

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102524AR\
 Data File : FD048594.D
 Signal(s) : FID2B.ch
 Acq On : 25 Oct 2024 19:54
 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 10/28/2024
 Supervised By :Ankita Jodhani 10/28/2024

Integration File: autoint1.e
 Quant Time: Oct 26 01:02:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:59 2024
 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...	7.372	3273157	21.565 ug/ml
Spiked Amount 50.000		Recovery =	43.13%
6) S 2-Fluorobiphenyl (SURR)	8.221	2150519	21.901 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.80%
11) S ortho-Terphenyl (SURR)	11.257	3642704	21.385 ug/ml
Spiked Amount 50.000		Recovery =	42.77%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.195	3723623	21.404 ug/ml
2) T Naphthalene (C11.7)	5.713	3856786	21.615 ug/ml
3) T 2-Methylnaphthalene (...)	6.759	3860350	21.582 ug/ml
5) T Acenaphthylene (C15.06)	8.024	3772893	21.487 ug/ml
7) T Acenaphthene (C15.5)	8.318	3793818	21.390 ug/ml
8) T Flouorene (C16.55)	9.096	3655602	21.626 ug/ml
9) T Phenanthrene (C19.36)	10.484	3558937	21.529 ug/ml
10) T Anthracene (C19.43)	10.559	3275923	20.486 ug/ml
12) T Fluoranthene (C21.85)	12.287	3492497	21.221 ug/ml
13) T Pyrene (C20.8)	12.580	3432777	21.311 ug/ml
14) T Benzo[a]anthracene (C...	14.449	3148242	21.532 ug/ml
15) T Chrysene (C27.41)	14.491	3440586	20.916 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3200914	21.055 ug/ml
17) T Bnezo[k]fluoranthene ...	16.028	3152797	20.976 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	3174942	21.097 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.737	2790562	21.387 ug/ml
20) T Dibenz[a,h]anthracene...	17.776	3460465	21.264 ug/mlm
21) T Benzo[g,h,i]perylene ...	17.986	3078232	20.107 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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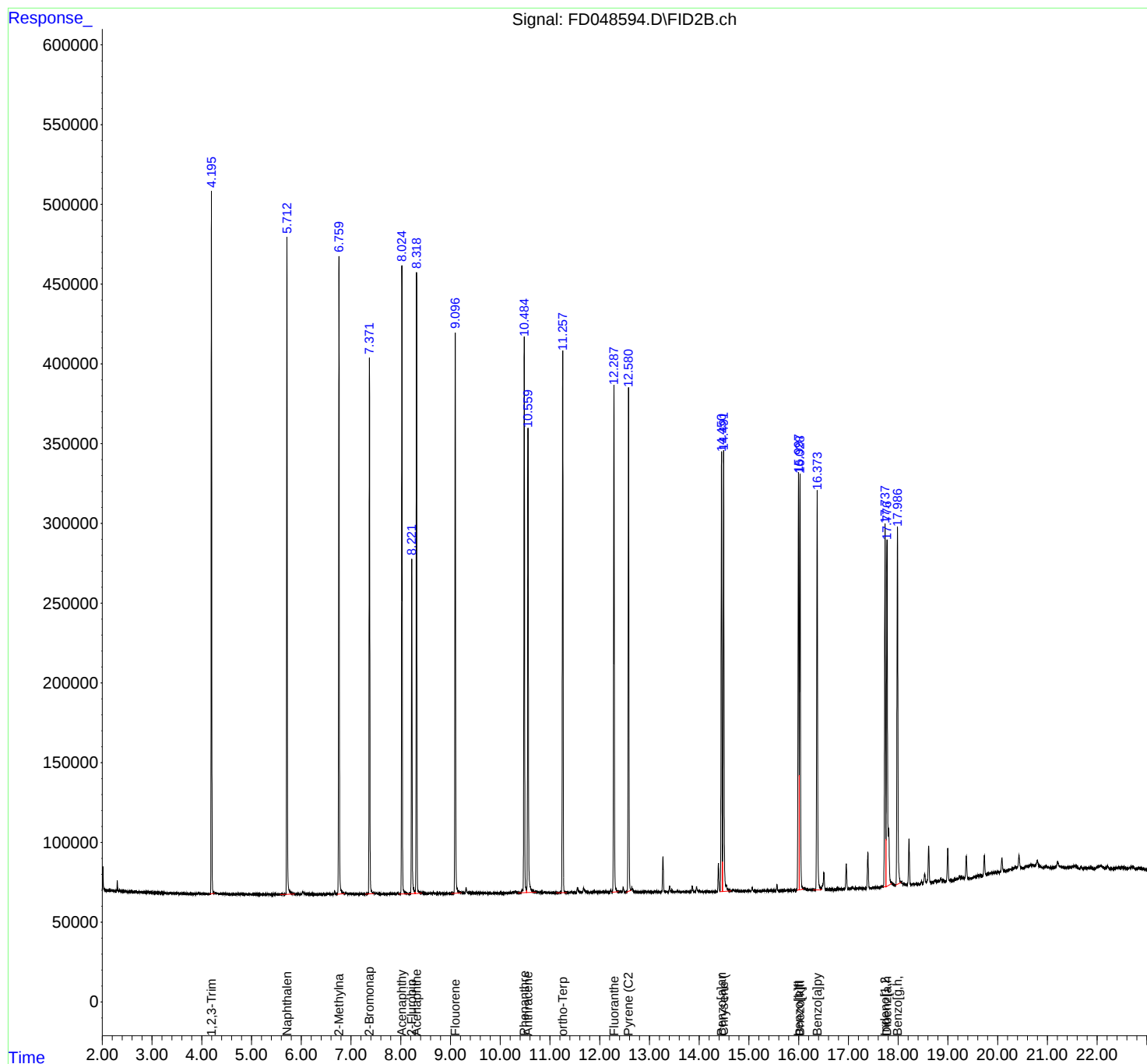
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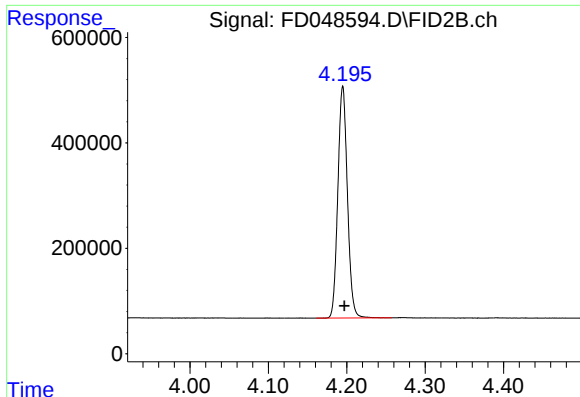
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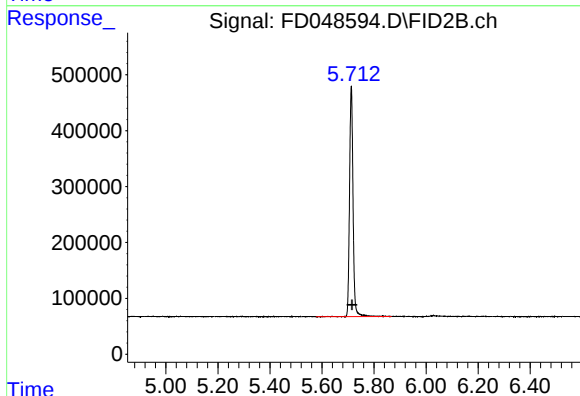
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.195 min
Delta R.T.: -0.002 min
Response: 3723623
Conc: 21.40 ug/ml

Instrument :
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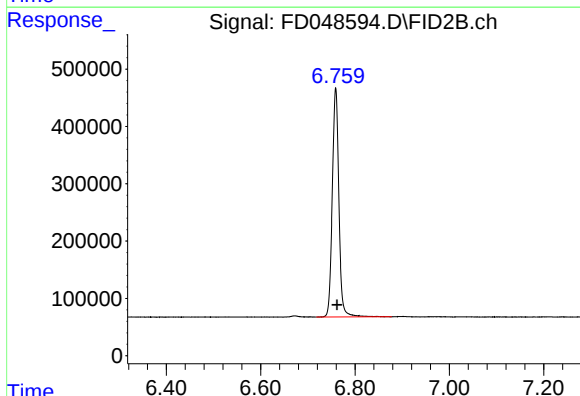
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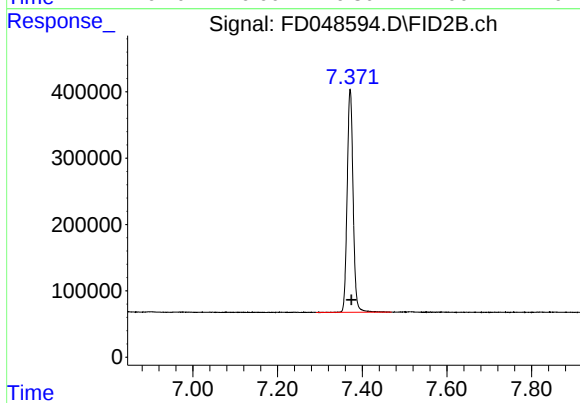
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: -0.003 min
Response: 3856786
Conc: 21.61 ug/ml



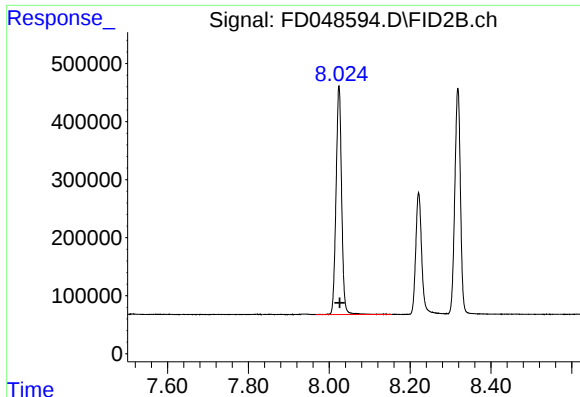
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.759 min
Delta R.T.: -0.003 min
Response: 3860350
Conc: 21.58 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.372 min
Delta R.T.: -0.003 min
Response: 3273157
Conc: 21.57 ug/ml



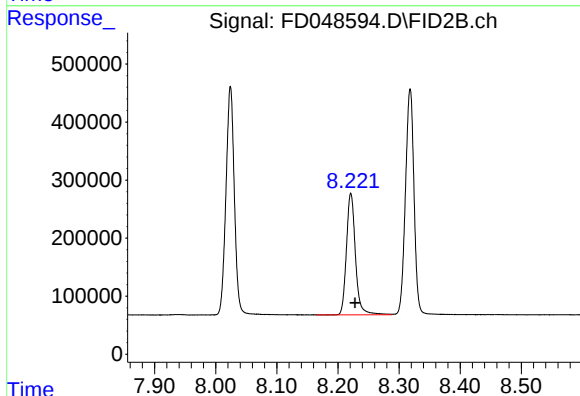
#5 Acenaphthylene (C15.06)

R.T.: 8.024 min
Delta R.T.: -0.002 min
Response: 3772893
Conc: 21.49 ug/ml

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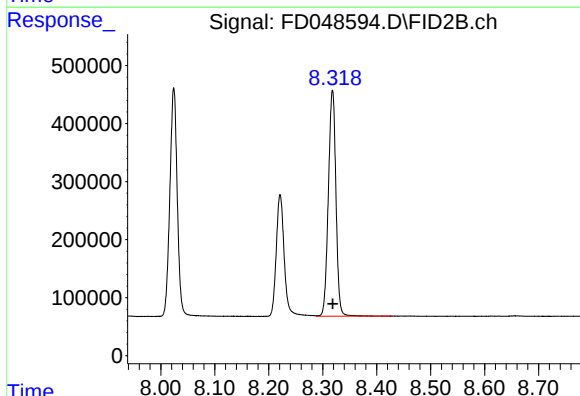
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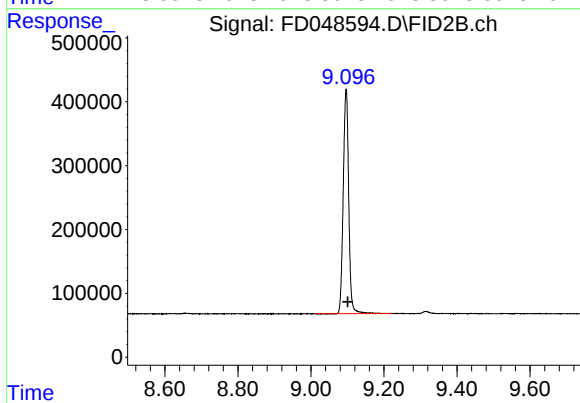
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.221 min
Delta R.T.: -0.007 min
Response: 2150519
Conc: 21.90 ug/ml



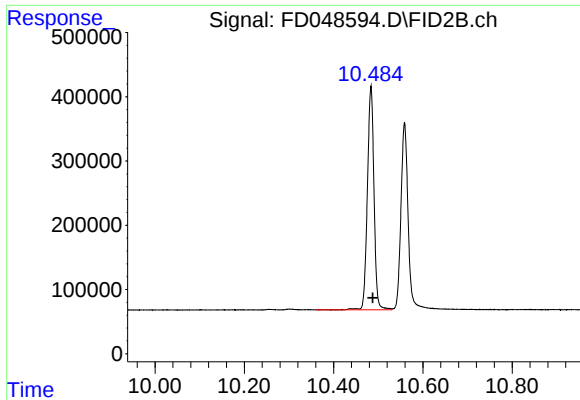
#7 Acenaphthene (C15.5)

R.T.: 8.318 min
Delta R.T.: 0.000 min
Response: 3793818
Conc: 21.39 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.096 min
Delta R.T.: -0.004 min
Response: 3655602
Conc: 21.63 ug/ml



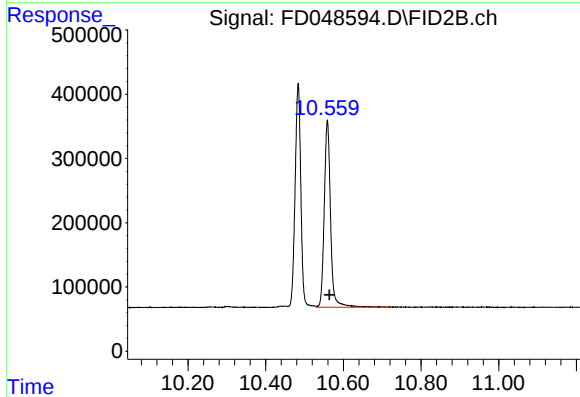
#9 Phenanthrene (C19.36)

R.T.: 10.484 min
Delta R.T.: -0.004 min
Response: 3558937
Conc: 21.53 ug/ml

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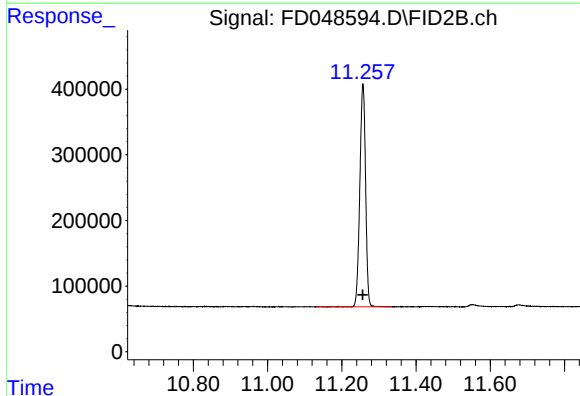
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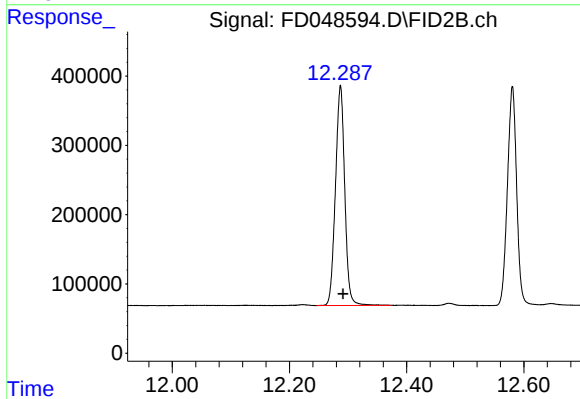
#10 Anthracene (C19.43)

R.T.: 10.559 min
Delta R.T.: -0.006 min
Response: 3275923
Conc: 20.49 ug/ml



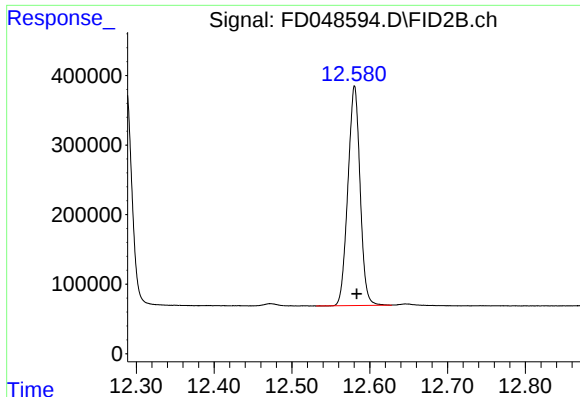
#11 ortho-Terphenyl (SURR)

R.T.: 11.257 min
Delta R.T.: 0.000 min
Response: 3642704
Conc: 21.38 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.287 min
Delta R.T.: -0.004 min
Response: 3492497
Conc: 21.22 ug/ml



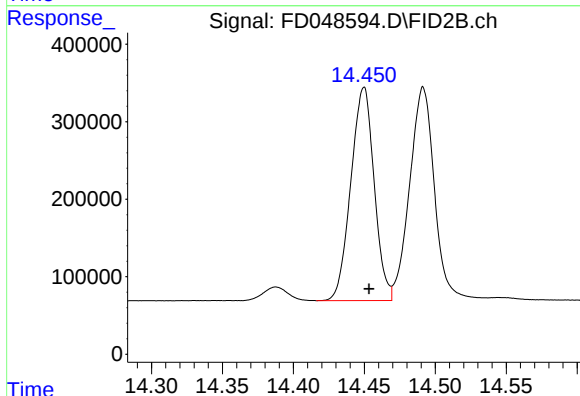
#13 Pyrene (C20.8)

R.T.: 12.580 min
Delta R.T.: -0.003 min
Response: 3432777
Conc: 21.31 ug/ml

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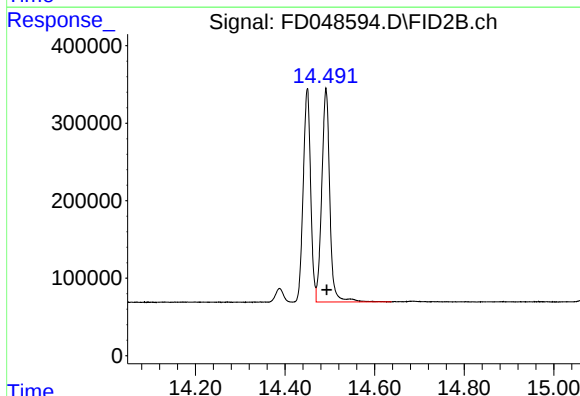
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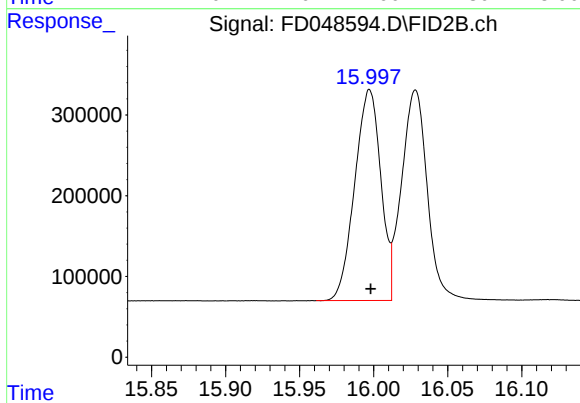
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.449 min
Delta R.T.: -0.004 min
Response: 3148242
Conc: 21.53 ug/ml



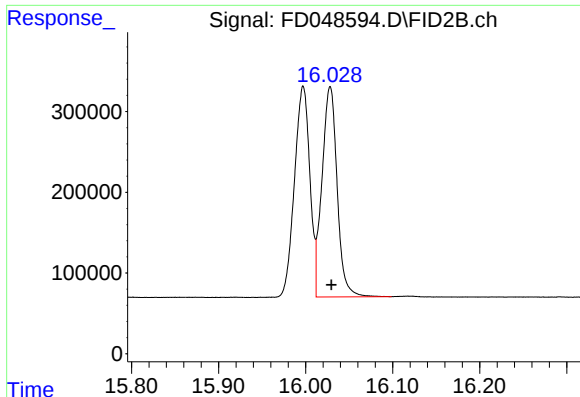
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: -0.002 min
Response: 3440586
Conc: 20.92 ug/ml



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

R.T.: 15.997 min
Delta R.T.: 0.000 min
Response: 3200914
Conc: 21.05 ug/ml



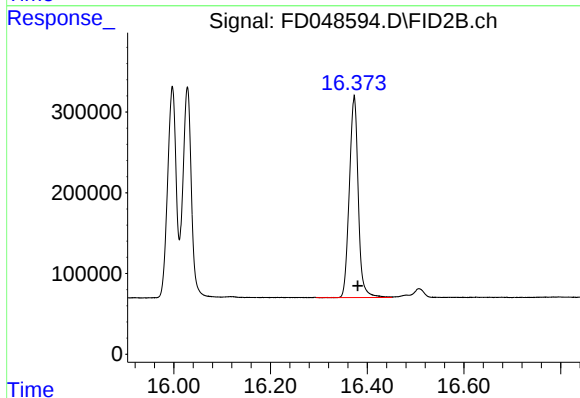
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.028 min
Delta R.T.: -0.002 min
Response: 3152797
Conc: 20.98 ug/ml

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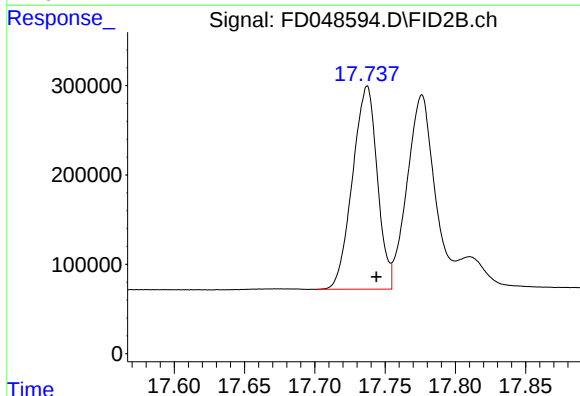
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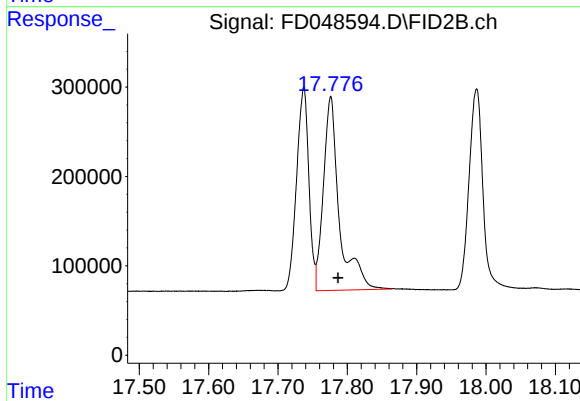
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: -0.008 min
Response: 3174942
Conc: 21.10 ug/ml



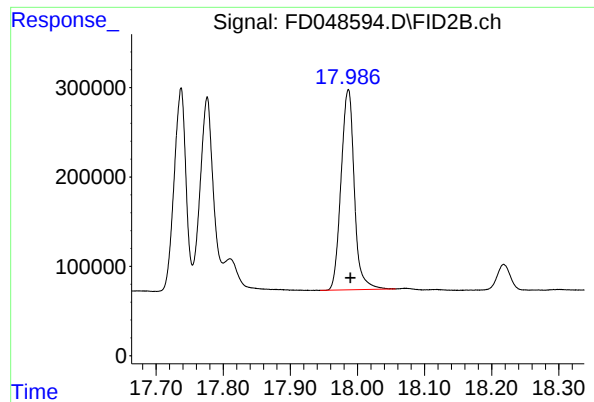
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: -0.007 min
Response: 2790562
Conc: 21.39 ug/ml



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

R.T.: 17.776 min
Delta R.T.: -0.011 min
Response: 3460465
Conc: 21.26 ug/ml m



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

R.T.: 17.986 min
Delta R.T.: -0.004 min
Response: 3078232
Conc: 20.11 ug/ml

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