

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042624AR\
 Data File : FD047596.D
 Signal(s) : FID2B.ch
 Acq On : 26 Apr 2024 19:58
 Operator : YP/AJ
 Sample : PB160549BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB160549BS

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 00:41:36 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...	7.462	8484114	56.750 ug/ml
Spiked Amount 50.000		Recovery =	113.50%
6) S 2-Fluorobiphenyl (SURR)	8.314	5471045	55.994 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	111.99%
11) S ortho-Terphenyl (SURR)	11.354	7785160	45.414 ug/ml
Spiked Amount 50.000		Recovery =	90.83%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.274	6030183	38.162 ug/ml
2) T Naphthalene (C11.7)	5.799	6874664	42.011 ug/ml
3) T 2-Methylnaphthalene (...)	6.848	6989838	42.496 ug/ml
5) T Acenaphthylene (C15.06)	8.118	7207075	47.748 ug/ml
7) T Acenaphthene (C15.5)	8.413	7081523	44.214 ug/ml
8) T Fluorene (C16.55)	9.192	7152185	46.232 ug/ml
9) T Phenanthrene (C19.36)	10.582	7027898	47.236 ug/ml
10) T Anthracene (C19.43)	10.657	6910866	50.813 ug/ml
12) T Fluoranthene (C21.85)	12.387	6875832	46.512 ug/ml
13) T Pyrene (C20.8)	12.682	6959010	48.219 ug/ml
14) T Benzo[a]anthracene (C...	14.550	6497389	49.405 ug/ml
15) T Chrysene (C27.41)	14.593	6496503	46.071 ug/ml
16) T benzo[b]fluoranthene ...	16.097	6492187	46.535 ug/ml
17) T Bnezo[k]fluoranthene ...	16.131	6557293	47.145 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.473	6370985	46.401 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.836	6387533	47.354 ug/ml
20) T Dibenz[a,h]anthracene...	17.876	6147660	45.742 ug/ml
21) T Benzo[g,h,i]perylene ...	18.090	5945551	42.838 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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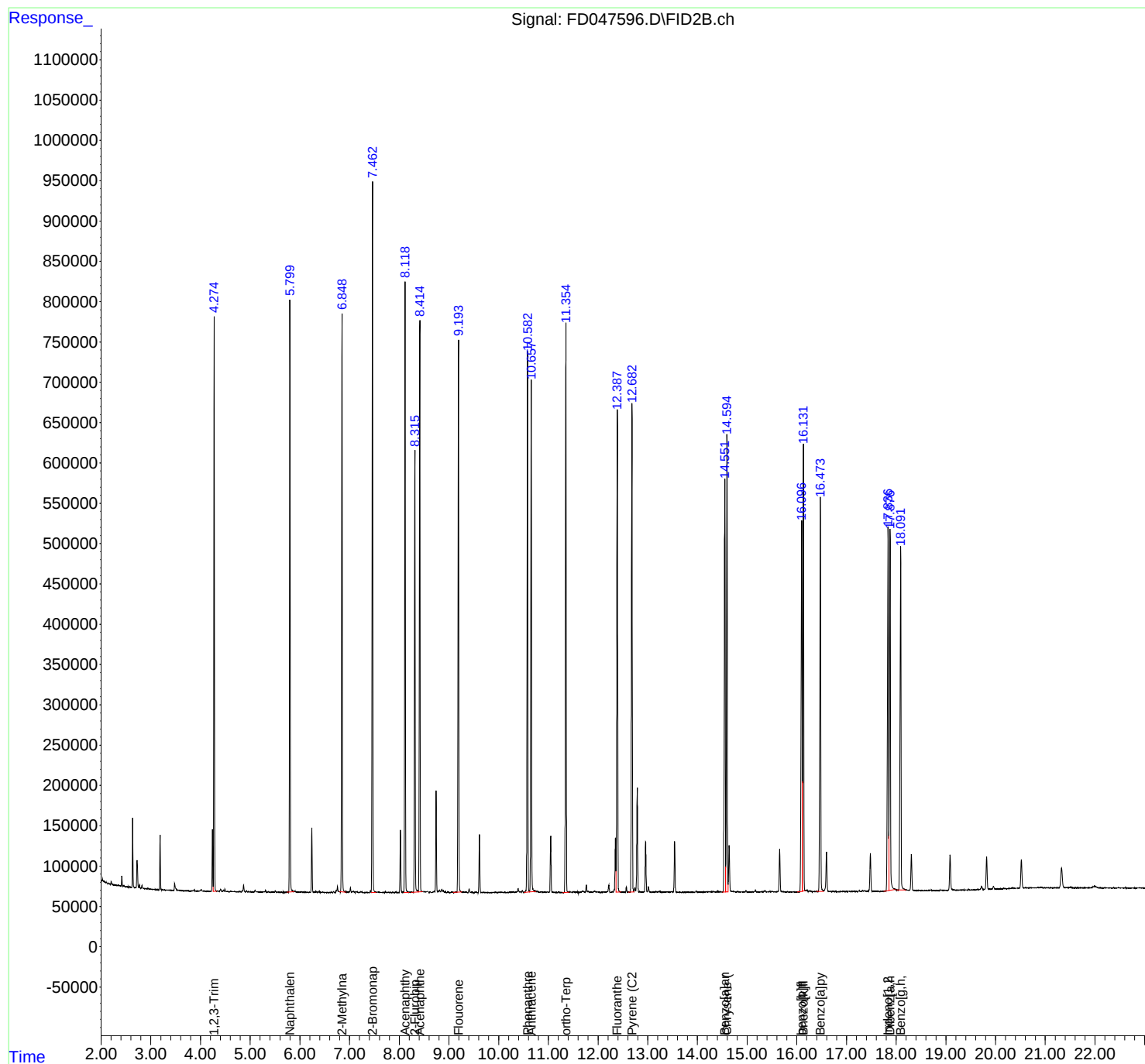
Response via : Initial Calibration

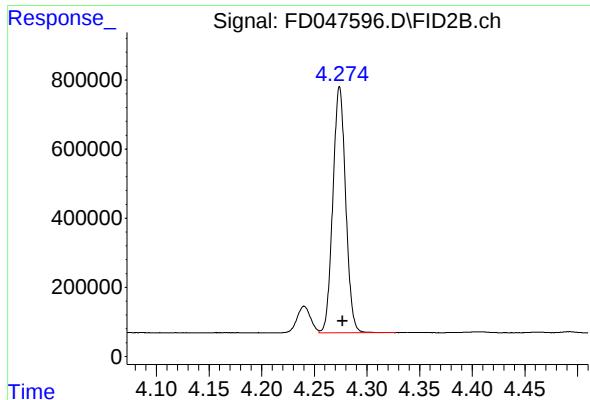
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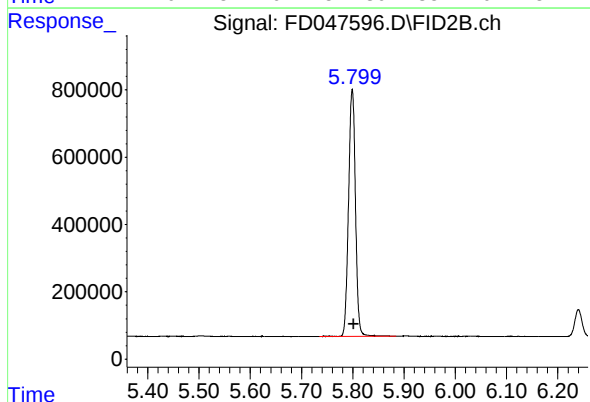
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.274 min
Delta R.T.: -0.003 min
Response: 6030183
Conc: 38.16 ug/ml

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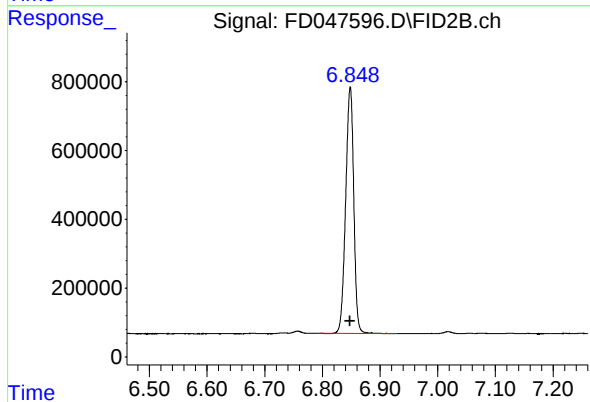
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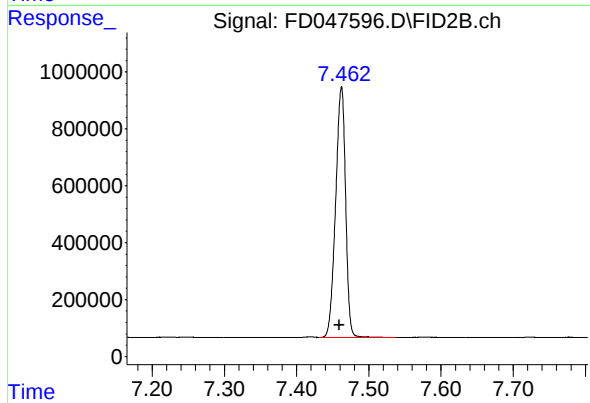
#2 Naphthalene (C11.7)

R.T.: 5.799 min
Delta R.T.: -0.003 min
Response: 6874664
Conc: 42.01 ug/ml



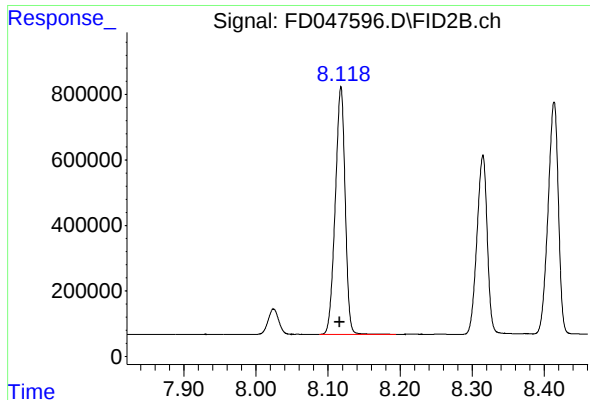
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 6989838
Conc: 42.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: 0.003 min
Response: 8484114
Conc: 56.75 ug/ml



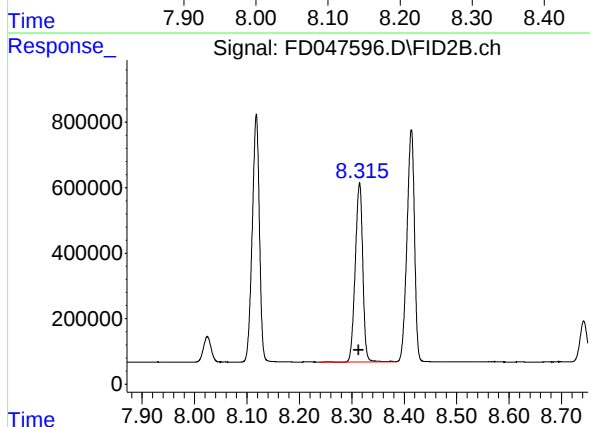
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: 0.002 min
Response: 7207075
Conc: 47.75 ug/ml

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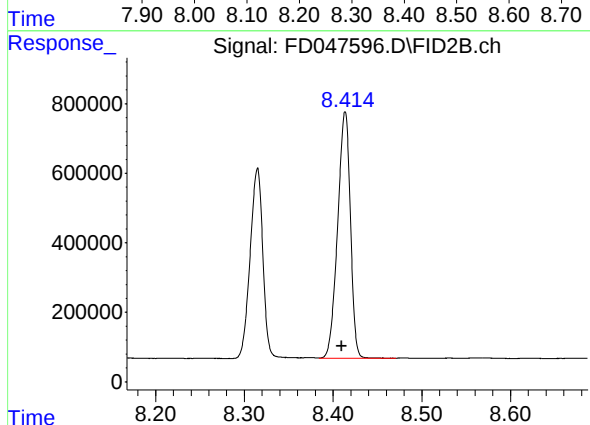
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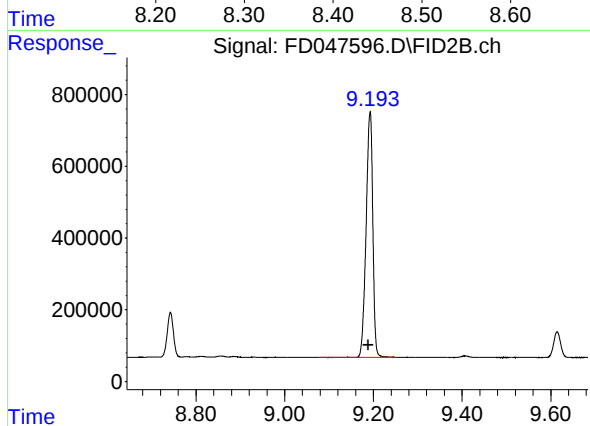
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: 0.001 min
Response: 5471045
Conc: 55.99 ug/ml



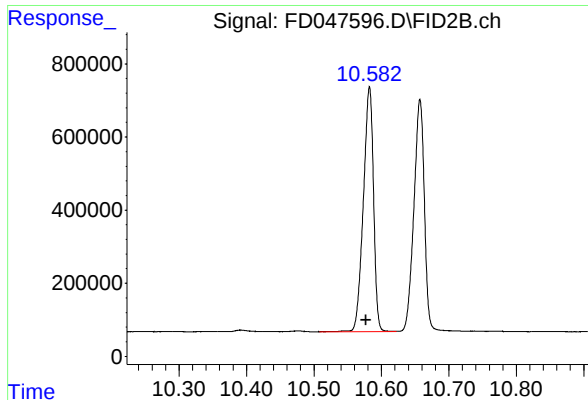
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: 0.004 min
Response: 7081523
Conc: 44.21 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.192 min
Delta R.T.: 0.004 min
Response: 7152185
Conc: 46.23 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.582 min
Delta R.T.: 0.005 min
Response: 7027898
Conc: 47.24 ug/ml

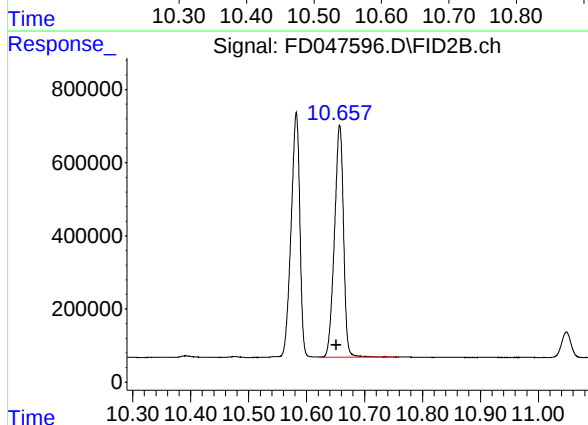
Instrument :

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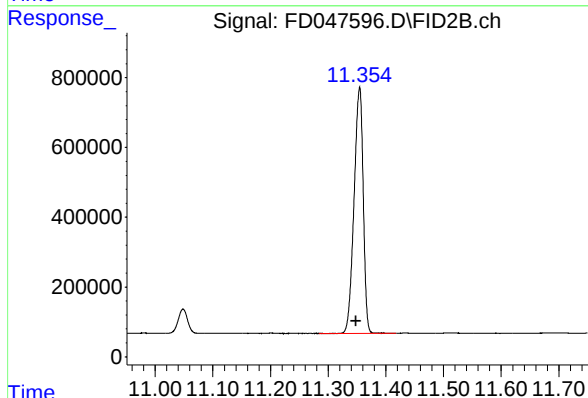
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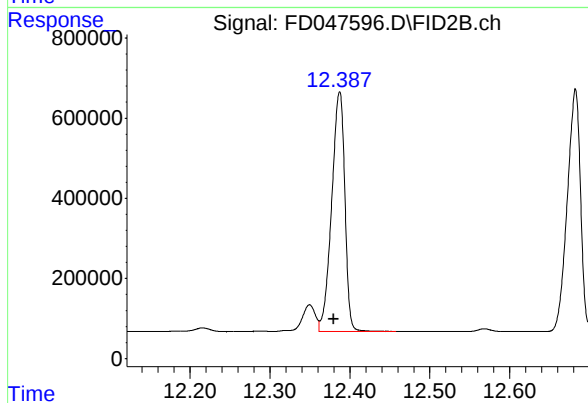
#10 Anthracene (C19.43)

R.T.: 10.657 min
Delta R.T.: 0.005 min
Response: 6910866
Conc: 50.81 ug/ml



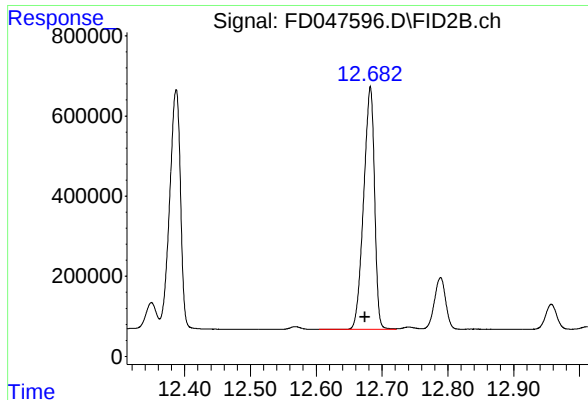
#11 ortho-Terphenyl (SURR)

R.T.: 11.354 min
Delta R.T.: 0.006 min
Response: 7785160
Conc: 45.41 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.387 min
Delta R.T.: 0.007 min
Response: 6875832
Conc: 46.51 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.682 min
Delta R.T.: 0.008 min
Response: 6959010
Conc: 48.22 ug/ml

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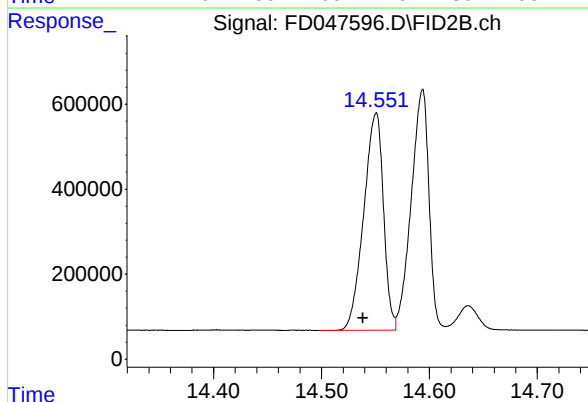
ClientSampleId :

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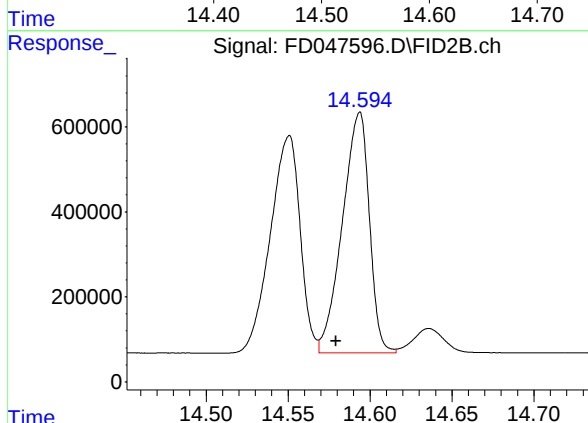
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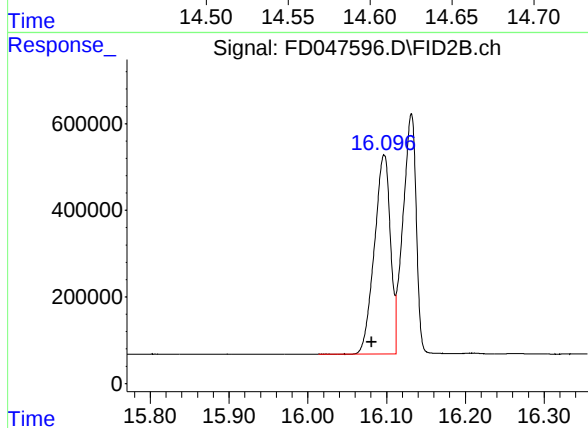
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.550 min
Delta R.T.: 0.011 min
Response: 6497389
Conc: 49.40 ug/ml



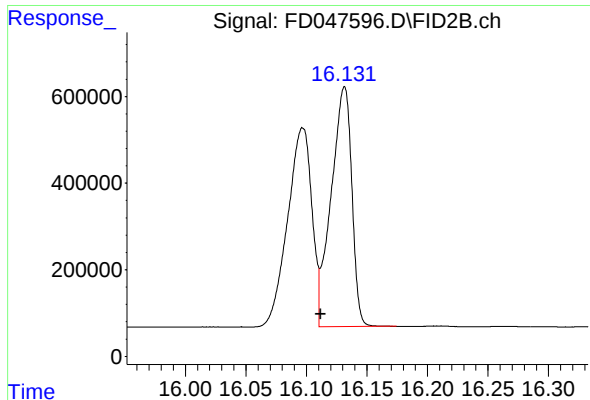
#15 Chrysene (C27.41)

R.T.: 14.593 min
Delta R.T.: 0.014 min
Response: 6496503
Conc: 46.07 ug/ml



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

R.T.: 16.097 min
Delta R.T.: 0.015 min
Response: 6492187
Conc: 46.53 ug/ml



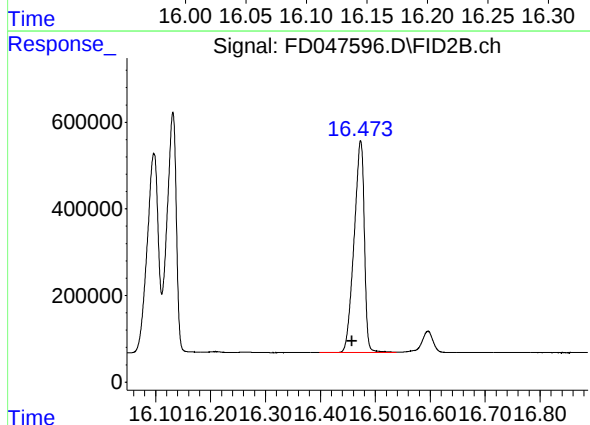
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.131 min
Delta R.T.: 0.019 min
Response: 6557293
Conc: 47.14 ug/ml

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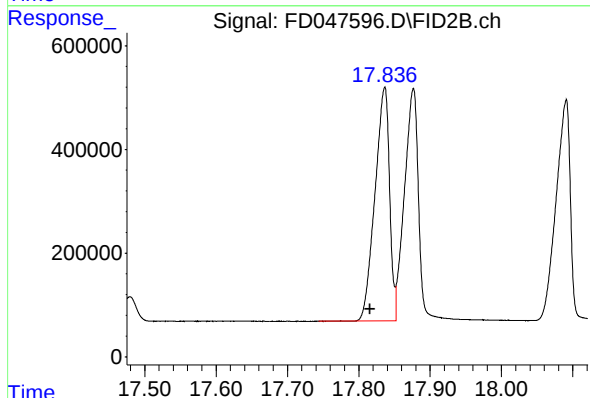
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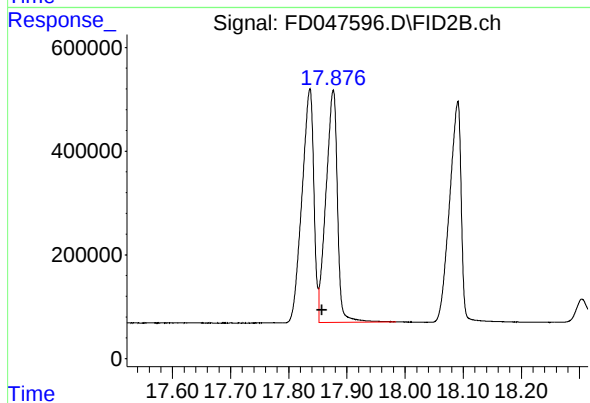
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.473 min
Delta R.T.: 0.015 min
Response: 6370985
Conc: 46.40 ug/ml



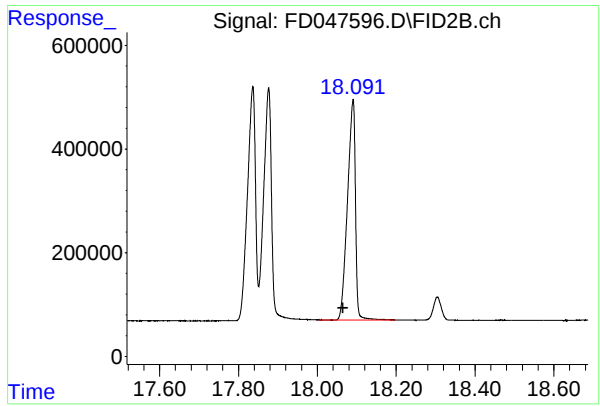
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.836 min
Delta R.T.: 0.020 min
Response: 6387533
Conc: 47.35 ug/ml



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

R.T.: 17.876 min
Delta R.T.: 0.019 min
Response: 6147660
Conc: 45.74 ug/ml



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

R.T.: 18.090 min
Delta R.T.: 0.024 min
Response: 5945551
Conc: 42.84 ug/ml

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