

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052125AR\
 Data File : FD049366.D
 Signal(s) : FID2B.ch
 Acq On : 21 May 2025 08:46
 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 05/21/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e
 Quant Time: May 21 13:21:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 01 13:29:48 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...	7.737	1976589	16.670 ug/ml
Spiked Amount 50.000		Recovery =	33.34%
6) S 2-Fluorobiphenyl (SURR)	8.602	1358057	17.197 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	34.39%
11) S ortho-Terphenyl (SURR)	11.647	2281023	16.527 ug/ml
Spiked Amount 50.000		Recovery =	33.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.528	2061833	16.513 ug/ml
2) T Naphthalene (C11.7)	6.073	2190860	16.572 ug/ml
3) T 2-Methylnaphthalene (...)	7.127	2162642	16.764 ug/ml
5) T Acenaphthylene (C15.06)	8.405	2301733	16.305 ug/ml
7) T Acenaphthene (C15.5)	8.701	2265113	16.532 ug/ml
8) T Fluorene (C16.55)	9.482	2295703	16.866 ug/ml
9) T Phenanthrene (C19.36)	10.881	2261383	16.773 ug/ml
10) T Anthracene (C19.43)	10.954	1781110	15.060 ug/mlm
12) T Fluoranthene (C21.85)	12.694	2293141	17.016 ug/ml
13) T Pyrene (C20.8)	12.992	2295276	16.967 ug/ml
14) T Benzo[a]anthracene (C...	14.863	2055075	17.941 ug/ml
15) T Chrysene (C27.41)	14.905	2115050	18.122 ug/ml
16) T benzo[b]fluoranthene ...	16.414	2153613	17.742 ug/ml
17) T Bnezo[k]fluoranthene ...	16.446	2108727	17.681 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.793	1952954	16.985 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.157	1919669	17.492 ug/ml
20) T Dibenz[a,h]anthracene...	18.198	2206440	20.891 ug/ml
21) T Benzo[g,h,i]perylene ...	18.413	2068077	17.354 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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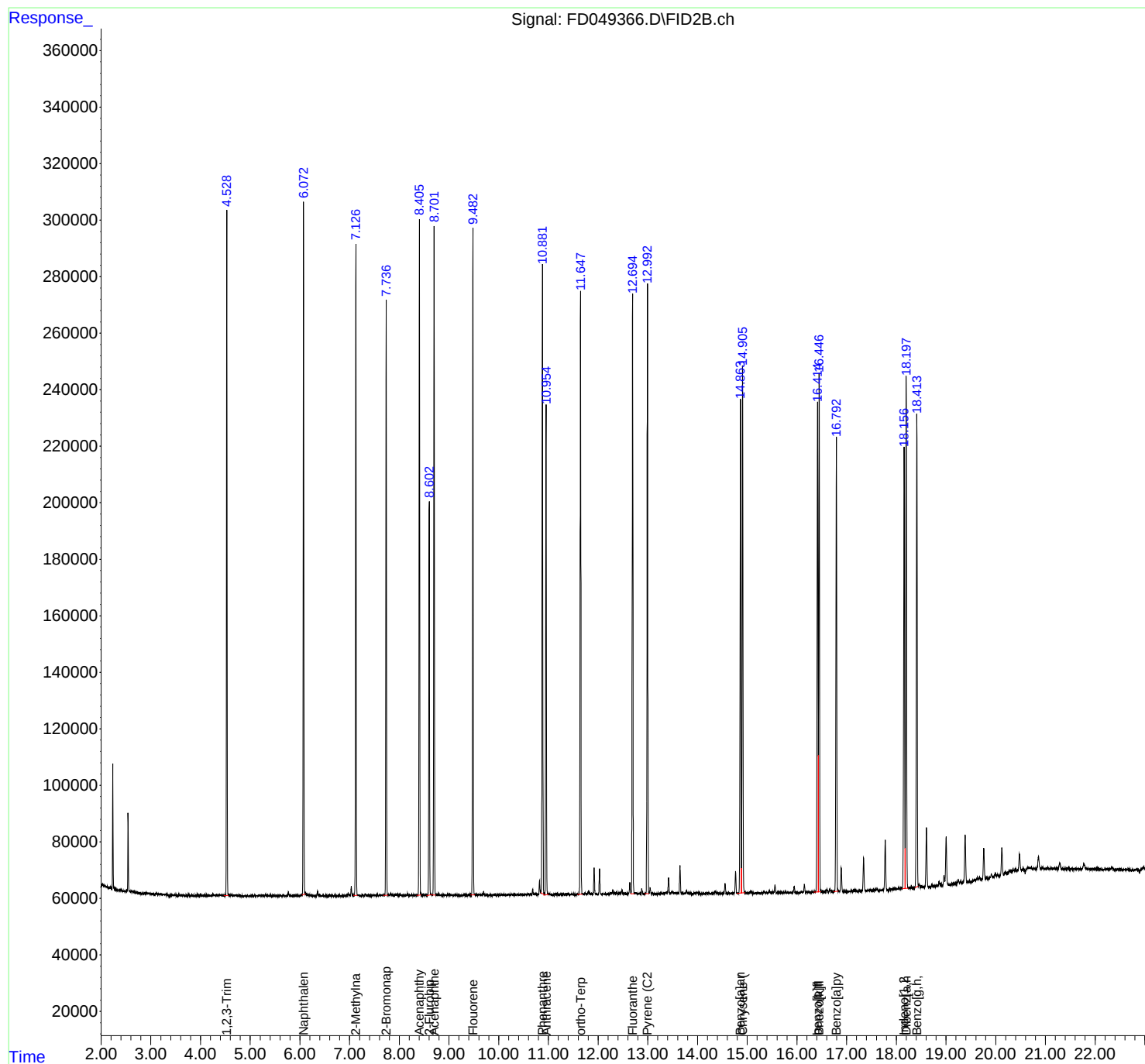
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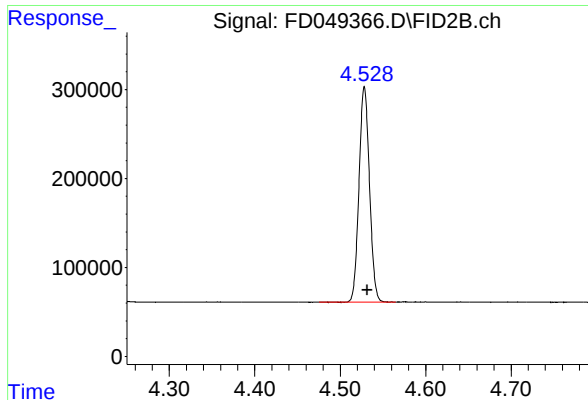
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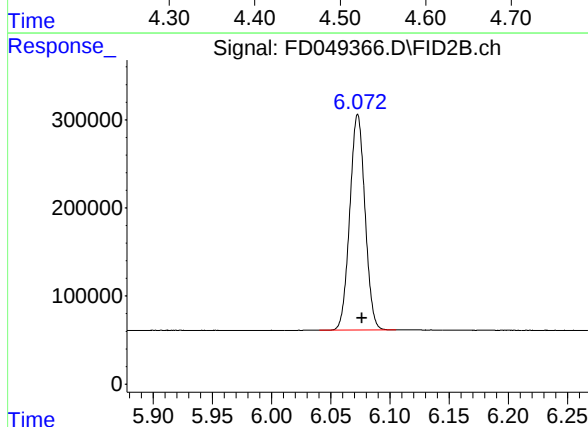
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.528 min
Delta R.T.: -0.004 min
Response: 2061833
Conc: 16.51 ug/ml

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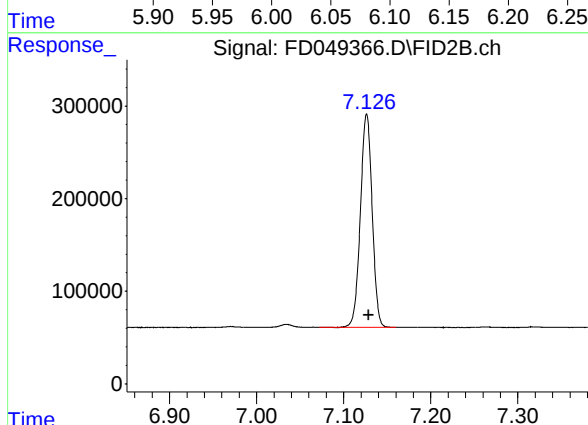
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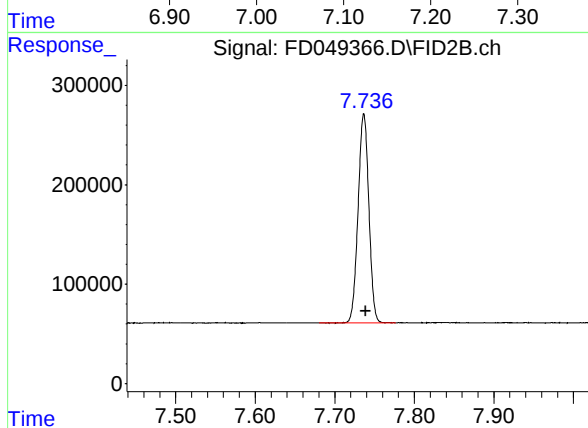
#2 Naphthalene (C11.7)

R.T.: 6.073 min
Delta R.T.: -0.003 min
Response: 2190860
Conc: 16.57 ug/ml



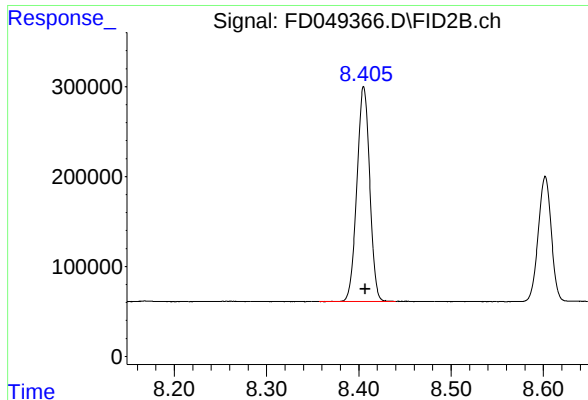
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.127 min
Delta R.T.: -0.002 min
Response: 2162642
Conc: 16.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.737 min
Delta R.T.: -0.002 min
Response: 1976589
Conc: 16.67 ug/ml



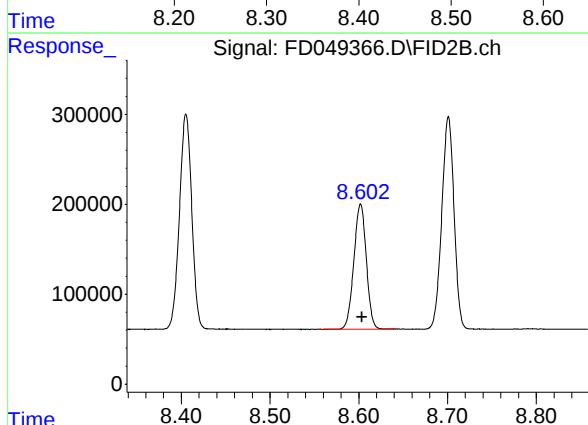
#5 Acenaphthylene (C15.06)

R.T.: 8.405 min
Delta R.T.: -0.002 min
Response: 2301733
Conc: 16.31 ug/ml

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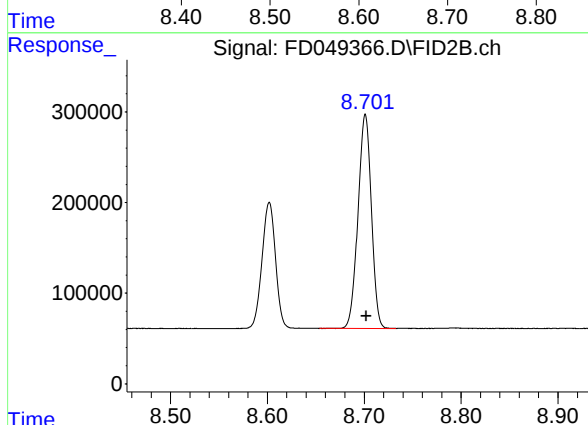
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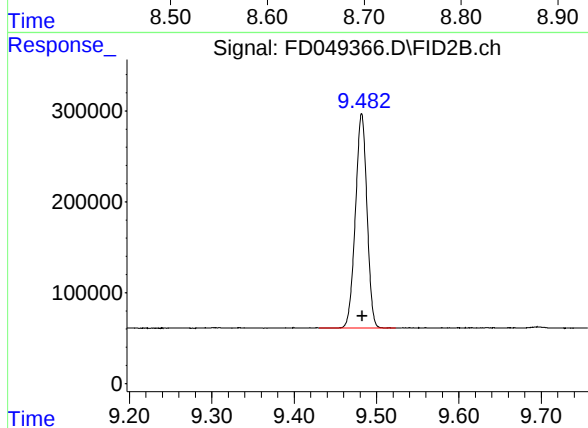
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.602 min
Delta R.T.: -0.002 min
Response: 1358057
Conc: 17.20 ug/ml



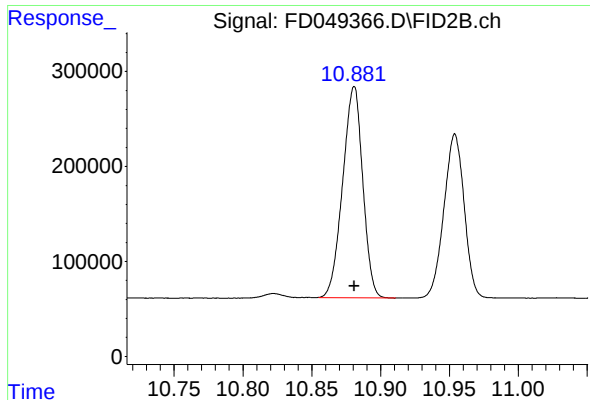
#7 Acenaphthene (C15.5)

R.T.: 8.701 min
Delta R.T.: -0.001 min
Response: 2265113
Conc: 16.53 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.482 min
Delta R.T.: 0.000 min
Response: 2295703
Conc: 16.87 ug/ml



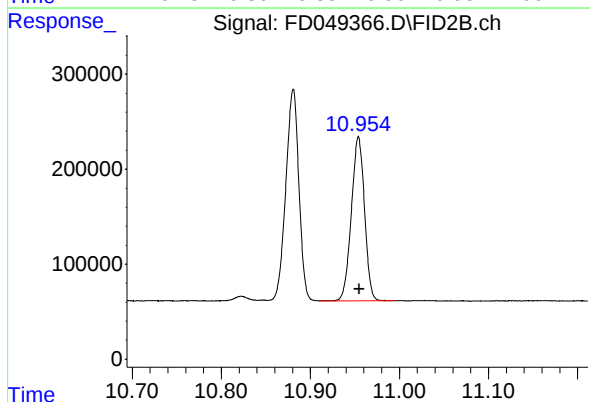
#9 Phenanthrene (C19.36)

R.T.: 10.881 min
Delta R.T.: 0.000 min
Response: 2261383
Conc: 16.77 ug/ml

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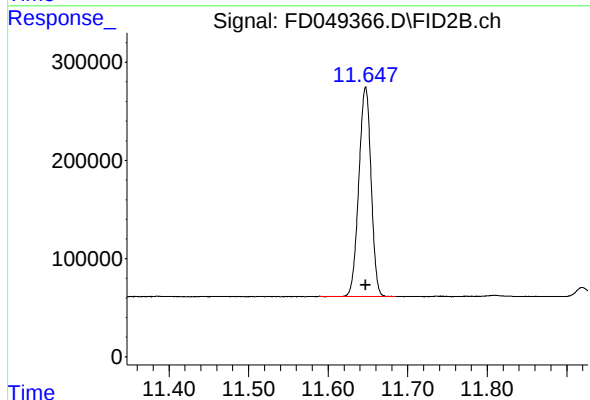
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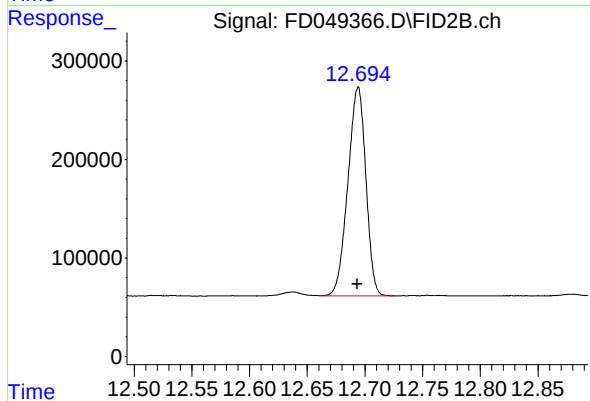
#10 Anthracene (C19.43)

R.T.: 10.954 min
Delta R.T.: -0.001 min
Response: 1781110
Conc: 15.06 ug/ml m



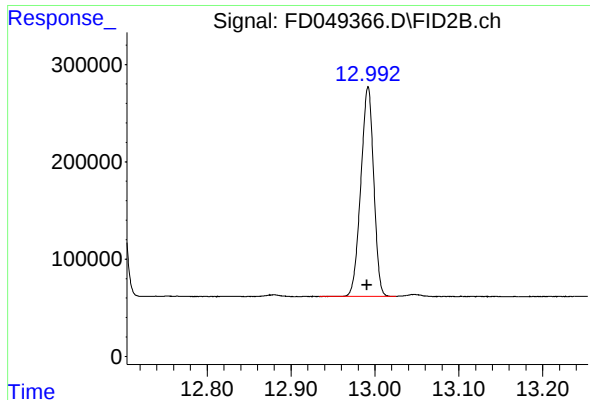
#11 ortho-Terphenyl (SURR)

R.T.: 11.647 min
Delta R.T.: 0.000 min
Response: 2281023
Conc: 16.53 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.694 min
Delta R.T.: 0.000 min
Response: 2293141
Conc: 17.02 ug/ml



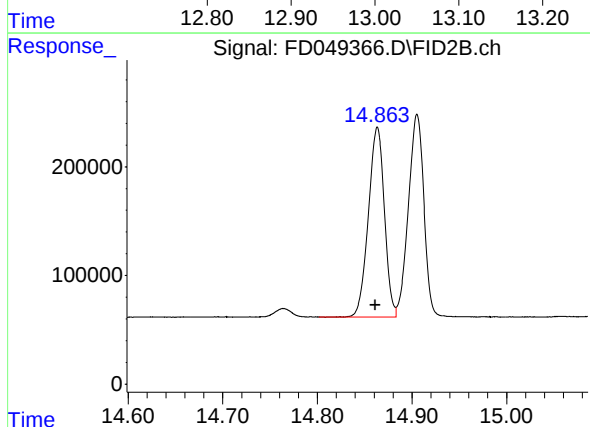
#13 Pyrene (C20.8)

R.T.: 12.992 min
Delta R.T.: 0.001 min
Response: 2295276
Conc: 16.97 ug/ml

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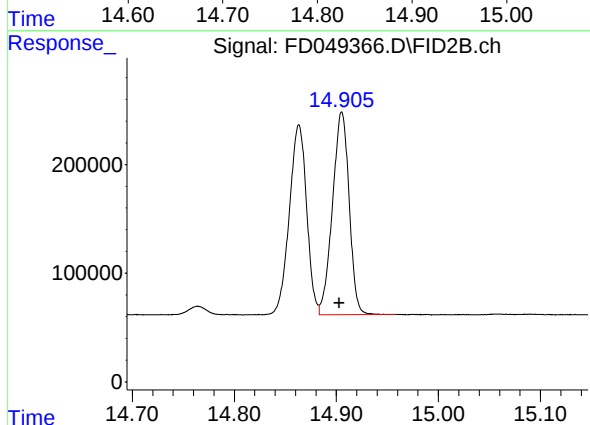
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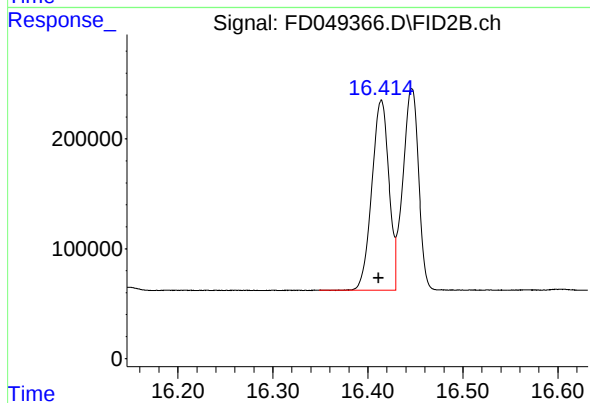
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.863 min
Delta R.T.: 0.002 min
Response: 2055075
Conc: 17.94 ug/ml



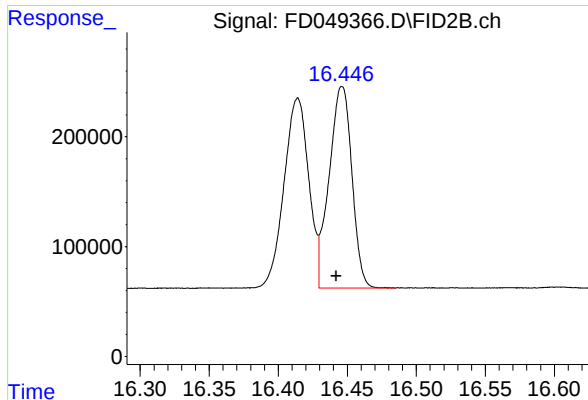
#15 Chrysene (C27.41)

R.T.: 14.905 min
Delta R.T.: 0.003 min
Response: 2115050
Conc: 18.12 ug/ml



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

R.T.: 16.414 min
Delta R.T.: 0.003 min
Response: 2153613
Conc: 17.74 ug/ml



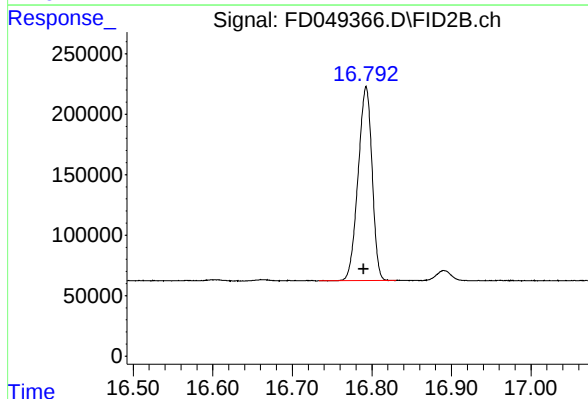
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.446 min
Delta R.T.: 0.004 min
Response: 2108727
Conc: 17.68 ug/ml

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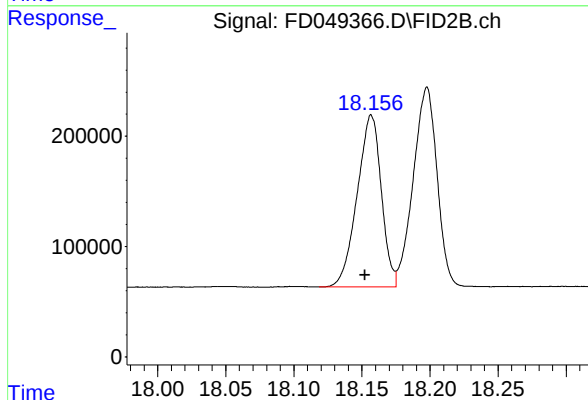
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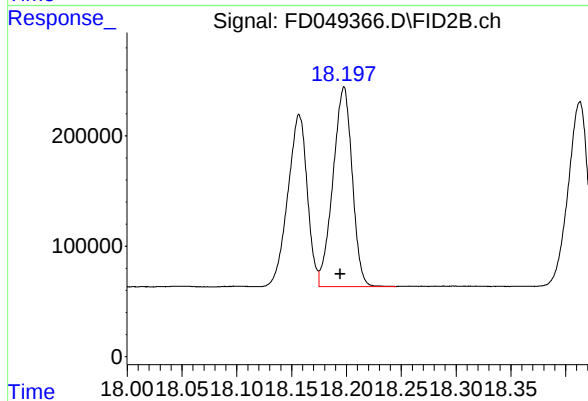
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.793 min
Delta R.T.: 0.003 min
Response: 1952954
Conc: 16.98 ug/ml



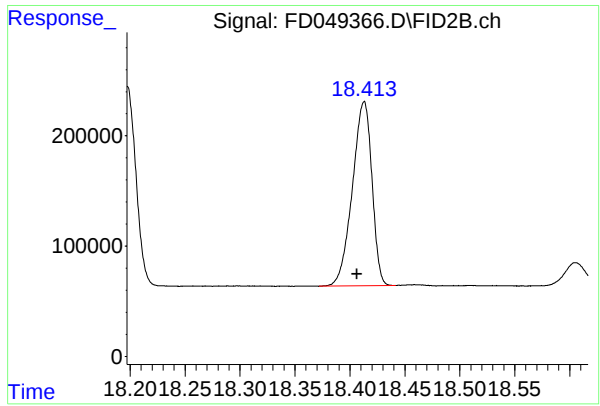
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.157 min
Delta R.T.: 0.005 min
Response: 1919669
Conc: 17.49 ug/ml



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

R.T.: 18.198 min
Delta R.T.: 0.003 min
Response: 2206440
Conc: 20.89 ug/ml



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

R.T.: 18.413 min
Delta R.T.: 0.007 min
Response: 2068077
Conc: 17.35 ug/ml

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