

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072222AR\
 Data File : FD043305.D
 Signal(s) : FID2B.ch
 Acq On : 22 Jul 2022 12:37
 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 07/25/2022
 Supervised By :Ankita Jodhani 07/25/2022

Integration File: autoint1.e
 Quant Time: Jul 22 15:24:53 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 062422.M
 Quant Title : GC Extractables
 QLast Update : Sat Jun 25 04:47:50 2022
 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...	7.619	3662724	23.721 ug/ml
Spiked Amount 50.000		Recovery =	47.44%
6) S 2-Fluorobiphenyl (SURR)	8.481	2344899	22.232 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.46%
11) S ortho-Terphenyl (SURR)	11.526	4341365	23.886 ug/ml
Spiked Amount 50.000		Recovery =	47.77%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.415	4253420	25.325 ug/ml
2) T Naphthalene (C11.7)	5.954	4201114	23.997 ug/ml
3) T 2-Methylnaphthalene (...)	7.008	3800308	23.627 ug/ml
5) T Acenaphthylene (C15.06)	8.284	4057388	22.827 ug/ml
7) T Acenaphthene (C15.5)	8.581	4172360	23.827 ug/ml
8) T Flouorene (C16.55)	9.362	3905948	22.533 ug/ml
9) T Phenanthrene (C19.36)	10.758	3702818	21.589 ug/ml
10) T Anthracene (C19.43)	10.832	2783592	16.384 ug/ml
12) T Fluoranthene (C21.85)	12.570	3702297	22.075 ug/ml
13) T Pyrene (C20.8)	12.867	3620952	22.219 ug/mlm
14) T Benzo[a]anthracene (C...	14.740	2921965	18.815 ug/mlm
15) T Chrysene (C27.41)	14.782	3263338	20.676 ug/ml
16) T benzo[b]fluoranthene ...	16.291	3099995	20.336 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.323	3046465	20.815 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.670	2658593	18.587 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.033	2180956	17.429 ug/mlm
20) T Dibenz[a,h]anthracene...	18.073	2398599	17.842 ug/ml
21) T Benzo[g,h,i]perylene ...	18.288	2768489	21.226 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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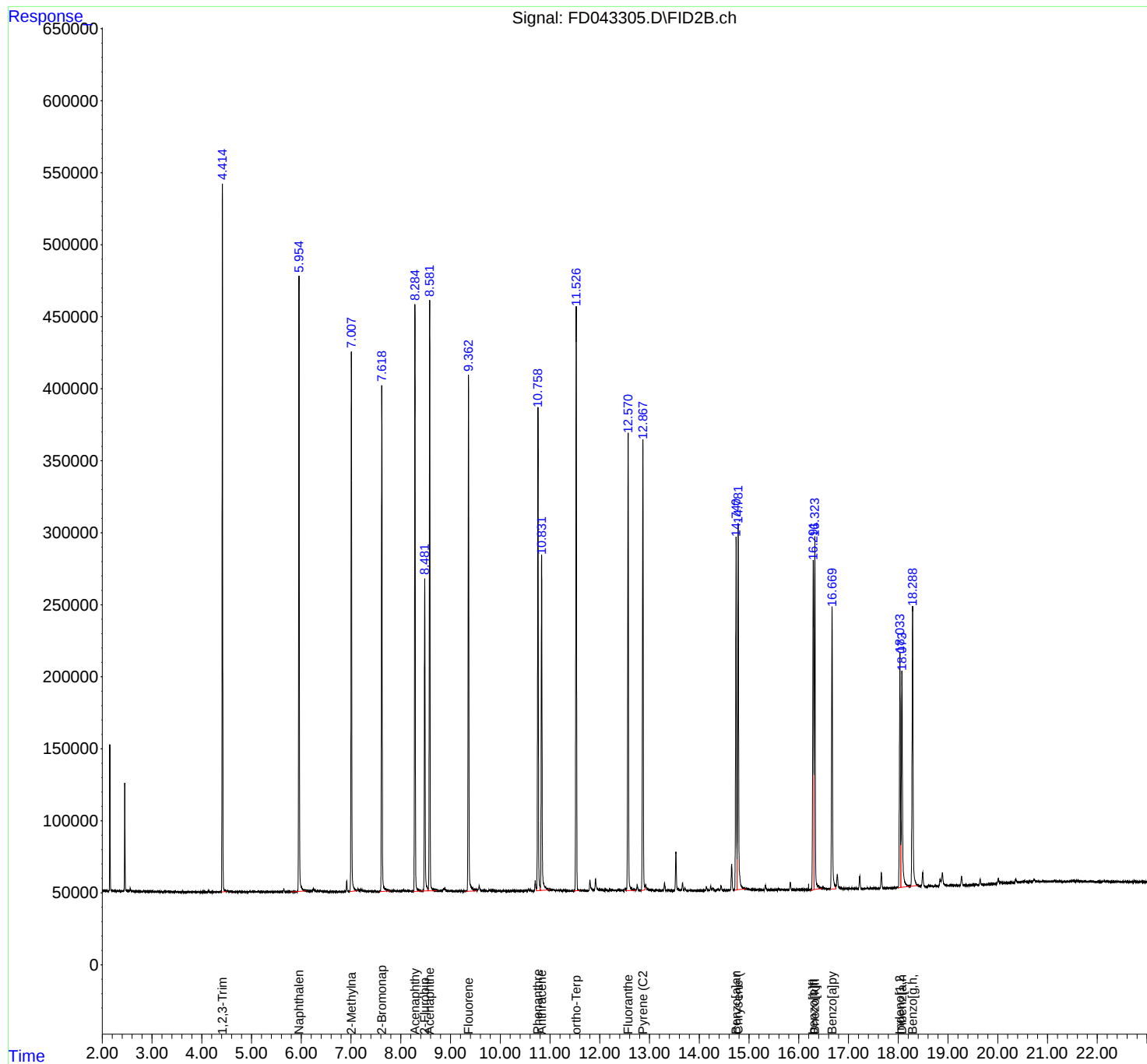
Instrument :
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20 PPM AROMATIC HC STD

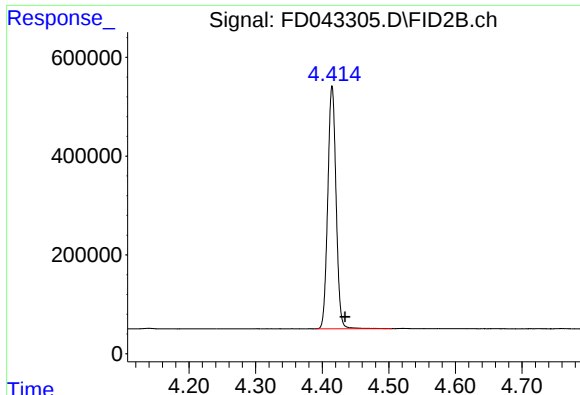
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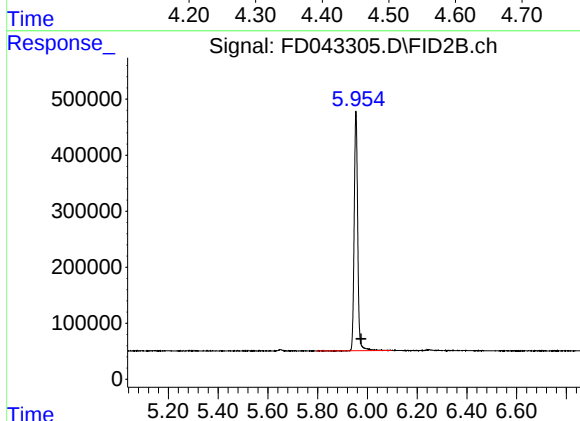
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.415 min
Delta R.T.: -0.019 min
Response: 4253420
Conc: 25.33 ug/ml

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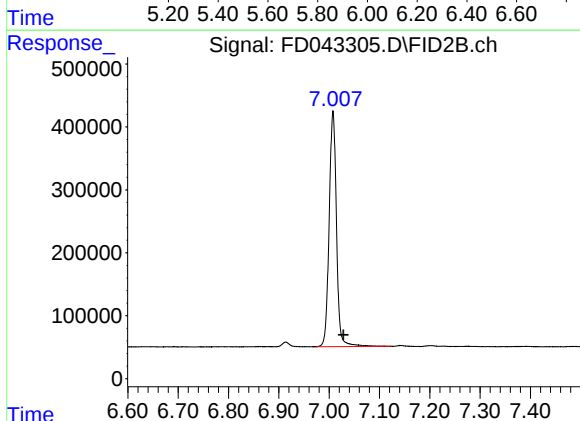
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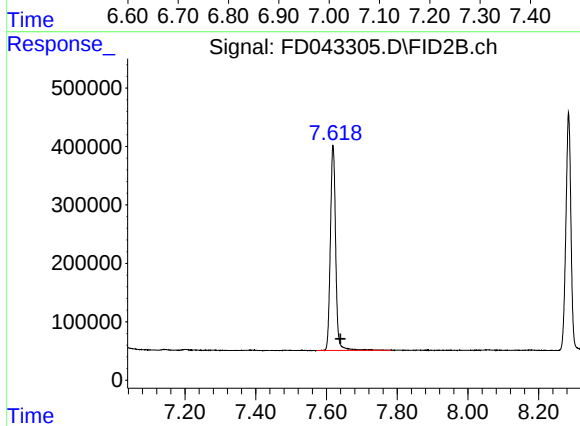
#2 Naphthalene (C11.7)

R.T.: 5.954 min
Delta R.T.: -0.021 min
Response: 4201114
Conc: 24.00 ug/ml



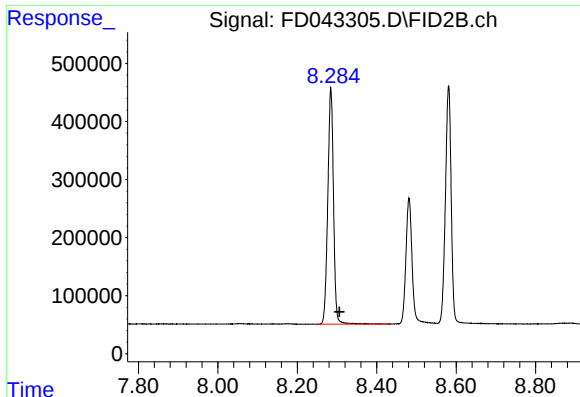
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.008 min
Delta R.T.: -0.020 min
Response: 3800308
Conc: 23.63 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.619 min
Delta R.T.: -0.021 min
Response: 3662724
Conc: 23.72 ug/ml



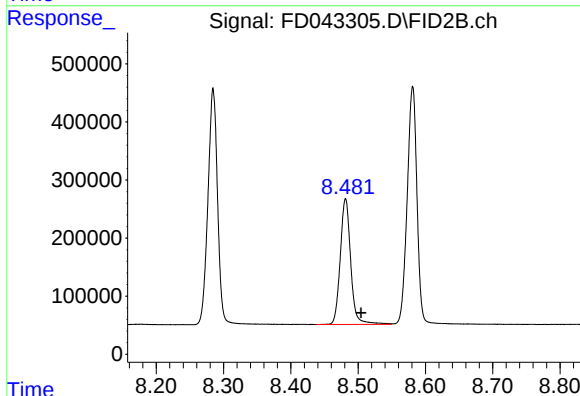
#5 Acenaphthylene (C15.06)

R.T.: 8.284 min
Delta R.T.: -0.021 min
Response: 4057388
Conc: 22.83 ug/ml

Instrument :
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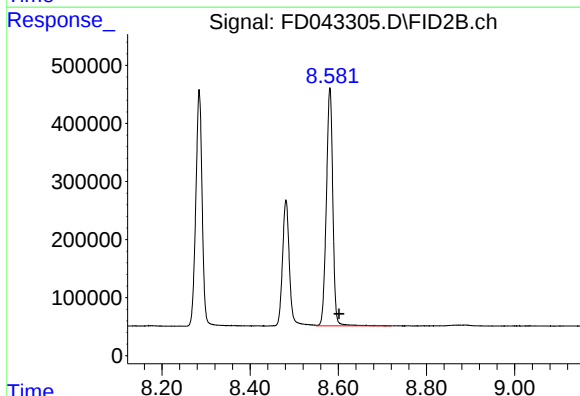
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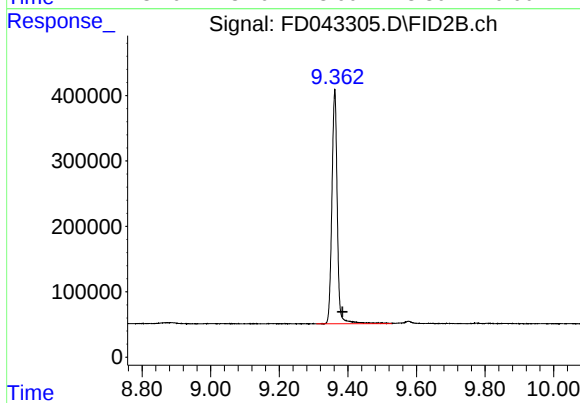
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.481 min
Delta R.T.: -0.023 min
Response: 2344899
Conc: 22.23 ug/ml



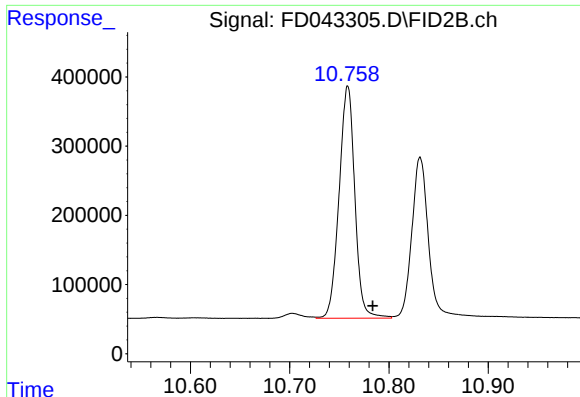
#7 Acenaphthene (C15.5)

R.T.: 8.581 min
Delta R.T.: -0.021 min
Response: 4172360
Conc: 23.83 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.362 min
Delta R.T.: -0.023 min
Response: 3905948
Conc: 22.53 ug/ml



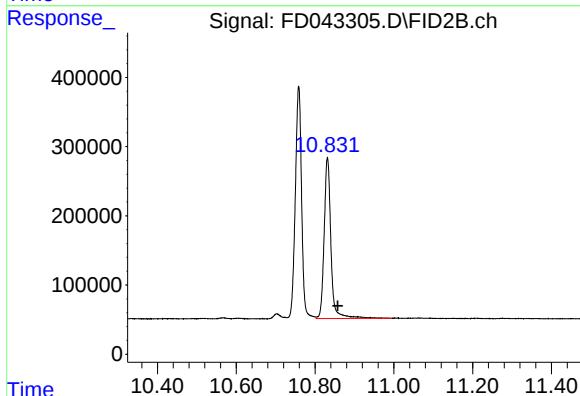
#9 Phenanthrene (C19.36)

R.T.: 10.758 min
Delta R.T.: -0.025 min
Response: 3702818
Conc: 21.59 ug/ml

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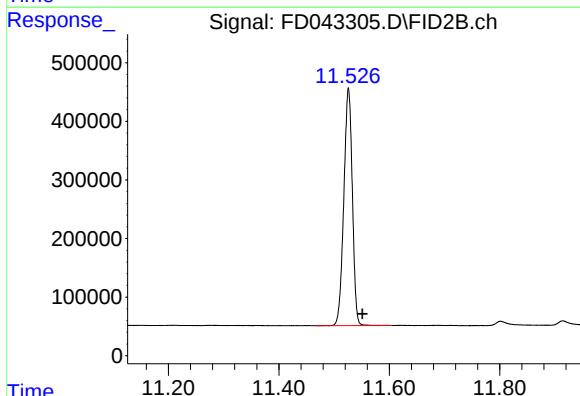
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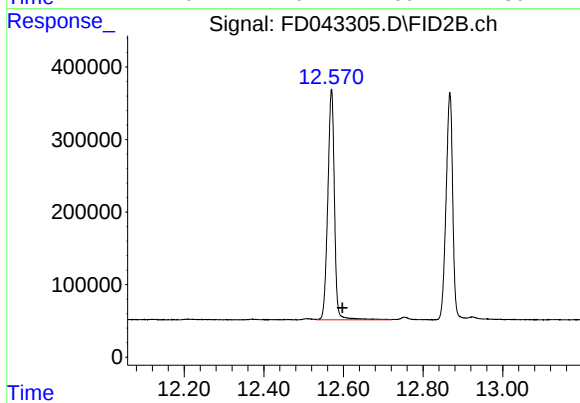
#10 Anthracene (C19.43)

R.T.: 10.832 min
Delta R.T.: -0.027 min
Response: 2783592
Conc: 16.38 ug/ml



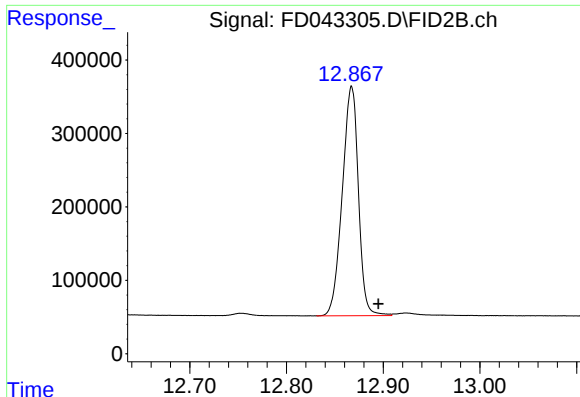
#11 ortho-Terphenyl (SURR)

R.T.: 11.526 min
Delta R.T.: -0.025 min
Response: 4341365
Conc: 23.89 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.570 min
Delta R.T.: -0.028 min
Response: 3702297
Conc: 22.07 ug/ml



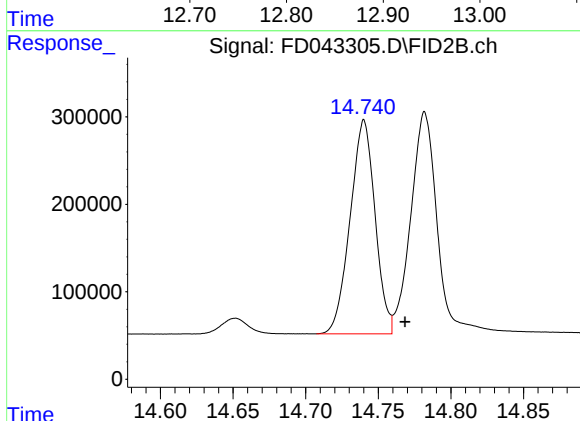
#13 Pyrene (C20.8)

R.T.: 12.867 min
Delta R.T.: -0.028 min
Response: 3620952
Conc: 22.22 ug/ml

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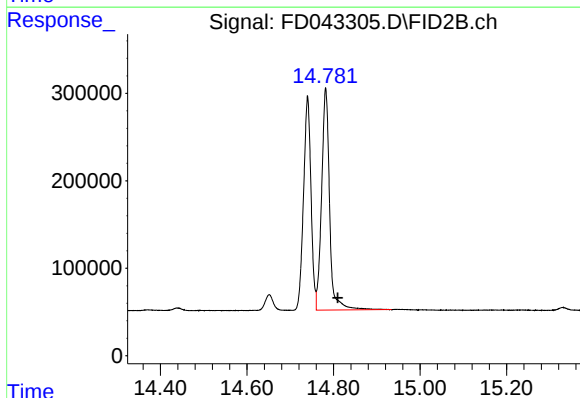
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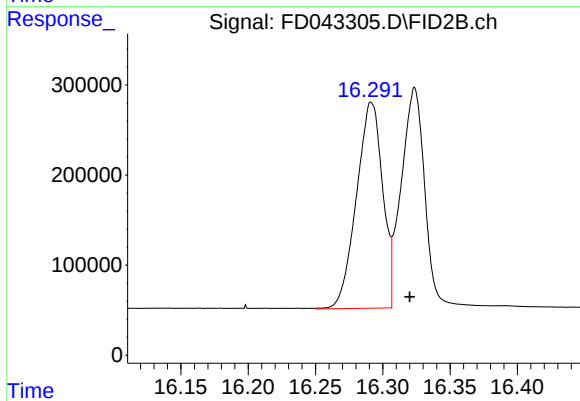
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.740 min
Delta R.T.: -0.029 min
Response: 2921965
Conc: 18.82 ug/ml m



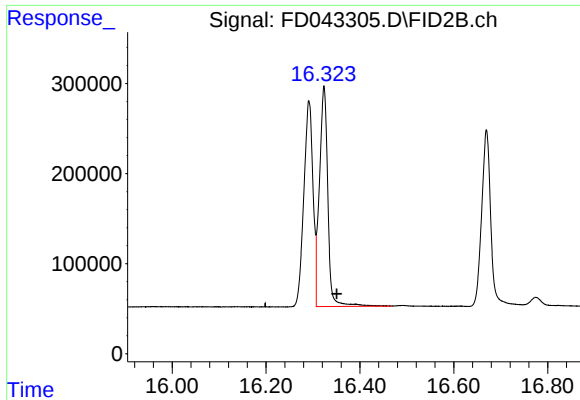
#15 Chrysene (C27.41)

R.T.: 14.782 min
Delta R.T.: -0.028 min
Response: 3263338
Conc: 20.68 ug/ml



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

R.T.: 16.291 min
Delta R.T.: -0.029 min
Response: 3099995
Conc: 20.34 ug/ml m



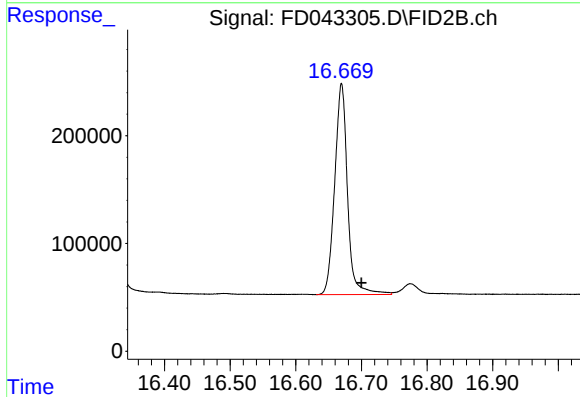
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.323 min
Delta R.T.: -0.027 min
Response: 3046465
Conc: 20.81 ug/ml

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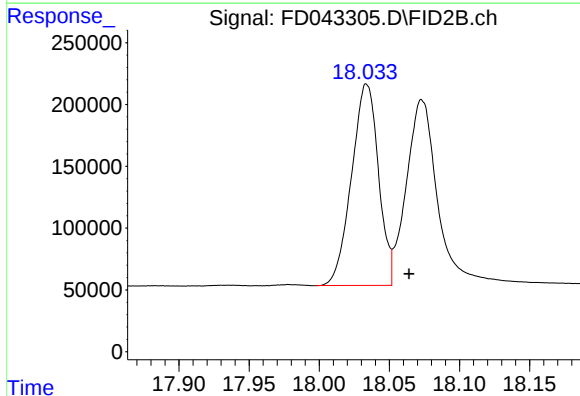
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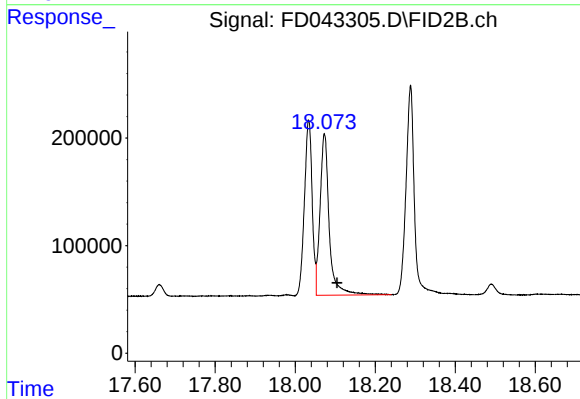
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.670 min
Delta R.T.: -0.030 min
Response: 2658593
Conc: 18.59 ug/ml



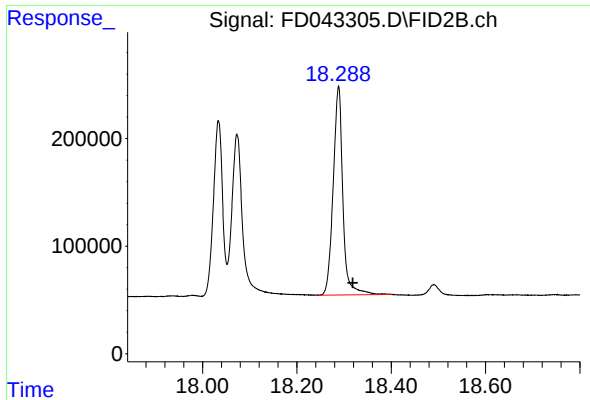
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.033 min
Delta R.T.: -0.031 min
Response: 2180956
Conc: 17.43 ug/ml m



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

R.T.: 18.073 min
Delta R.T.: -0.032 min
Response: 2398599
Conc: 17.84 ug/ml



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

R.T.: 18.288 min
Delta R.T.: -0.030 min
Response: 2768489
Conc: 21.23 ug/ml

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