

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062525AR\
 Data File : FD049513.D
 Signal(s) : FID2B.ch
 Acq On : 25 Jun 2025 09:59
 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 05:36:03 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	2758580	21.635 ug/ml
Spiked Amount 50.000		Recovery =	43.27%
6) S 2-Fluorobiphenyl (SURR)	8.600	1976697	22.263 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.53%
11) S ortho-Terphenyl (SURR)	11.644	3415416	21.536 ug/ml
Spiked Amount 50.000		Recovery =	43.07%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.529	2673240	23.017 ug/ml
2) T Naphthalene (C11.7)	6.072	2992366	22.293 ug/ml
3) T 2-Methylnaphthalene (...)	7.125	3009673	21.302 ug/ml
5) T Acenaphthylene (C15.06)	8.404	3235039	20.693 ug/ml
7) T Acenaphthene (C15.5)	8.700	3190250	21.293 ug/ml
8) T Flouorene (C16.55)	9.481	3349564	21.773 ug/ml
9) T Phenanthrene (C19.36)	10.879	3448282	21.638 ug/ml
10) T Anthracene (C19.43)	10.952	2744689	17.482 ug/ml
12) T Fluoranthene (C21.85)	12.692	3514523	22.196 ug/ml
13) T Pyrene (C20.8)	12.990	3552637	22.455 ug/ml
14) T Benzo[a]anthracene (C...	14.861	3292014	22.306 ug/ml
15) T Chrysene (C27.41)	14.903	3362277	22.557 ug/ml
16) T benzo[b]fluoranthene ...	16.411	3208512	22.834 ug/ml
17) T Bnezo[k]fluoranthene ...	16.444	3141069	23.649 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.790	2818497	20.616 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.154	2673279	21.835 ug/ml
20) T Dibenz[a,h]anthracene...	18.194	3152660	24.618 ug/ml
21) T Benzo[g,h,i]perylene ...	18.410	2805304	21.946 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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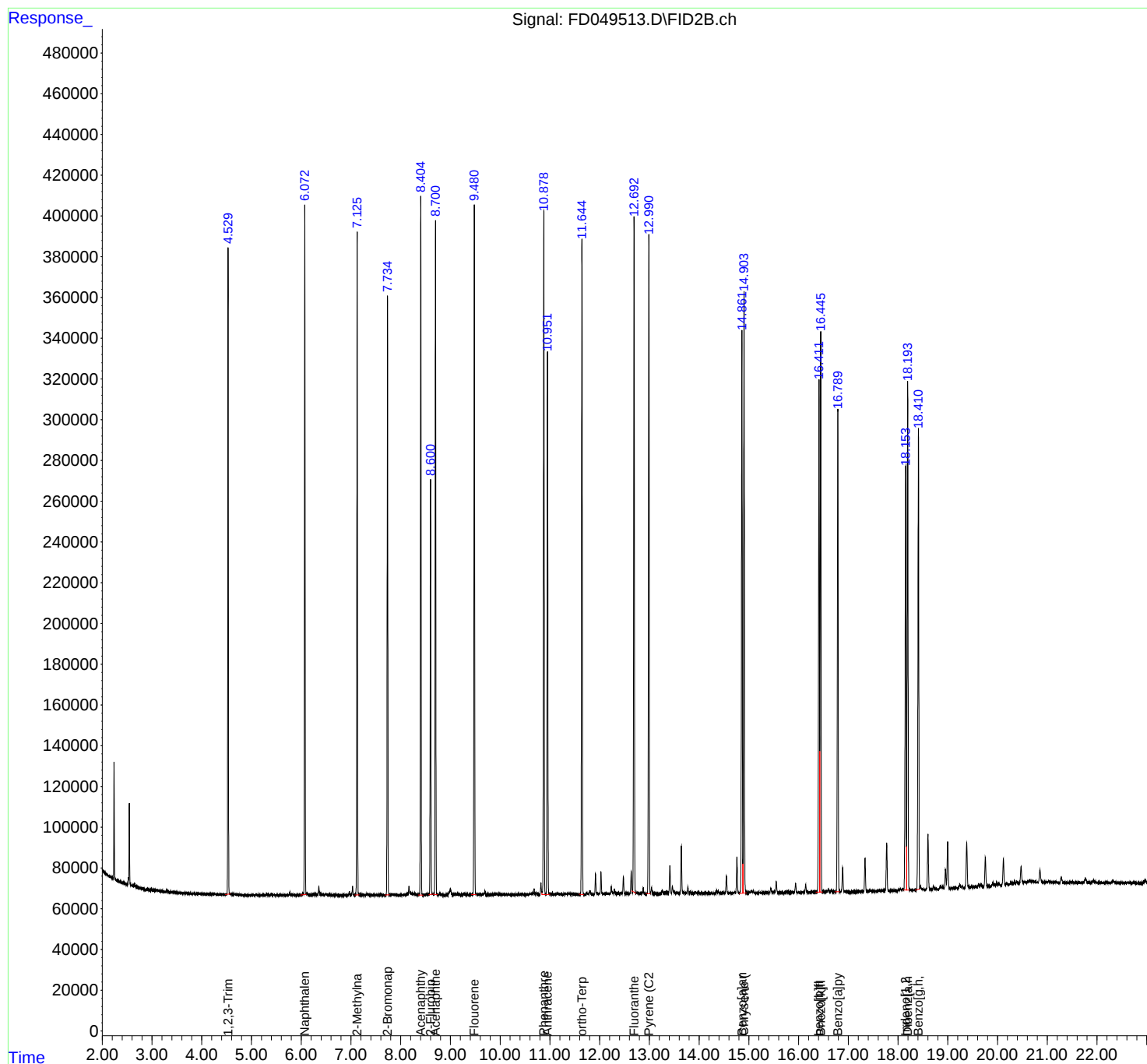
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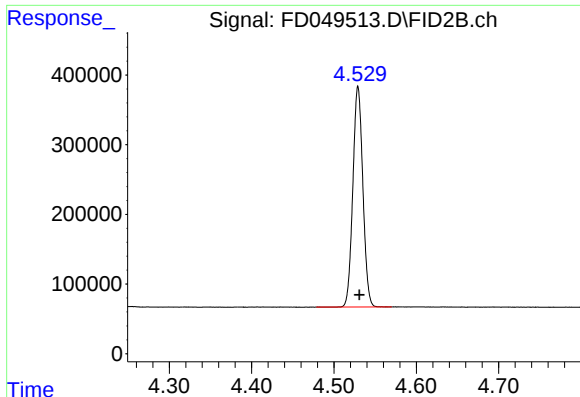
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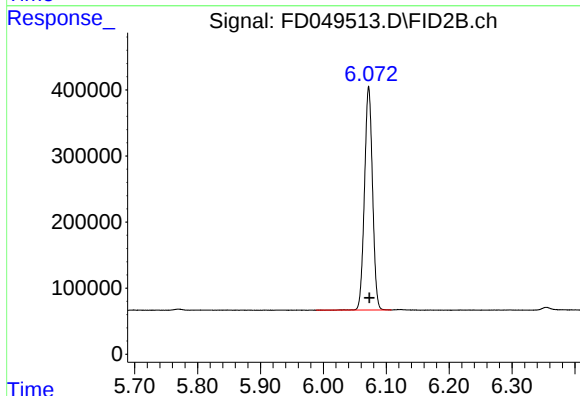
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.529 min
Delta R.T.: -0.002 min
Response: 2673240
Conc: 23.02 ug/ml

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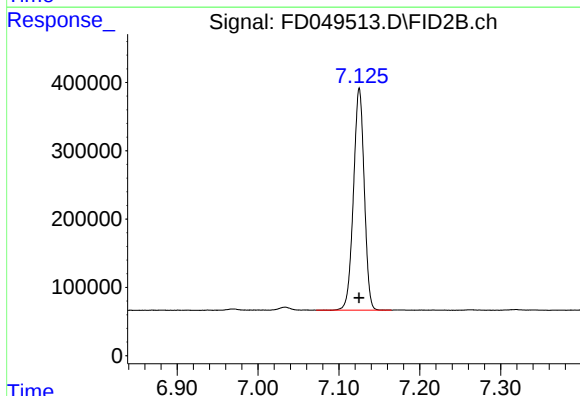
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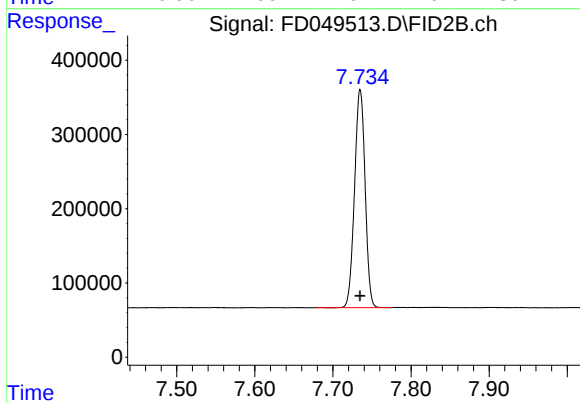
#2 Naphthalene (C11.7)

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 2992366
Conc: 22.29 ug/ml



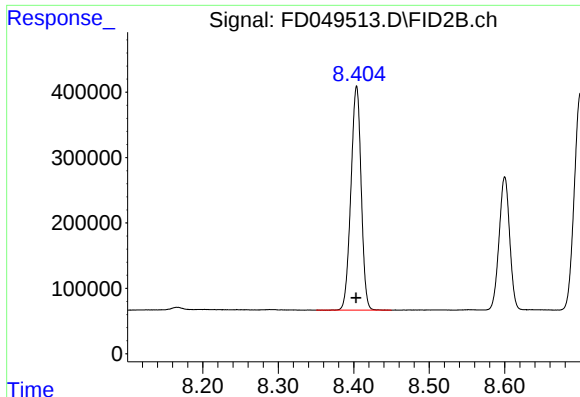
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 3009673
Conc: 21.30 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.735 min
Delta R.T.: 0.000 min
Response: 2758580
Conc: 21.63 ug/ml



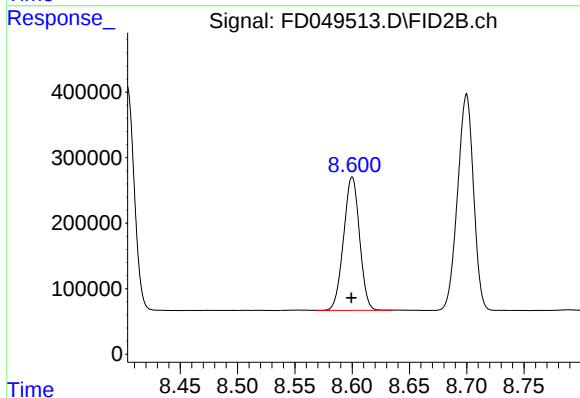
#5 Acenaphthylene (C15.06)

R.T.: 8.404 min
Delta R.T.: 0.000 min
Response: 3235039
Conc: 20.69 ug/ml

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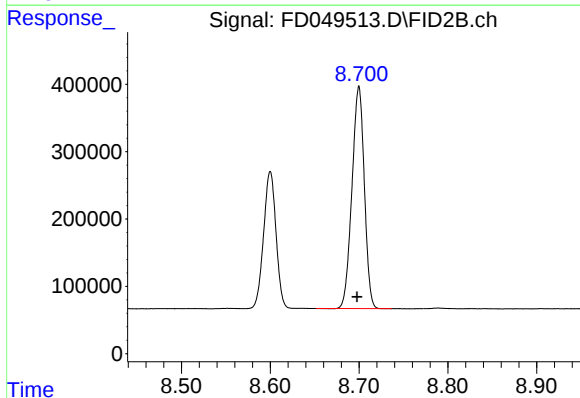
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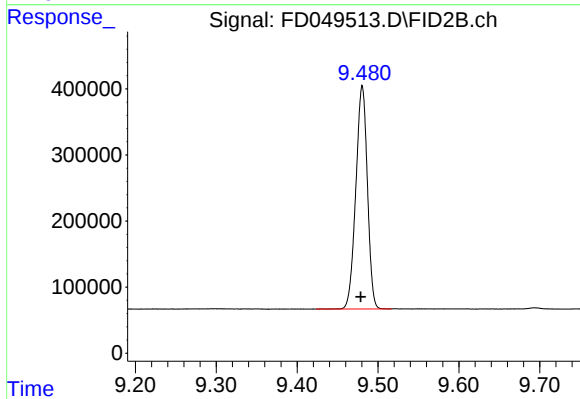
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.600 min
Delta R.T.: 0.000 min
Response: 1976697
Conc: 22.26 ug/ml m



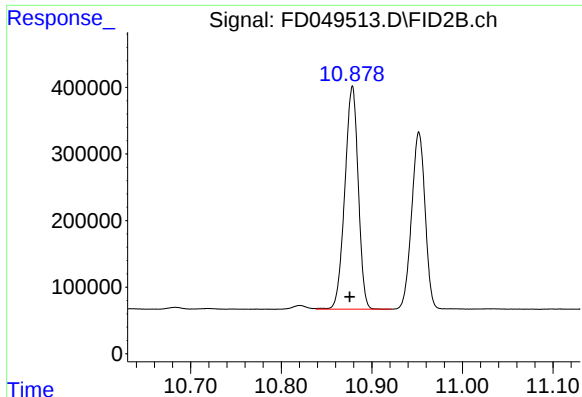
#7 Acenaphthene (C15.5)

R.T.: 8.700 min
Delta R.T.: 0.002 min
Response: 3190250
Conc: 21.29 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.481 min
Delta R.T.: 0.002 min
Response: 3349564
Conc: 21.77 ug/ml



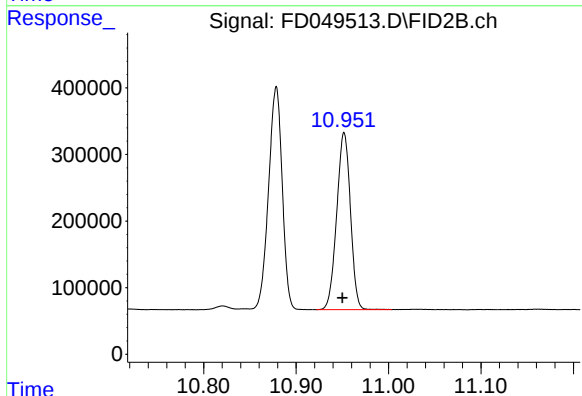
#9 Phenanthrene (C19.36)

R.T.: 10.879 min
Delta R.T.: 0.003 min
Response: 3448282
Conc: 21.64 ug/ml

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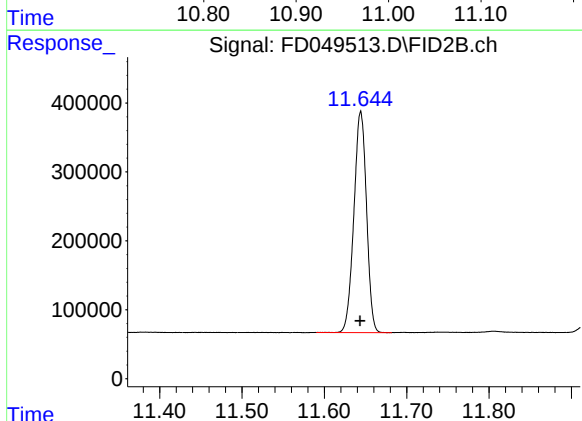
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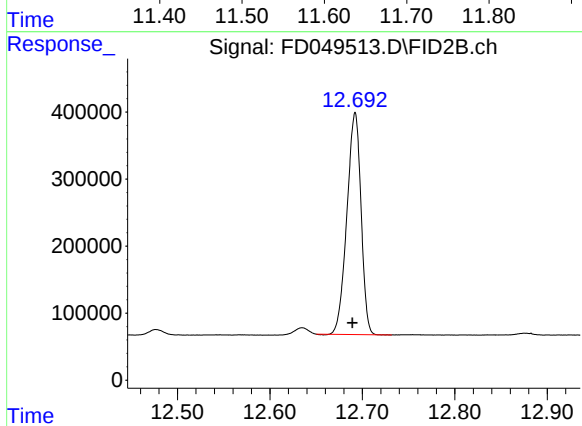
#10 Anthracene (C19.43)

R.T.: 10.952 min
Delta R.T.: 0.002 min
Response: 2744689
Conc: 17.48 ug/ml



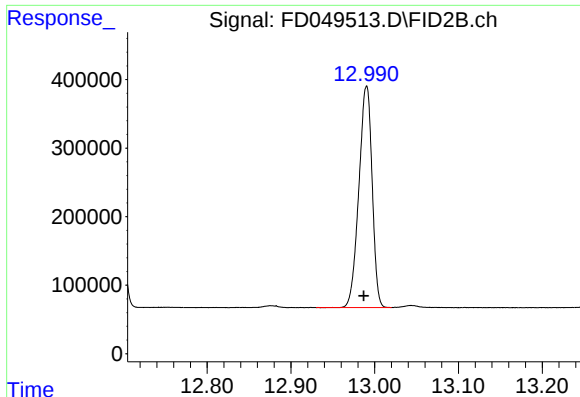
#11 ortho-Terphenyl (SURR)

R.T.: 11.644 min
Delta R.T.: 0.000 min
Response: 3415416
Conc: 21.54 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.692 min
Delta R.T.: 0.003 min
Response: 3514523
Conc: 22.20 ug/ml



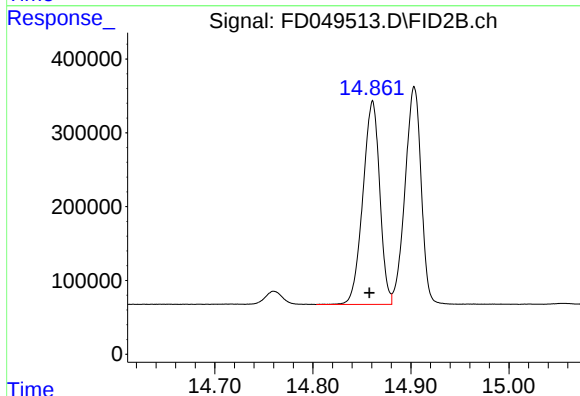
#13 Pyrene (C20.8)

R.T.: 12.990 min
Delta R.T.: 0.003 min
Response: 3552637
Conc: 22.46 ug/ml

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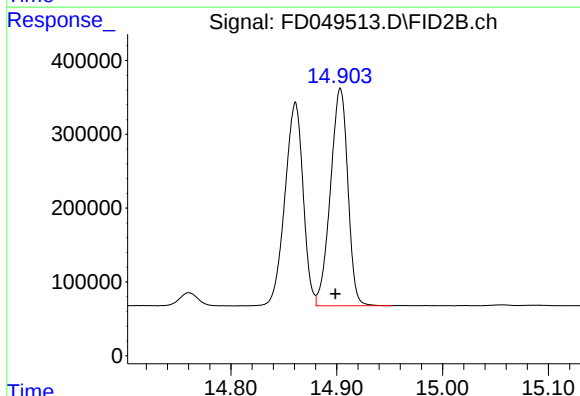
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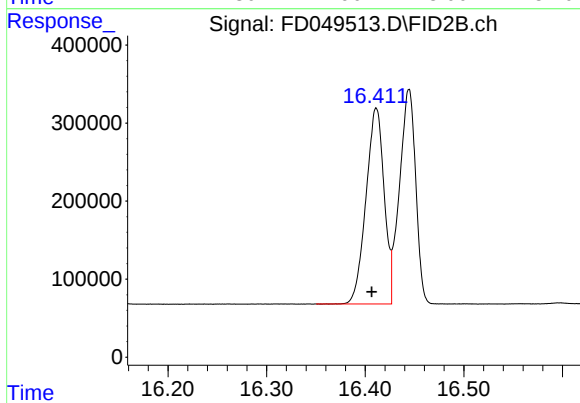
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.861 min
Delta R.T.: 0.003 min
Response: 3292014
Conc: 22.31 ug/ml



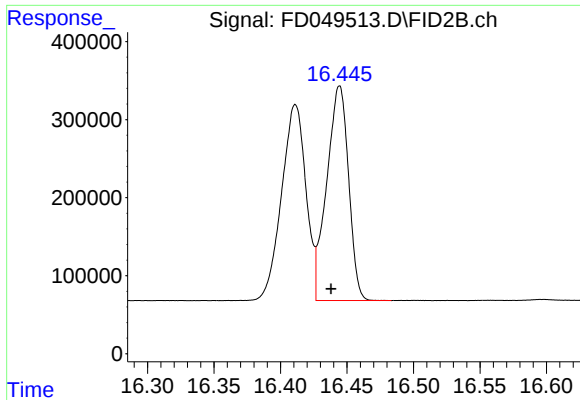
#15 Chrysene (C27.41)

R.T.: 14.903 min
Delta R.T.: 0.005 min
Response: 3362277
Conc: 22.56 ug/ml



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

R.T.: 16.411 min
Delta R.T.: 0.005 min
Response: 3208512
Conc: 22.83 ug/ml



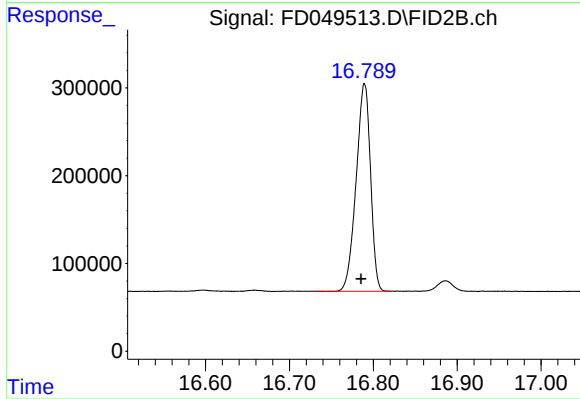
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.444 min
Delta R.T.: 0.006 min
Response: 3141069
Conc: 23.65 ug/ml

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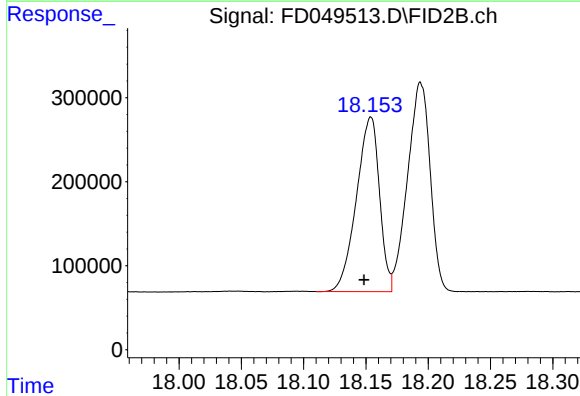
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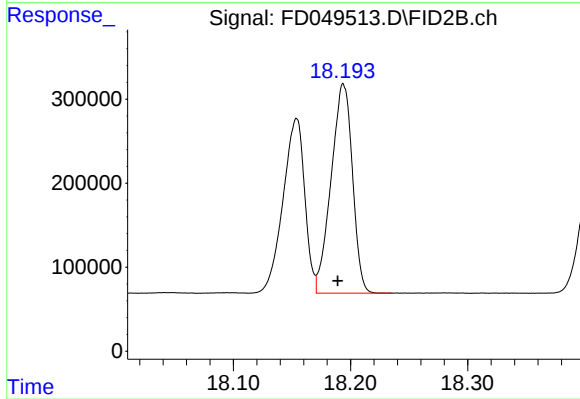
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.790 min
Delta R.T.: 0.004 min
Response: 2818497
Conc: 20.62 ug/ml



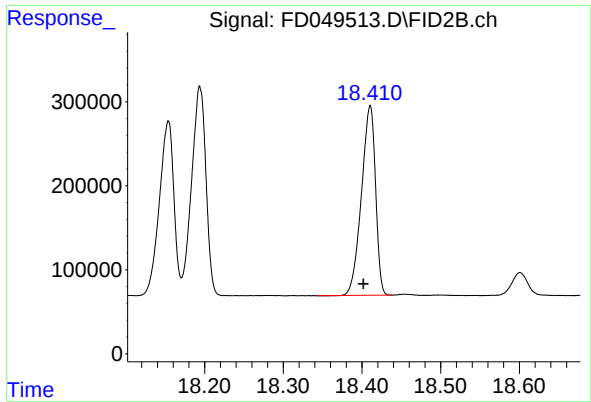
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.154 min
Delta R.T.: 0.005 min
Response: 2673279
Conc: 21.83 ug/ml



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

R.T.: 18.194 min
Delta R.T.: 0.005 min
Response: 3152660
Conc: 24.62 ug/ml



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

R.T.: 18.410 min
Delta R.T.: 0.008 min
Response: 2805304
Conc: 21.95 ug/ml

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