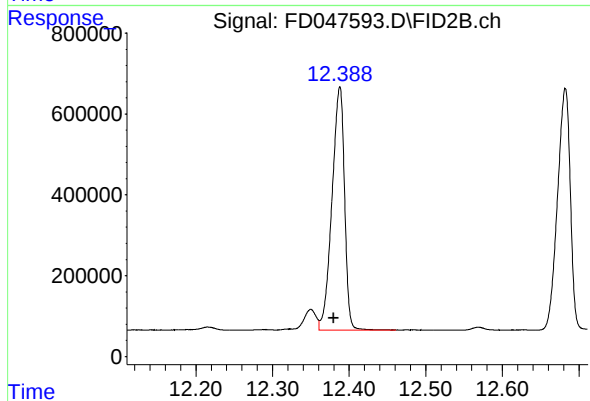
#10 Anthracene (C19.43)

R.T.: 10.657 min
Delta R.T.: 0.005 min
Response: 6716582
Conc: 49.38 ug/ml



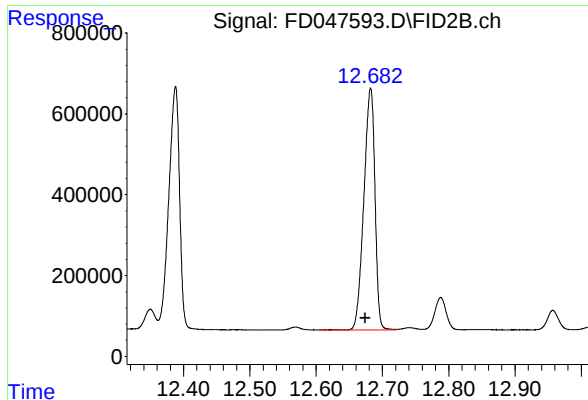
#11 ortho-Terphenyl (SURR)

R.T.: 11.354 min
Delta R.T.: 0.006 min
Response: 7515438
Conc: 43.84 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.387 min
Delta R.T.: 0.007 min
Response: 6858320
Conc: 46.39 ug/ml



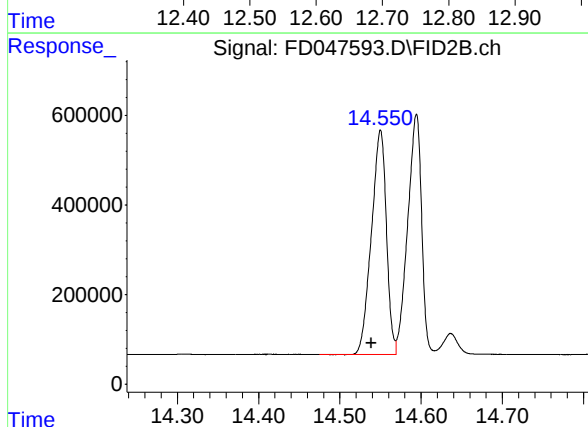
#13 Pyrene (C20.8)

R.T.: 12.682 min
Delta R.T.: 0.008 min
Response: 6938244
Conc: 48.08 ug/ml

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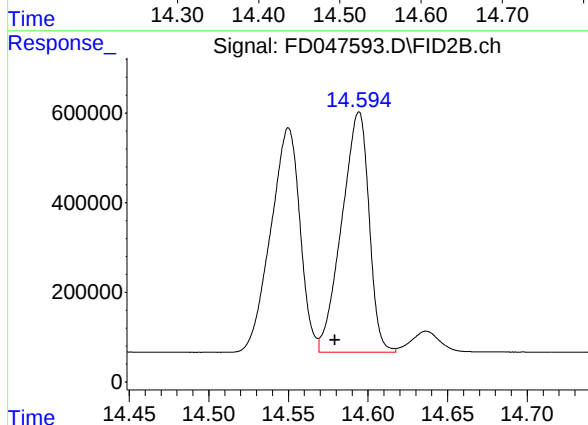
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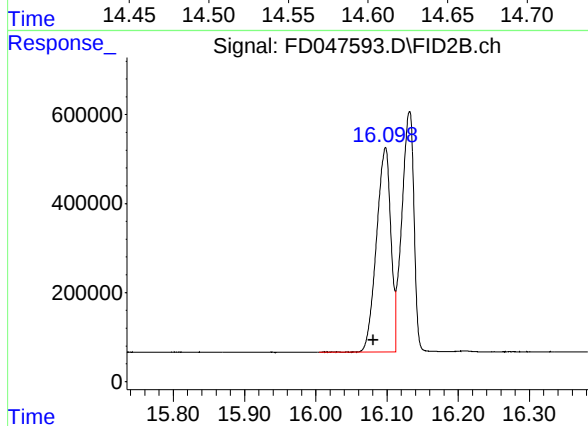
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.550 min
Delta R.T.: 0.011 min
Response: 6426433
Conc: 48.87 ug/ml



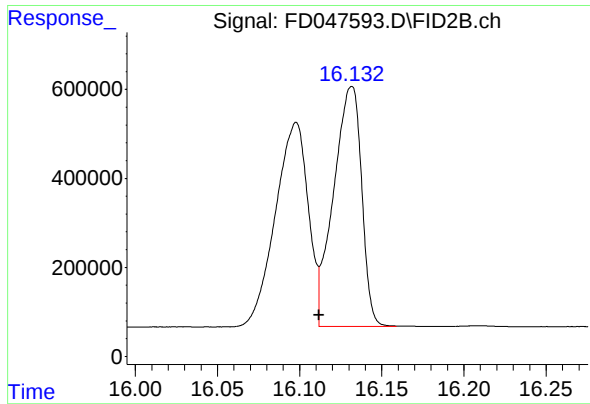
#15 Chrysene (C27.41)

R.T.: 14.594 min
Delta R.T.: 0.014 min
Response: 6395996
Conc: 45.36 ug/ml



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

R.T.: 16.097 min
Delta R.T.: 0.016 min
Response: 6433077
Conc: 46.11 ug/ml



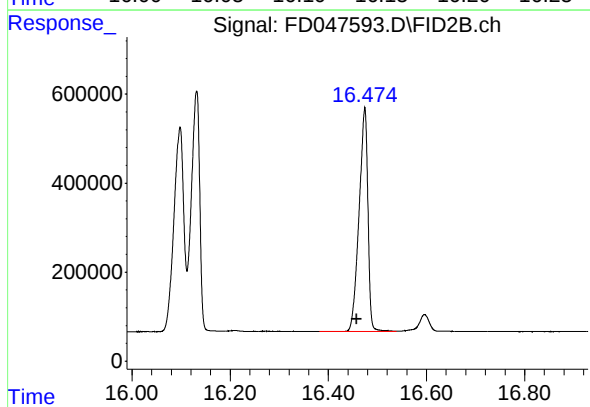
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.132 min
Delta R.T.: 0.020 min
Response: 6388738
Conc: 45.93 ug/ml

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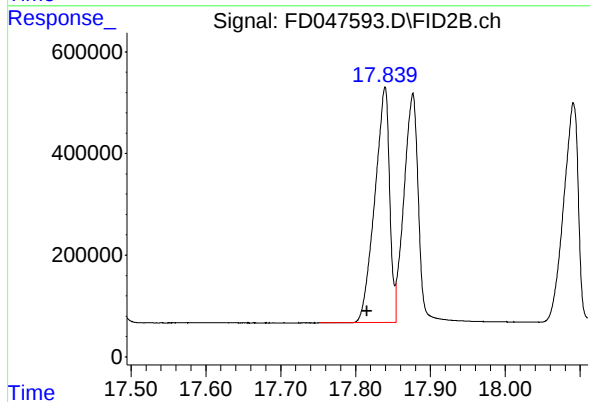
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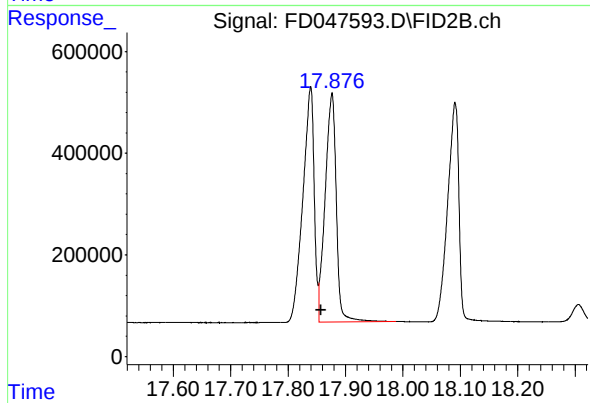
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.474 min
Delta R.T.: 0.016 min
Response: 6298024
Conc: 45.87 ug/ml



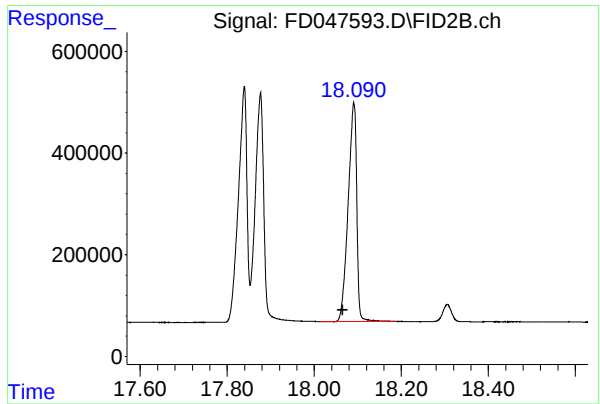
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.838 min
Delta R.T.: 0.023 min
Response: 6362912
Conc: 47.17 ug/ml



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

R.T.: 17.876 min
Delta R.T.: 0.019 min
Response: 6047497
Conc: 45.00 ug/ml



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

R.T.: 18.090 min
Delta R.T.: 0.025 min
Response: 5889891
Conc: 42.44 ug/ml

Instrument :

FID_D

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