

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071725AR\
 Data File : FD049573.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2025 12:36
 Operator : YP/AJ
 Sample : PB168879BS
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB168879BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 07/18/2025

Supervised By :mohammad ahmed 07/19/2025

Integration File: autoint1.e

Quant Time: Jul 18 00:16:37 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071525.M

Quant Title : GC Extractables

QLast Update : Tue Jul 15 12:32:40 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...	7.736	7598108	58.074 ug/ml
Spiked Amount 50.000		Recovery =	116.15%
6) S 2-Fluorobiphenyl (SURR)	8.601	5229685	56.437 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	112.87%
11) S ortho-Terphenyl (SURR)	11.645	7570807	46.173 ug/ml
Spiked Amount 50.000		Recovery =	92.35%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.527	4755017	36.807 ug/ml
2) T Naphthalene (C11.7)	6.071	6044098	41.296 ug/ml
3) T 2-Methylnaphthalene (...)	7.125	6035881	39.746 ug/ml
5) T Acenaphthylene (C15.06)	8.405	7230562	45.552 ug/ml
7) T Acenaphthene (C15.5)	8.701	7341109	46.366 ug/ml
8) T Flouorene (C16.55)	9.483	7783899	48.727 ug/ml
9) T Phenanthrene (C19.36)	10.881	7859375	47.980 ug/ml
10) T Anthracene (C19.43)	10.956	7202355	45.214 ug/ml
12) T Fluoranthene (C21.85)	12.696	7899361	48.598 ug/mlm
13) T Pyrene (C20.8)	12.994	7720563	47.572 ug/ml
14) T Benzo[a]anthracene (C...	14.867	7344148	50.148 ug/ml
15) T Chrysene (C27.41)	14.912	7932225	53.299 ug/ml
16) T benzo[b]fluoranthene ...	16.419	7122963	50.272 ug/ml
17) T Bnezo[k]fluoranthene ...	16.456	6989637	52.285 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.799	6664888	48.408 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.166	6908986	55.163 ug/ml
20) T Dibenz[a,h]anthracene...	18.203	6394549	48.539 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.422	6260757	47.307 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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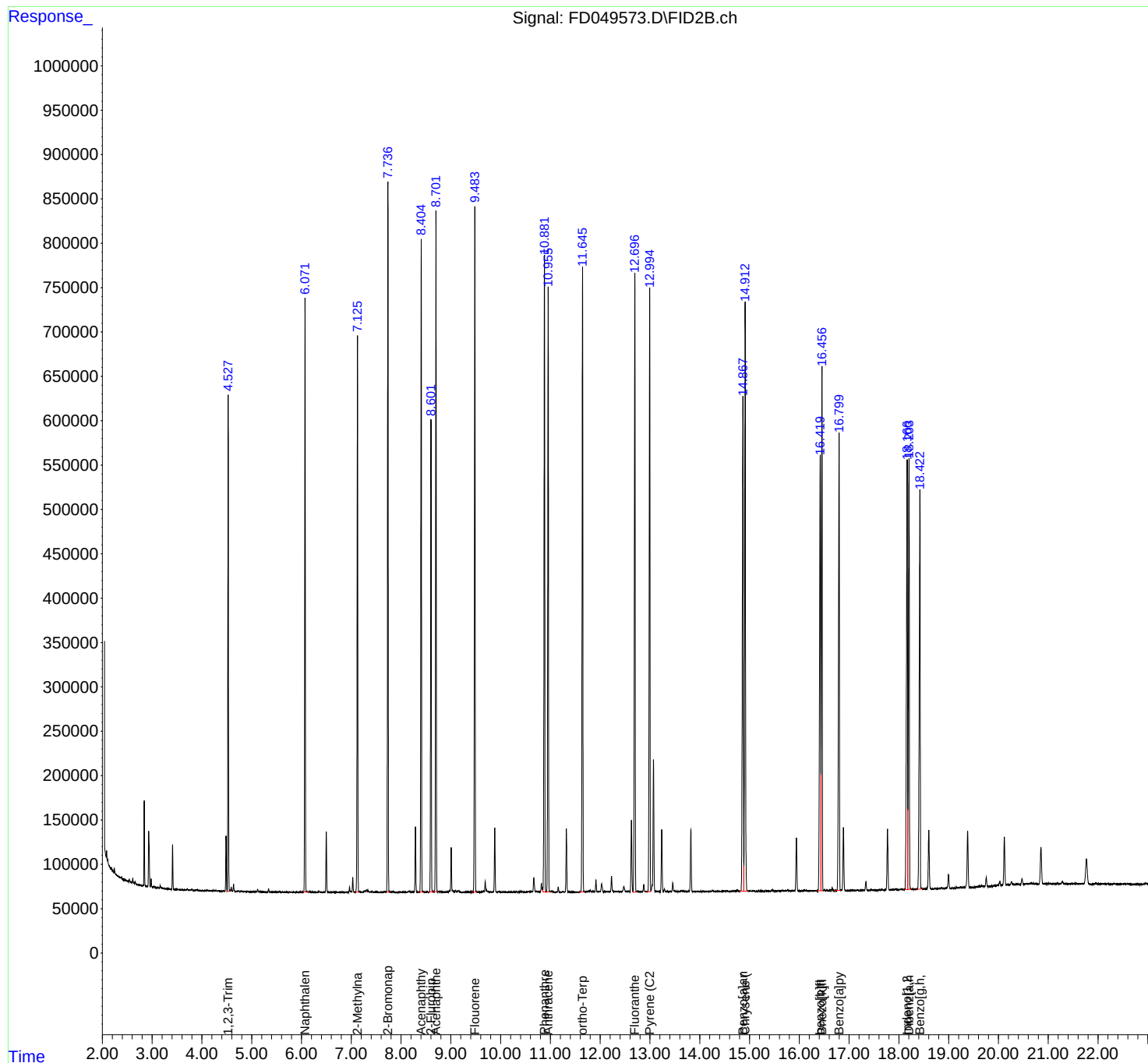
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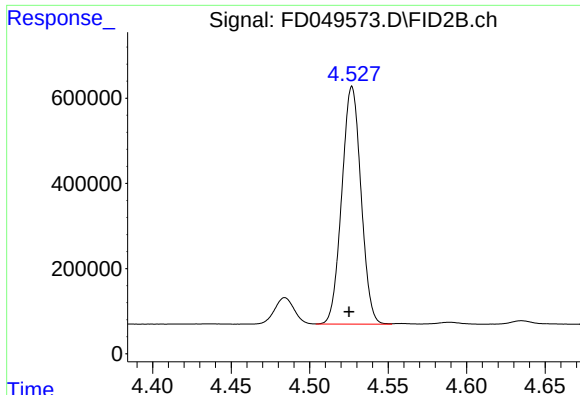
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.527 min
Delta R.T.: 0.002 min
Response: 4755017
Conc: 36.81 ug/ml

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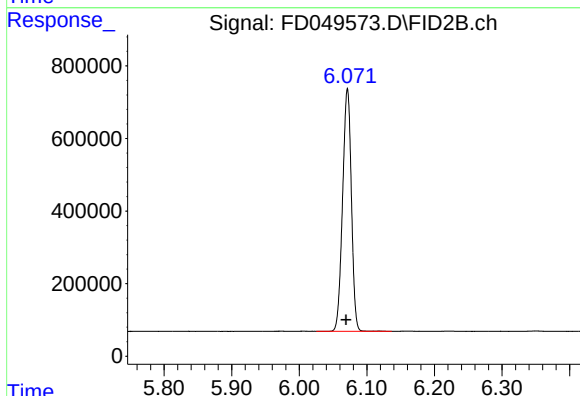
PB168879BS

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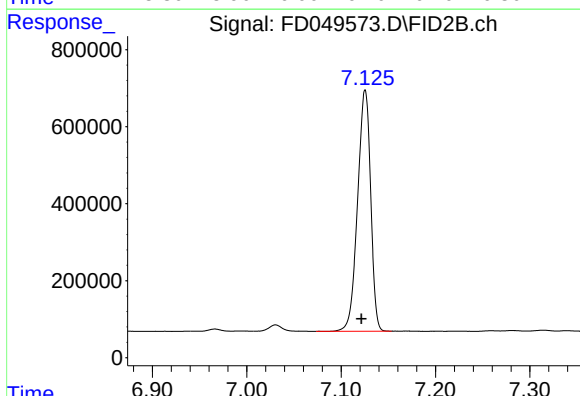
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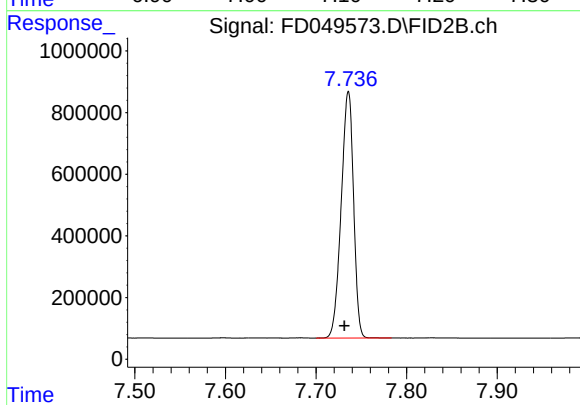
#2 Naphthalene (C11.7)

R.T.: 6.071 min
Delta R.T.: 0.002 min
Response: 6044098
Conc: 41.30 ug/ml



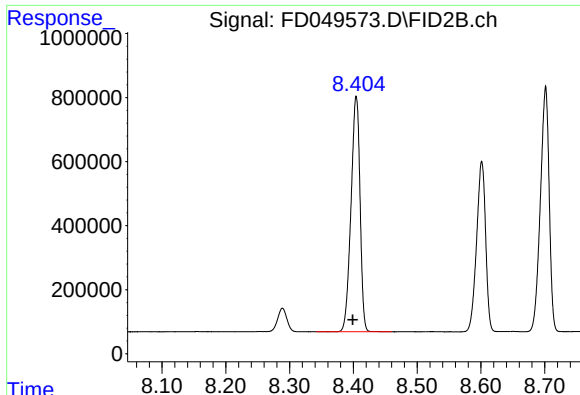
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.125 min
Delta R.T.: 0.004 min
Response: 6035881
Conc: 39.75 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.736 min
Delta R.T.: 0.005 min
Response: 7598108
Conc: 58.07 ug/ml



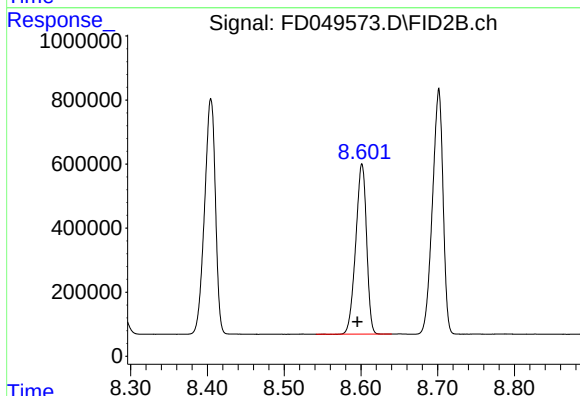
#5 Acenaphthylene (C15.06)

R.T.: 8.405 min
Delta R.T.: 0.006 min
Response: 7230562
Conc: 45.55 ug/ml

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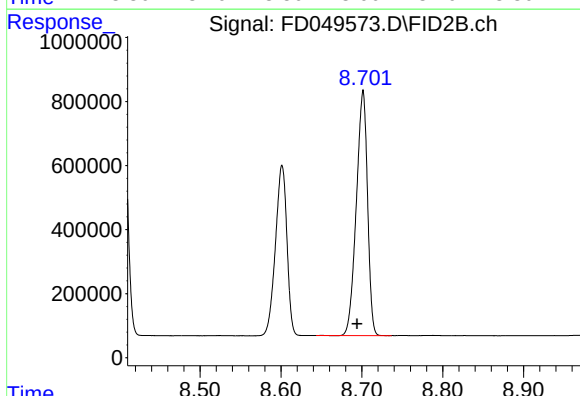
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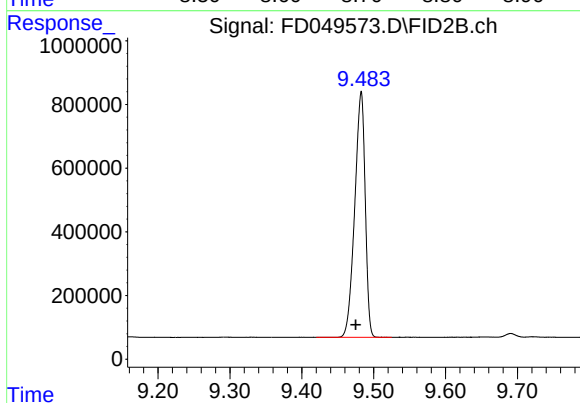
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.601 min
Delta R.T.: 0.006 min
Response: 5229685
Conc: 56.44 ug/ml



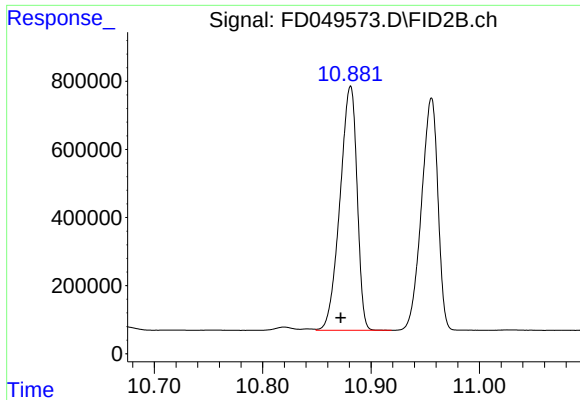
#7 Acenaphthene (C15.5)

R.T.: 8.701 min
Delta R.T.: 0.007 min
Response: 7341109
Conc: 46.37 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.483 min
Delta R.T.: 0.008 min
Response: 7783899
Conc: 48.73 ug/ml



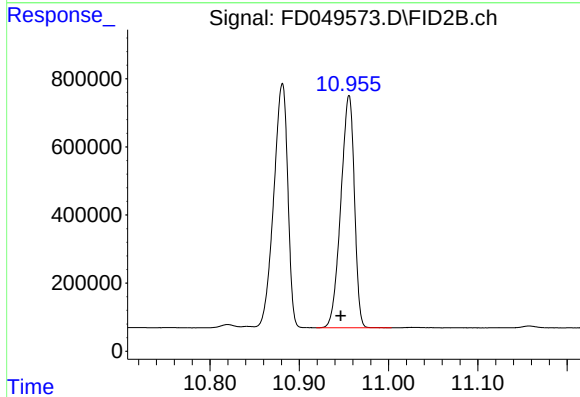
#9 Phenanthrene (C19.36)

R.T.: 10.881 min
Delta R.T.: 0.009 min
Response: 7859375
Conc: 47.98 ug/ml

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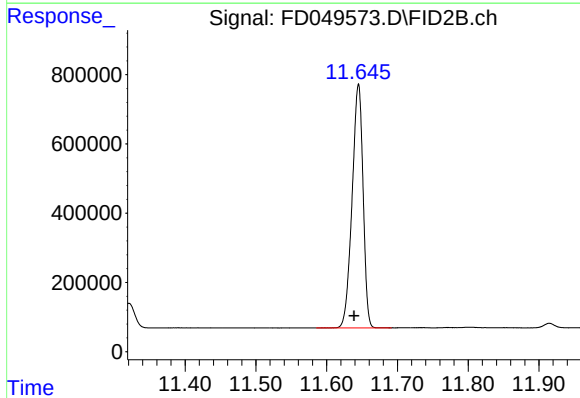
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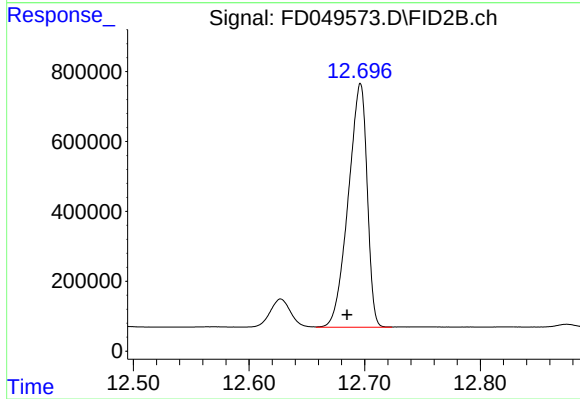
#10 Anthracene (C19.43)

R.T.: 10.956 min
Delta R.T.: 0.009 min
Response: 7202355
Conc: 45.21 ug/ml



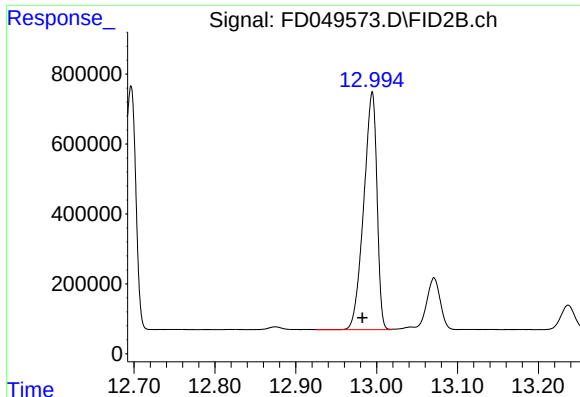
#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: 0.006 min
Response: 7570807
Conc: 46.17 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.696 min
Delta R.T.: 0.011 min
Response: 7899361
Conc: 48.60 ug/ml m



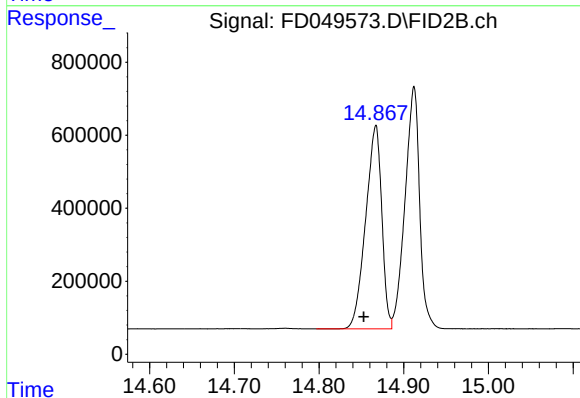
#13 Pyrene (C20.8)

R.T.: 12.994 min
Delta R.T.: 0.012 min
Response: 7720563
Conc: 47.57 ug/ml

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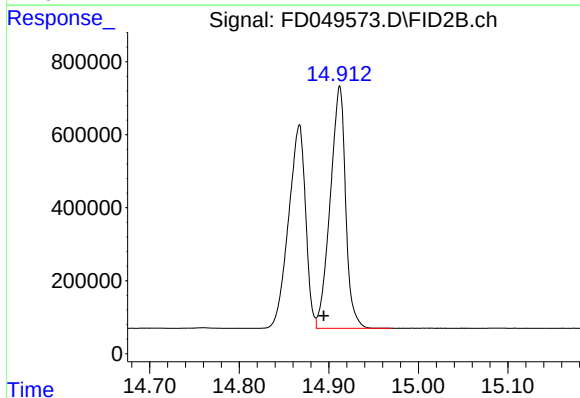
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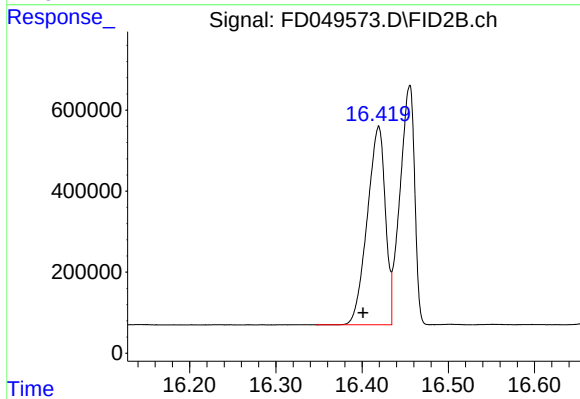
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.867 min
Delta R.T.: 0.014 min
Response: 7344148
Conc: 50.15 ug/ml



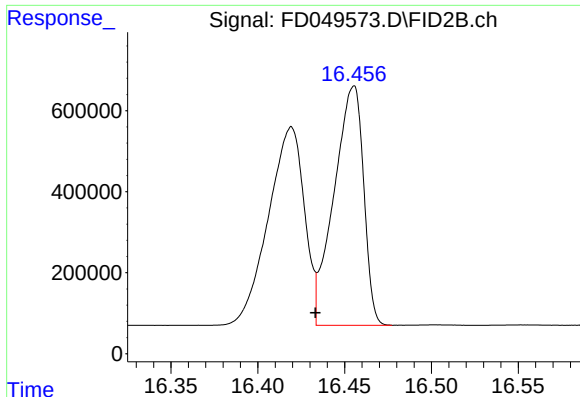
#15 Chrysene (C27.41)

R.T.: 14.912 min
Delta R.T.: 0.018 min
Response: 7932225
Conc: 53.30 ug/ml



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

R.T.: 16.419 min
Delta R.T.: 0.018 min
Response: 7122963
Conc: 50.27 ug/ml



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

R.T.: 16.456 min
Delta R.T.: 0.022 min
Response: 6989637
Conc: 52.28 ug/ml

Instrument :

FID_D

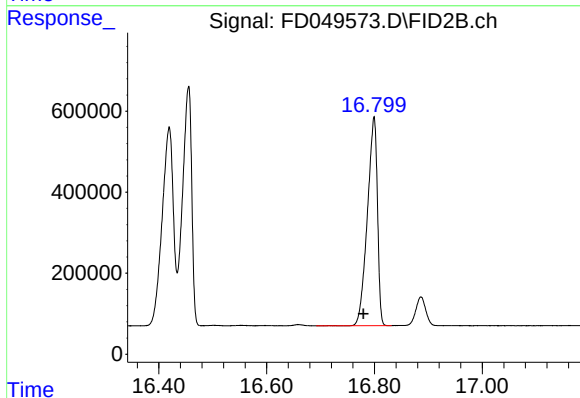
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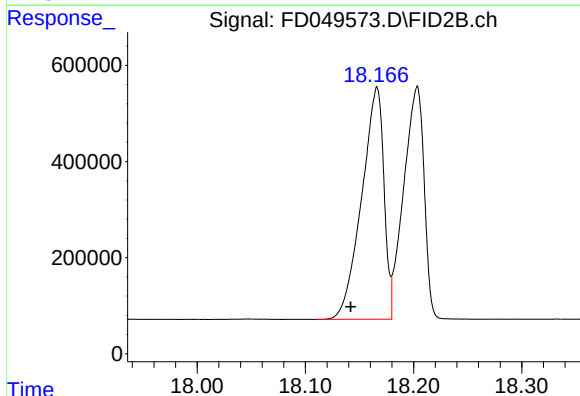
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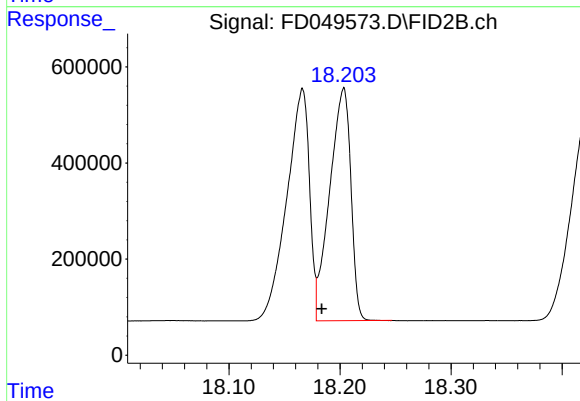
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.799 min
Delta R.T.: 0.020 min
Response: 6664888
Conc: 48.41 ug/ml



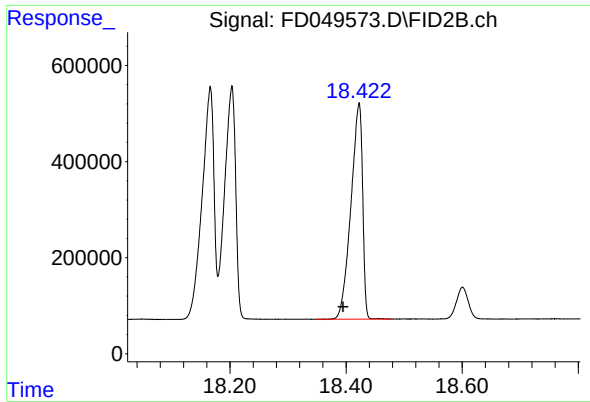
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.166 min
Delta R.T.: 0.024 min
Response: 6908986
Conc: 55.16 ug/ml



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

R.T.: 18.203 min
Delta R.T.: 0.020 min
Response: 6394549
Conc: 48.54 ug/ml m



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

R.T.: 18.422 min
Delta R.T.: 0.028 min
Response: 6260757
Conc: 47.31 ug/ml

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