

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100825AR\
 Data File : FD049830.D
 Signal(s) : FID2B.ch
 Acq On : 08 Oct 2025 10:06
 Operator : YP/AJ
 Sample : PB170011BSD
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB170011BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/09/2025
 Supervised By :mohammad ahmed 10/10/2025

Integration File: sample.E
 Quant Time: Oct 09 06:27:01 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	4975486	41.876 ug/ml
Spiked Amount 50.000		Recovery =	83.75%
6) S 2-Fluorobiphenyl (SURR)	8.568	3546519	41.773 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	83.55%
11) S ortho-Terphenyl (SURR)	11.615	7115753	47.666 ug/ml
Spiked Amount 50.000		Recovery =	95.33%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.495	3925170	34.540 ug/ml
2) T Naphthalene (C11.7)	6.037	4874958	36.949 ug/ml
3) T 2-Methylnaphthalene (...)	7.092	4898147	35.401 ug/ml
5) T Acenaphthylene (C15.06)	8.371	5968955	40.854 ug/ml
7) T Acenaphthene (C15.5)	8.668	6074384	41.717 ug/ml
8) T Flouorene (C16.55)	9.450	6568132	44.976 ug/ml
9) T Phenanthrene (C19.36)	10.849	6931722	47.419 ug/ml
10) T Anthracene (C19.43)	10.924	6551710	48.212 ug/ml
12) T Fluoranthene (C21.85)	12.665	7161223	50.266 ug/ml
13) T Pyrene (C20.8)	12.963	7186799	51.124 ug/ml
14) T Benzo[a]anthracene (C...	14.835	6570765	52.245 ug/ml
15) T Chrysene (C27.41)	14.880	7230885	56.284 ug/ml
16) T benzo[b]fluoranthene ...	16.386	6354093	51.009 ug/ml
17) T Bnezo[k]fluoranthene ...	16.423	6380153	54.315 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.767	6093070	50.207 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.133	6320678	56.214 ug/ml
20) T Dibenz[a,h]anthracene...	18.173	6006154	49.127 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.389	5628292	47.057 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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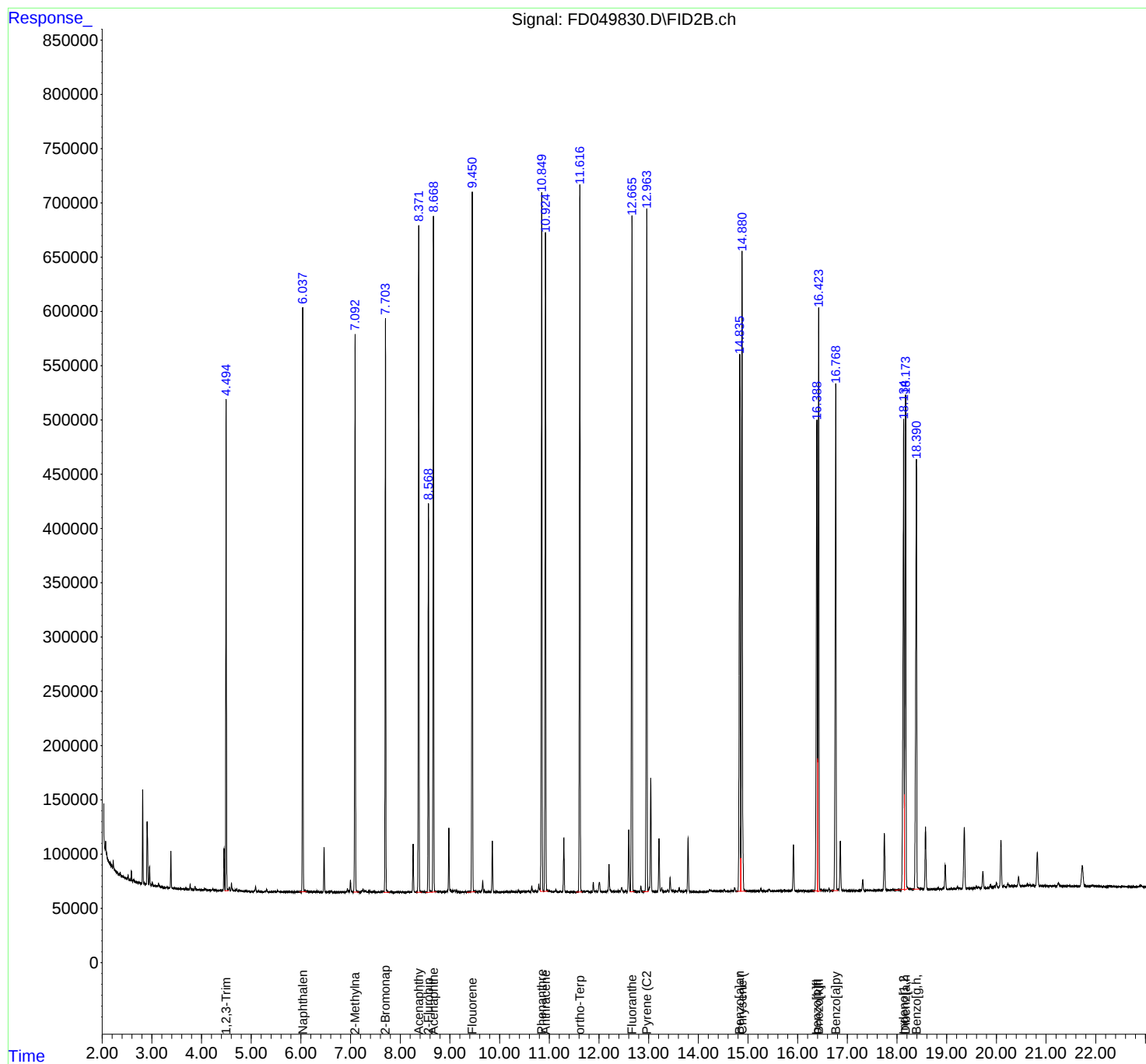
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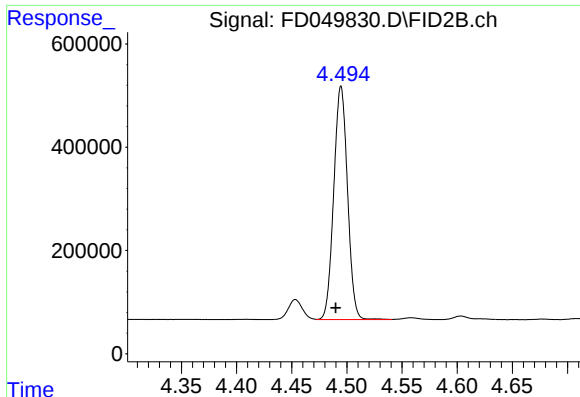
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.495 min
Delta R.T.: 0.005 min
Response: 3925170
Conc: 34.54 ug/ml

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FID_D

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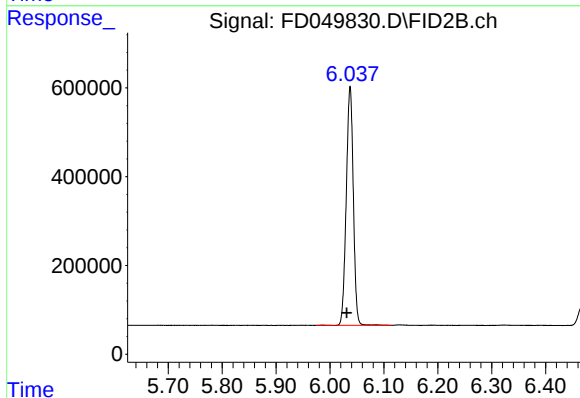
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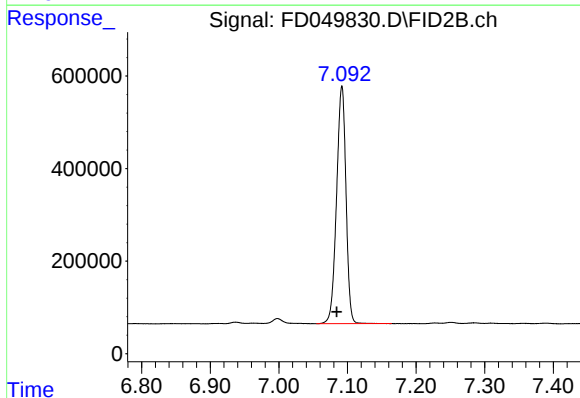
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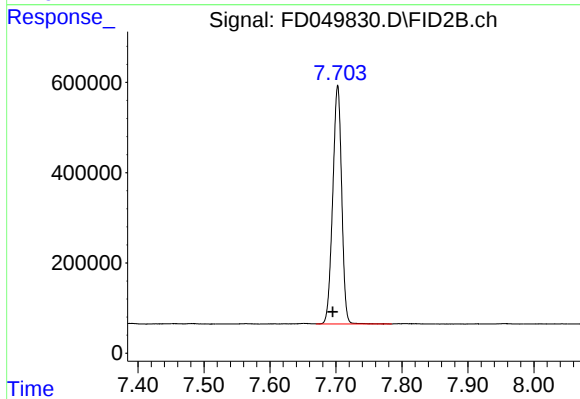
#2 Naphthalene (C11.7)

R.T.: 6.037 min
Delta R.T.: 0.006 min
Response: 4874958
Conc: 36.95 ug/ml



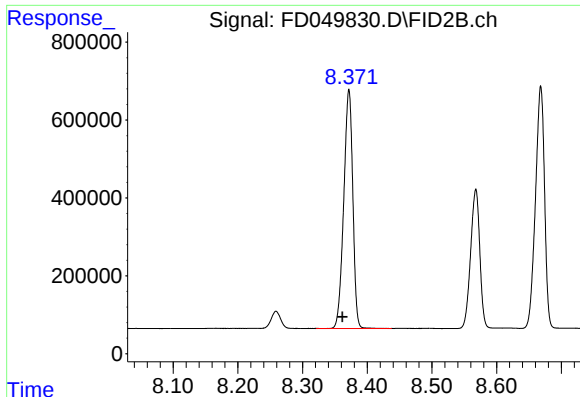
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.092 min
Delta R.T.: 0.007 min
Response: 4898147
Conc: 35.40 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.703 min
Delta R.T.: 0.007 min
Response: 4975486
Conc: 41.88 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.371 min
Delta R.T.: 0.010 min
Response: 5968955
Conc: 40.85 ug/ml

Instrument :

FID_D

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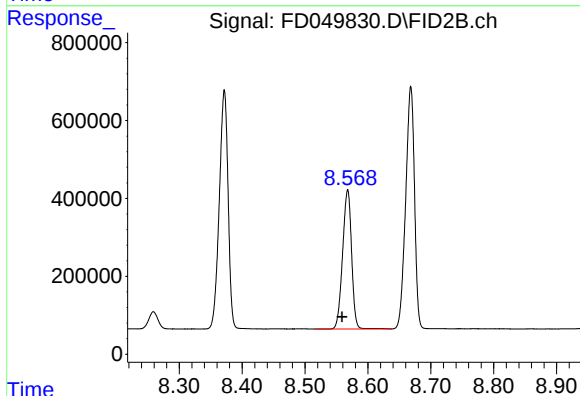
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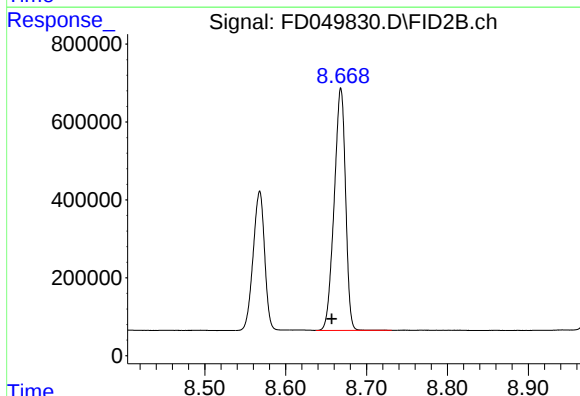
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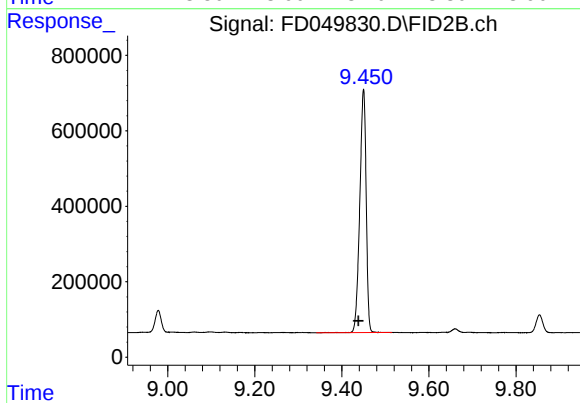
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.568 min
Delta R.T.: 0.009 min
Response: 3546519
Conc: 41.77 ug/ml



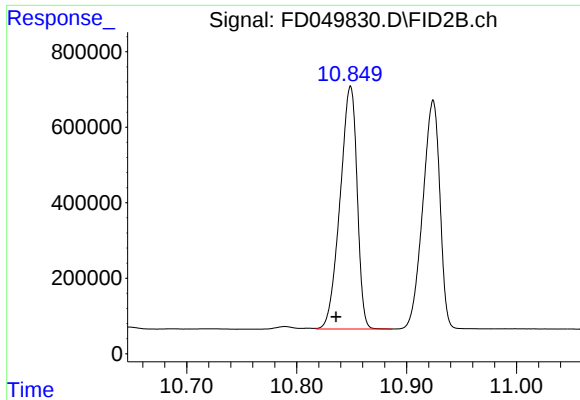
#7 Acenaphthene (C15.5)

R.T.: 8.668 min
Delta R.T.: 0.011 min
Response: 6074384
Conc: 41.72 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.450 min
Delta R.T.: 0.011 min
Response: 6568132
Conc: 44.98 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.849 min
Delta R.T.: 0.013 min
Response: 6931722
Conc: 47.42 ug/ml

Instrument :

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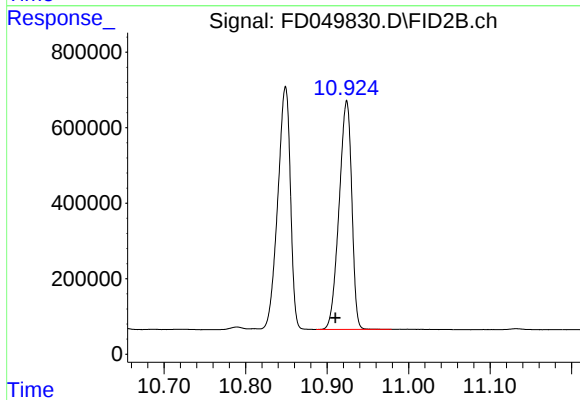
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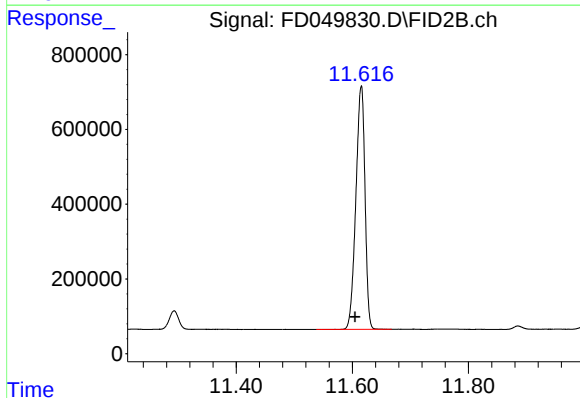
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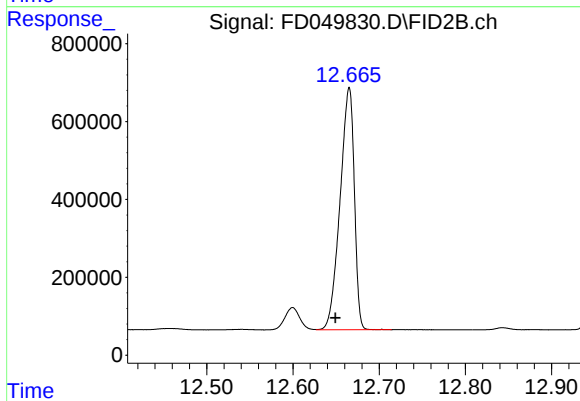
#10 Anthracene (C19.43)

R.T.: 10.924 min
Delta R.T.: 0.014 min
Response: 6551710
Conc: 48.21 ug/ml



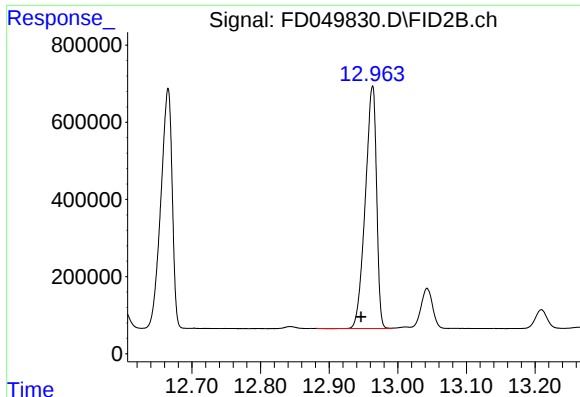
#11 ortho-Terphenyl (SURR)

R.T.: 11.615 min
Delta R.T.: 0.011 min
Response: 7115753
Conc: 47.67 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.665 min
Delta R.T.: 0.015 min
Response: 7161223
Conc: 50.27 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.963 min
Delta R.T.: 0.016 min
Response: 7186799
Conc: 51.12 ug/ml

Instrument :

FID_D

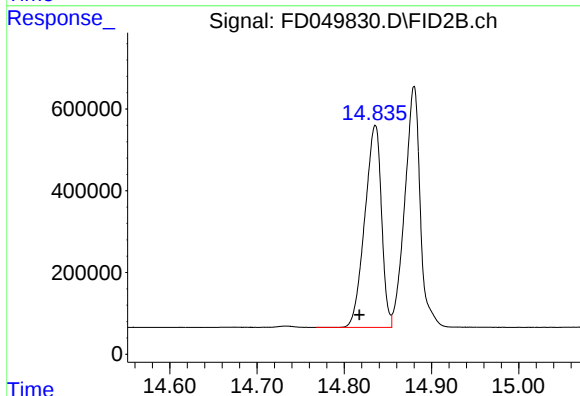
ClientSampleId :

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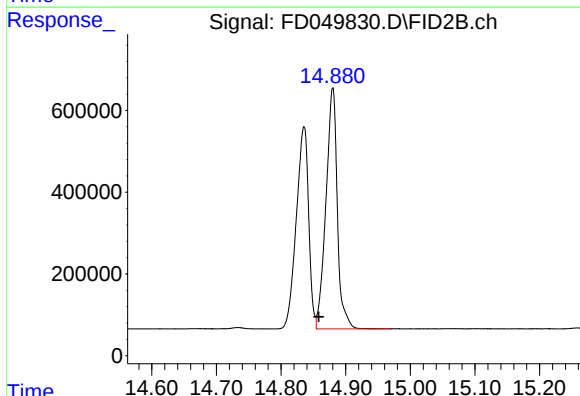
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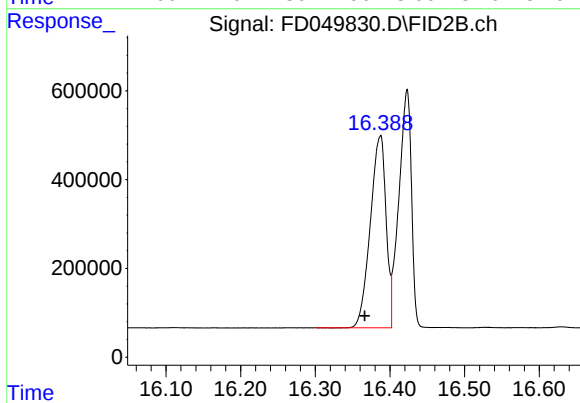
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.835 min
Delta R.T.: 0.018 min
Response: 6570765
Conc: 52.25 ug/ml



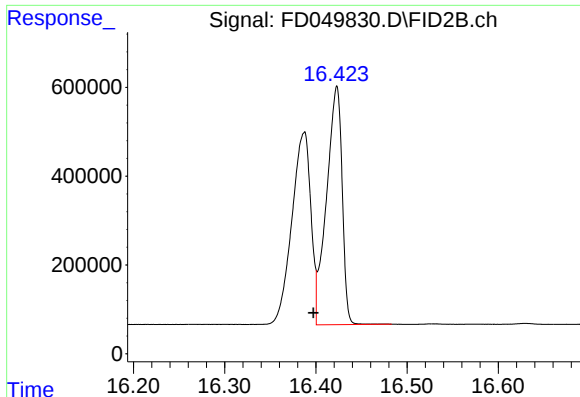
#15 Chrysene (C27.41)

R.T.: 14.880 min
Delta R.T.: 0.022 min
Response: 7230885
Conc: 56.28 ug/ml



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

R.T.: 16.386 min
Delta R.T.: 0.020 min
Response: 6354093
Conc: 51.01 ug/ml



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

R.T.: 16.423 min
Delta R.T.: 0.026 min
Response: 6380153
Conc: 54.32 ug/ml

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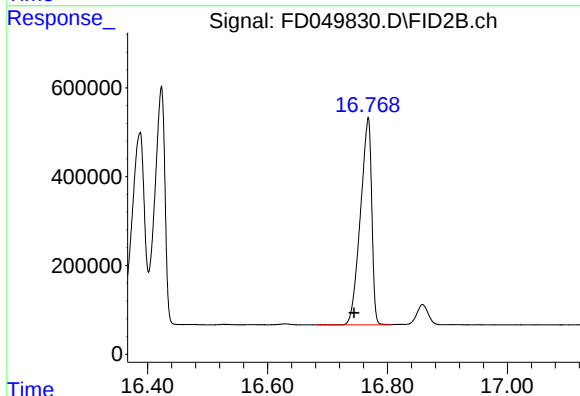
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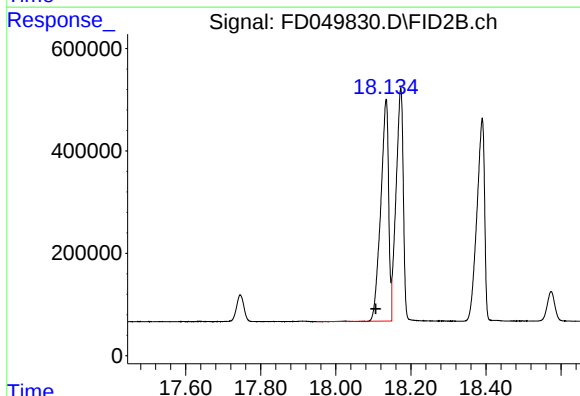
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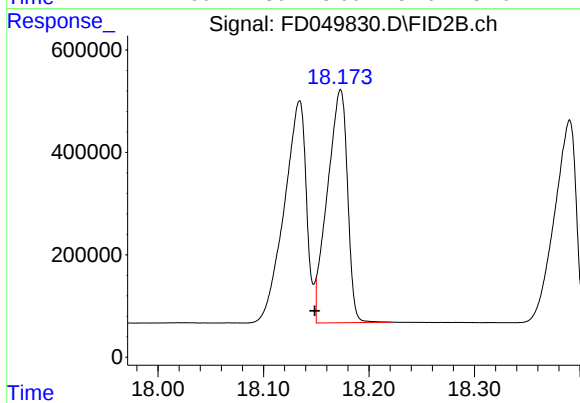
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.767 min
Delta R.T.: 0.023 min
Response: 6093070
Conc: 50.21 ug/ml



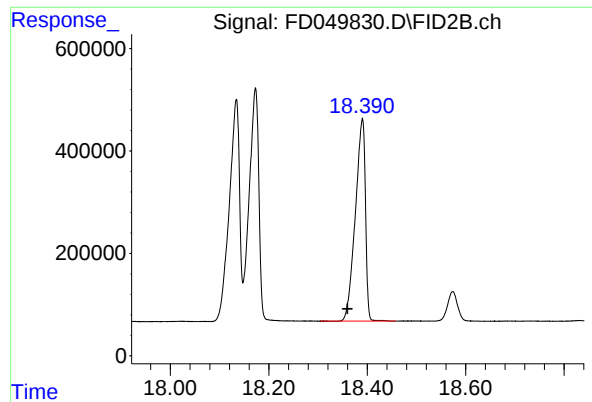
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.133 min
Delta R.T.: 0.027 min
Response: 6320678
Conc: 56.21 ug/ml



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

R.T.: 18.173 min
Delta R.T.: 0.024 min
Response: 6006154
Conc: 49.13 ug/ml m



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

R.T.: 18.389 min
Delta R.T.: 0.030 min
Response: 5628292
Conc: 47.06 ug/ml

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