

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100825AR\
 Data File : FD049834.D
 Signal(s) : FID2B.ch
 Acq On : 08 Oct 2025 13:00
 Operator : YP/AJ
 Sample : Q3301-01MS
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 SOILMS

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 06:28:34 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...	7.711	10918476	91.895 ug/mlm
Spiked Amount 50.000		Recovery =	183.79%
6) S 2-Fluorobiphenyl (SURR)	8.579	5710282	67.259 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	134.52%#
11) S ortho-Terphenyl (SURR)	11.626	7062239	47.307 ug/mlm
Spiked Amount 50.000		Recovery =	94.61%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.494	5172932	45.519 ug/ml
2) T Naphthalene (C11.7)	6.041	9015885	68.335 ug/ml
3) T 2-Methylnaphthalene (...)	7.106	18695009	135.116 ug/mlm
5) T Acenaphthylene (C15.06)	8.387	17237436	117.981 ug/mlm
7) T Acenaphthene (C15.5)	8.684	16136817	110.822 ug/mlm
8) T Flouorene (C16.55)	9.470	17832462	122.109 ug/mlm
9) T Phenanthrene (C19.36)	10.872	16498428	112.863 ug/mlm
10) T Anthracene (C19.43)	10.948	15900526	117.007 ug/mlm
12) T Fluoranthene (C21.85)	12.686	15791110	110.842 ug/mlm
13) T Pyrene (C20.8)	12.983	14887056	105.901 ug/mlm
14) T Benzo[a]anthracene (C...	14.847	12810981	101.863 ug/mlm
15) T Chrysene (C27.41)	14.895	14572981	113.434 ug/mlm
16) T benzo[b]fluoranthene ...	16.398	12392422	99.484 ug/ml
17) T Bnezo[k]fluoranthene ...	16.438	11343655	96.571 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.780	11603507	95.613 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.148	12448227	110.711 ug/ml
20) T Dibenz[a,h]anthracene...	18.188	10879686	88.989 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.408	11424781	95.521 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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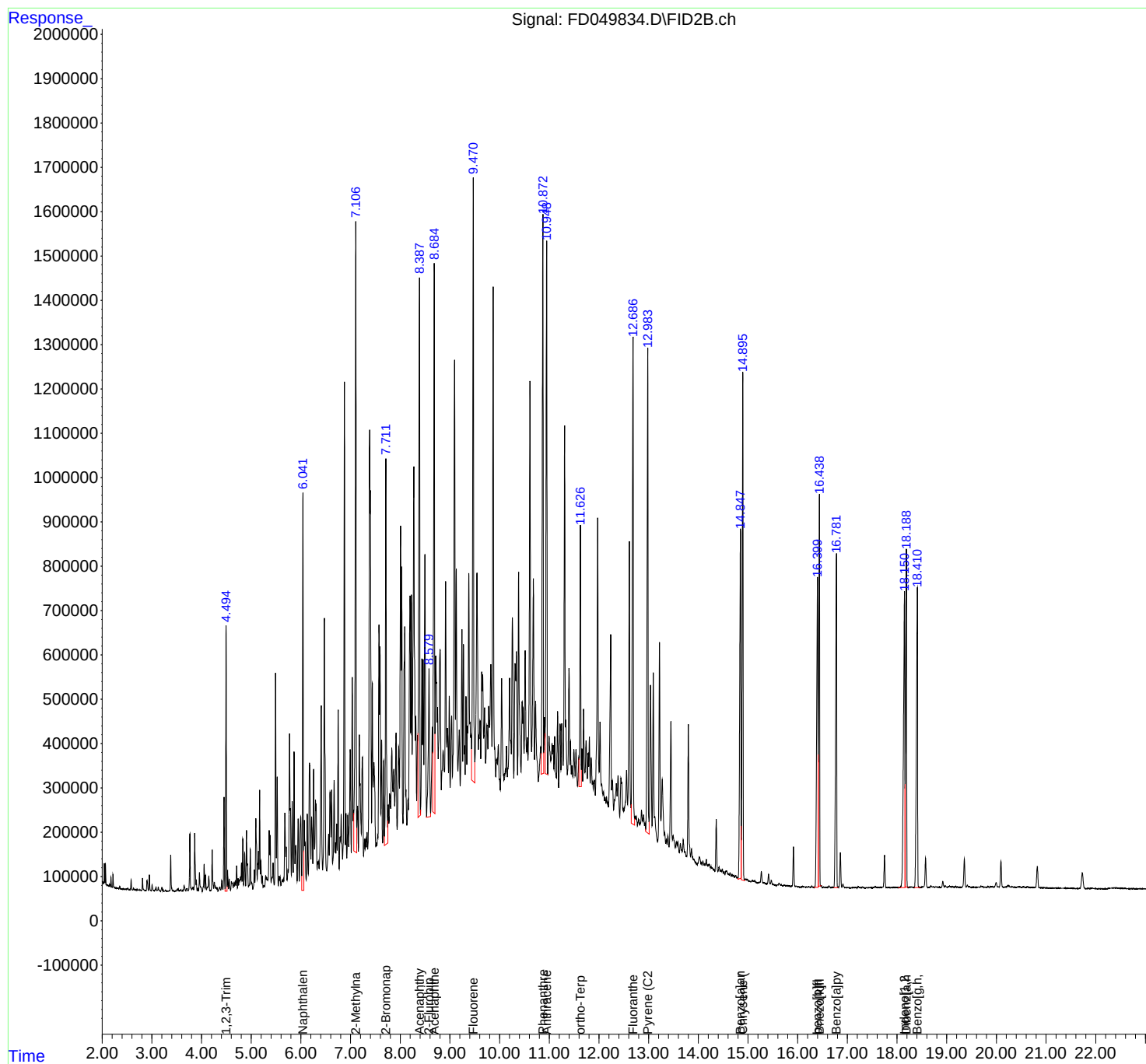
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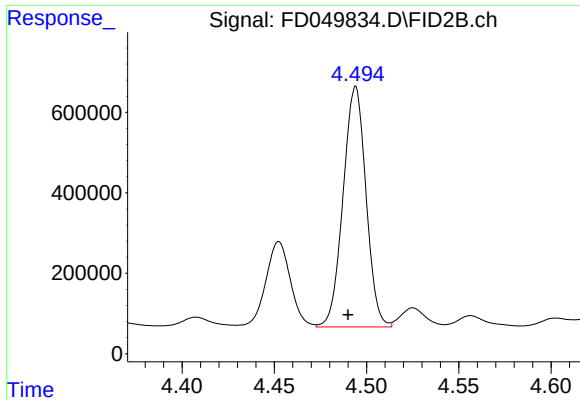
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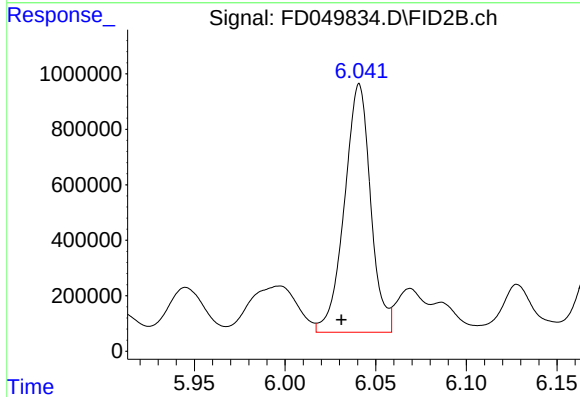
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.494 min
Delta R.T.: 0.004 min
Response: 5172932
Conc: 45.52 ug/ml

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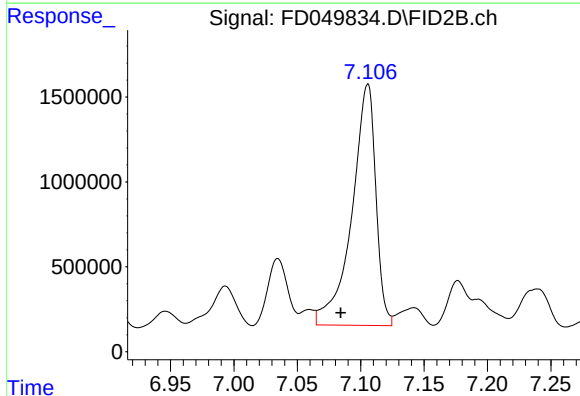
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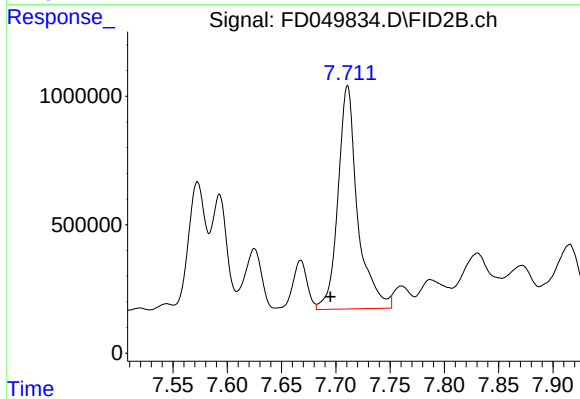
#2 Naphthalene (C11.7)

R.T.: 6.041 min
Delta R.T.: 0.010 min
Response: 9015885
Conc: 68.34 ug/ml



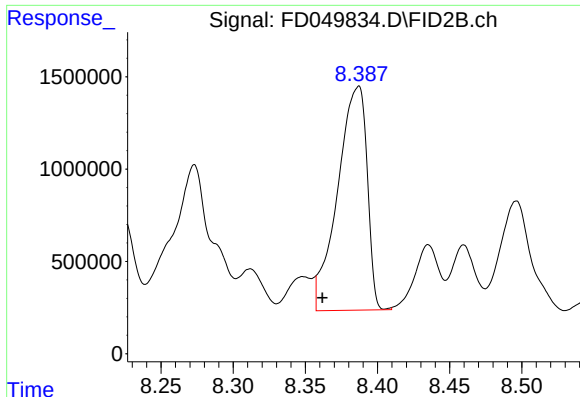
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.106 min
Delta R.T.: 0.021 min
Response: 18695009
Conc: 135.12 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.711 min
Delta R.T.: 0.016 min
Response: 10918476
Conc: 91.89 ug/ml m



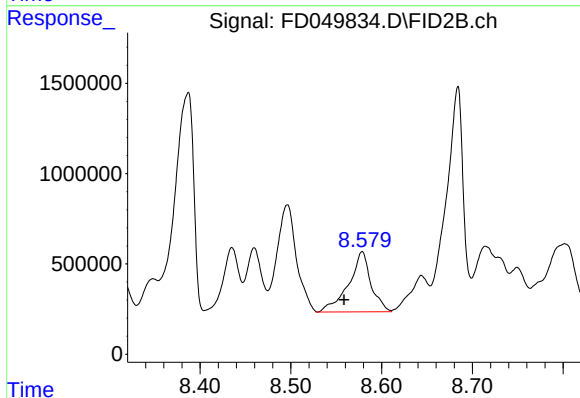
#5 Acenaphthylene (C15.06)

R.T.: 8.387 min
Delta R.T.: 0.025 min
Response: 17237436
Conc: 117.98 ug/ml

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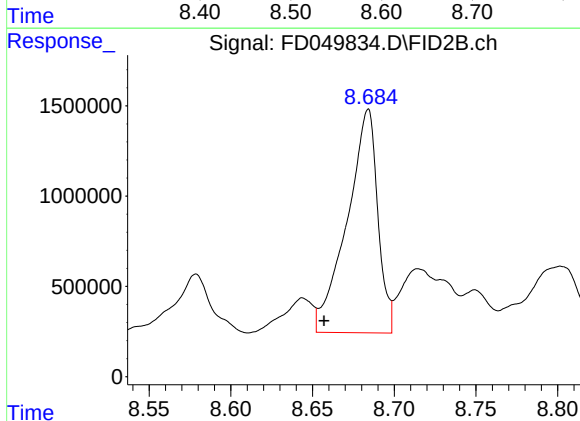
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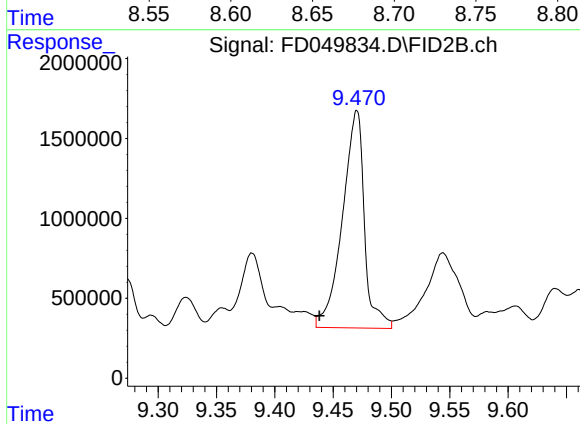
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: 0.020 min
Response: 5710282
Conc: 67.26 ug/ml m



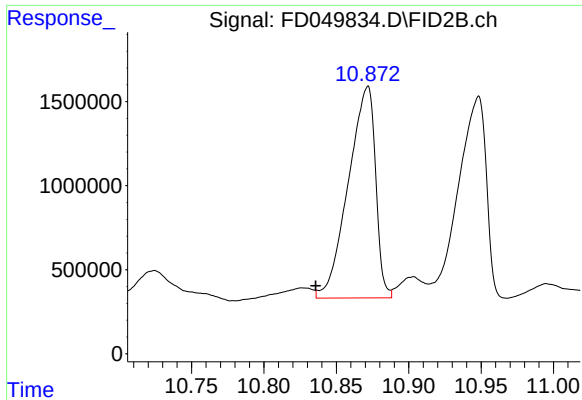
#7 Acenaphthene (C15.5)

R.T.: 8.684 min
Delta R.T.: 0.027 min
Response: 16136817
Conc: 110.82 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.470 min
Delta R.T.: 0.031 min
Response: 17832462
Conc: 122.11 ug/ml m



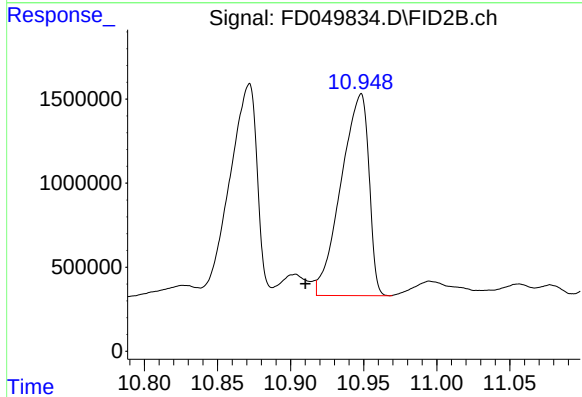
#9 Phenanthrene (C19.36)

R.T.: 10.872 min
Delta R.T.: 0.036 min
Response: 16498428
Conc: 112.86 ug/ml

Instrument :
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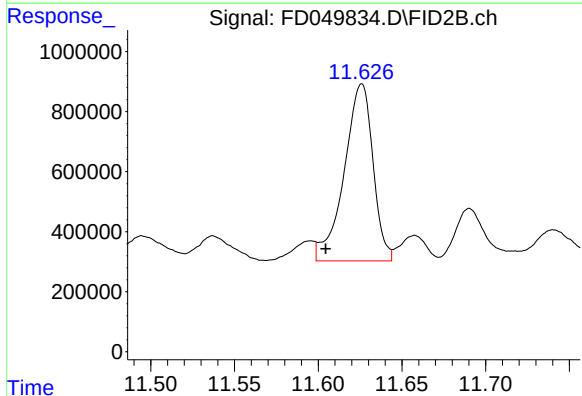
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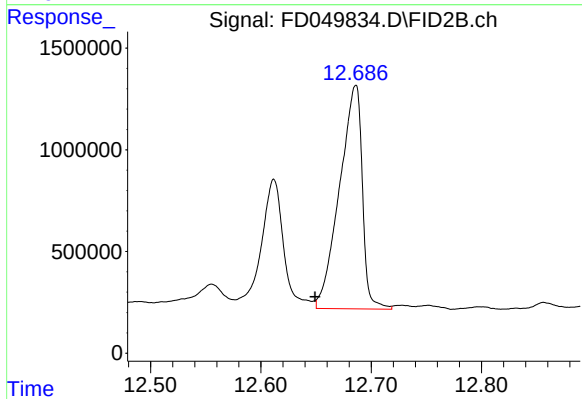
#10 Anthracene (C19.43)

R.T.: 10.948 min
Delta R.T.: 0.038 min
Response: 15900526
Conc: 117.01 ug/ml m



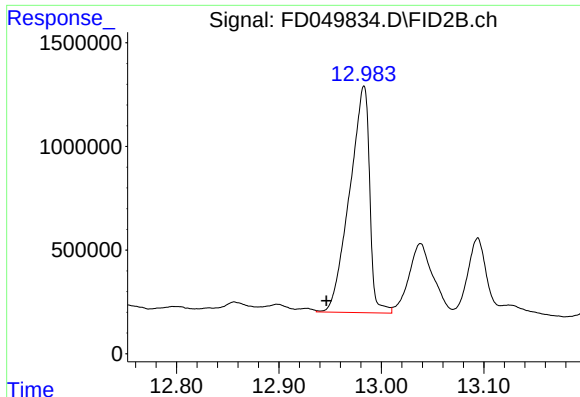
#11 ortho-Terphenyl (SURR)

R.T.: 11.626 min
Delta R.T.: 0.021 min
Response: 7062239
Conc: 47.31 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.686 min
Delta R.T.: 0.037 min
Response: 15791110
Conc: 110.84 ug/ml m



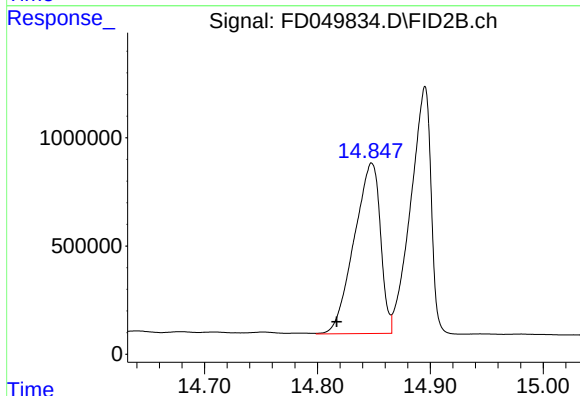
#13 Pyrene (C20.8)

R.T.: 12.983 min
Delta R.T.: 0.036 min
Response: 14887056
Conc: 105.90 ug/ml

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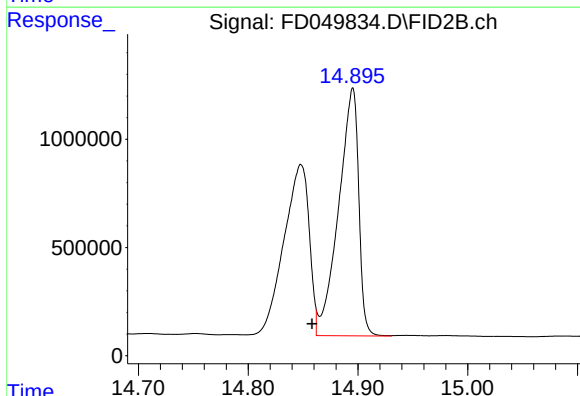
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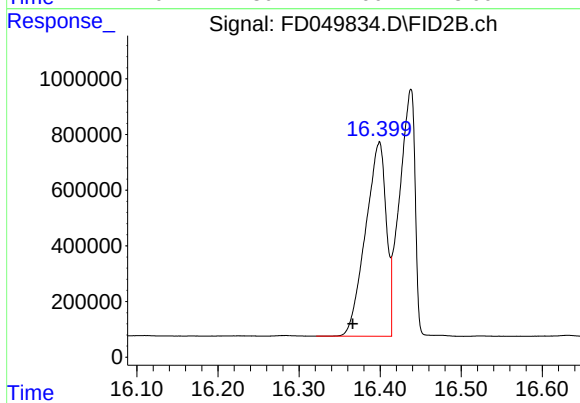
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.847 min
Delta R.T.: 0.030 min
Response: 12810981
Conc: 101.86 ug/ml m



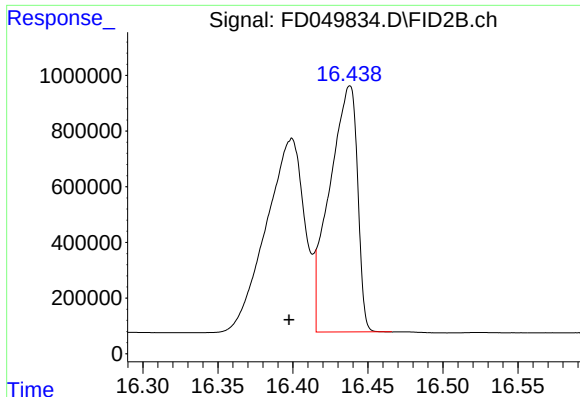
#15 Chrysene (C27.41)

R.T.: 14.895 min
Delta R.T.: 0.037 min
Response: 14572981
Conc: 113.43 ug/ml m



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

R.T.: 16.398 min
Delta R.T.: 0.032 min
Response: 12392422
Conc: 99.48 ug/ml



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

R.T.: 16.438 min
Delta R.T.: 0.040 min
Response: 11343655
Conc: 96.57 ug/ml

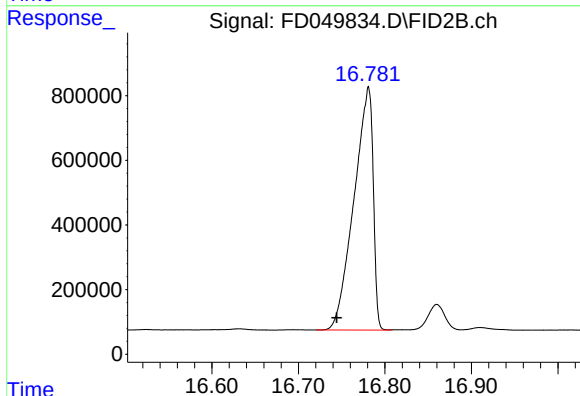
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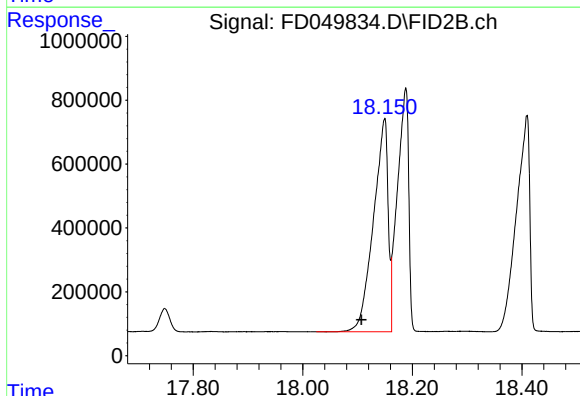
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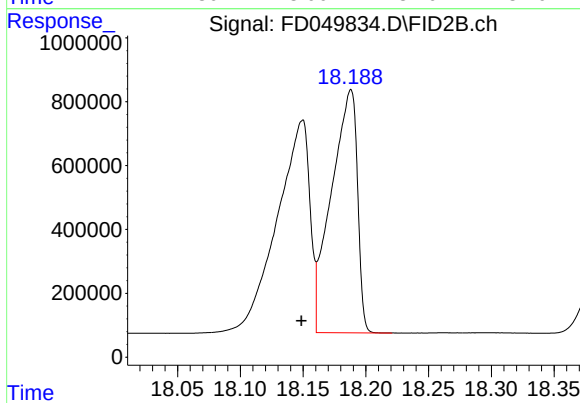
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.780 min
Delta R.T.: 0.036 min
Response: 11603507
Conc: 95.61 ug/ml



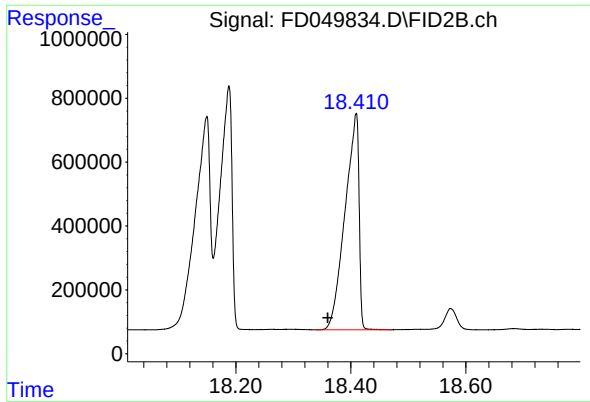
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.148 min
Delta R.T.: 0.041 min
Response: 12448227
Conc: 110.71 ug/ml



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

R.T.: 18.188 min
Delta R.T.: 0.039 min
Response: 10879686
Conc: 88.99 ug/ml m



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

R.T.: 18.408 min
Delta R.T.: 0.048 min
Response: 11424781
Conc: 95.52 ug/ml

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