

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052225AR\
 Data File : FD049376.D
 Signal(s) : FID2B.ch
 Acq On : 22 May 2025 17:05
 Operator : YP/AJ
 Sample : PB168132BS
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB168132BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/23/2025

Supervised By :mohammad ahmed 05/24/2025

Integration File: autoint1.e

Quant Time: May 23 04:32:11 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M

Quant Title : GC Extractables

QLast Update : Thu May 01 13:29:48 2025

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...	7.740	8037982	67.791 ug/ml
Spiked Amount 50.000		Recovery =	135.58%
6) S 2-Fluorobiphenyl (SURR)	8.606	5616059	71.114 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	142.23%#
11) S ortho-Terphenyl (SURR)	11.653	8551372	61.957 ug/ml
Spiked Amount 50.000		Recovery =	123.91%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	4703031	37.667 ug/ml
2) T Naphthalene (C11.7)	6.073	5656453	42.785 ug/ml
3) T 2-Methylnaphthalene (...)	7.128	5612213	43.505 ug/ml
5) T Acenaphthylene (C15.06)	8.408	6723024	47.625 ug/ml
7) T Acenaphthene (C15.5)	8.706	6808963	49.696 ug/ml
8) T Flouorene (C16.55)	9.487	7246733	53.240 ug/ml
9) T Phenanthrene (C19.36)	10.887	7437641	55.166 ug/ml
10) T Anthracene (C19.43)	10.962	7247162	61.277 ug/ml
12) T Fluoranthene (C21.85)	12.702	7391144	54.845 ug/ml
13) T Pyrene (C20.8)	13.001	7290576	53.894 ug/ml
14) T Benzo[a]anthracene (C...	14.873	6570505	57.362 ug/ml
15) T Chrysene (C27.41)	14.917	7463341	63.946 ug/ml
16) T benzo[b]fluoranthene ...	16.425	6341199	52.240 ug/ml
17) T Bnezo[k]fluoranthene ...	16.460	6292175	52.759 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.805	6040262	52.531 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.171	6217815	56.658 ug/ml
20) T Dibenz[a,h]anthracene...	18.211	5794421	54.864 ug/ml
21) T Benzo[g,h,i]perylene ...	18.429	5803207	48.697 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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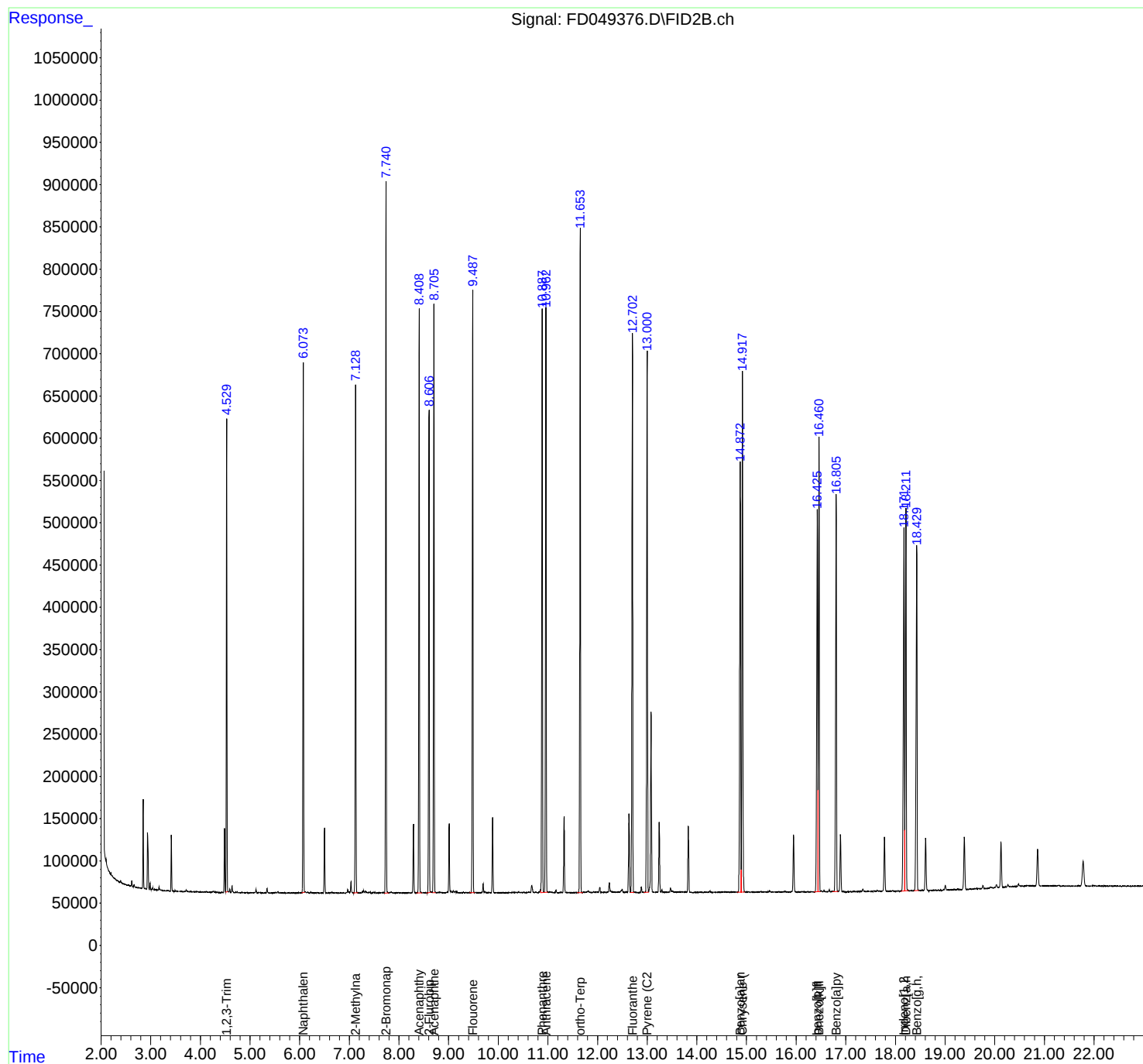
Response via : Initial Calibration

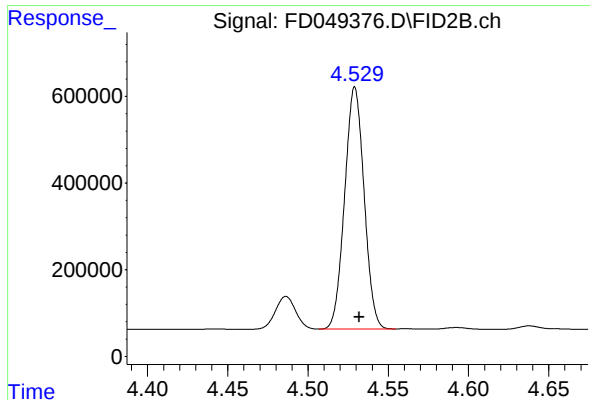
Integrator: ChemStation

Volume Inj. : 1 µl

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Signal Info : 20M x 0.18mm x 0.18µm





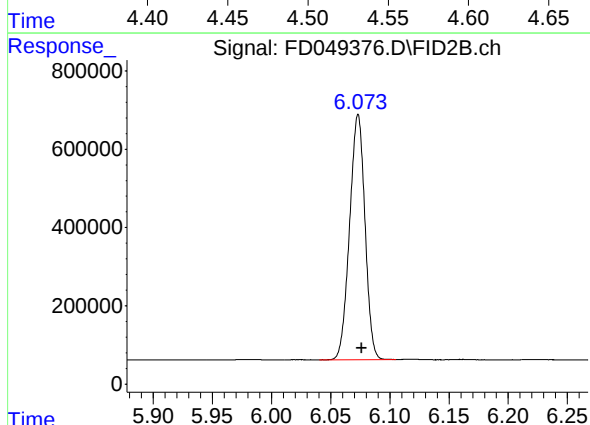
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.529 min
Delta R.T.: -0.003 min
Response: 4703031
Conc: 37.67 ug/ml

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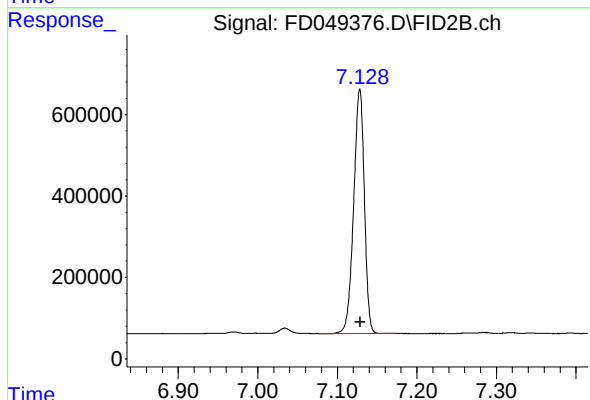
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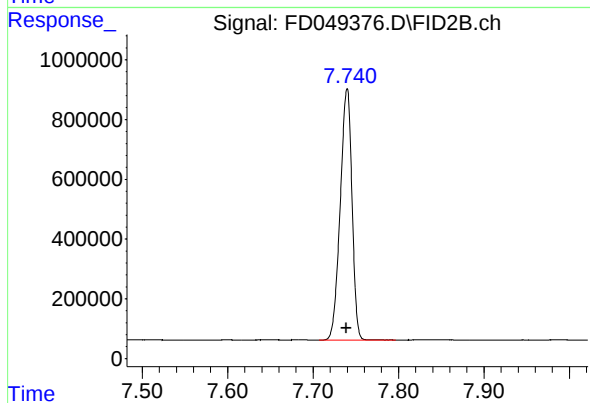
#2 Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.003 min
Response: 5656453
Conc: 42.79 ug/ml



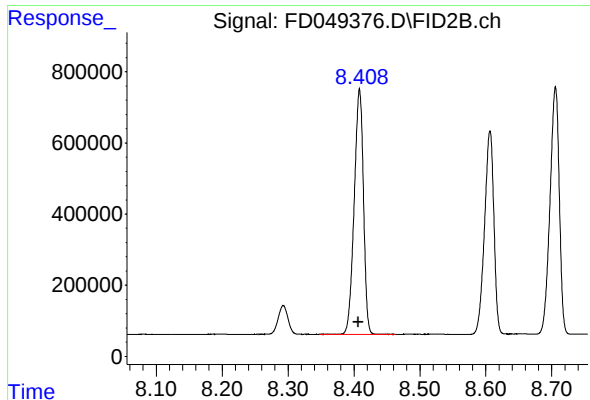
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.128 min
Delta R.T.: 0.000 min
Response: 5612213
Conc: 43.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.740 min
Delta R.T.: 0.000 min
Response: 8037982
Conc: 67.79 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.408 min
Delta R.T.: 0.001 min
Response: 6723024
Conc: 47.63 ug/ml

Instrument :

FID_D

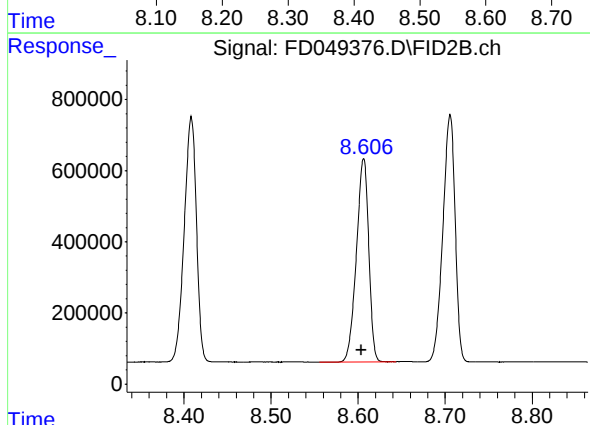
ClientSampleId :

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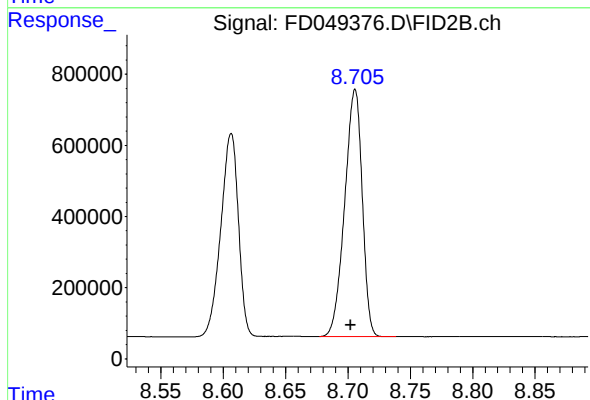
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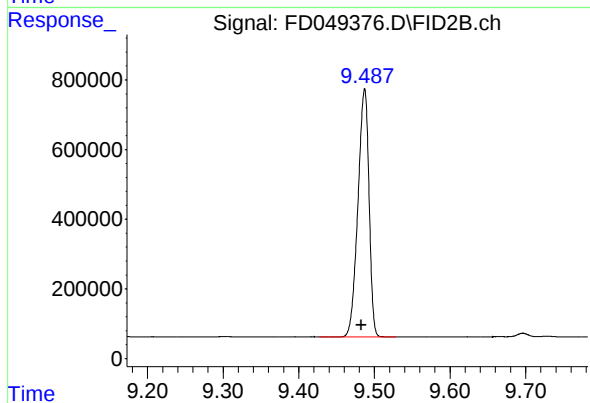
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.606 min
Delta R.T.: 0.003 min
Response: 5616059
Conc: 71.11 ug/ml



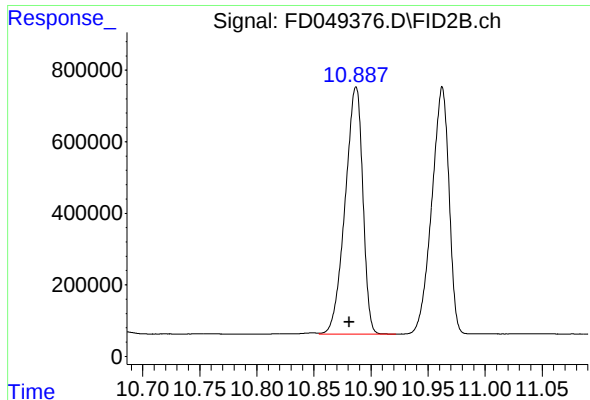
#7 Acenaphthene (C15.5)

R.T.: 8.706 min
Delta R.T.: 0.003 min
Response: 6808963
Conc: 49.70 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.487 min
Delta R.T.: 0.004 min
Response: 7246733
Conc: 53.24 ug/ml



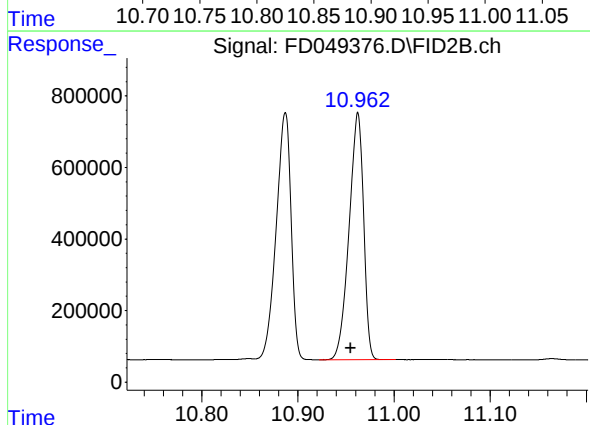
#9 Phenanthrene (C19.36)

R.T.: 10.887 min
Delta R.T.: 0.006 min
Response: 7437641
Conc: 55.17 ug/ml

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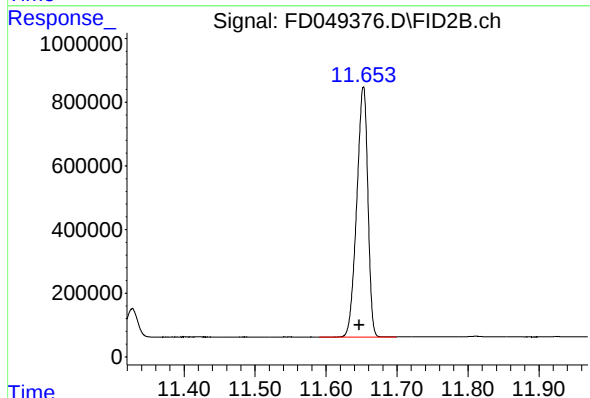
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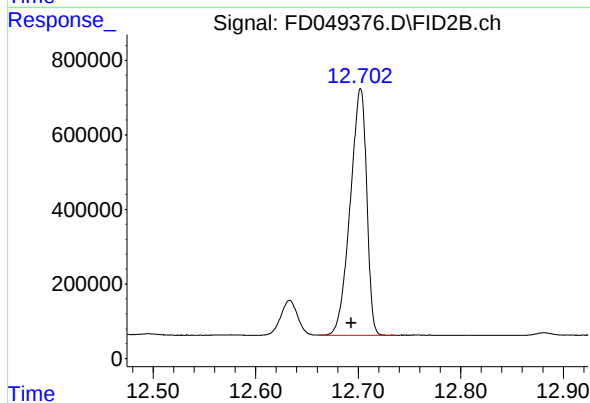
#10 Anthracene (C19.43)

R.T.: 10.962 min
Delta R.T.: 0.007 min
Response: 7247162
Conc: 61.28 ug/ml



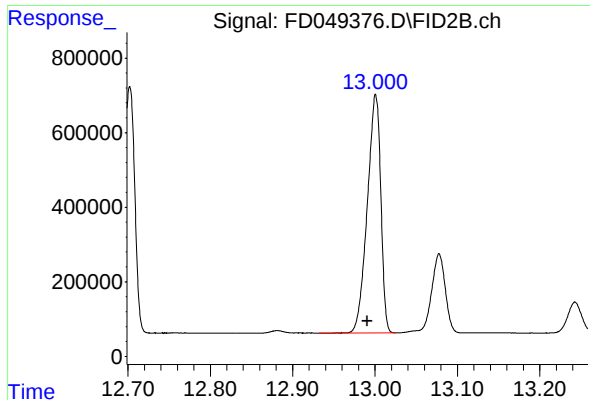
#11 ortho-Terphenyl (SURR)

R.T.: 11.653 min
Delta R.T.: 0.006 min
Response: 8551372
Conc: 61.96 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.702 min
Delta R.T.: 0.009 min
Response: 7391144
Conc: 54.84 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.001 min
Delta R.T.: 0.010 min
Response: 7290576
Conc: 53.89 ug/ml

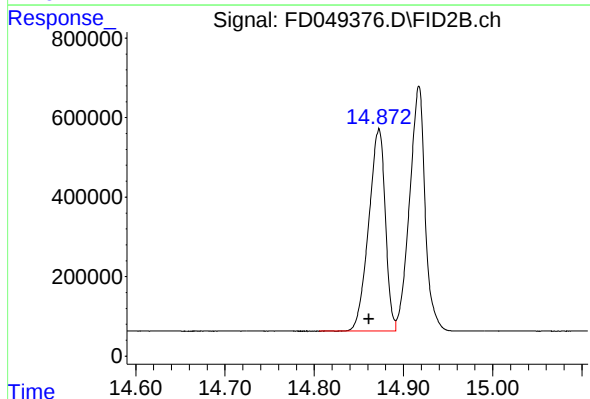
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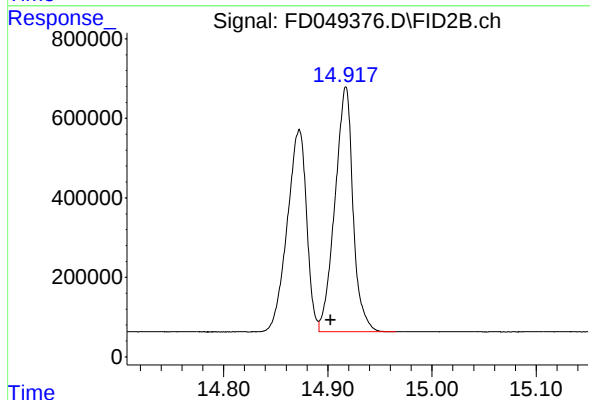
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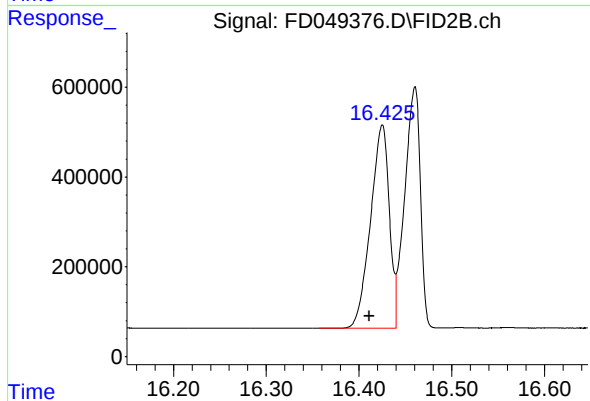
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.873 min
Delta R.T.: 0.011 min
Response: 6570505
Conc: 57.36 ug/ml



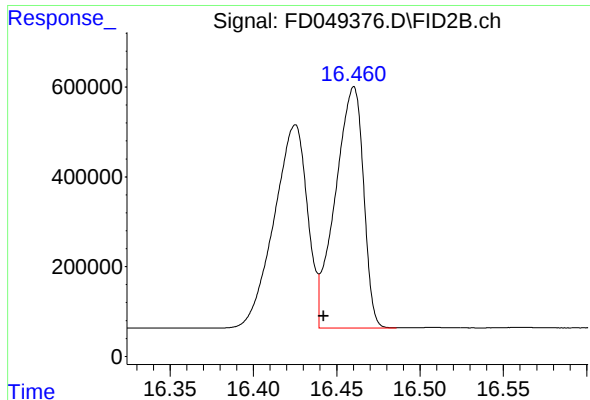
#15 Chrysene (C27.41)

R.T.: 14.917 min
Delta R.T.: 0.015 min
Response: 7463341
Conc: 63.95 ug/ml



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

R.T.: 16.425 min
Delta R.T.: 0.014 min
Response: 6341199
Conc: 52.24 ug/ml



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

R.T.: 16.460 min
Delta R.T.: 0.018 min
Response: 6292175
Conc: 52.76 ug/ml

Instrument :

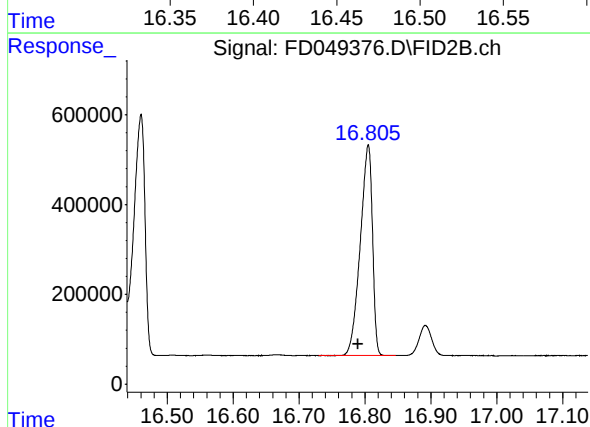
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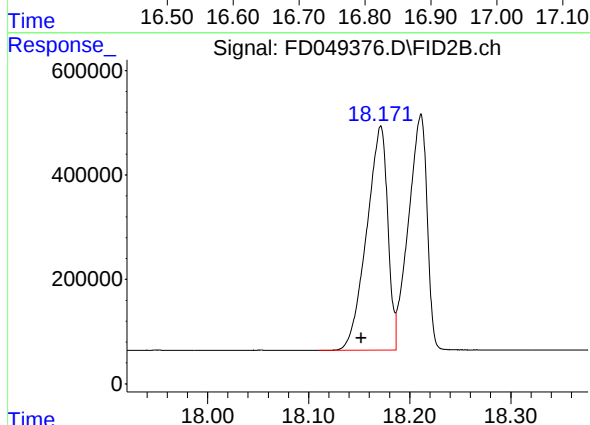
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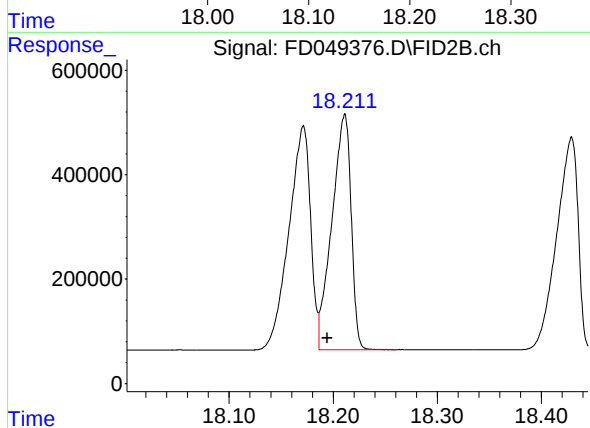
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.805 min
Delta R.T.: 0.015 min
Response: 6040262
Conc: 52.53 ug/ml



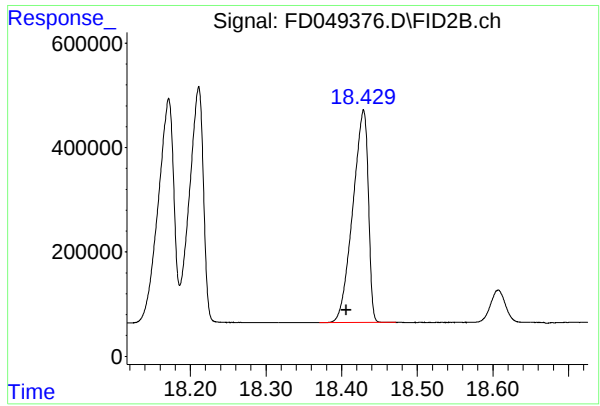
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.171 min
Delta R.T.: 0.019 min
Response: 6217815
Conc: 56.66 ug/ml



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

R.T.: 18.211 min
Delta R.T.: 0.017 min
Response: 5794421
Conc: 54.86 ug/ml



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

R.T.: 18.429 min
Delta R.T.: 0.023 min
Response: 5803207
Conc: 48.70 ug/ml

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