

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080825AR\
 Data File : FD049602.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2025 17:35
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2025
 Supervised By :mohammad ahmed 08/12/2025

Integration File: sample.E
 Quant Time: Aug 11 04:49:27 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...	7.715	2492422	19.050 ug/ml
Spiked Amount 50.000		Recovery =	38.10%
6) S 2-Fluorobiphenyl (SURR)	8.580	1803163	19.459 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.92%
11) S ortho-Terphenyl (SURR)	11.626	3091867	18.857 ug/ml
Spiked Amount 50.000		Recovery =	37.71%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	2324100	17.990 ug/ml
2) T Naphthalene (C11.7)	6.051	2653313	18.129 ug/ml
3) T 2-Methylnaphthalene (...)	7.105	2713810	17.870 ug/ml
5) T Acenaphthylene (C15.06)	8.383	2952333	18.599 ug/ml
7) T Acenaphthene (C15.5)	8.679	2904802	18.347 ug/ml
8) T Flouorene (C16.55)	9.461	3061002	19.162 ug/ml
9) T Phenanthrene (C19.36)	10.860	3104904	18.955 ug/ml
10) T Anthracene (C19.43)	10.933	2319484	14.561 ug/ml
12) T Fluoranthene (C21.85)	12.672	3105797	19.107 ug/mlm
13) T Pyrene (C20.8)	12.970	3090487	19.043 ug/ml
14) T Benzo[a]anthracene (C...	14.842	2754615	18.809 ug/ml
15) T Chrysene (C27.41)	14.885	2812379	18.897 ug/ml
16) T benzo[b]fluoranthene ...	16.392	2671423	18.854 ug/ml
17) T Bnezo[k]fluoranthene ...	16.426	2649636	19.820 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.771	2438494	17.711 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.134	2305050	18.404 ug/mlm
20) T Dibenz[a,h]anthracene...	18.176	2583006	19.607 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.391	2445908	18.481 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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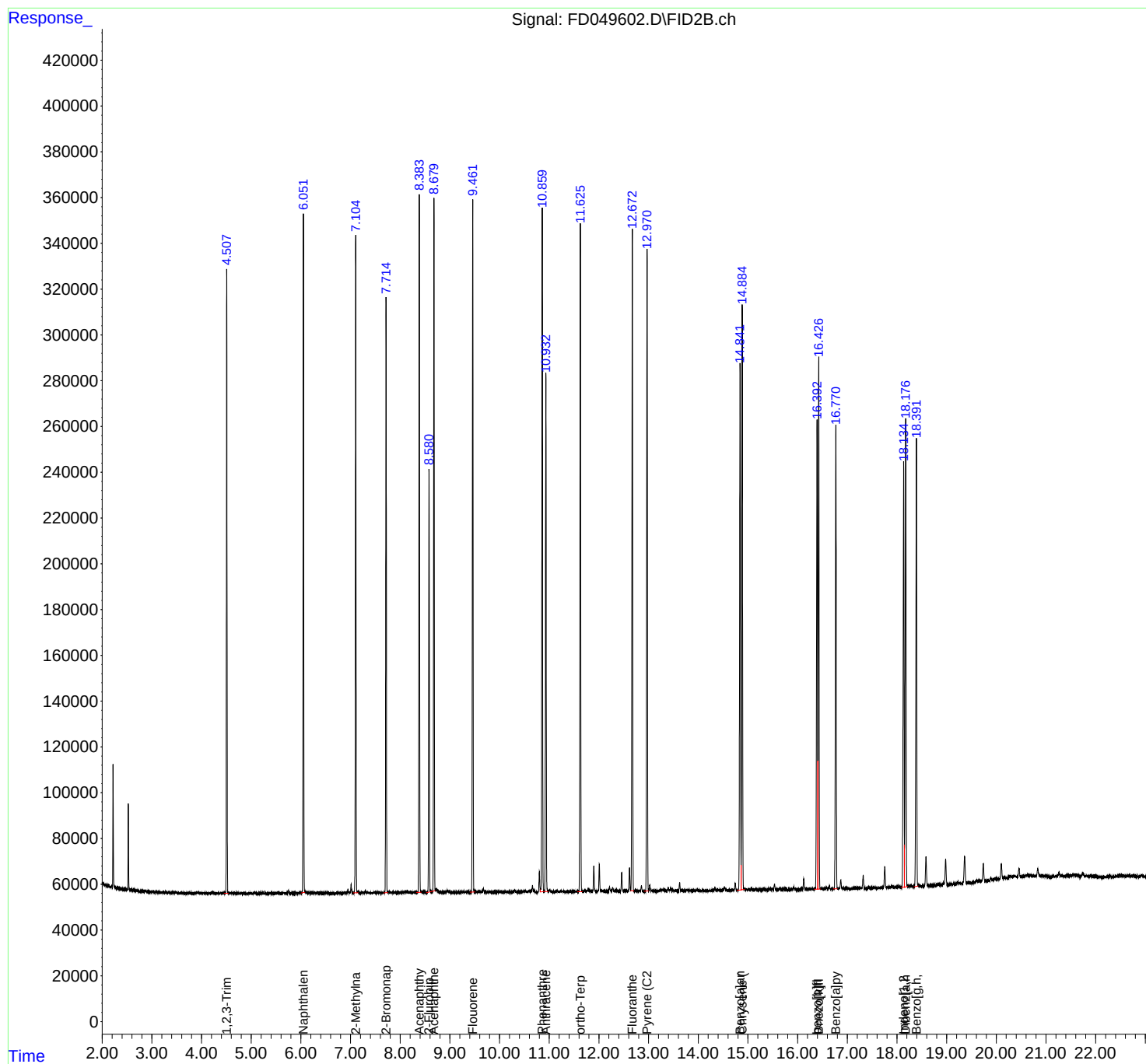
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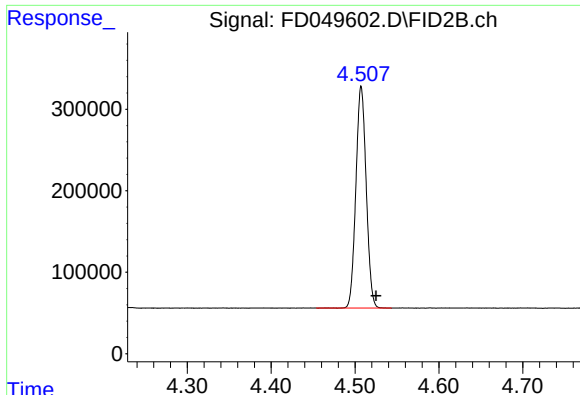
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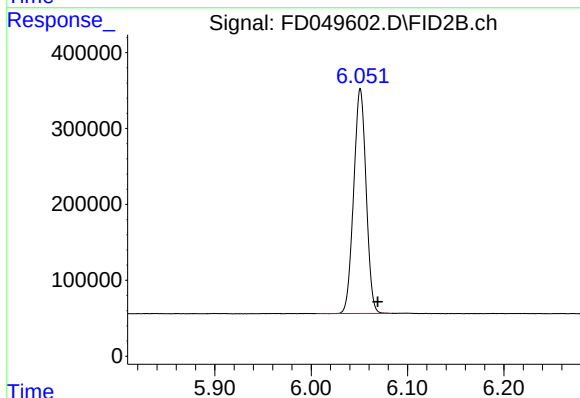
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.507 min
Delta R.T.: -0.018 min
Response: 2324100
Conc: 17.99 ug/ml

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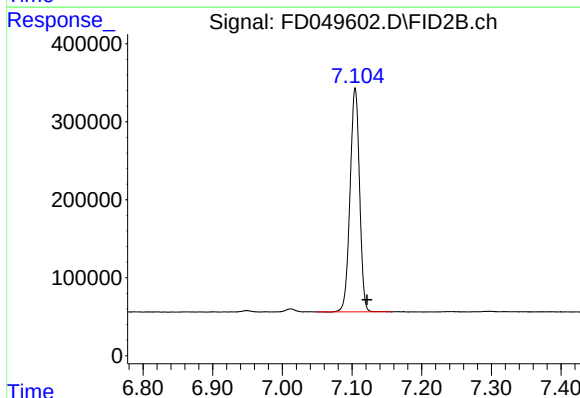
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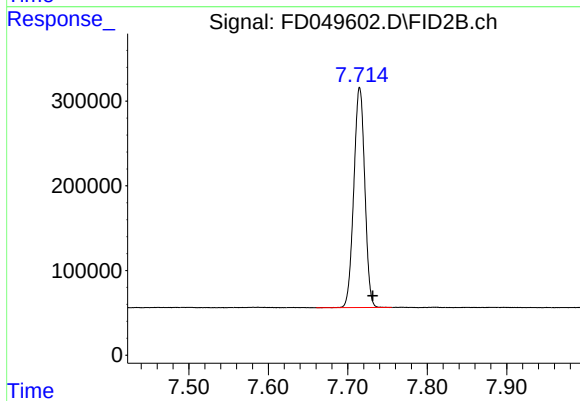
#2 Naphthalene (C11.7)

R.T.: 6.051 min
Delta R.T.: -0.018 min
Response: 2653313
Conc: 18.13 ug/ml



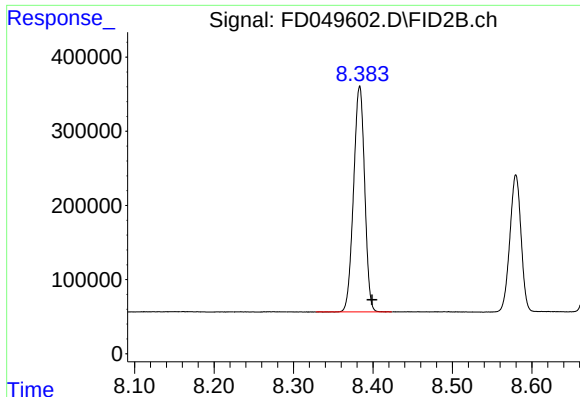
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.105 min
Delta R.T.: -0.017 min
Response: 2713810
Conc: 17.87 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.715 min
Delta R.T.: -0.016 min
Response: 2492422
Conc: 19.05 ug/ml



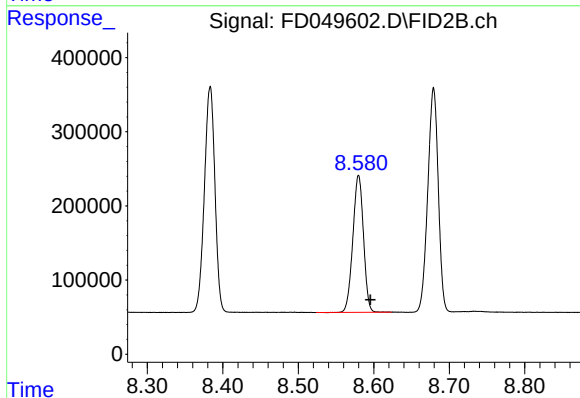
#5 Acenaphthylene (C15.06)

R.T.: 8.383 min
Delta R.T.: -0.016 min
Response: 2952333
Conc: 18.60 ug/ml

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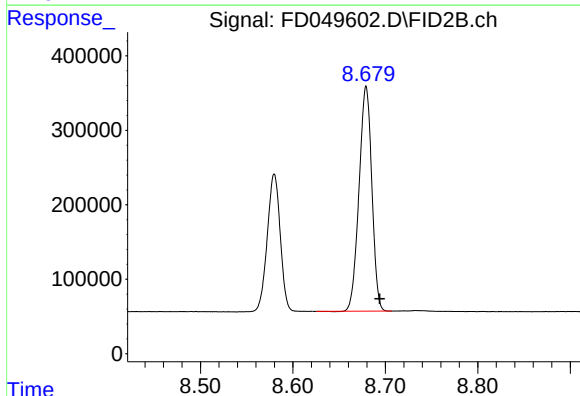
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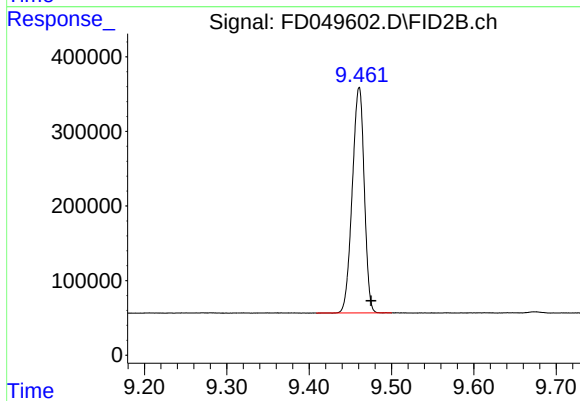
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.580 min
Delta R.T.: -0.016 min
Response: 1803163
Conc: 19.46 ug/ml



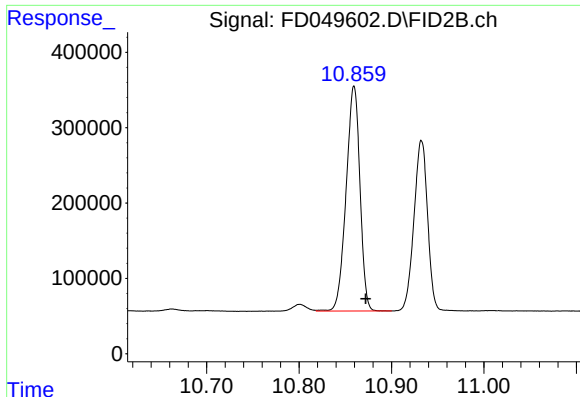
#7 Acenaphthene (C15.5)

R.T.: 8.679 min
Delta R.T.: -0.015 min
Response: 2904802
Conc: 18.35 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.461 min
Delta R.T.: -0.014 min
Response: 3061002
Conc: 19.16 ug/ml



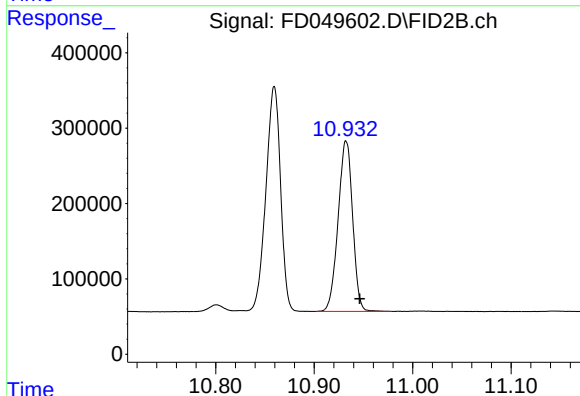
#9 Phenanthrene (C19.36)

R.T.: 10.860 min
Delta R.T.: -0.013 min
Response: 3104904
Conc: 18.95 ug/ml

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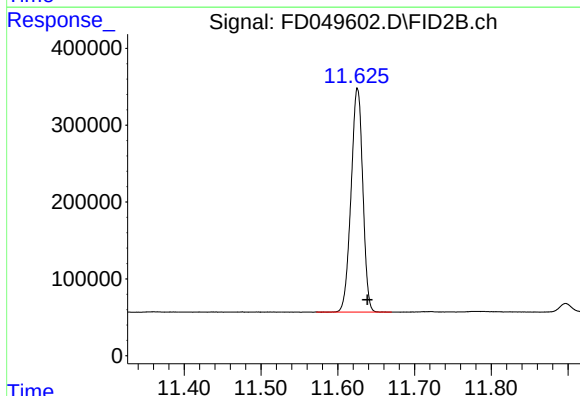
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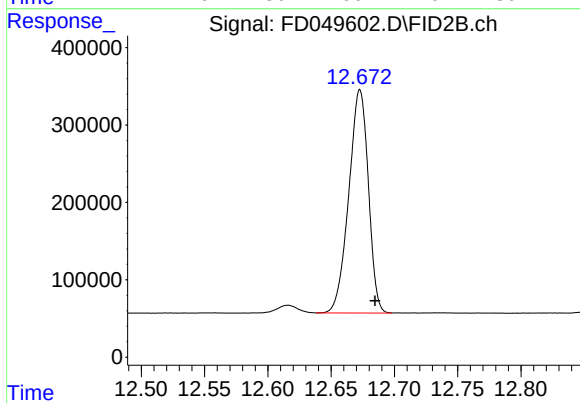
#10 Anthracene (C19.43)

R.T.: 10.933 min
Delta R.T.: -0.014 min
Response: 2319484
Conc: 14.56 ug/ml



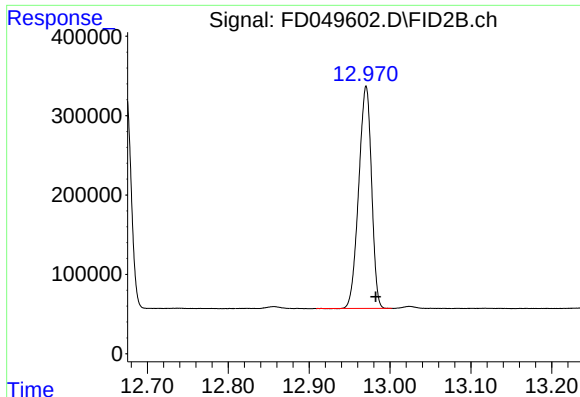
#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: -0.013 min
Response: 3091867
Conc: 18.86 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.672 min
Delta R.T.: -0.012 min
Response: 3105797
Conc: 19.11 ug/ml m



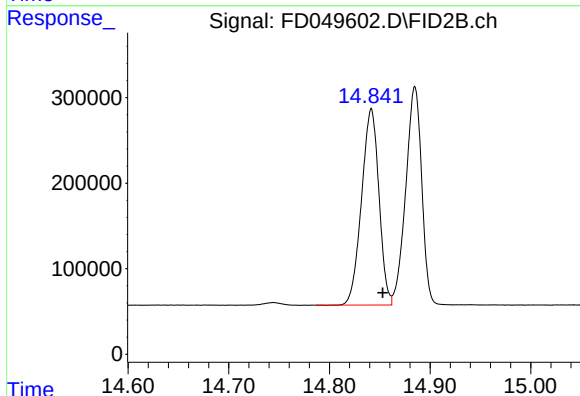
#13 Pyrene (C20.8)

R.T.: 12.970 min
Delta R.T.: -0.012 min
Response: 3090487
Conc: 19.04 ug/ml

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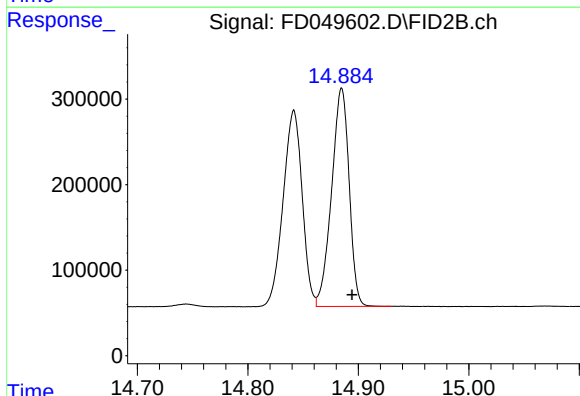
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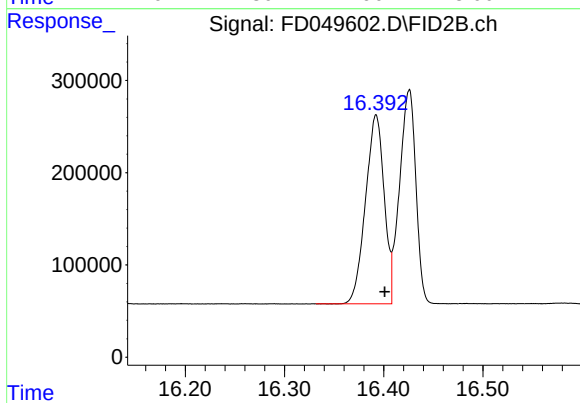
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.842 min
Delta R.T.: -0.011 min
Response: 2754615
Conc: 18.81 ug/ml



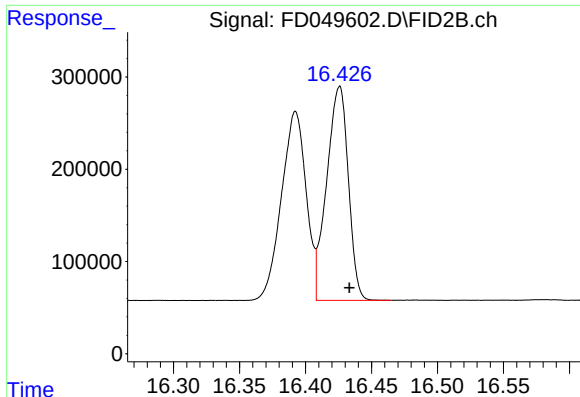
#15 Chrysene (C27.41)

R.T.: 14.885 min
Delta R.T.: -0.009 min
Response: 2812379
Conc: 18.90 ug/ml



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

R.T.: 16.392 min
Delta R.T.: -0.009 min
Response: 2671423
Conc: 18.85 ug/ml



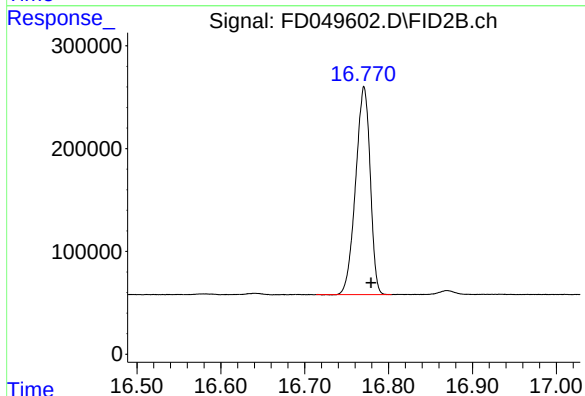
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.426 min
Delta R.T.: -0.007 min
Response: 2649636
Conc: 19.82 ug/ml

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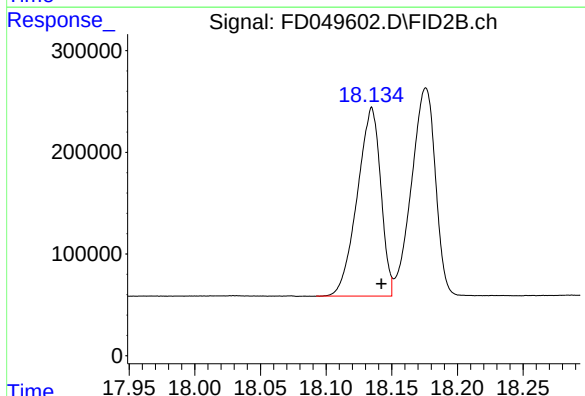
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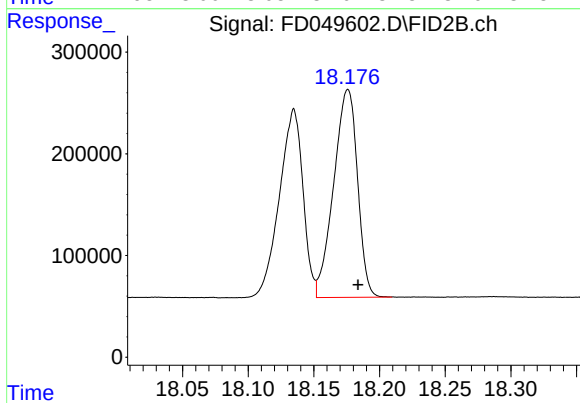
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.771 min
Delta R.T.: -0.009 min
Response: 2438494
Conc: 17.71 ug/ml



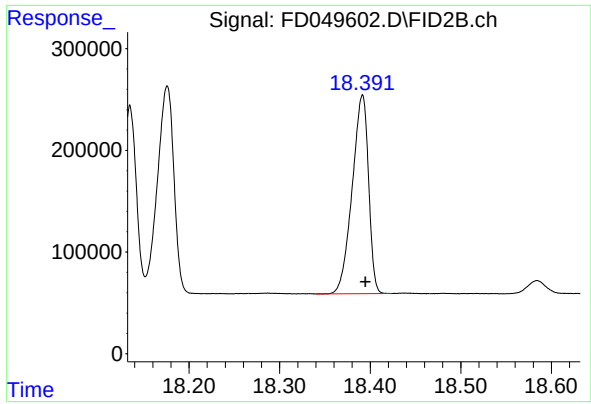
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.134 min
Delta R.T.: -0.008 min
Response: 2305050
Conc: 18.40 ug/ml m



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

R.T.: 18.176 min
Delta R.T.: -0.008 min
Response: 2583006
Conc: 19.61 ug/ml m



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

R.T.: 18.391 min
Delta R.T.: -0.003 min
Response: 2445908
Conc: 18.48 ug/ml

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