

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101525AR\
 Data File : FD049844.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2025 16:05
 Operator : YP/AJ
 Sample : PB170099BSD
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB170099BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File: autoint1.e
 Quant Time: Oct 16 05:44:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 100225.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 02 17:50:17 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...	7.703	4248753	35.759 ug/ml
Spiked Amount 50.000		Recovery =	71.52%
6) S 2-Fluorobiphenyl (SURR)	8.568	3000169	35.338 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	70.68%
11) S ortho-Terphenyl (SURR)	11.616	5990079	40.125 ug/ml
Spiked Amount 50.000		Recovery =	80.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.496	3385468	29.790 ug/ml
2) T Naphthalene (C11.7)	6.038	4201285	31.843 ug/ml
3) T 2-Methylnaphthalene (...)	7.092	4202652	30.374 ug/ml
5) T Acenaphthylene (C15.06)	8.371	5105588	34.945 ug/ml
7) T Acenaphthene (C15.5)	8.668	5166340	35.480 ug/ml
8) T Flouorene (C16.55)	9.450	5523408	37.822 ug/ml
9) T Phenanthrene (C19.36)	10.848	5840539	39.954 ug/ml
10) T Anthracene (C19.43)	10.924	5426843	39.935 ug/ml
12) T Fluoranthene (C21.85)	12.665	6016797	42.233 ug/ml
13) T Pyrene (C20.8)	12.963	6062305	43.125 ug/ml
14) T Benzo[a]anthracene (C...	14.835	5499463	43.727 ug/ml
15) T Chrysene (C27.41)	14.880	6088884	47.395 ug/ml
16) T benzo[b]fluoranthene ...	16.387	5448651	43.741 ug/ml
17) T Bnezo[k]fluoranthene ...	16.423	5246372	44.663 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.767	5224618	43.051 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.133	5371744	47.775 ug/ml
20) T Dibenz[a,h]anthracene...	18.172	5058104	41.372 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.389	4859366	40.629 ug/ml

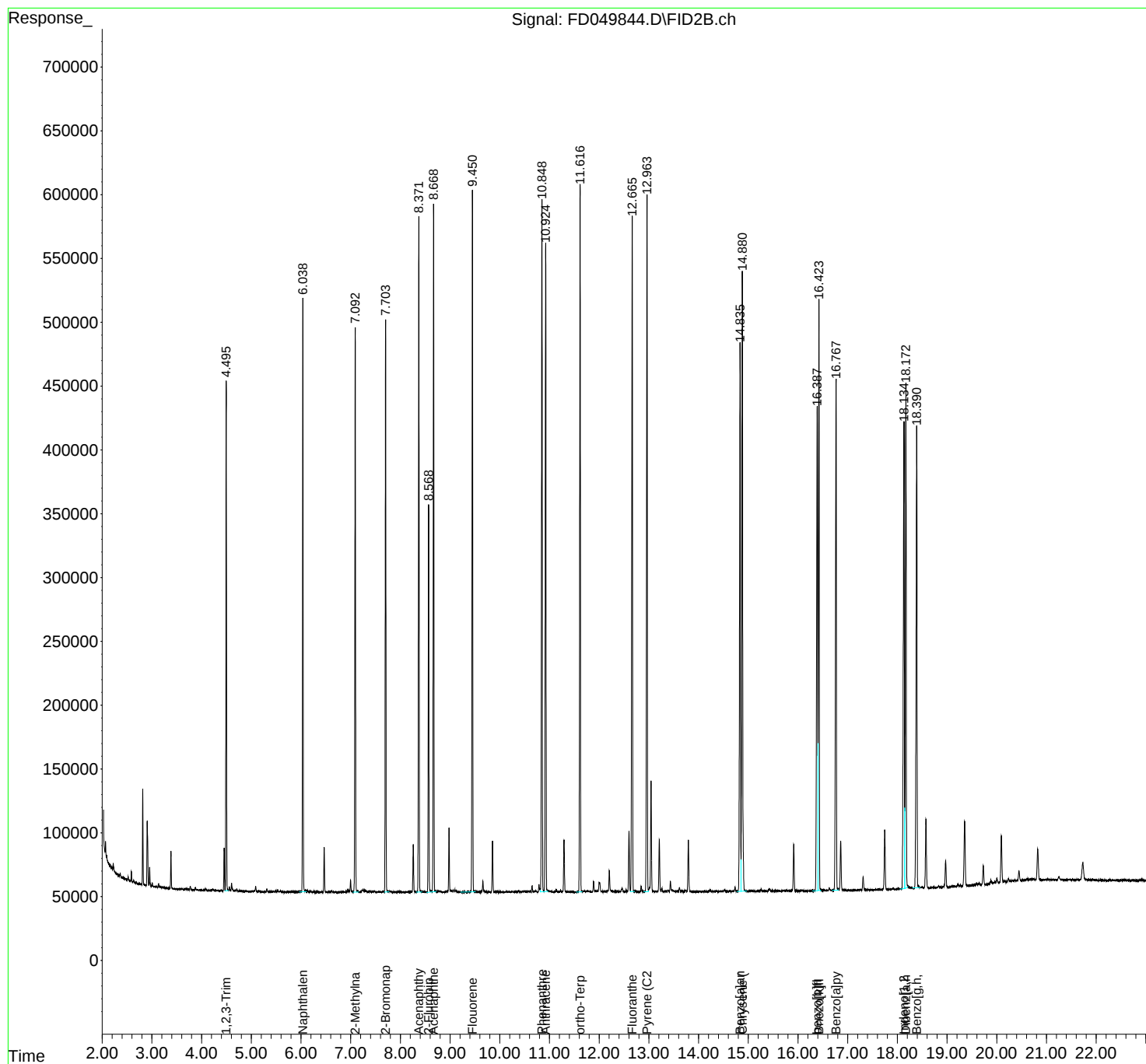
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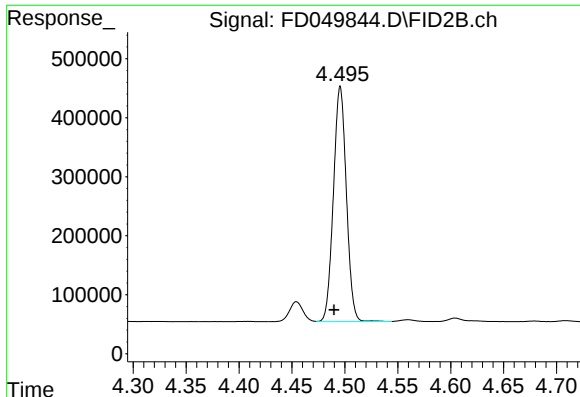
(m)=manual int.

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Volume Inj. : 1 µl
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.496 min
Delta R.T.: 0.006 min
Response: 3385468
Conc: 29.79 ug/ml

Instrument :

FID_D

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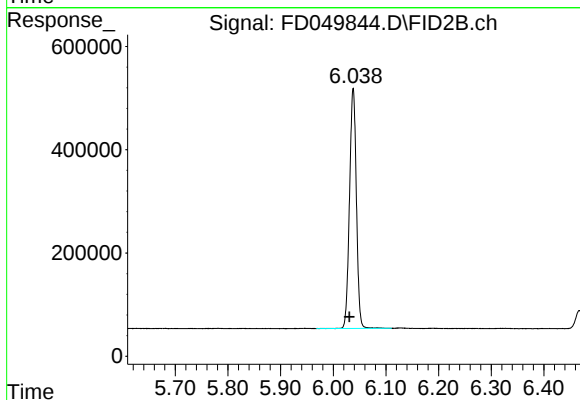
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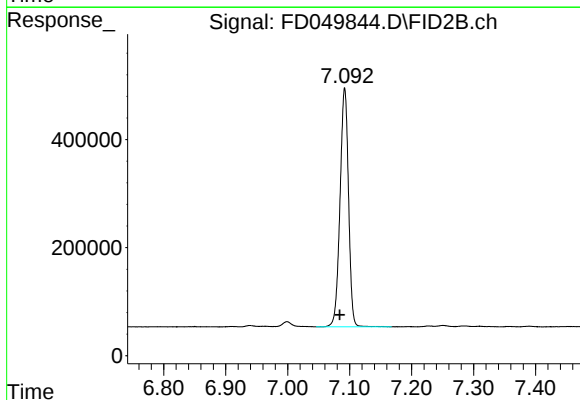
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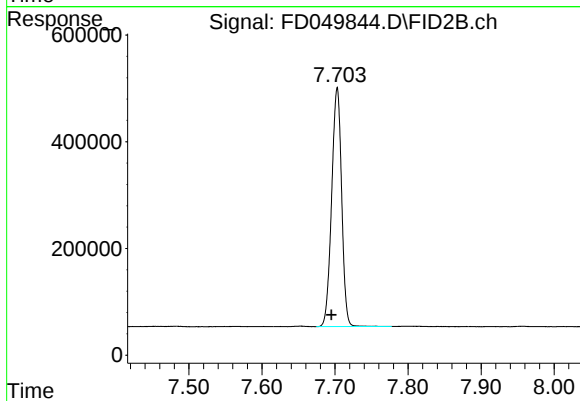
#2 Naphthalene (C11.7)

R.T.: 6.038 min
Delta R.T.: 0.007 min
Response: 4201285
Conc: 31.84 ug/ml



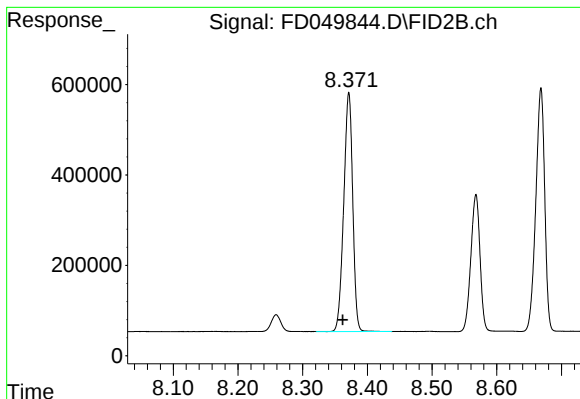
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.092 min
Delta R.T.: 0.008 min
Response: 4202652
Conc: 30.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.703 min
Delta R.T.: 0.008 min
Response: 4248753
Conc: 35.76 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.371 min
Delta R.T.: 0.009 min
Response: 5105588
Conc: 34.95 ug/ml

Instrument :

FID_D

ClientSampleId :

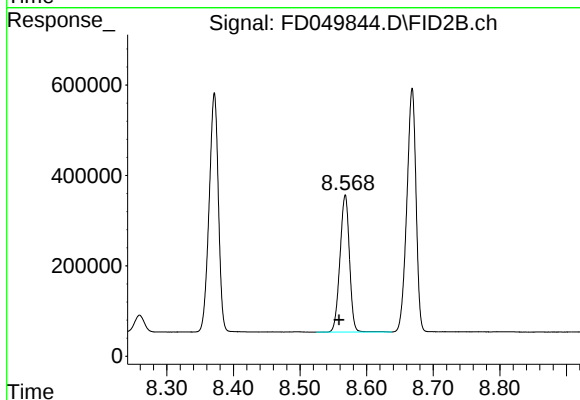
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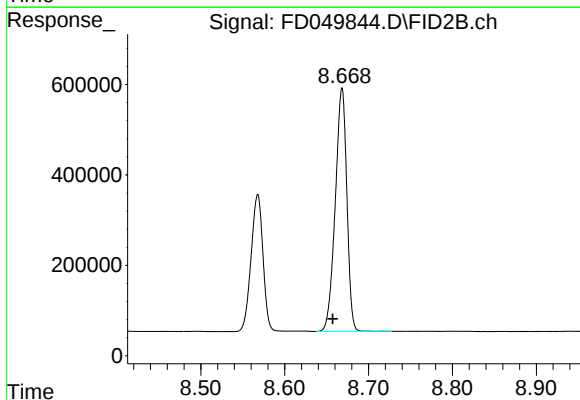
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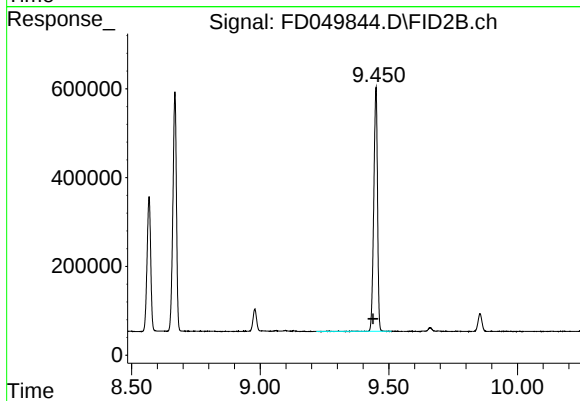
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.568 min
Delta R.T.: 0.009 min
Response: 3000169
Conc: 35.34 ug/ml



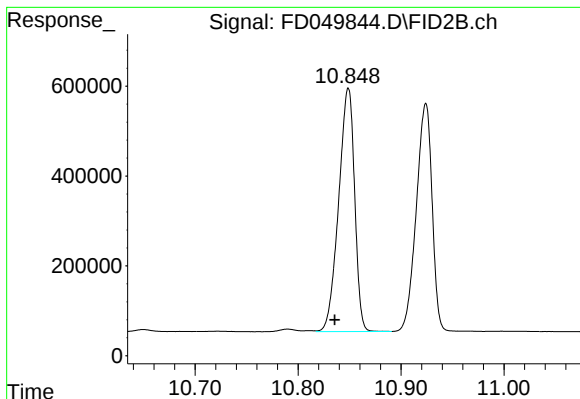
#7 Acenaphthene (C15.5)

R.T.: 8.668 min
Delta R.T.: 0.011 min
Response: 5166340
Conc: 35.48 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.450 min
Delta R.T.: 0.011 min
Response: 5523408
Conc: 37.82 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.848 min
Delta R.T.: 0.013 min
Response: 5840539
Conc: 39.95 ug/ml

Instrument :

FID_D

ClientSampleId :

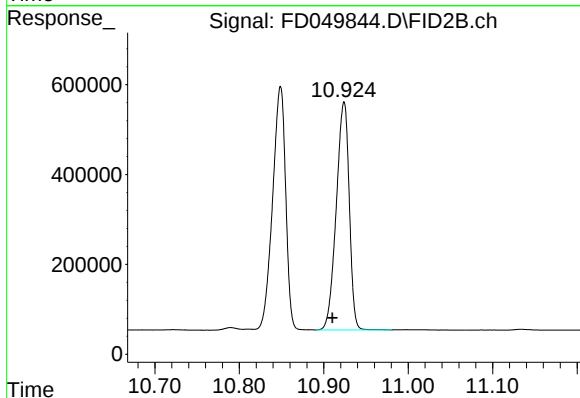
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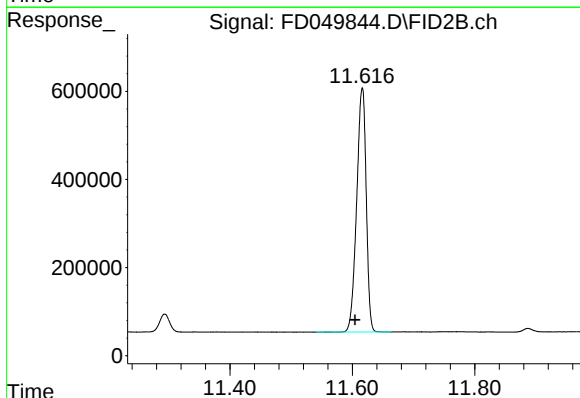
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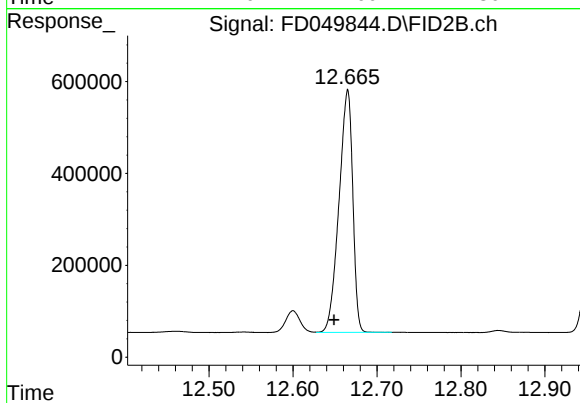
#10 Anthracene (C19.43)

R.T.: 10.924 min
Delta R.T.: 0.013 min
Response: 5426843
Conc: 39.93 ug/ml



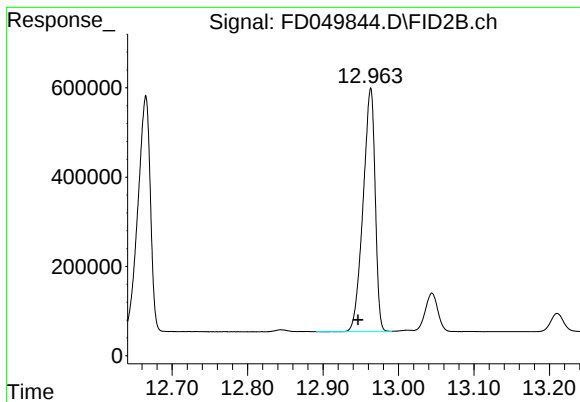
#11 ortho-Terphenyl (SURR)

R.T.: 11.616 min
Delta R.T.: 0.012 min
Response: 5990079
Conc: 40.13 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.665 min
Delta R.T.: 0.015 min
Response: 6016797
Conc: 42.23 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.963 min
Delta R.T.: 0.016 min
Response: 6062305
Conc: 43.12 ug/ml

Instrument :

FID_D

ClientSampleId :

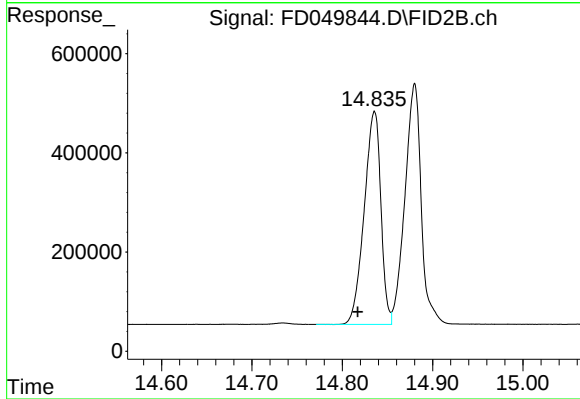
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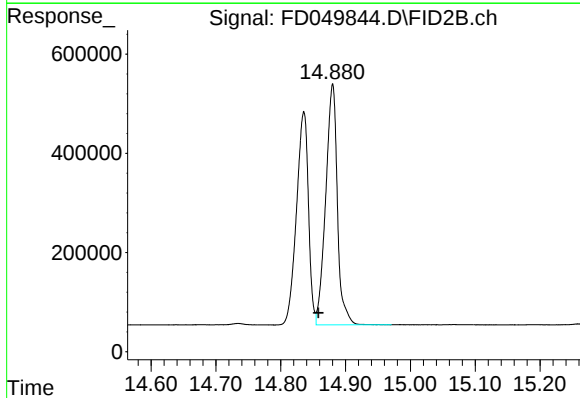
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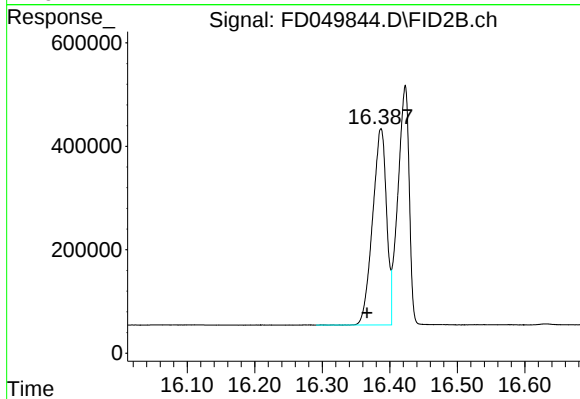
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.835 min
Delta R.T.: 0.018 min
Response: 5499463
Conc: 43.73 ug/ml



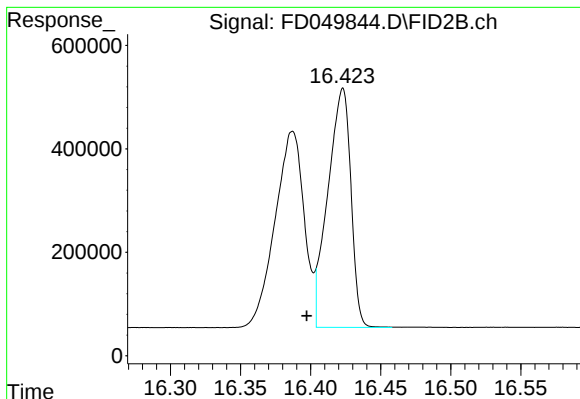
#15 Chrysene (C27.41)

R.T.: 14.880 min
Delta R.T.: 0.022 min
Response: 6088884
Conc: 47.40 ug/ml



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

R.T.: 16.387 min
Delta R.T.: 0.020 min
Response: 5448651
Conc: 43.74 ug/ml



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

R.T.: 16.423 min
Delta R.T.: 0.025 min
Response: 5246372
Conc: 44.66 ug/ml

Instrument :

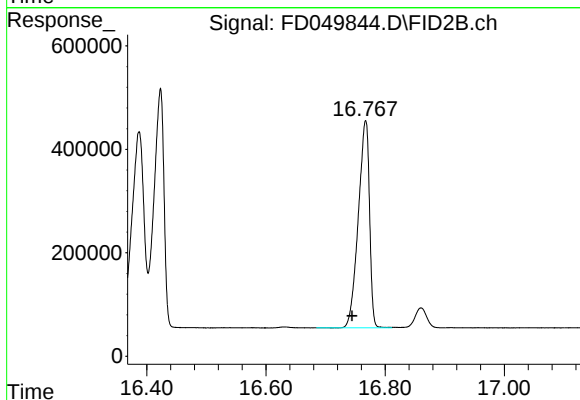
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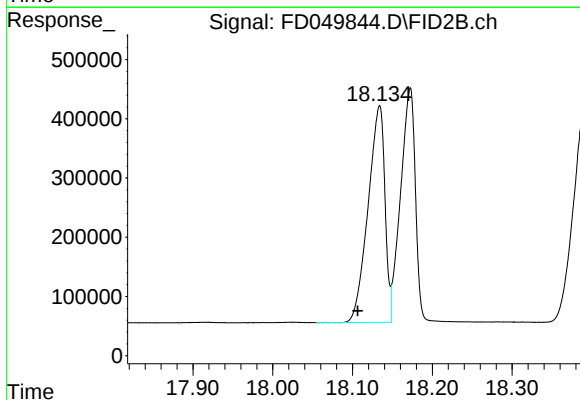
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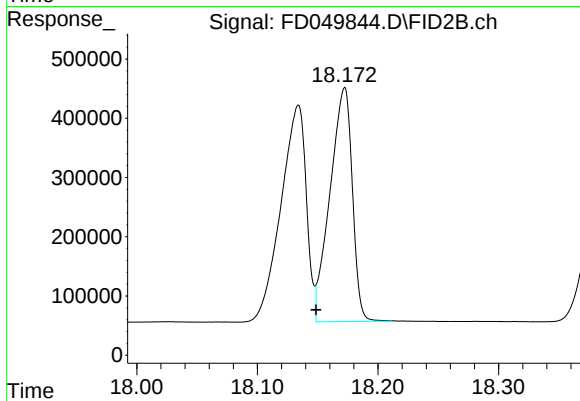
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.767 min
Delta R.T.: 0.022 min
Response: 5224618
Conc: 43.05 ug/ml



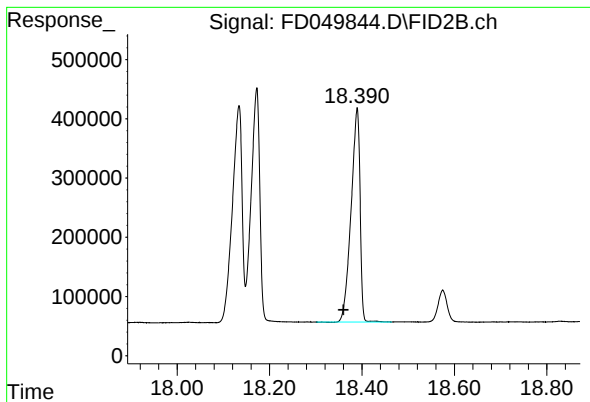
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.133 min
Delta R.T.: 0.026 min
Response: 5371744
Conc: 47.77 ug/ml



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

R.T.: 18.172 min
Delta R.T.: 0.024 min
Response: 5058104
Conc: 41.37 ug/ml m



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

R.T.: 18.389 min
Delta R.T.: 0.029 min
Response: 4859366
Conc: 40.63 ug/ml

Instrument :

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