

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112224AR\
 Data File : FD048799.D
 Signal(s) : FID2B.ch
 Acq On : 22 Nov 2024 10:19
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/25/2024
 Supervised By :Ankita Jodhani 11/25/2024

Integration File: autoint1.e
 Quant Time: Nov 22 23:06:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 111424.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 14 14:16:25 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...	7.365	3874489	22.007 ug/ml
Spiked Amount 50.000		Recovery =	44.01%
6) S 2-Fluorobiphenyl (SURR)	8.215	2541044	22.063 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.13%
11) S ortho-Terphenyl (SURR)	11.251	4354691	22.641 ug/ml
Spiked Amount 50.000		Recovery =	45.28%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.188	4381887	23.251 ug/ml
2) T Naphthalene (C11.7)	5.704	4536425	23.196 ug/ml
3) T 2-Methylnaphthalene (...)	6.752	4555365	23.837 ug/ml
5) T Acenaphthylene (C15.06)	8.018	4424405	22.815 ug/ml
7) T Acenaphthene (C15.5)	8.312	4492567	23.357 ug/ml
8) T Flouorene (C16.55)	9.091	4351996	22.684 ug/ml
9) T Phenanthrene (C19.36)	10.479	4215420	22.997 ug/ml
10) T Anthracene (C19.43)	10.554	3601794	19.233 ug/ml
12) T Fluoranthene (C21.85)	12.284	4209158	22.985 ug/ml
13) T Pyrene (C20.8)	12.577	4055265	22.430 ug/ml
14) T Benzo[a]anthracene (C...	14.446	3627805	22.053 ug/ml
15) T Chrysene (C27.41)	14.489	3916795	22.380 ug/ml
16) T benzo[b]fluoranthene ...	15.995	3522583	22.420 ug/ml
17) T Bnezo[k]fluoranthene ...	16.026	3626868	22.224 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.371	3338218	22.389 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.737	2751973	22.278 ug/ml
20) T Dibenz[a,h]anthracene...	17.775	3540849	22.580 ug/ml
21) T Benzo[g,h,i]perylene ...	17.987	3167983	22.202 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 53 Sample Multiplier: 1

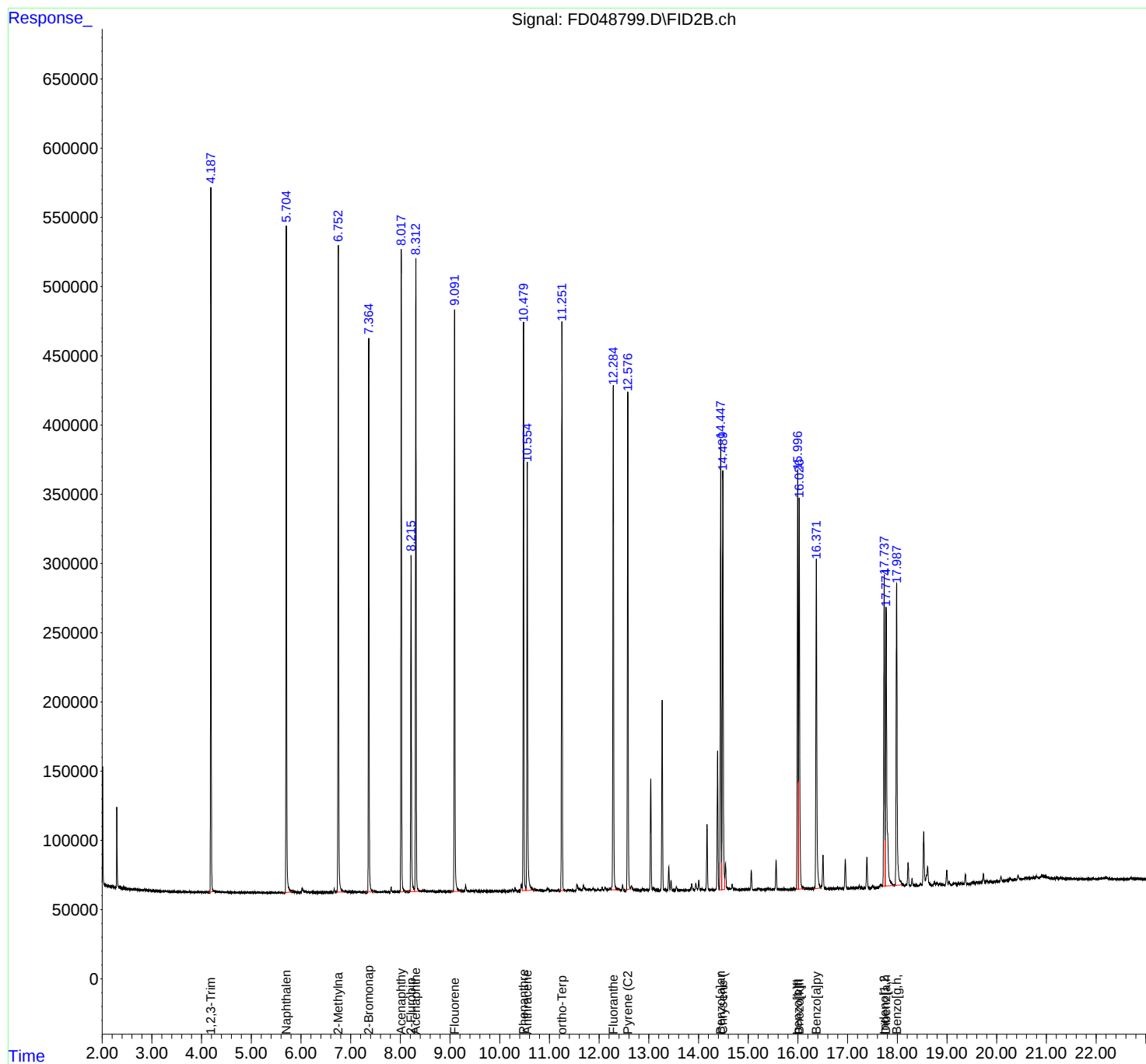
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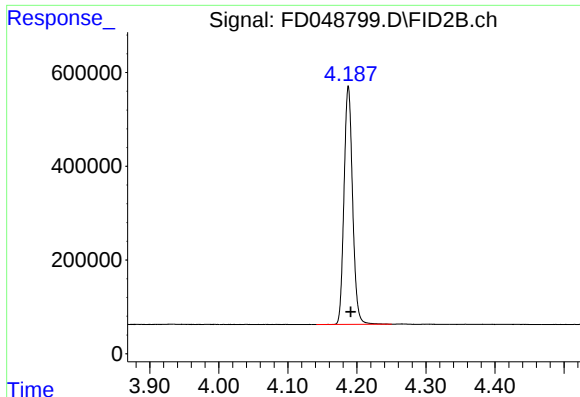
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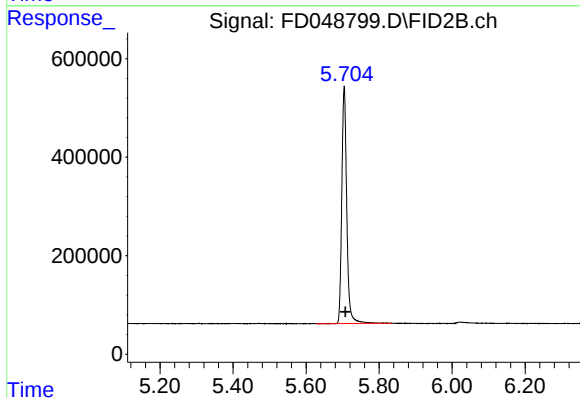
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 4381887
Conc: 23.25 ug/ml

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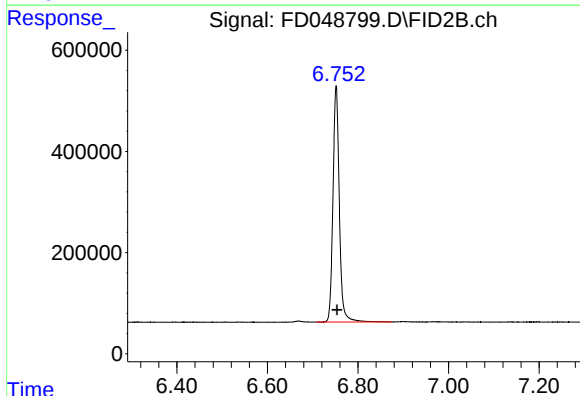
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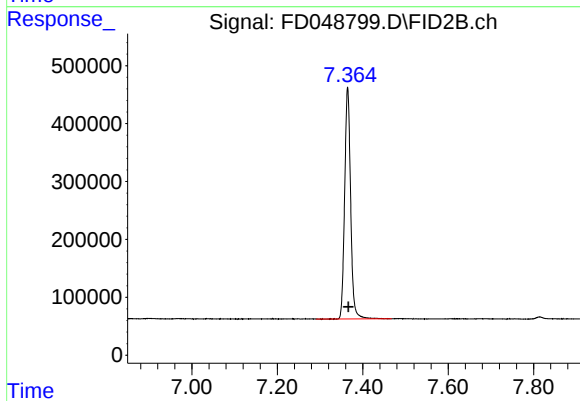
#2 Naphthalene (C11.7)

R.T.: 5.704 min
Delta R.T.: -0.003 min
Response: 4536425
Conc: 23.20 ug/ml



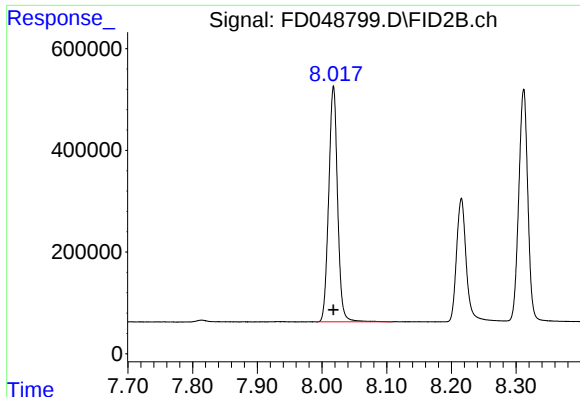
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 4555365
Conc: 23.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.365 min
Delta R.T.: -0.002 min
Response: 3874489
Conc: 22.01 ug/ml



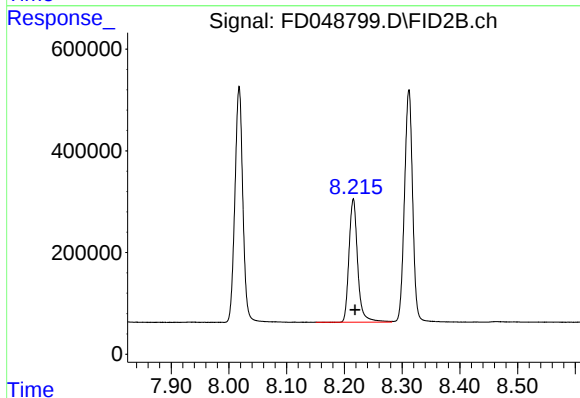
#5 Acenaphthylene (C15.06)

R.T.: 8.018 min
Delta R.T.: 0.000 min
Response: 4424405
Conc: 22.81 ug/ml

Instrument :
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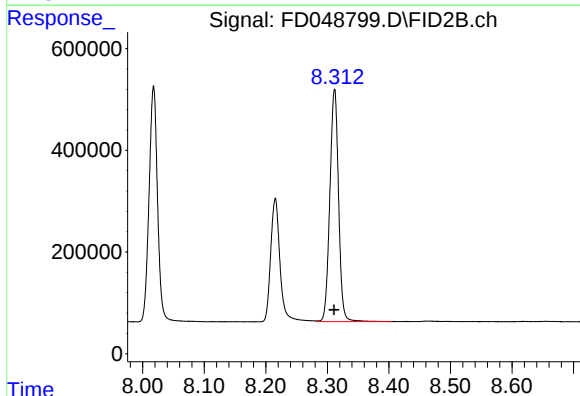
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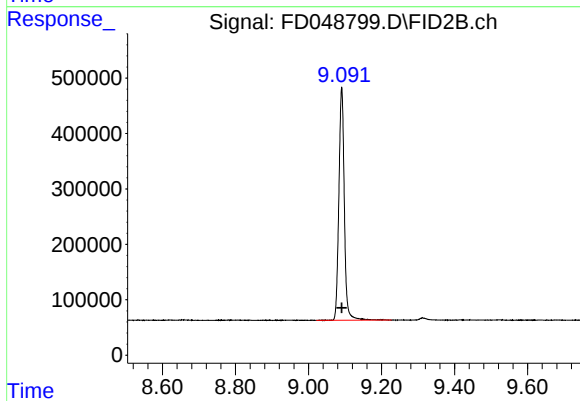
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: -0.003 min
Response: 2541044
Conc: 22.06 ug/ml



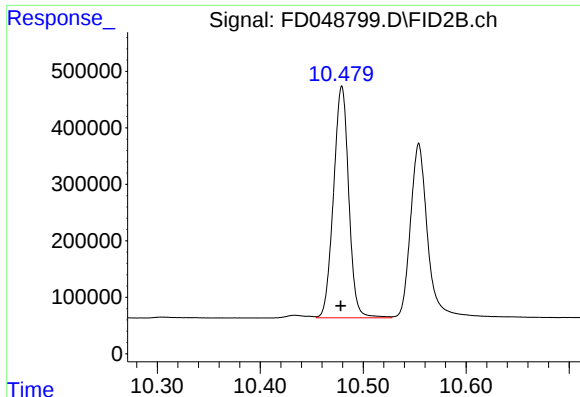
#7 Acenaphthene (C15.5)

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 4492567
Conc: 23.36 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.091 min
Delta R.T.: 0.000 min
Response: 4351996
Conc: 22.68 ug/ml



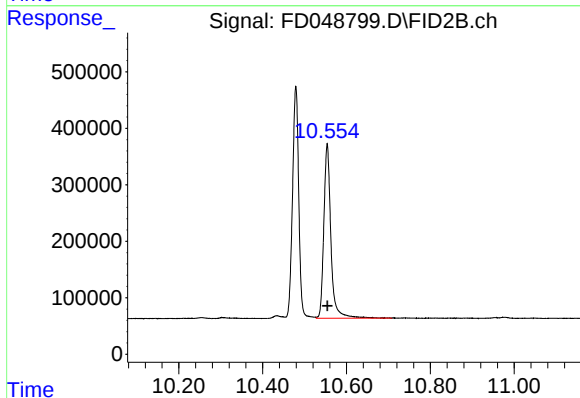
#9 Phenanthrene (C19.36)

R.T.: 10.479 min
Delta R.T.: 0.001 min
Response: 4215420
Conc: 23.00 ug/ml

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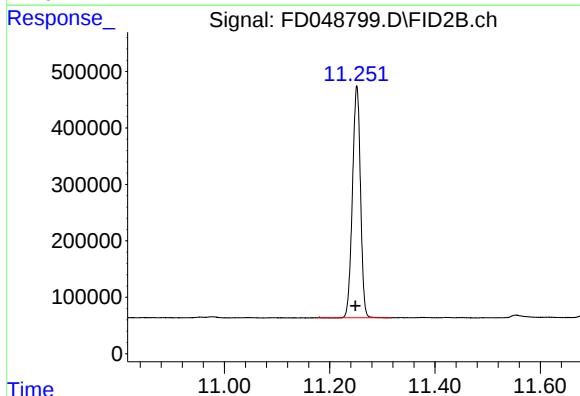
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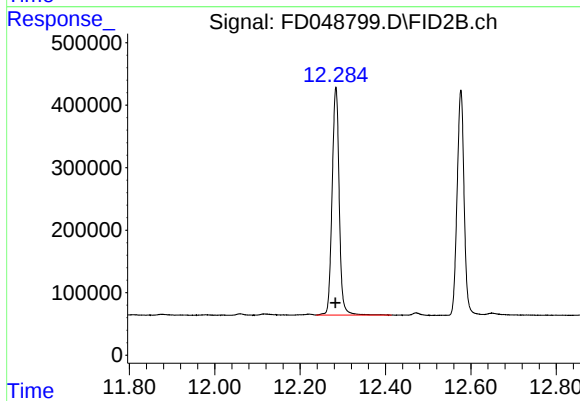
#10 Anthracene (C19.43)

R.T.: 10.554 min
Delta R.T.: 0.000 min
Response: 3601794
Conc: 19.23 ug/ml



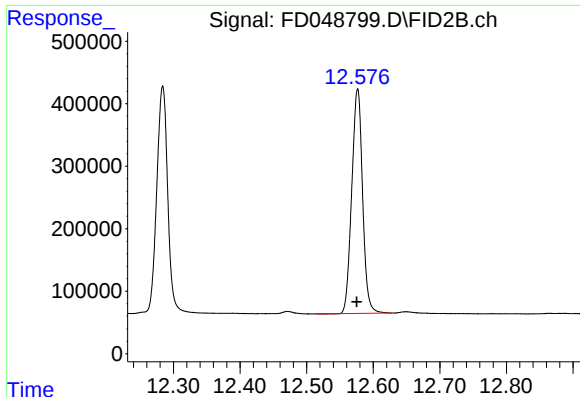
#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: 0.003 min
Response: 4354691
Conc: 22.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.284 min
Delta R.T.: 0.001 min
Response: 4209158
Conc: 22.99 ug/ml



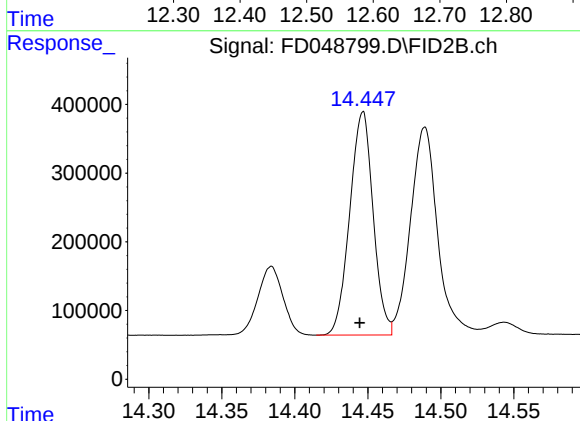
#13 Pyrene (C20.8)

R.T.: 12.577 min
Delta R.T.: 0.001 min
Response: 4055265
Conc: 22.43 ug/ml

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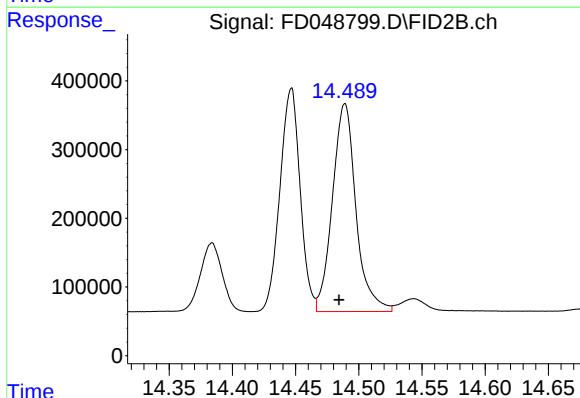
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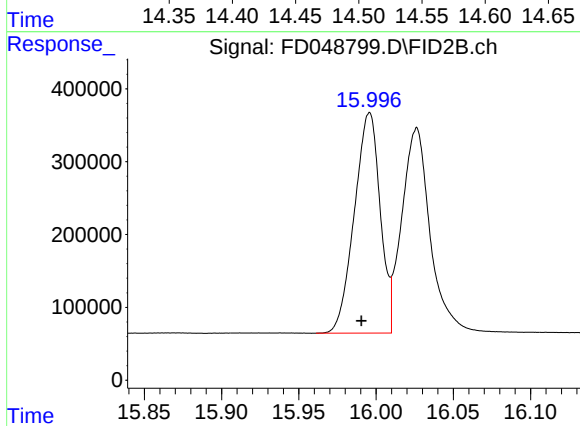
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.446 min
Delta R.T.: 0.002 min
Response: 3627805
Conc: 22.05 ug/ml



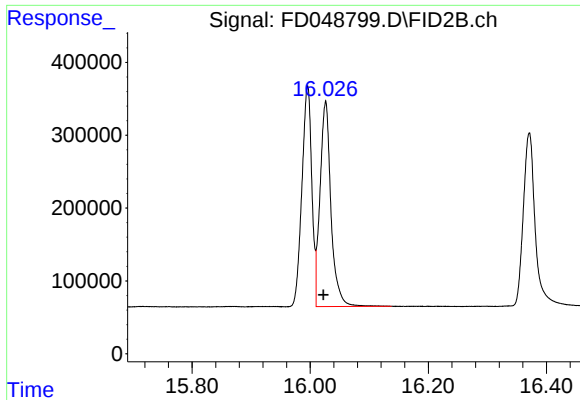
#15 Chrysene (C27.41)

R.T.: 14.489 min
Delta R.T.: 0.004 min
Response: 3916795
Conc: 22.38 ug/ml



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

R.T.: 15.995 min
Delta R.T.: 0.005 min
Response: 3522583
Conc: 22.42 ug/ml



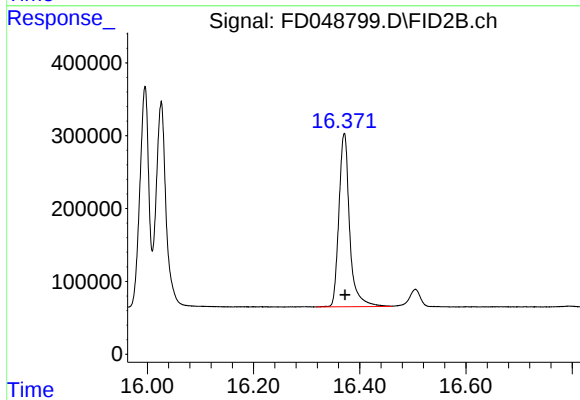
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.026 min
Delta R.T.: 0.003 min
Response: 3626868
Conc: 22.22 ug/ml

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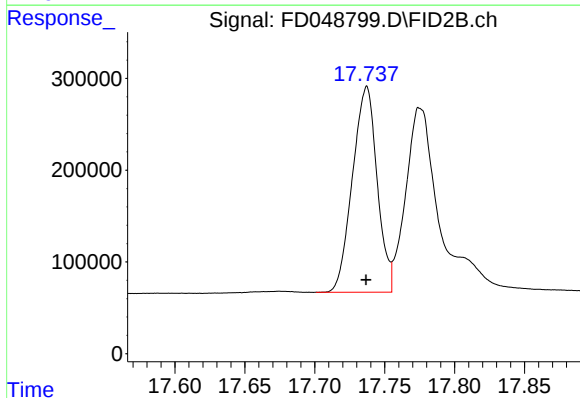
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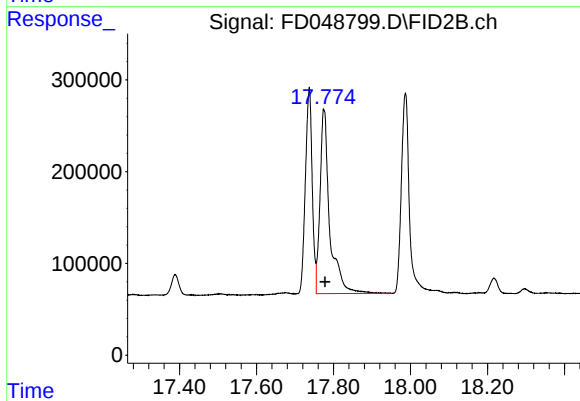
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.371 min
Delta R.T.: -0.001 min
Response: 3338218
Conc: 22.39 ug/ml m



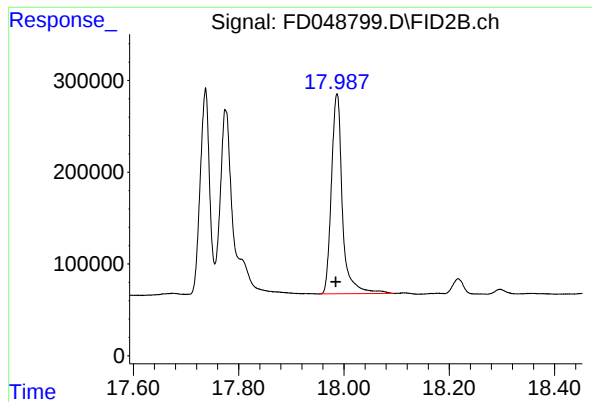
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.737 min
Delta R.T.: 0.000 min
Response: 2751973
Conc: 22.28 ug/ml



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

R.T.: 17.775 min
Delta R.T.: -0.003 min
Response: 3540849
Conc: 22.58 ug/ml



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

R.T.: 17.987 min
Delta R.T.: 0.002 min
Response: 3167983
Conc: 22.20 ug/ml

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