

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080825AR\
 Data File : FD049598.D
 Signal(s) : FID2B.ch
 Acq On : 08 Aug 2025 14:36
 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 04:47:20 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...	7.714	2554722	19.526 ug/ml
Spiked Amount 50.000		Recovery =	39.05%
6) S 2-Fluorobiphenyl (SURR)	8.579	1842522	19.884 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.77%
11) S ortho-Terphenyl (SURR)	11.624	3136588	19.129 ug/ml
Spiked Amount 50.000		Recovery =	38.26%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	2367578	18.326 ug/ml
2) T Naphthalene (C11.7)	6.050	2721723	18.596 ug/ml
3) T 2-Methylnaphthalene (...)	7.104	2781703	18.317 ug/ml
5) T Acenaphthylene (C15.06)	8.382	3018688	19.017 ug/ml
7) T Acenaphthene (C15.5)	8.678	2971439	18.768 ug/ml
8) T Flouorene (C16.55)	9.459	3116969	19.512 ug/ml
9) T Phenanthrene (C19.36)	10.857	3125817	19.083 ug/ml
10) T Anthracene (C19.43)	10.931	2345941	14.727 ug/ml
12) T Fluoranthene (C21.85)	12.671	3112761	19.150 ug/mlm
13) T Pyrene (C20.8)	12.969	3093924	19.064 ug/ml
14) T Benzo[a]anthracene (C...	14.841	2735438	18.678 ug/ml
15) T Chrysene (C27.41)	14.883	2789069	18.741 ug/ml
16) T benzo[b]fluoranthene ...	16.391	2649183	18.697 ug/ml
17) T Bnezo[k]fluoranthene ...	16.424	2614413	19.557 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.770	2413662	17.531 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.132	2302382	18.383 ug/mlm
20) T Dibenz[a,h]anthracene...	18.174	2546265	19.328 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.389	2416456	18.259 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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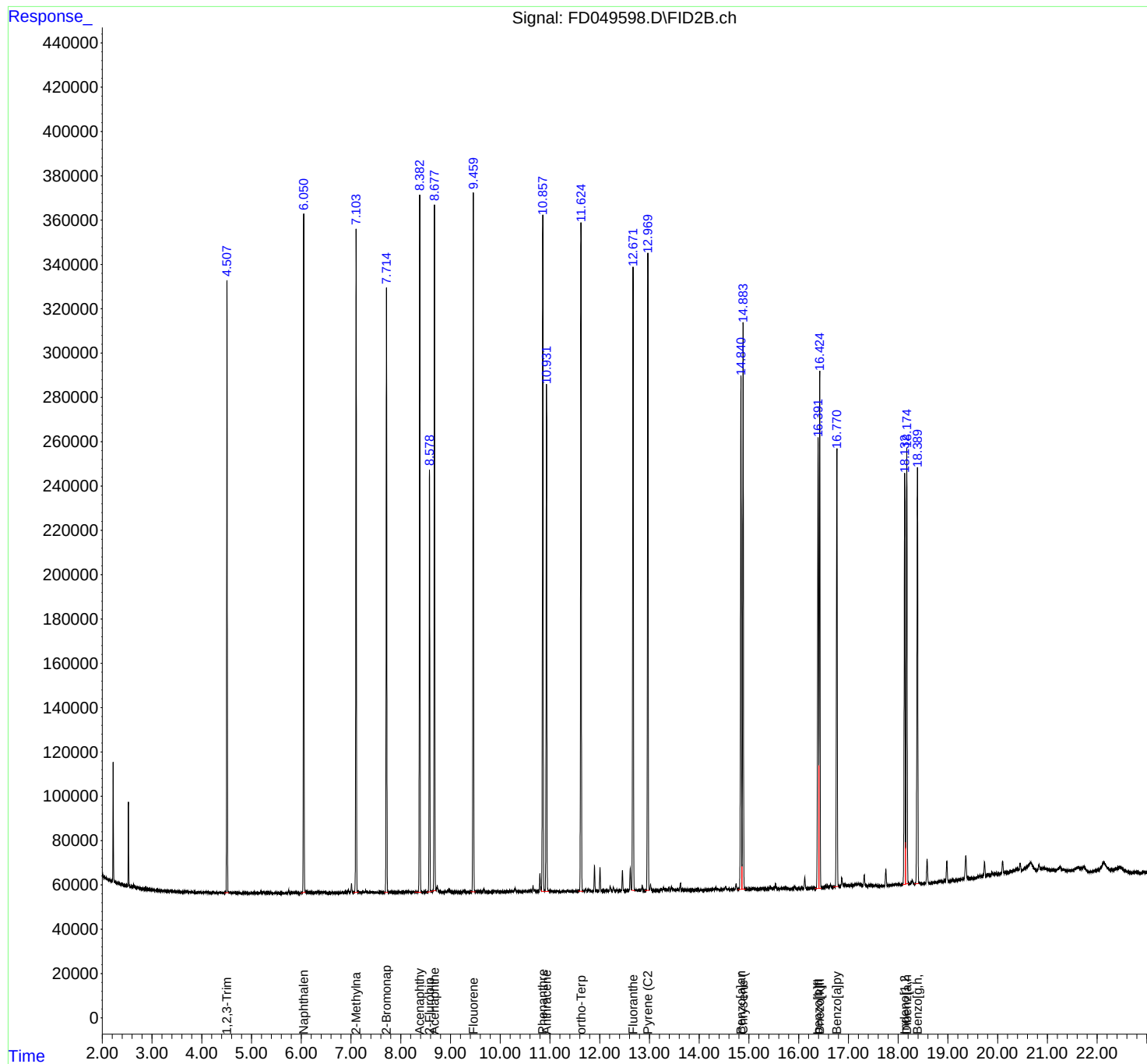
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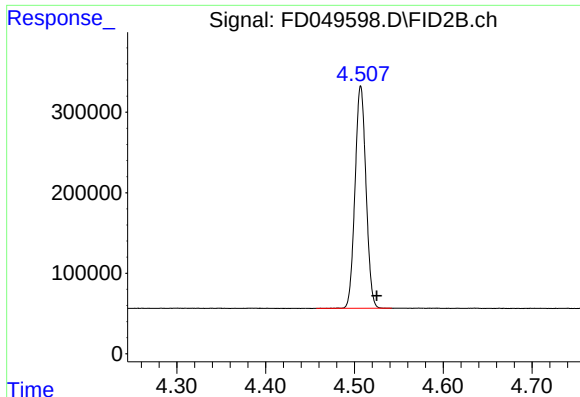
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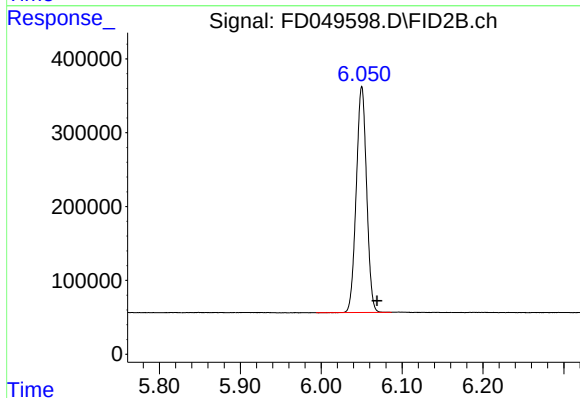
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.507 min
Delta R.T.: -0.018 min
Response: 2367578
Conc: 18.33 ug/ml

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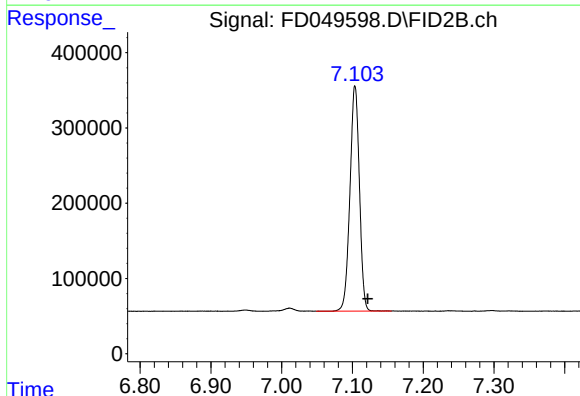
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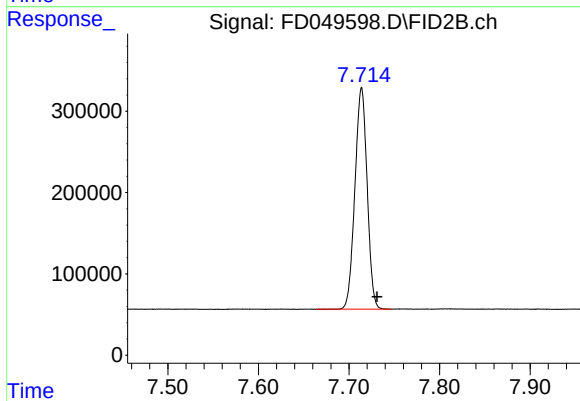
#2 Naphthalene (C11.7)

R.T.: 6.050 min
Delta R.T.: -0.019 min
Response: 2721723
Conc: 18.60 ug/ml



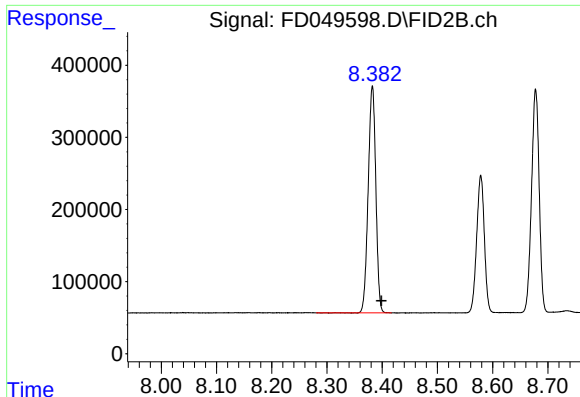
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.104 min
Delta R.T.: -0.018 min
Response: 2781703
Conc: 18.32 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.714 min
Delta R.T.: -0.017 min
Response: 2554722
Conc: 19.53 ug/ml



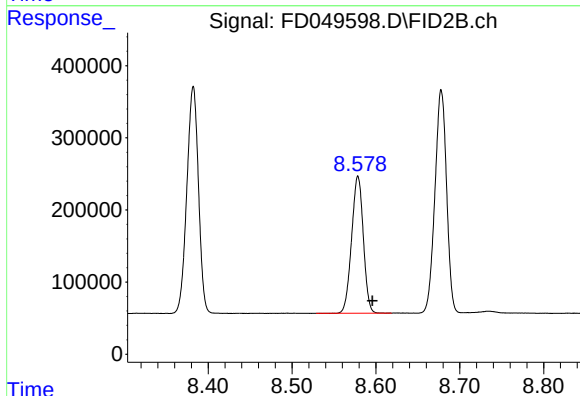
#5 Acenaphthylene (C15.06)

R.T.: 8.382 min
Delta R.T.: -0.017 min
Response: 3018688
Conc: 19.02 ug/ml

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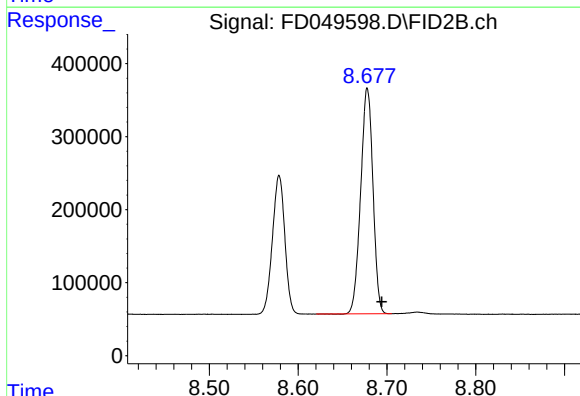
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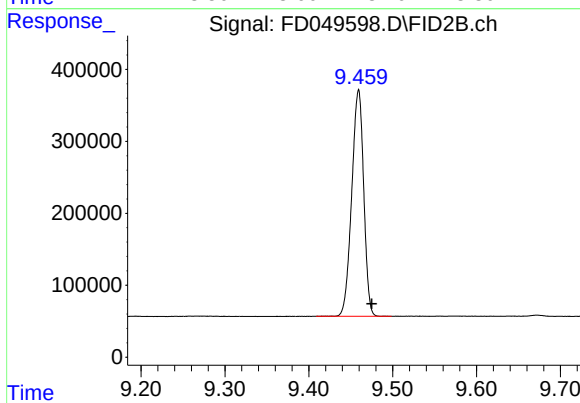
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.579 min
Delta R.T.: -0.017 min
Response: 1842522
Conc: 19.88 ug/ml



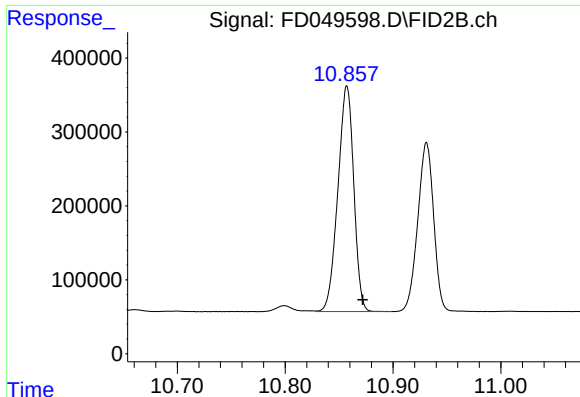
#7 Acenaphthene (C15.5)

R.T.: 8.678 min
Delta R.T.: -0.016 min
Response: 2971439
Conc: 18.77 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.459 min
Delta R.T.: -0.016 min
Response: 3116969
Conc: 19.51 ug/ml



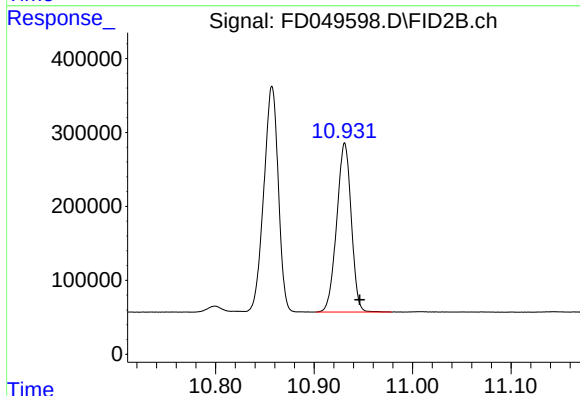
#9 Phenanthrene (C19.36)

R.T.: 10.857 min
Delta R.T.: -0.015 min
Response: 3125817
Conc: 19.08 ug/ml

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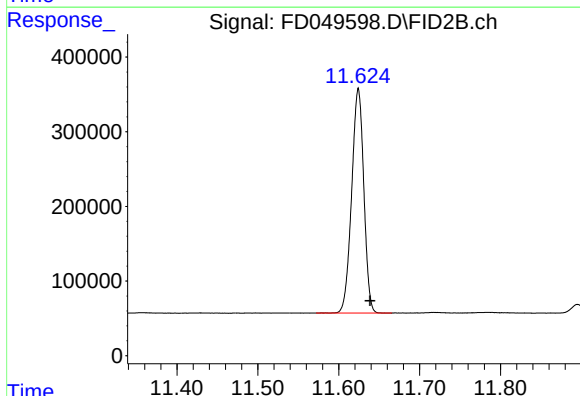
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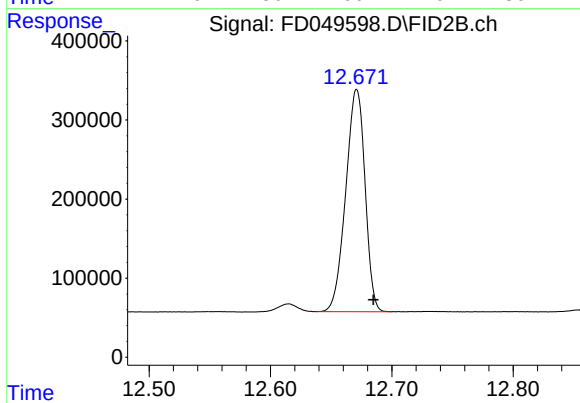
#10 Anthracene (C19.43)

R.T.: 10.931 min
Delta R.T.: -0.015 min
Response: 2345941
Conc: 14.73 ug/ml



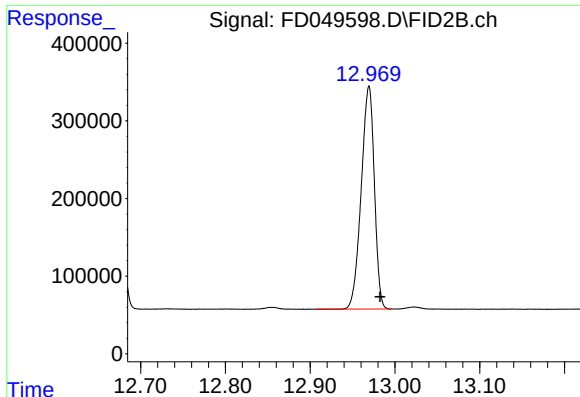
#11 ortho-Terphenyl (SURR)

R.T.: 11.624 min
Delta R.T.: -0.015 min
Response: 3136588
Conc: 19.13 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.671 min
Delta R.T.: -0.014 min
Response: 3112761
Conc: 19.15 ug/ml m



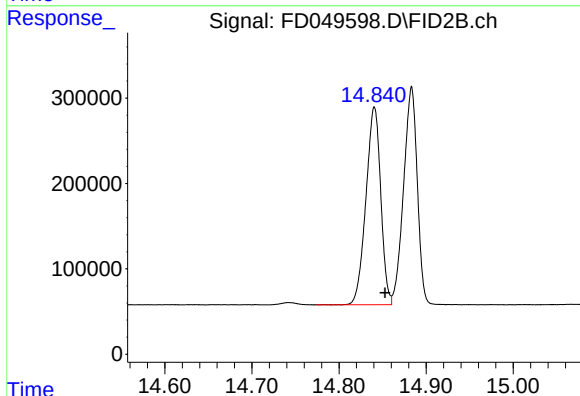
#13 Pyrene (C20.8)

R.T.: 12.969 min
Delta R.T.: -0.013 min
Response: 3093924
Conc: 19.06 ug/ml

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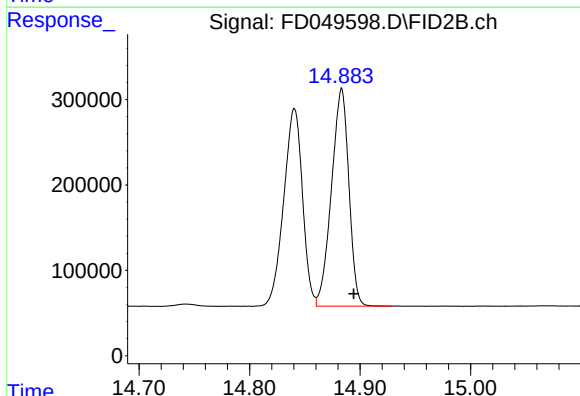
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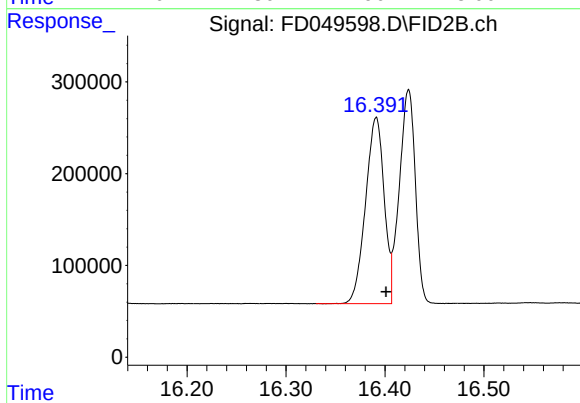
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.841 min
Delta R.T.: -0.012 min
Response: 2735438
Conc: 18.68 ug/ml



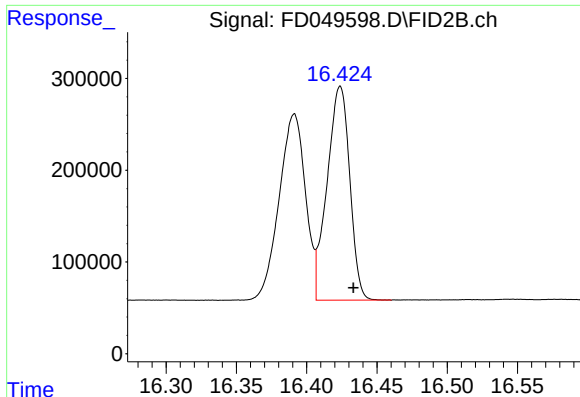
#15 Chrysene (C27.41)

R.T.: 14.883 min
Delta R.T.: -0.011 min
Response: 2789069
Conc: 18.74 ug/ml



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

R.T.: 16.391 min
Delta R.T.: -0.010 min
Response: 2649183
Conc: 18.70 ug/ml



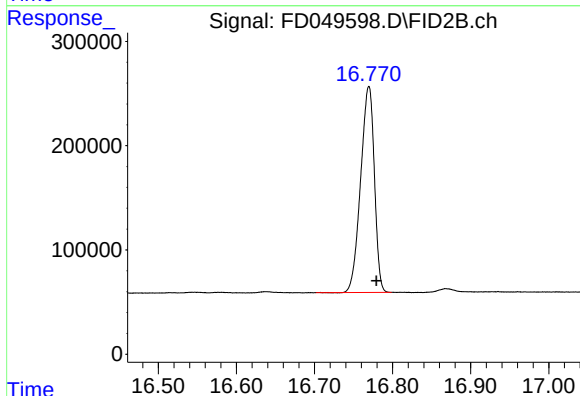
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.424 min
Delta R.T.: -0.009 min
Response: 2614413
Conc: 19.56 ug/ml

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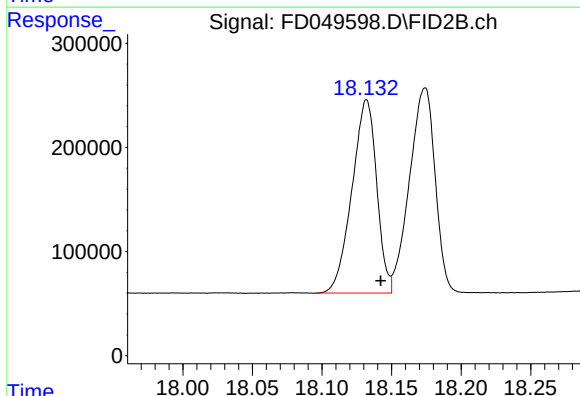
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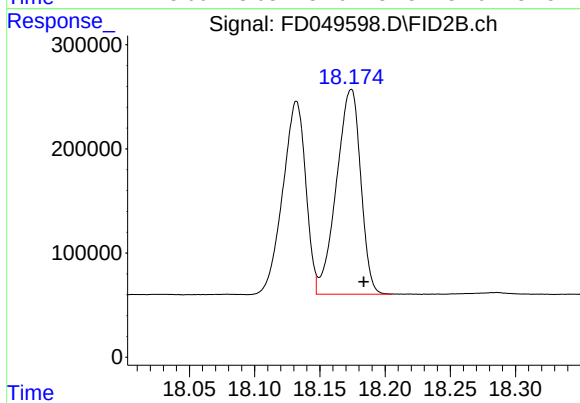
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.770 min
Delta R.T.: -0.010 min
Response: 2413662
Conc: 17.53 ug/ml



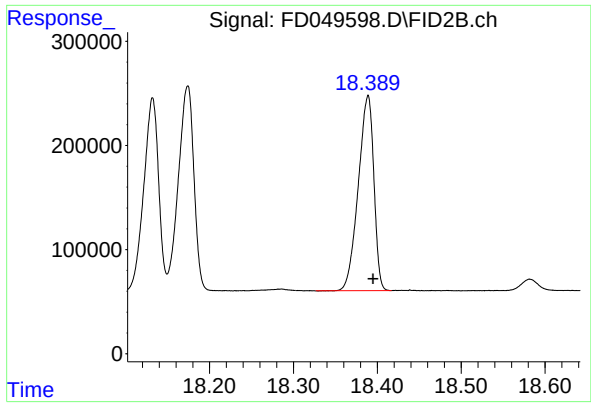
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.132 min
Delta R.T.: -0.010 min
Response: 2302382
Conc: 18.38 ug/ml m



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

R.T.: 18.174 min
Delta R.T.: -0.010 min
Response: 2546265
Conc: 19.33 ug/ml m



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

R.T.: 18.389 min
Delta R.T.: -0.006 min
Response: 2416456
Conc: 18.26 ug/ml

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