

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062525AR\
 Data File : FD049522.D
 Signal(s) : FID2B.ch
 Acq On : 25 Jun 2025 17:18
 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 06/26/2025
 Supervised By :mohammad ahmed 06/27/2025

Integration File: autoint1.e
 Quant Time: Jun 26 05:37:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 15:23:20 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...	7.735	2553799	20.029 ug/ml
Spiked Amount 50.000		Recovery =	40.06%
6) S 2-Fluorobiphenyl (SURR)	8.599	1845361	20.783 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.57%
11) S ortho-Terphenyl (SURR)	11.645	3185364	20.086 ug/ml
Spiked Amount 50.000		Recovery =	40.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	2457597	21.160 ug/ml
2) T Naphthalene (C11.7)	6.072	2761266	20.572 ug/ml
3) T 2-Methylnaphthalene (...)	7.125	2788688	19.738 ug/ml
5) T Acenaphthylene (C15.06)	8.404	3006017	19.228 ug/ml
7) T Acenaphthene (C15.5)	8.699	2961291	19.765 ug/ml
8) T Flouorene (C16.55)	9.480	3121340	20.290 ug/ml
9) T Phenanthrene (C19.36)	10.878	3187557	20.002 ug/ml
10) T Anthracene (C19.43)	10.952	2535730	16.151 ug/ml
12) T Fluoranthene (C21.85)	12.692	3271092	20.658 ug/ml
13) T Pyrene (C20.8)	12.990	3305040	20.890 ug/ml
14) T Benzo[a]anthracene (C...	14.862	3061786	20.746 ug/ml
15) T Chrysene (C27.41)	14.905	3135084	21.033 ug/ml
16) T benzo[b]fluoranthene ...	16.412	2987765	21.263 ug/ml
17) T Bnezo[k]fluoranthene ...	16.445	2924122	22.016 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.790	2623709	19.191 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.154	2491662	20.351 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	2997436	23.406 ug/ml
21) T Benzo[g,h,i]perylene ...	18.409	2610095	20.419 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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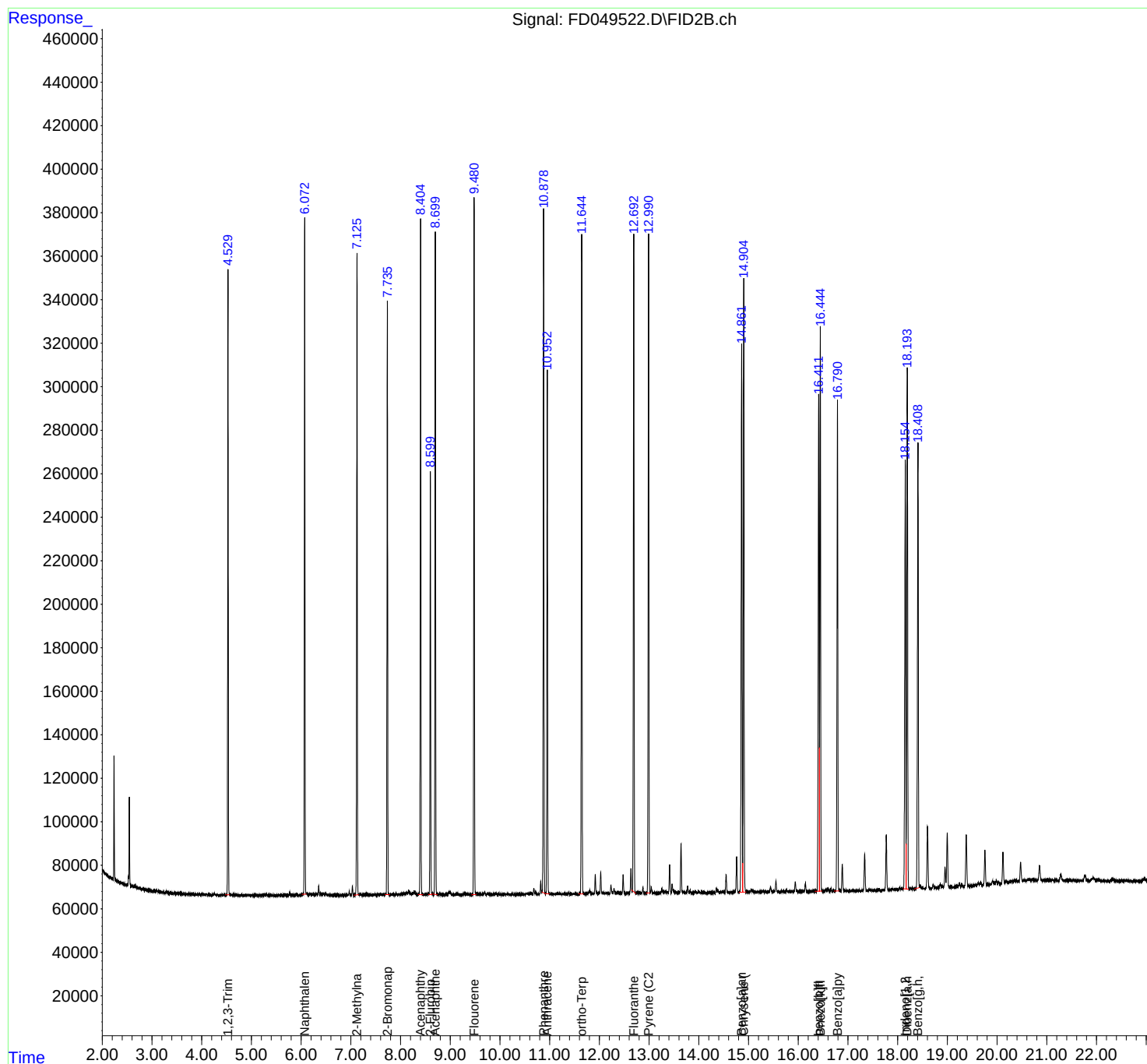
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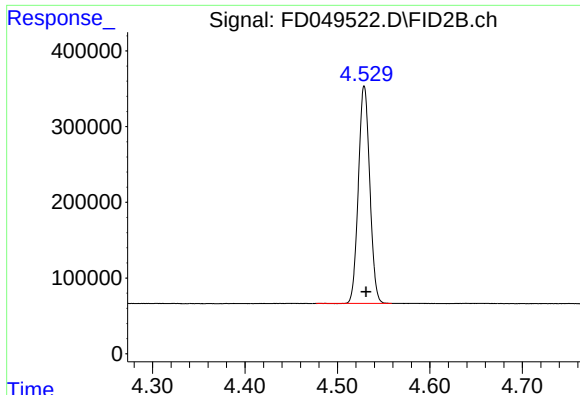
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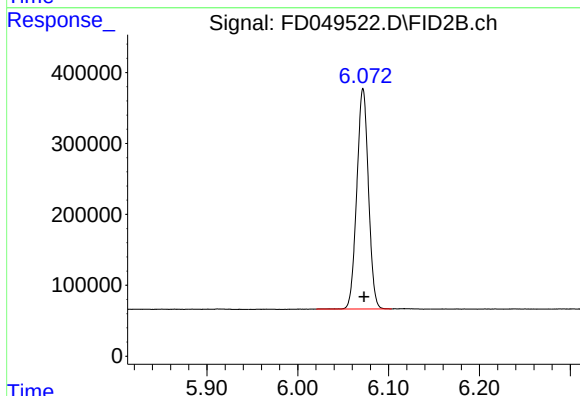
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.529 min
Delta R.T.: -0.002 min
Response: 2457597
Conc: 21.16 ug/ml

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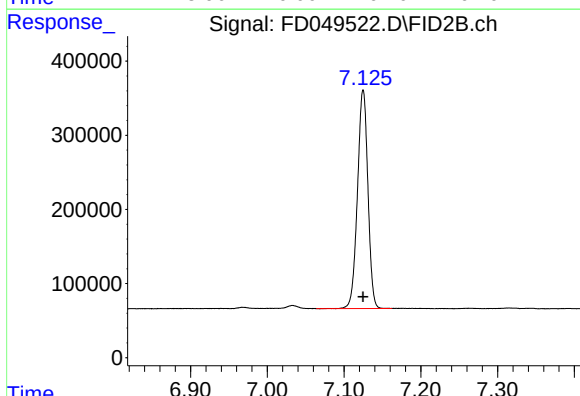
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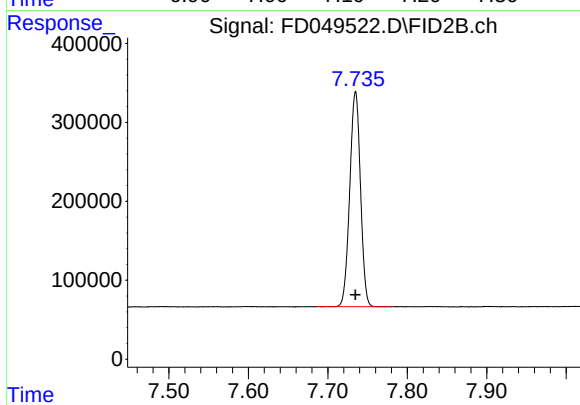
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2761266
Conc: 20.57 ug/ml



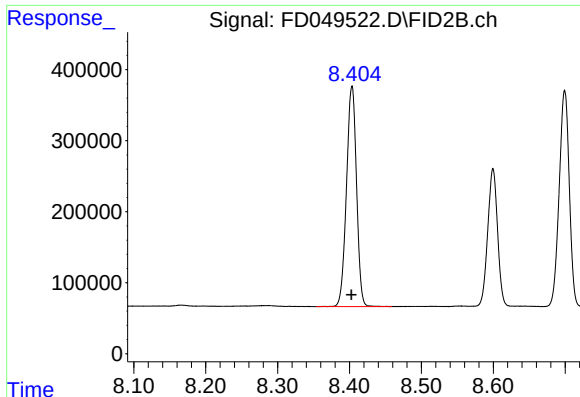
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 2788688
Conc: 19.74 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 2553799
Conc: 20.03 ug/ml



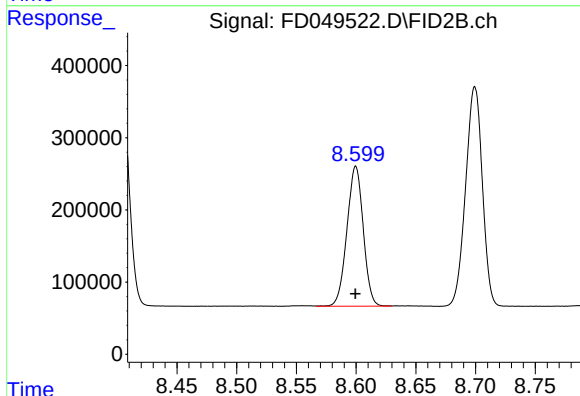
#5 Acenaphthylene (C15.06)

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 3006017
Conc: 19.23 ug/ml

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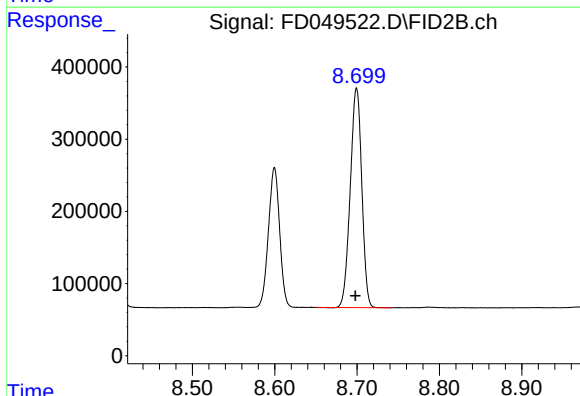
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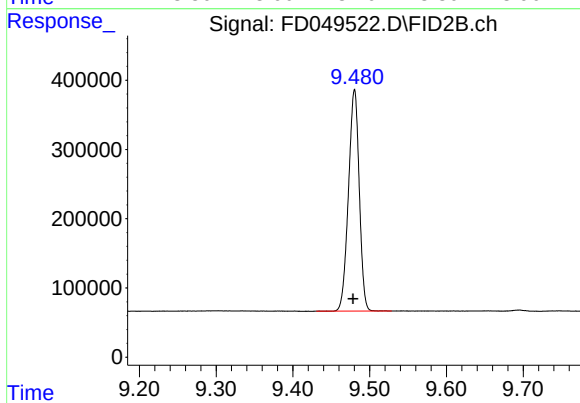
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.599 min
Delta R.T.: 0.000 min
Response: 1845361
Conc: 20.78 ug/ml m



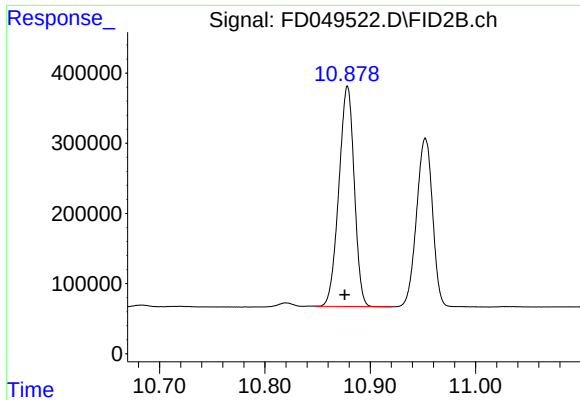
#7 Acenaphthene (C15.5)

R.T.: 8.699 min
Delta R.T.: 0.002 min
Response: 2961291
Conc: 19.76 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.480 min
Delta R.T.: 0.002 min
Response: 3121340
Conc: 20.29 ug/ml



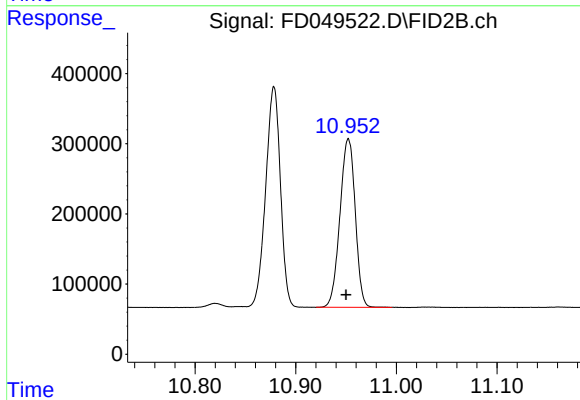
#9 Phenanthrene (C19.36)

R.T.: 10.878 min
Delta R.T.: 0.003 min
Response: 3187557
Conc: 20.00 ug/ml

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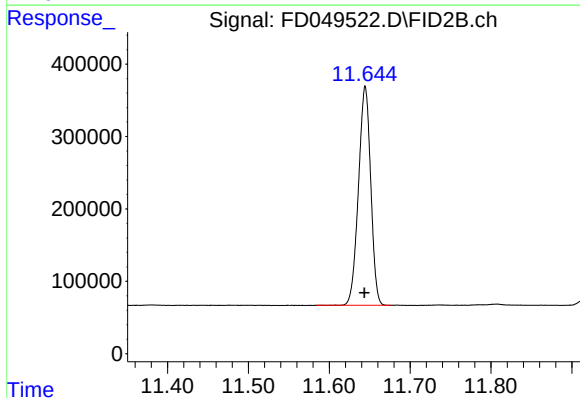
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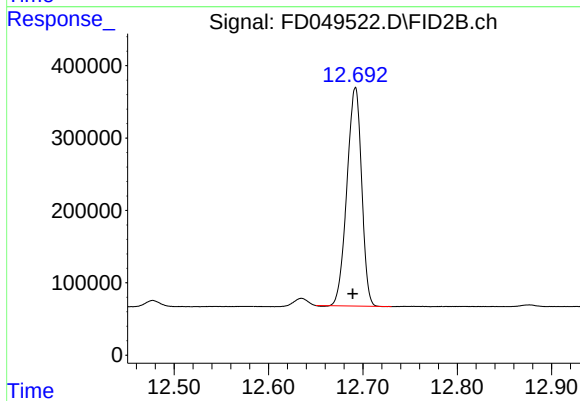
#10 Anthracene (C19.43)

R.T.: 10.952 min
Delta R.T.: 0.002 min
Response: 2535730
Conc: 16.15 ug/ml



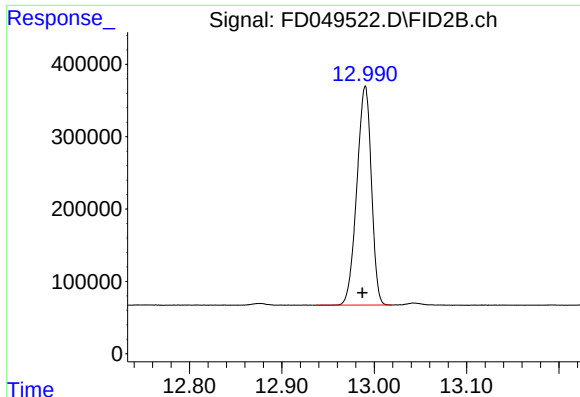
#11 ortho-Terphenyl (SURR)

R.T.: 11.645 min
Delta R.T.: 0.001 min
Response: 3185364
Conc: 20.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.692 min
Delta R.T.: 0.003 min
Response: 3271092
Conc: 20.66 ug/ml



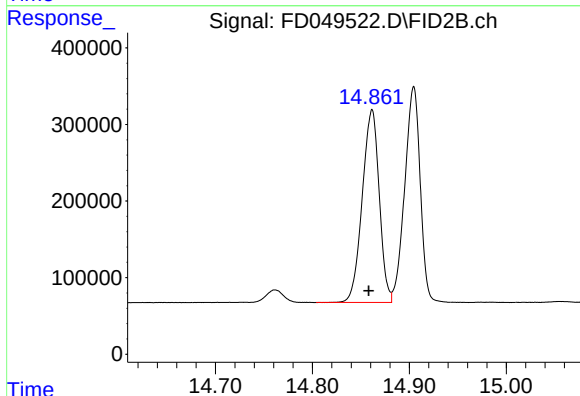
#13 Pyrene (C20.8)

R.T.: 12.990 min
Delta R.T.: 0.003 min
Response: 3305040
Conc: 20.89 ug/ml

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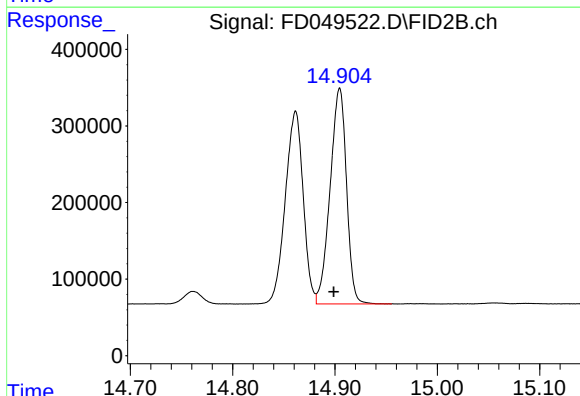
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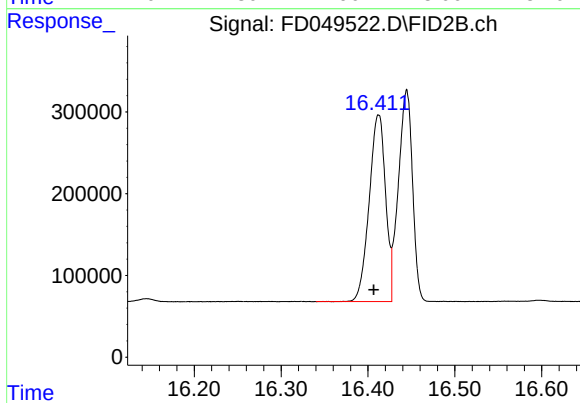
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.862 min
Delta R.T.: 0.004 min
Response: 3061786
Conc: 20.75 ug/ml



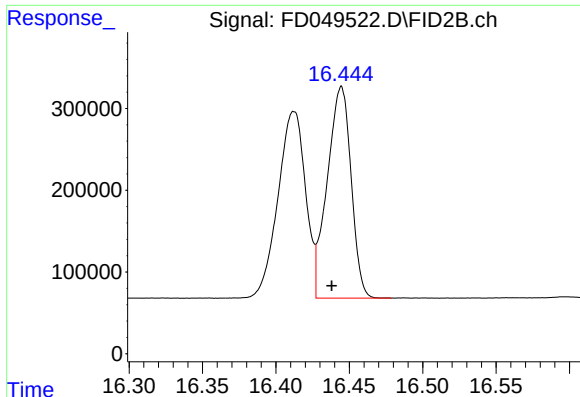
#15 Chrysene (C27.41)

R.T.: 14.905 min
Delta R.T.: 0.006 min
Response: 3135084
Conc: 21.03 ug/ml



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

R.T.: 16.412 min
Delta R.T.: 0.006 min
Response: 2987765
Conc: 21.26 ug/ml



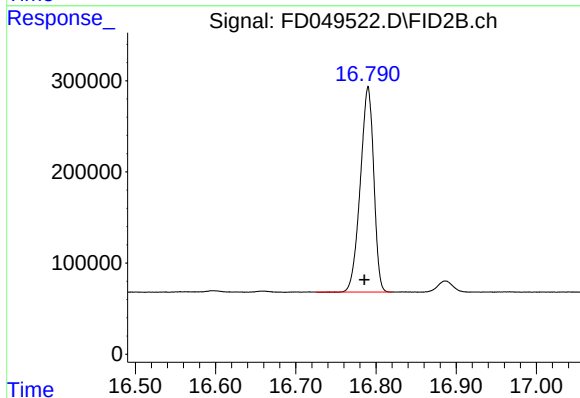
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.445 min
Delta R.T.: 0.007 min
Response: 2924122
Conc: 22.02 ug/ml

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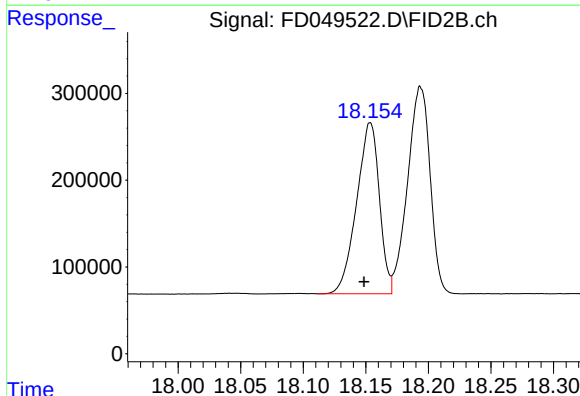
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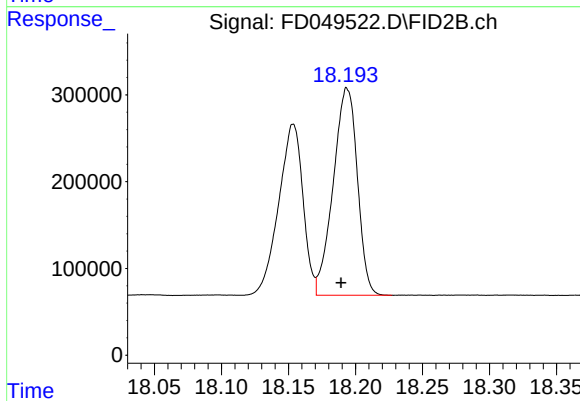
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.790 min
Delta R.T.: 0.005 min
Response: 2623709
Conc: 19.19 ug/ml



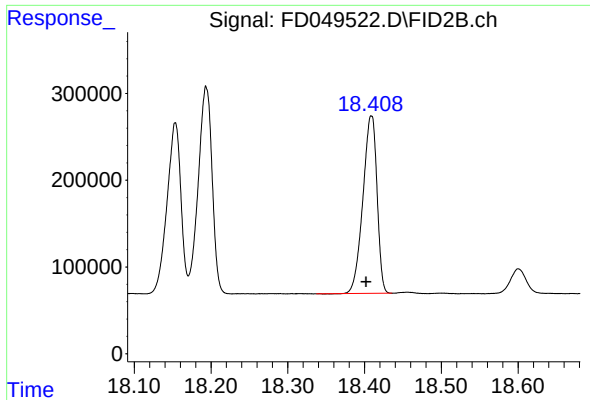
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.154 min
Delta R.T.: 0.005 min
Response: 2491662
Conc: 20.35 ug/ml



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

R.T.: 18.194 min
Delta R.T.: 0.005 min
Response: 2997436
Conc: 23.41 ug/ml



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

R.T.: 18.409 min
Delta R.T.: 0.007 min
Response: 2610095
Conc: 20.42 ug/ml

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