

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082625AR\
 Data File : FD049673.D
 Signal(s) : FID2B.ch
 Acq On : 26 Aug 2025 16:21
 Operator : YP/AJ
 Sample : PB169398BS
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB169398BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 08/27/2025

Supervised By :mohammad ahmed 08/29/2025

Integration File: autoint1.e

Quant Time: Aug 27 01:42:43 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M

Quant Title : GC Extractables

Qlast Update : Mon Aug 11 14:11:57 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...	7.716	6001678	58.560 ug/ml
Spiked Amount 50.000		Recovery =	117.12%
6) S 2-Fluorobiphenyl (SURR)	8.581	4208858	57.619 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	115.24%
11) S ortho-Terphenyl (SURR)	11.628	6108502	47.063 ug/ml
Spiked Amount 50.000		Recovery =	94.13%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.506	3764713	37.193 ug/ml
2) T Naphthalene (C11.7)	6.050	4782323	41.709 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	4802811	40.261 ug/ml
5) T Acenaphthylene (C15.06)	8.384	5803238	46.163 ug/ml
7) T Acenaphthene (C15.5)	8.681	5904981	46.964 ug/ml
8) T Flouorene (C16.55)	9.463	6301350	49.770 ug/ml
9) T Phenanthrene (C19.36)	10.862	6438724	49.844 ug/ml
10) T Anthracene (C19.43)	10.937	5404483	43.870 ug/ml
12) T Fluoranthene (C21.85)	12.677	6536536	51.060 ug/ml
13) T Pyrene (C20.8)	12.976	6405419	50.450 ug/ml
14) T Benzo[a]anthracene (C...	14.849	6065276	52.561 ug/ml
15) T Chrysene (C27.41)	14.893	6599667	56.368 ug/ml
16) T benzo[b]fluoranthene ...	16.400	6076854	53.430 ug/ml
17) T Bnezo[k]fluoranthene ...	16.436	5880280	54.932 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.781	5687438	51.267 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	6029338	58.493 ug/ml
20) T Dibenz[a,h]anthracene...	18.186	5776843	52.999 ug/ml
21) T Benzo[g,h,i]perylene ...	18.404	5452384	49.896 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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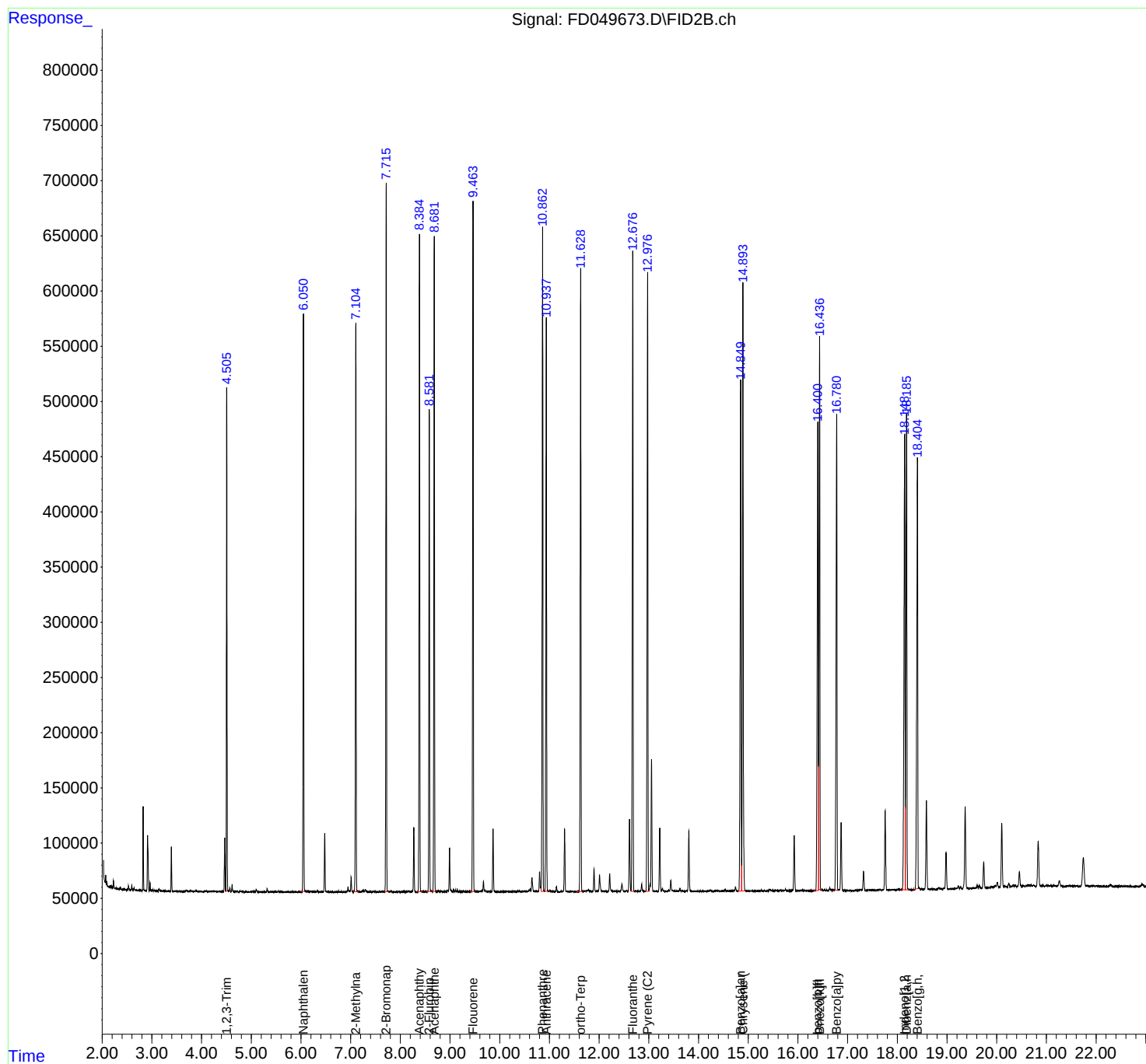
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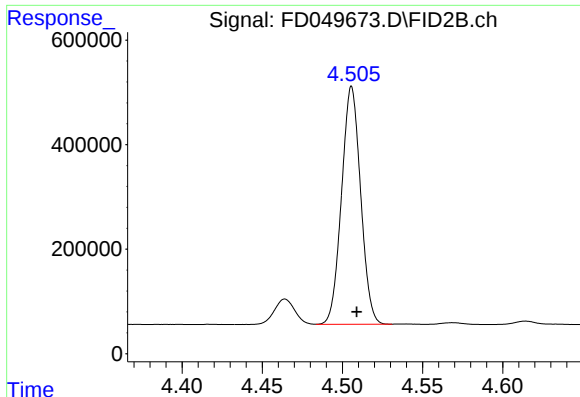
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Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.506 min
Delta R.T.: -0.003 min
Response: 3764713
Conc: 37.19 ug/ml

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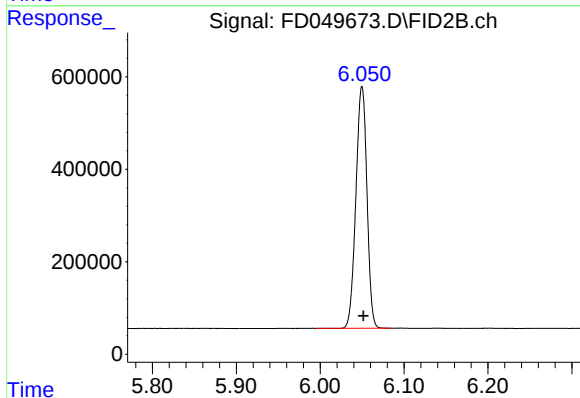
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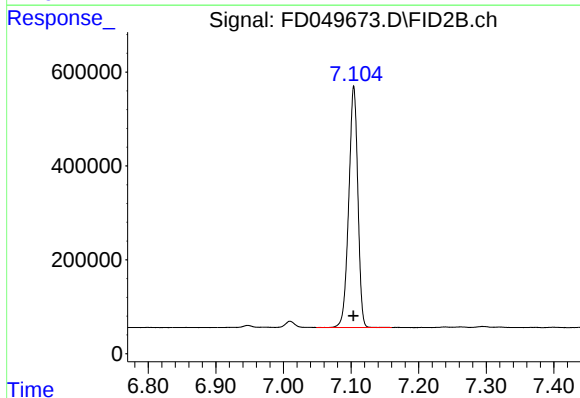
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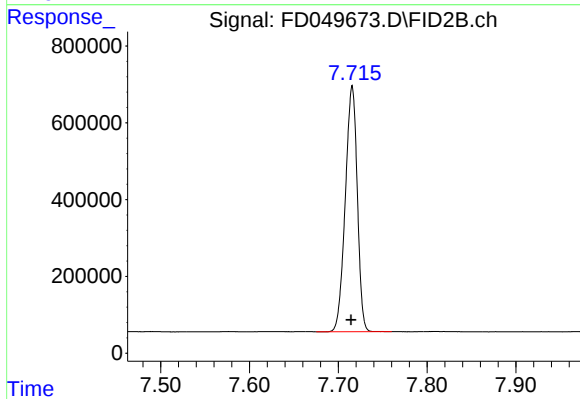
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.002 min
Response: 4782323
Conc: 41.71 ug/ml



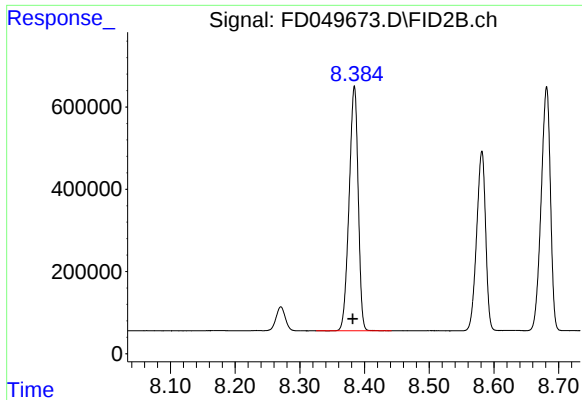
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: 0.000 min
Response: 4802811
Conc: 40.26 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.716 min
Delta R.T.: 0.001 min
Response: 6001678
Conc: 58.56 ug/ml



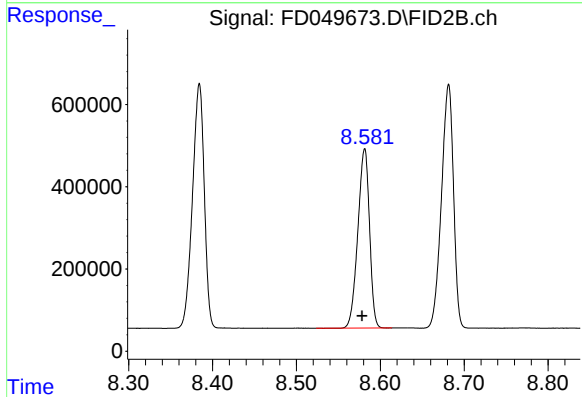
#5 Acenaphthylene (C15.06)

R.T.: 8.384 min
Delta R.T.: 0.003 min
Response: 5803238
Conc: 46.16 ug/ml

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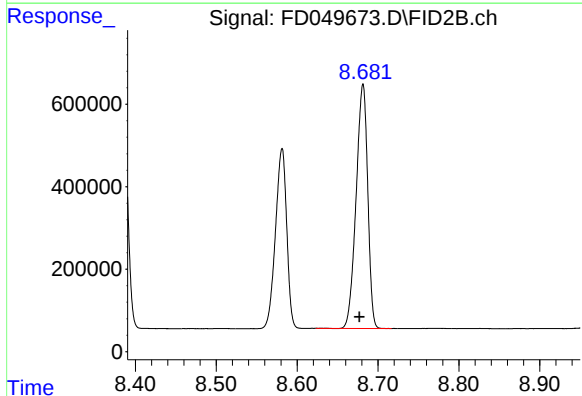
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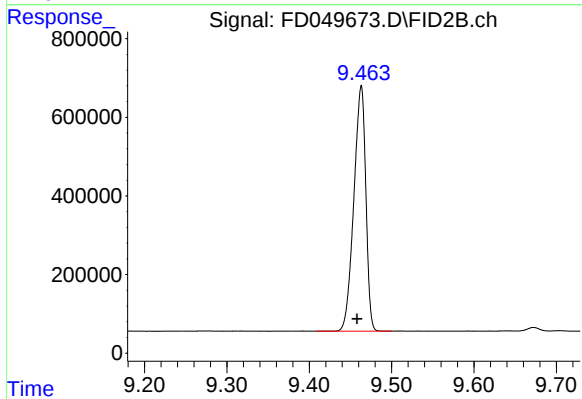
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.581 min
Delta R.T.: 0.003 min
Response: 4208858
Conc: 57.62 ug/ml



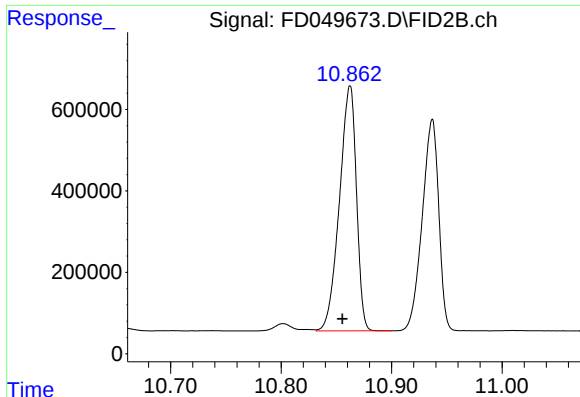
#7 Acenaphthene (C15.5)

R.T.: 8.681 min
Delta R.T.: 0.004 min
Response: 5904981
Conc: 46.96 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.463 min
Delta R.T.: 0.005 min
Response: 6301350
Conc: 49.77 ug/ml



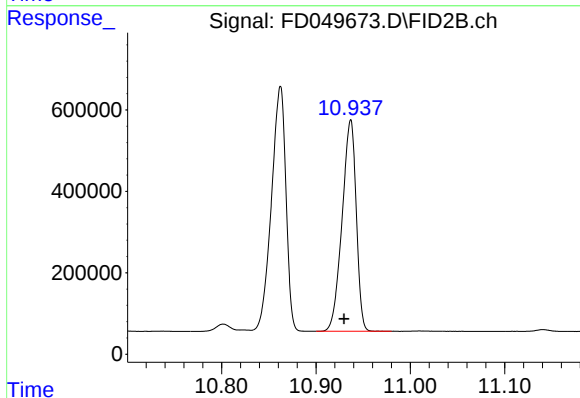
#9 Phenanthrene (C19.36)

R.T.: 10.862 min
Delta R.T.: 0.007 min
Response: 6438724
Conc: 49.84 ug/ml

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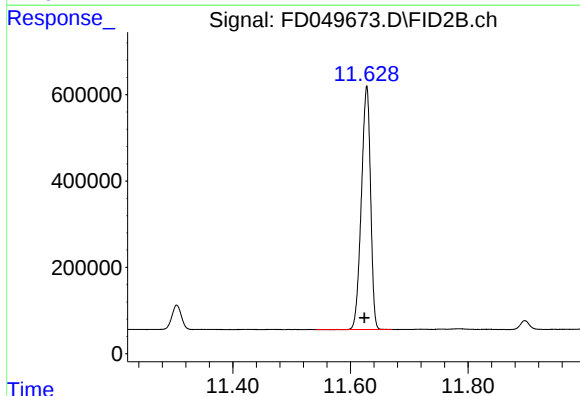
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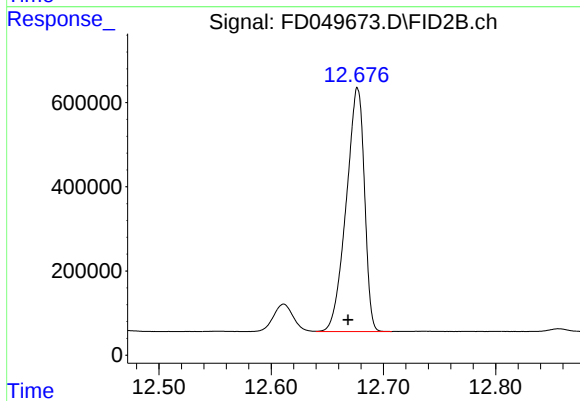
#10 Anthracene (C19.43)

R.T.: 10.937 min
Delta R.T.: 0.007 min
Response: 5404483
Conc: 43.87 ug/ml



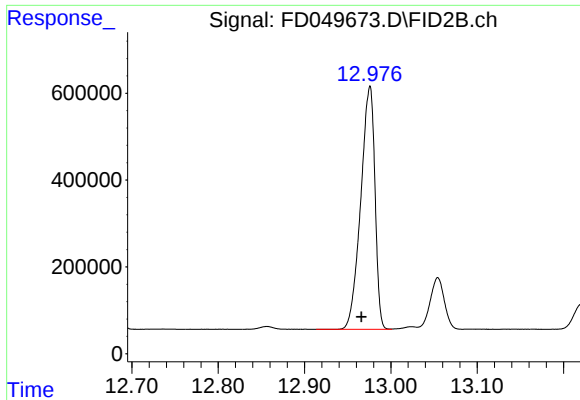
#11 ortho-Terphenyl (SURR)

R.T.: 11.628 min
Delta R.T.: 0.004 min
Response: 6108502
Conc: 47.06 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.677 min
Delta R.T.: 0.008 min
Response: 6536536
Conc: 51.06 ug/ml



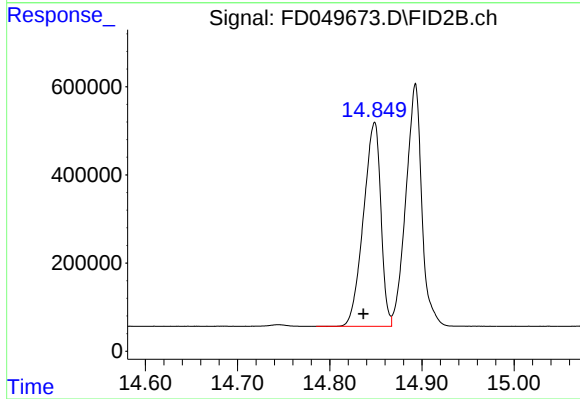
#13 Pyrene (C20.8)

R.T.: 12.976 min
Delta R.T.: 0.010 min
Response: 6405419
Conc: 50.45 ug/ml

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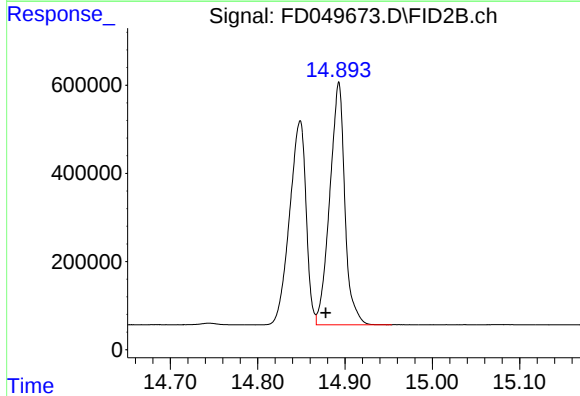
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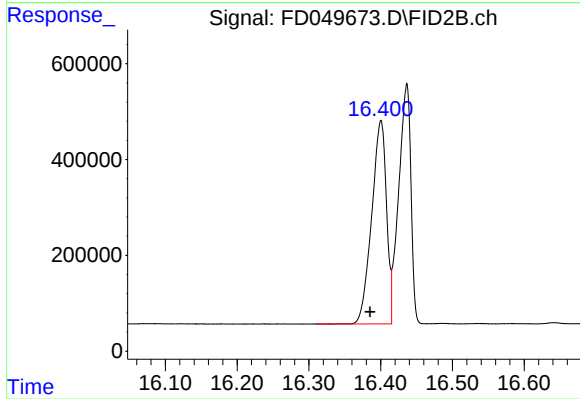
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.849 min
Delta R.T.: 0.012 min
Response: 6065276
Conc: 52.56 ug/ml



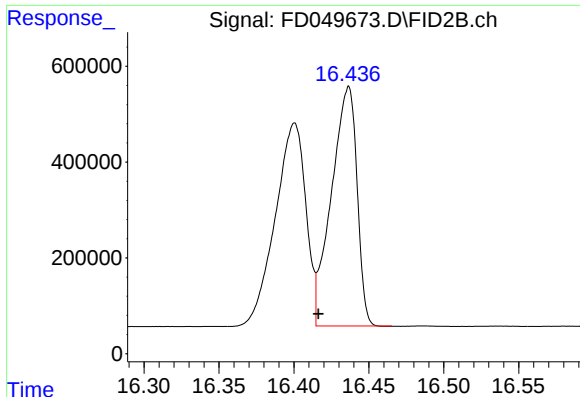
#15 Chrysene (C27.41)

R.T.: 14.893 min
Delta R.T.: 0.015 min
Response: 6599667
Conc: 56.37 ug/ml



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

R.T.: 16.400 min
Delta R.T.: 0.015 min
Response: 6076854
Conc: 53.43 ug/ml



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

R.T.: 16.436 min
Delta R.T.: 0.020 min
Response: 5880280
Conc: 54.93 ug/ml

Instrument :

FID_D

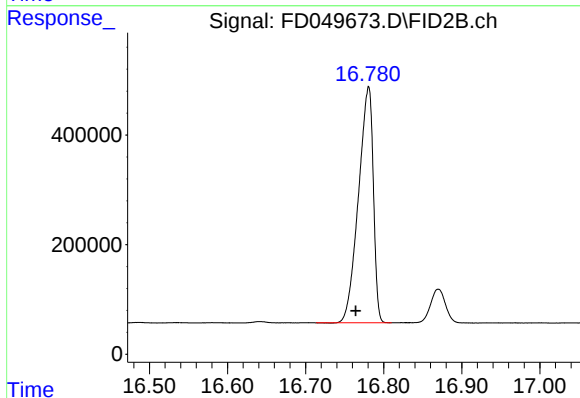
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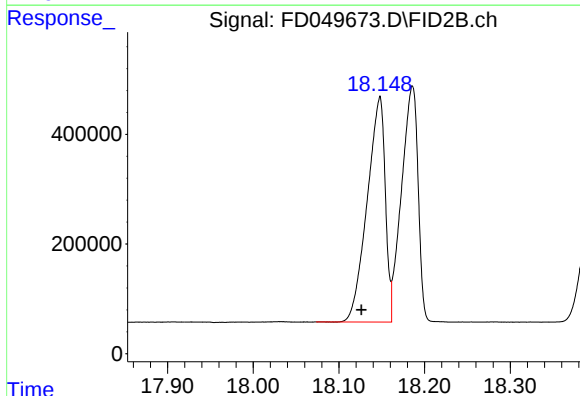
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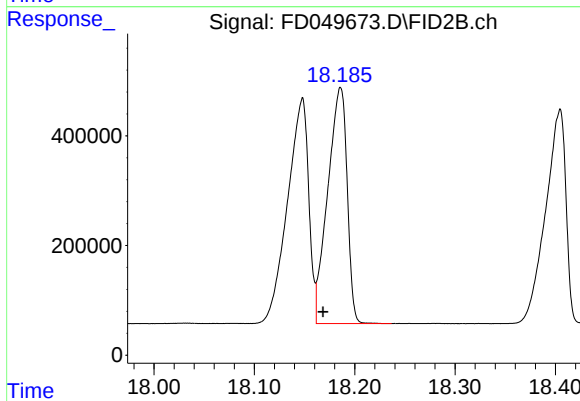
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.781 min
Delta R.T.: 0.016 min
Response: 5687438
Conc: 51.27 ug/ml



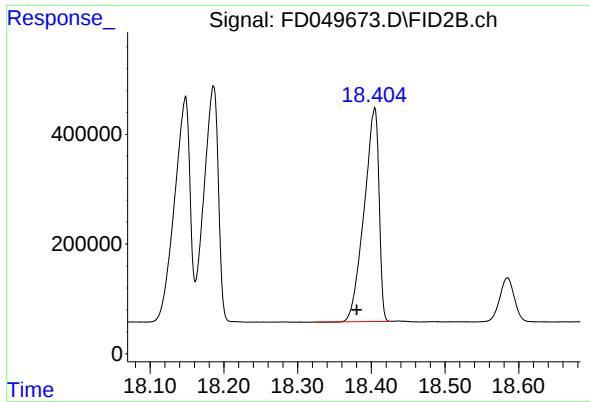
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.148 min
Delta R.T.: 0.021 min
Response: 6029338
Conc: 58.49 ug/ml



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

R.T.: 18.186 min
Delta R.T.: 0.017 min
Response: 5776843
Conc: 53.00 ug/ml



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

R.T.: 18.404 min
Delta R.T.: 0.024 min
Response: 5452384
Conc: 49.90 ug/ml

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