

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112124AR\
 Data File : FD048796.D
 Signal(s) : FID2B.ch
 Acq On : 21 Nov 2024 14:23
 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 11/22/2024
 Supervised By :Ankita Jodhani 11/22/2024

Integration File: autoint1.e
 Quant Time: Nov 22 00:51:59 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...	7.364	3598293	20.438 ug/ml
Spiked Amount 50.000		Recovery =	40.88%
6) S 2-Fluorobiphenyl (SURR)	8.215	2366714	20.550 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.10%
11) S ortho-Terphenyl (SURR)	11.251	3963652	20.608 ug/mlm
Spiked Amount 50.000		Recovery =	41.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.188	3933201	20.870 ug/ml
2) T Naphthalene (C11.7)	5.705	4030398	20.608 ug/ml
3) T 2-Methylnaphthalene (...)	6.751	3949690	20.668 ug/ml
5) T Acenaphthylene (C15.06)	8.017	4016629	20.712 ug/ml
7) T Acenaphthene (C15.5)	8.311	3979721	20.691 ug/ml
8) T Flouorene (C16.55)	9.091	3974405	20.716 ug/ml
9) T Phenanthrene (C19.36)	10.478	3801775	20.740 ug/ml
10) T Anthracene (C19.43)	10.554	3563901	19.031 ug/ml
12) T Fluoranthene (C21.85)	12.283	3804693	20.777 ug/ml
13) T Pyrene (C20.8)	12.575	3691796	20.420 ug/ml
14) T Benzo[a]anthracene (C...	14.446	3372442	20.501 ug/ml
15) T Chrysene (C27.41)	14.488	3575519	20.430 ug/ml
16) T benzo[b]fluoranthene ...	15.993	3173273	20.197 ug/ml
17) T Bnezo[k]fluoranthene ...	16.025	3493668	21.408 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.370	2976888	19.966 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.733	2453979	19.865 ug/ml
20) T Dibenz[a,h]anthracene...	17.773	3459264	22.060 ug/ml
21) T Benzo[g,h,i]perylene ...	17.984	2721456	19.073 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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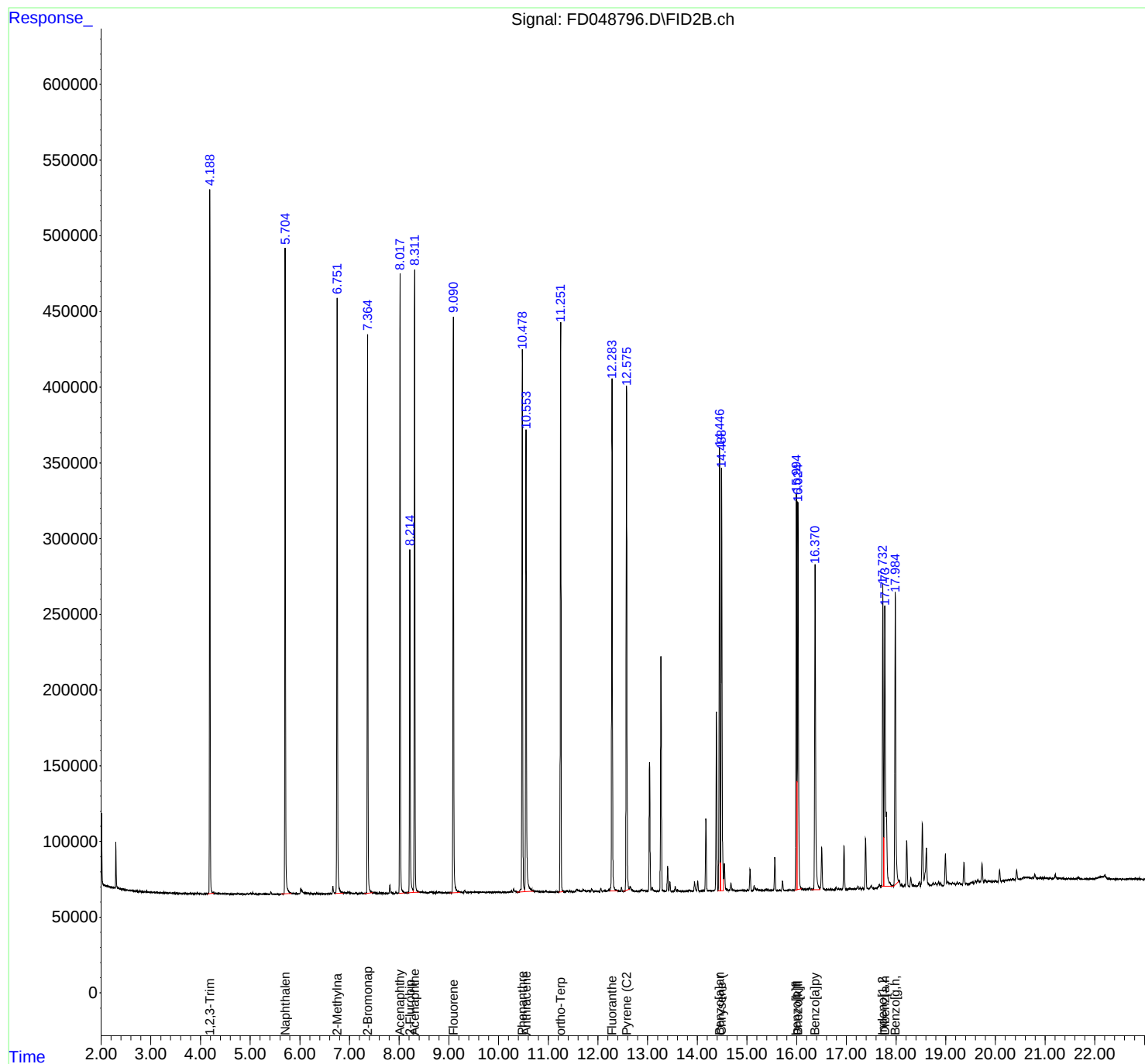
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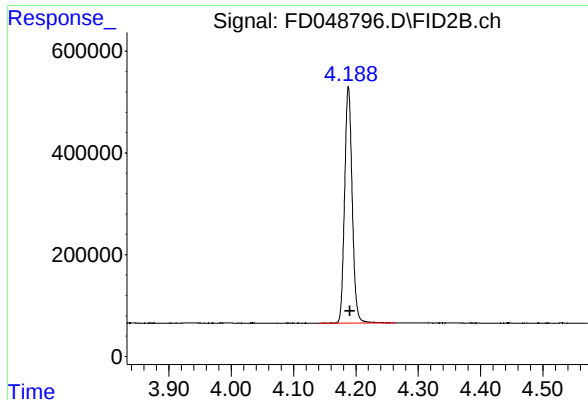
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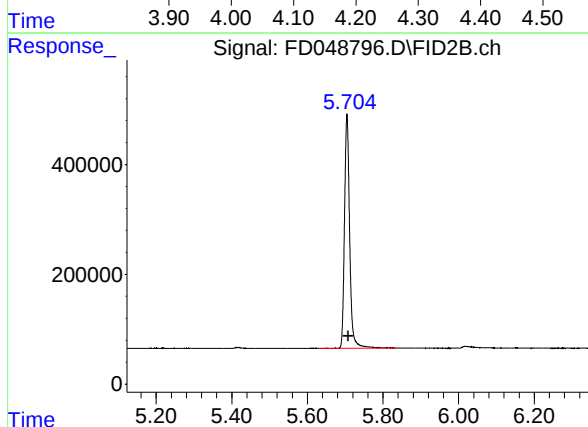
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 3933201
Conc: 20.87 ug/ml

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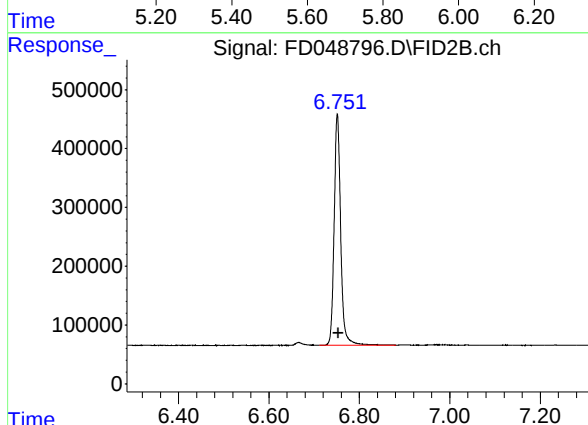
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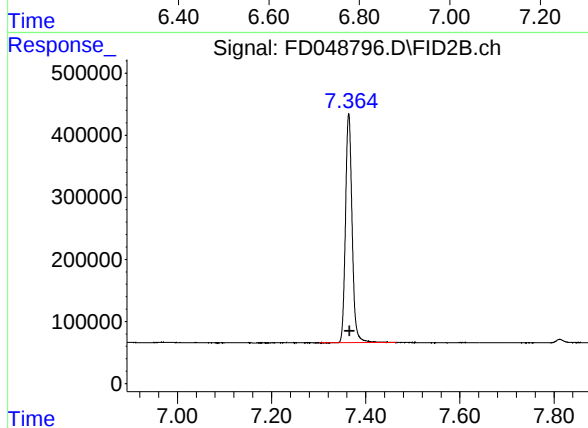
#2 Naphthalene (C11.7)

R.T.: 5.705 min
Delta R.T.: -0.003 min
Response: 4030398
Conc: 20.61 ug/ml



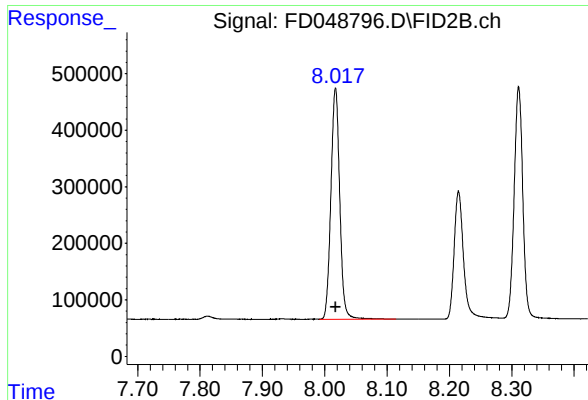
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.751 min
Delta R.T.: -0.002 min
Response: 3949690
Conc: 20.67 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.364 min
Delta R.T.: -0.002 min
Response: 3598293
Conc: 20.44 ug/ml



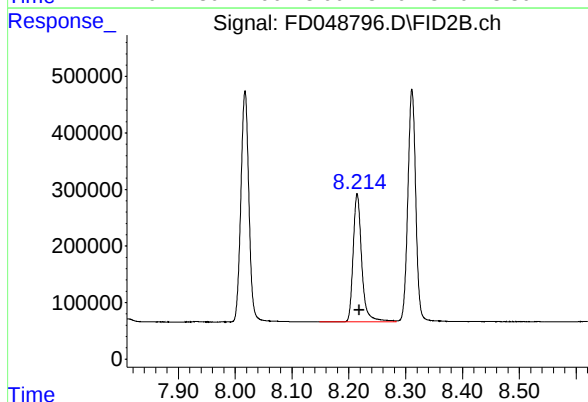
#5 Acenaphthylene (C15.06)

R.T.: 8.017 min
Delta R.T.: 0.000 min
Response: 4016629
Conc: 20.71 ug/ml

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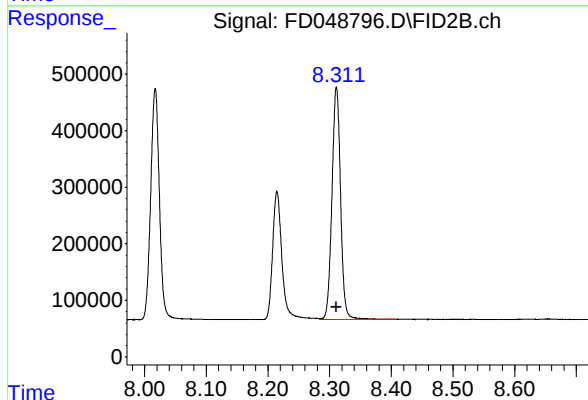
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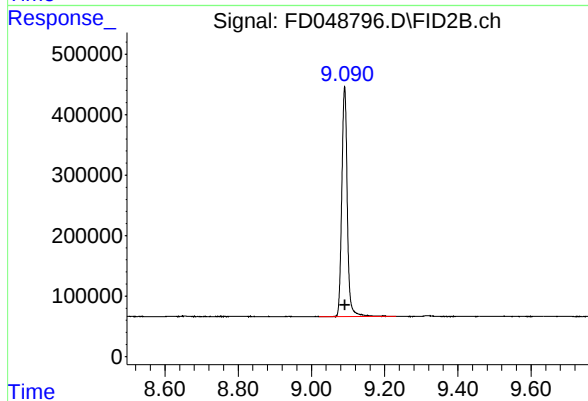
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: -0.004 min
Response: 2366714
Conc: 20.55 ug/ml



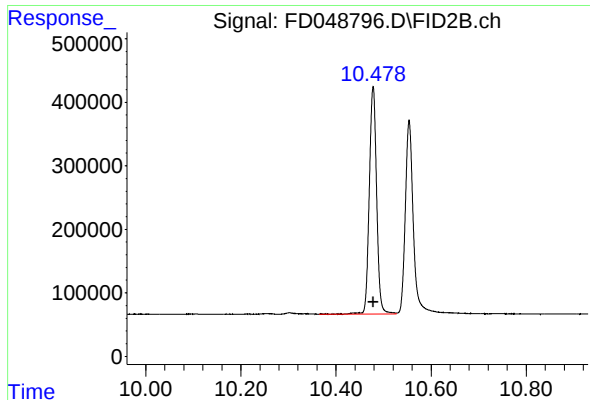
#7 Acenaphthene (C15.5)

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 3979721
Conc: 20.69 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.091 min
Delta R.T.: 0.000 min
Response: 3974405
Conc: 20.72 ug/ml



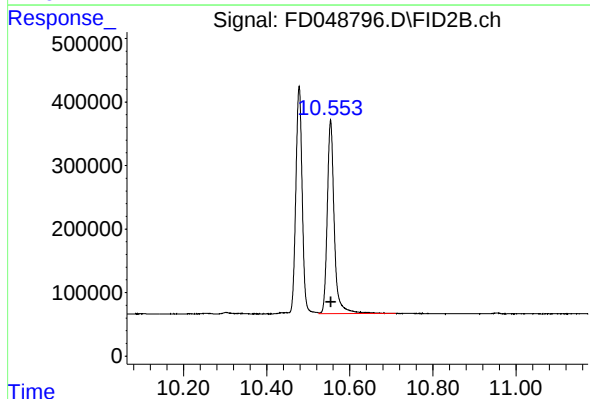
#9 Phenanthrene (C19.36)

R.T.: 10.478 min
Delta R.T.: 0.000 min
Response: 3801775
Conc: 20.74 ug/ml

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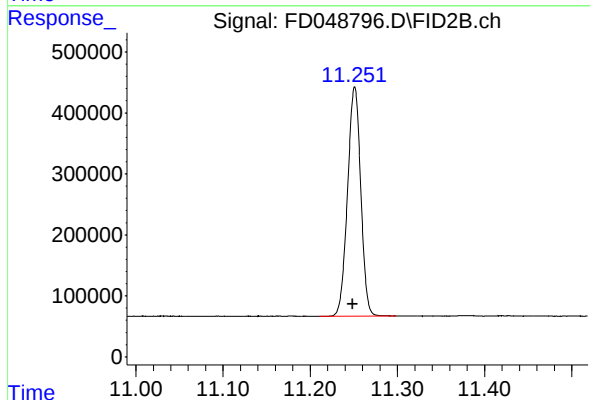
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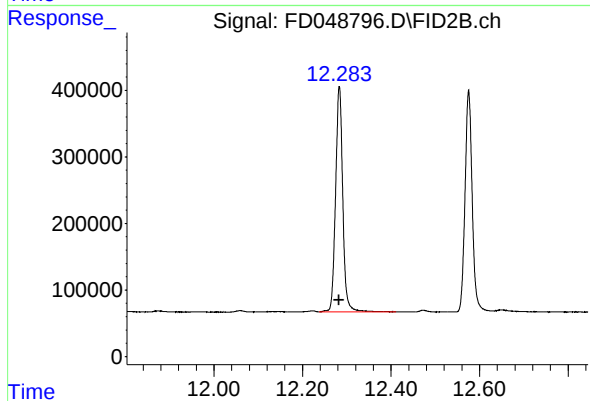
#10 Anthracene (C19.43)

R.T.: 10.554 min
Delta R.T.: 0.000 min
Response: 3563901
Conc: 19.03 ug/ml



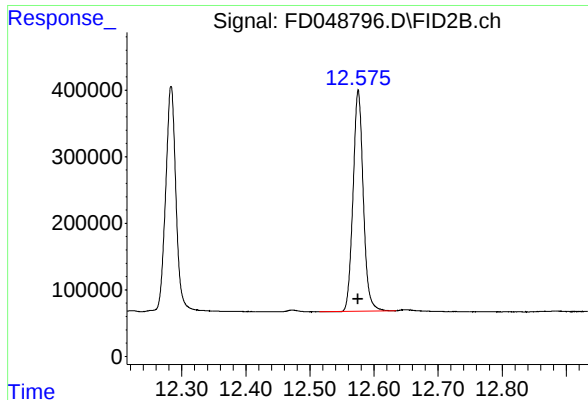
#11 ortho-Terphenyl (SURR)

R.T.: 11.251 min
Delta R.T.: 0.002 min
Response: 3963652
Conc: 20.61 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.283 min
Delta R.T.: 0.000 min
Response: 3804693
Conc: 20.78 ug/ml



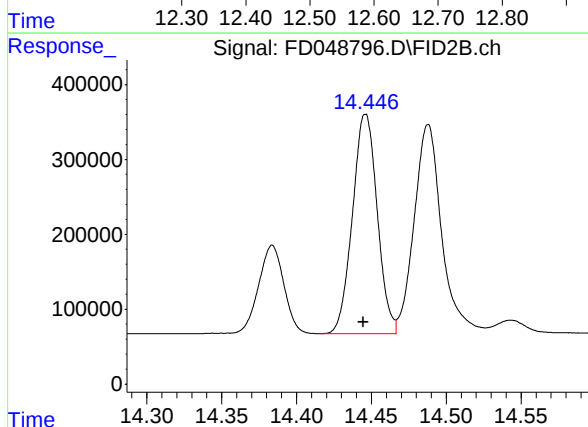
#13 Pyrene (C20.8)

R.T.: 12.575 min
Delta R.T.: 0.000 min
Response: 3691796
Conc: 20.42 ug/ml

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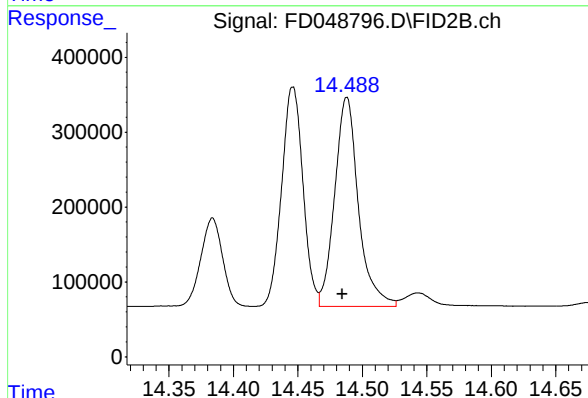
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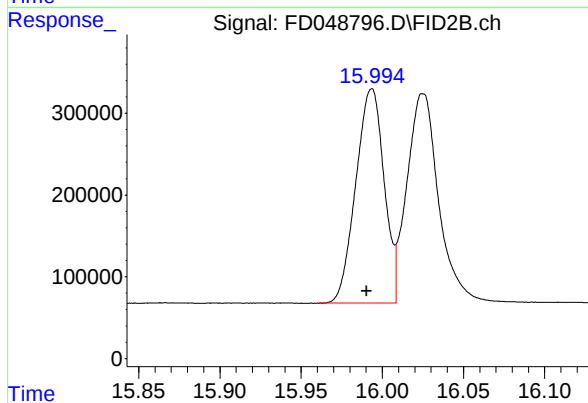
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.446 min
Delta R.T.: 0.002 min
Response: 3372442
Conc: 20.50 ug/ml



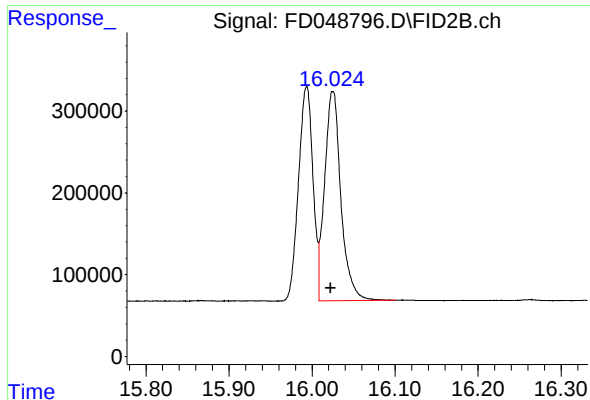
#15 Chrysene (C27.41)

R.T.: 14.488 min
Delta R.T.: 0.003 min
Response: 3575519
Conc: 20.43 ug/ml



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

R.T.: 15.993 min
Delta R.T.: 0.003 min
Response: 3173273
Conc: 20.20 ug/ml



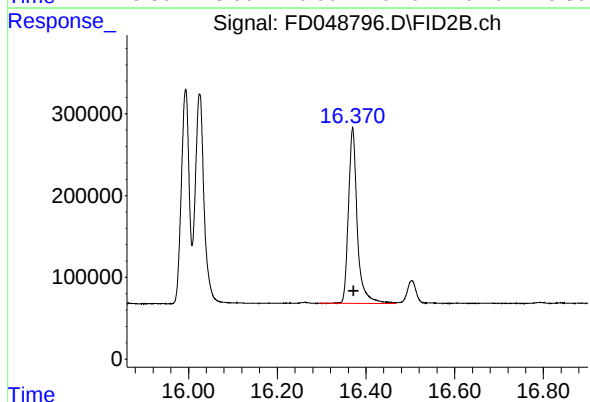
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.025 min
Delta R.T.: 0.002 min
Response: 3493668
Conc: 21.41 ug/ml

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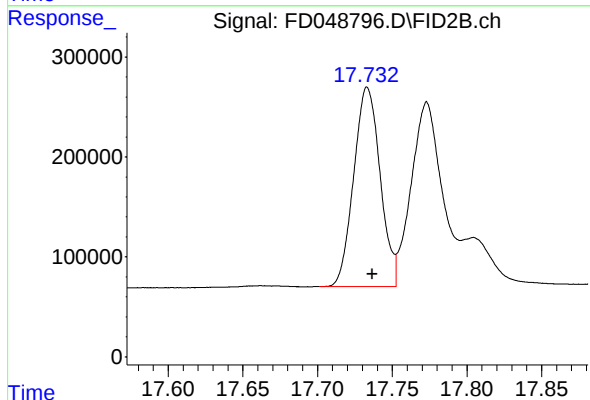
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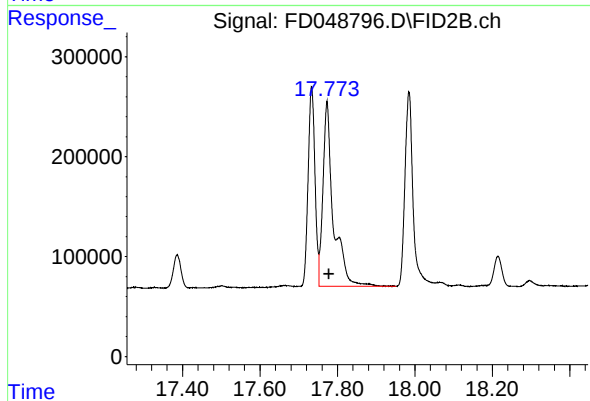
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.370 min
Delta R.T.: -0.002 min
Response: 2976888
Conc: 19.97 ug/ml



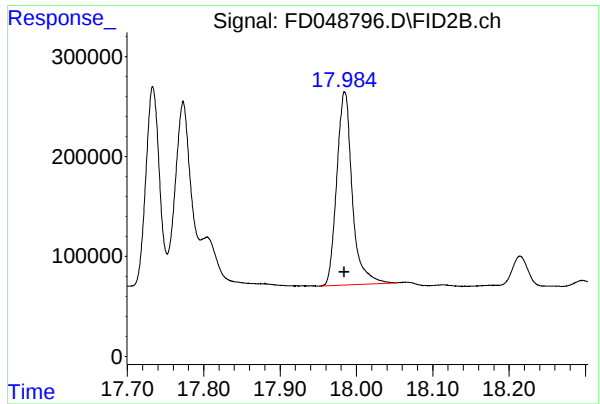
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.733 min
Delta R.T.: -0.003 min
Response: 2453979
Conc: 19.87 ug/ml



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

R.T.: 17.773 min
Delta R.T.: -0.005 min
Response: 3459264
Conc: 22.06 ug/ml



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

R.T.: 17.984 min
Delta R.T.: 0.000 min
Response: 2721456
Conc: 19.07 ug/ml

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