

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080924AR\
 Data File : FD048212.D
 Signal(s) : FID2B.ch
 Acq On : 10 Aug 2024 06:27
 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 08/12/2024
 Supervised By :Ankita Jodhani 08/12/2024

Integration File: autoint1.e
 Quant Time: Aug 10 07:11:16 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.397	2939920	19.781 ug/ml
Spiked Amount 50.000		Recovery =	39.56%
6) S 2-Fluorobiphenyl (SURR)	8.248	1907621	20.157 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.31%
11) S ortho-Terphenyl (SURR)	11.285	3303206	19.742 ug/ml
Spiked Amount 50.000		Recovery =	39.48%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.218	3368987	20.119 ug/ml
2) T Naphthalene (C11.7)	5.737	3439751	19.904 ug/ml
3) T 2-Methylnaphthalene (...)	6.785	3460347	19.948 ug/ml
5) T Acenaphthylene (C15.06)	8.051	3362154	19.619 ug/ml
7) T Acenaphthene (C15.5)	8.345	3384660	19.511 ug/ml
8) T Flouorene (C16.55)	9.123	3247275	19.993 ug/ml
9) T Phenanthrene (C19.36)	10.512	3180029	20.024 ug/ml
10) T Anthracene (C19.43)	10.587	2989626	18.934 ug/ml
12) T Fluoranthene (C21.85)	12.316	3149943	19.895 ug/ml
13) T Pyrene (C20.8)	12.609	3134850	19.825 ug/ml
14) T Benzo[a]anthracene (C...	14.477	2825235	20.693 ug/mlm
15) T Chrysene (C27.41)	14.519	2966505	18.402 ug/ml
16) T benzo[b]fluoranthene ...	16.024	3007999	20.898 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.055	2958010	19.805 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.399	2935988	20.729 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.761	2523588	22.375 ug/mlm
20) T Dibenz[a,h]anthracene...	17.802	3118321	21.456 ug/ml
21) T Benzo[g,h,i]perylene ...	18.012	3009613	20.422 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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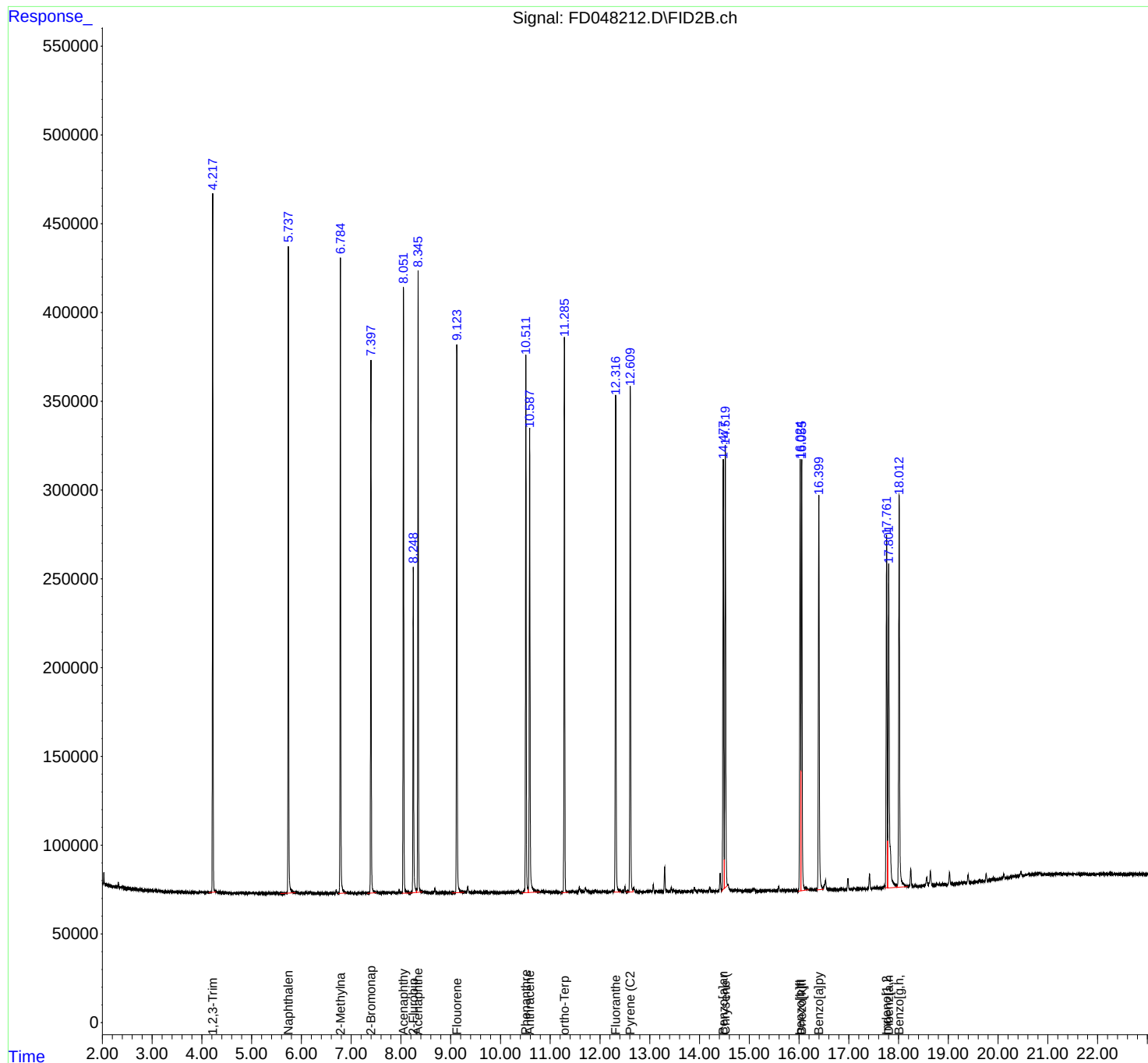
Instrument :
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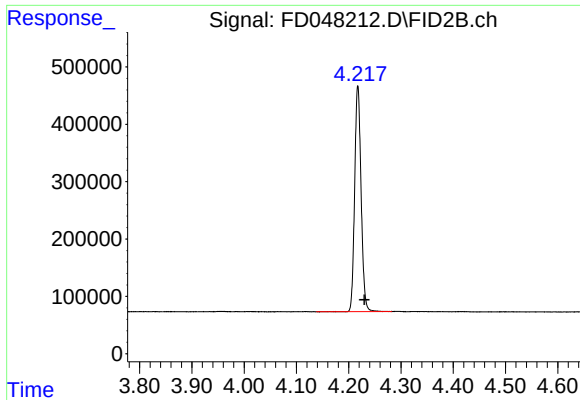
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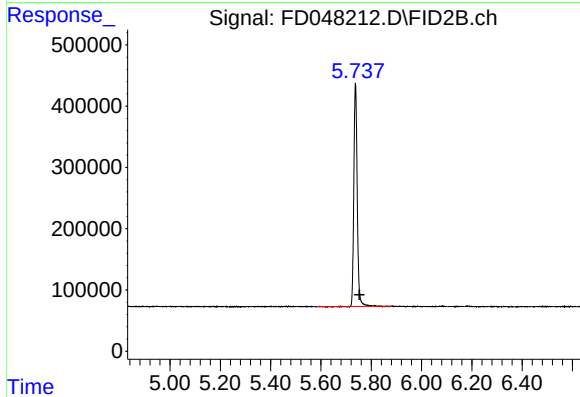
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.218 min
Delta R.T.: -0.012 min
Response: 3368987
Conc: 20.12 ug/ml

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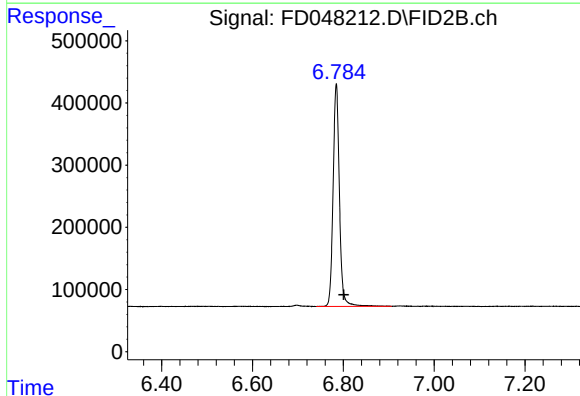
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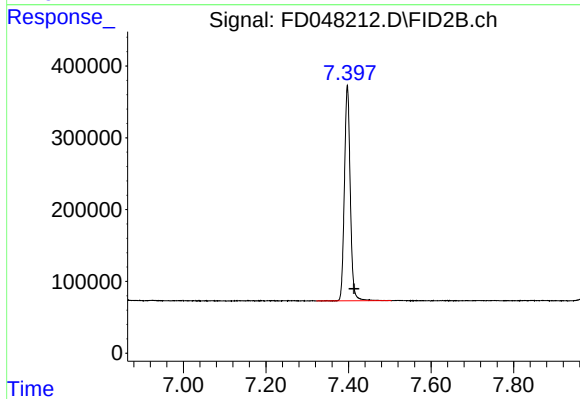
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: -0.016 min
Response: 3439751
Conc: 19.90 ug/ml



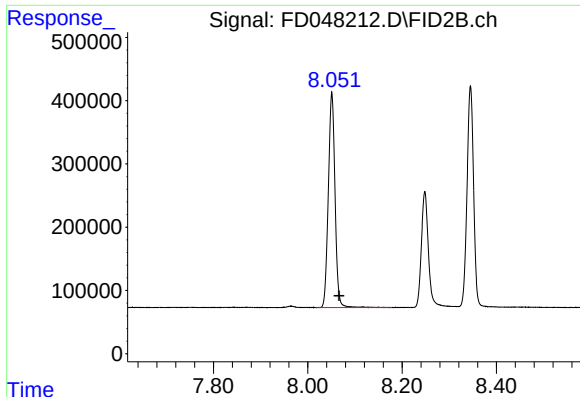
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.785 min
Delta R.T.: -0.016 min
Response: 3460347
Conc: 19.95 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.397 min
Delta R.T.: -0.016 min
Response: 2939920
Conc: 19.78 ug/ml



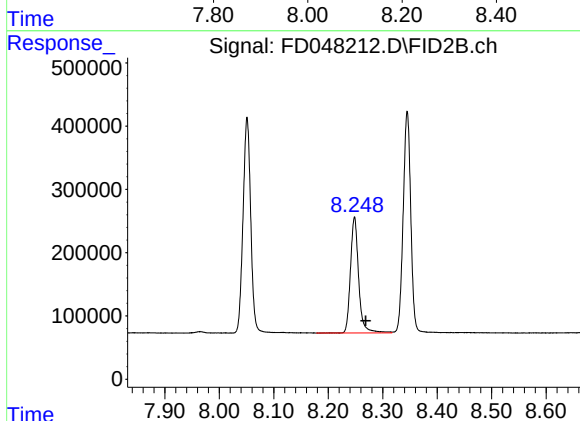
#5 Acenaphthylene (C15.06)

R.T.: 8.051 min
Delta R.T.: -0.015 min
Response: 3362154
Conc: 19.62 ug/ml

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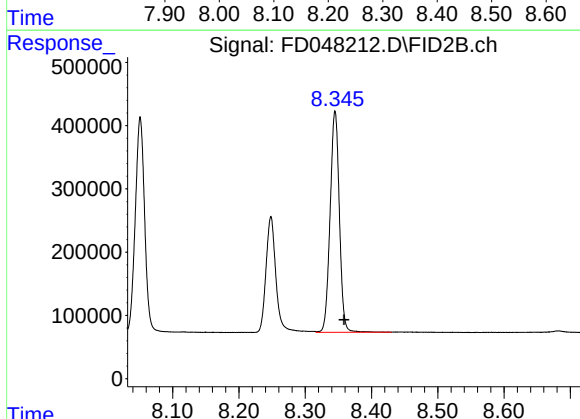
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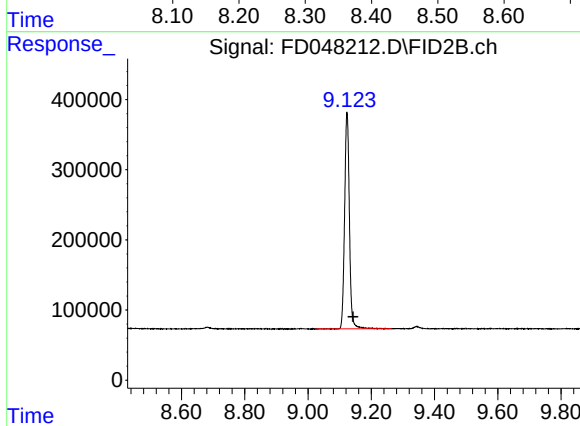
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.248 min
Delta R.T.: -0.021 min
Response: 1907621
Conc: 20.16 ug/ml



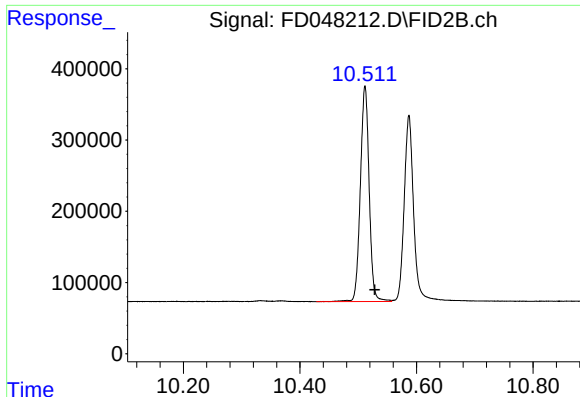
#7 Acenaphthene (C15.5)

R.T.: 8.345 min
Delta R.T.: -0.014 min
Response: 3384660
Conc: 19.51 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.123 min
Delta R.T.: -0.018 min
Response: 3247275
Conc: 19.99 ug/ml



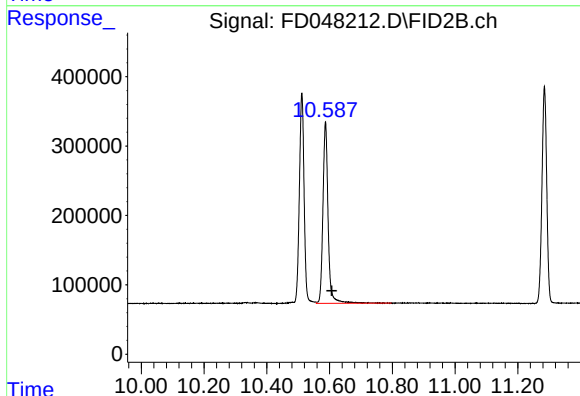
#9 Phenanthrene (C19.36)

R.T.: 10.512 min
Delta R.T.: -0.017 min
Response: 3180029
Conc: 20.02 ug/ml

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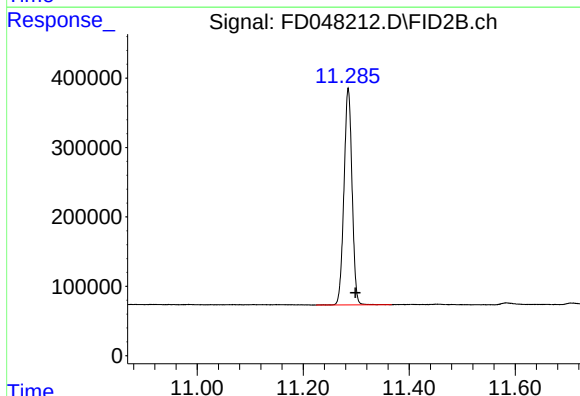
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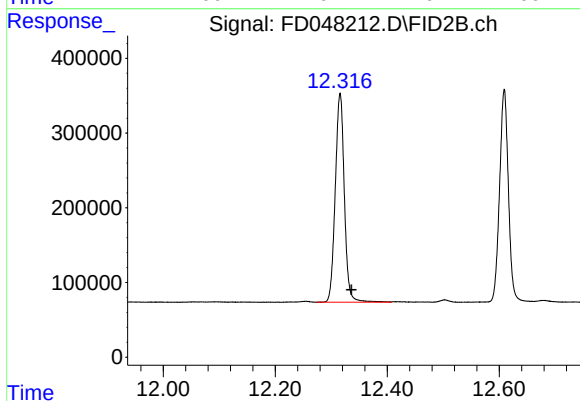
#10 Anthracene (C19.43)

R.T.: 10.587 min
Delta R.T.: -0.020 min
Response: 2989626
Conc: 18.93 ug/ml



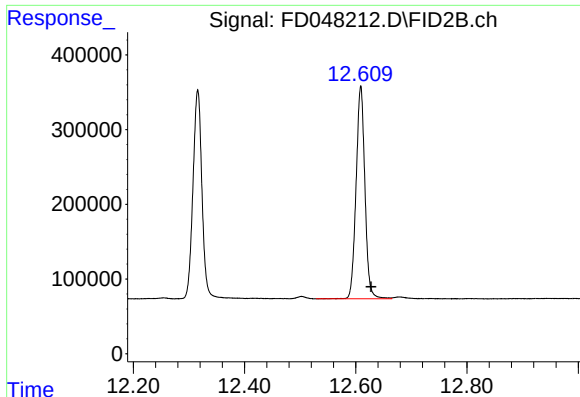
#11 ortho-Terphenyl (SURR)

R.T.: 11.285 min
Delta R.T.: -0.013 min
Response: 3303206
Conc: 19.74 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.316 min
Delta R.T.: -0.020 min
Response: 3149943
Conc: 19.89 ug/ml



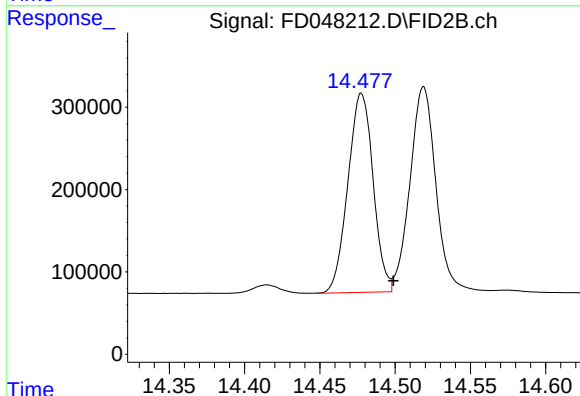
#13 Pyrene (C20.8)

R.T.: 12.609 min
Delta R.T.: -0.019 min
Response: 3134850
Conc: 19.82 ug/ml

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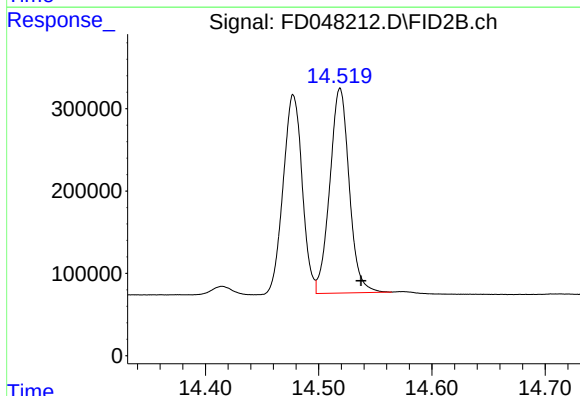
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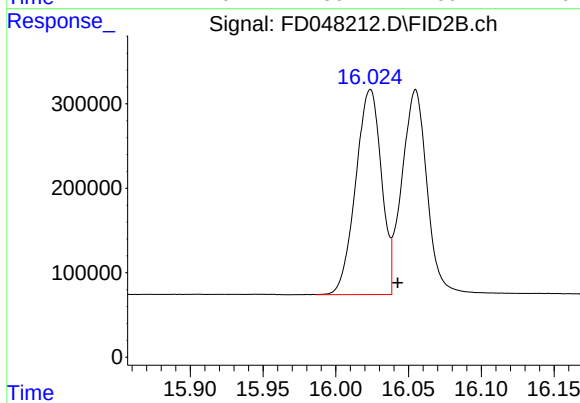
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.477 min
Delta R.T.: -0.022 min
Response: 2825235
Conc: 20.69 ug/ml m



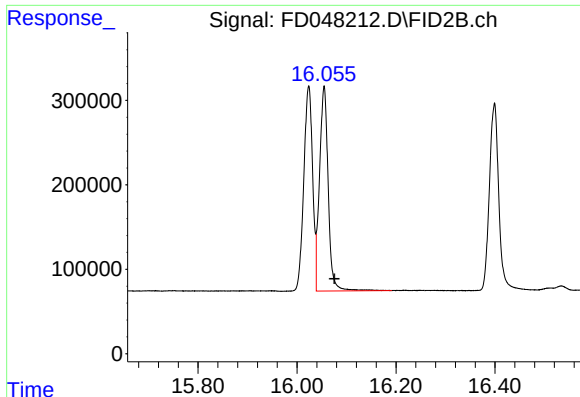
#15 Chrysene (C27.41)

R.T.: 14.519 min
Delta R.T.: -0.019 min
Response: 2966505
Conc: 18.40 ug/ml



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

R.T.: 16.024 min
Delta R.T.: -0.019 min
Response: 3007999
Conc: 20.90 ug/ml m



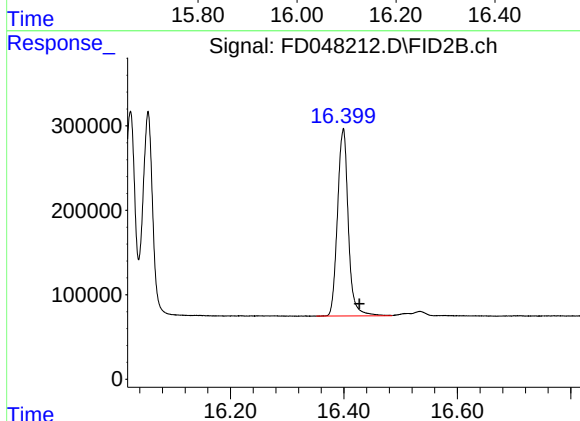
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.055 min
Delta R.T.: -0.021 min
Response: 2958010
Conc: 19.80 ug/ml

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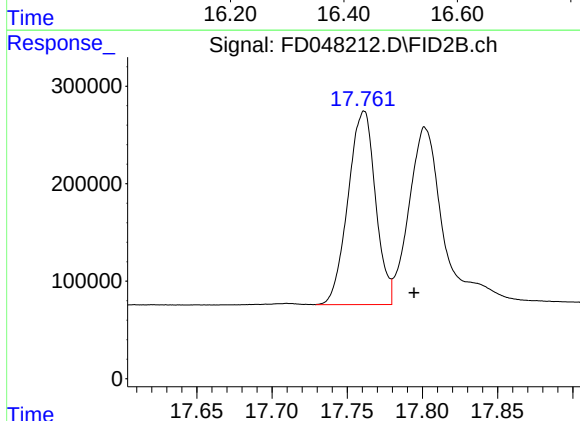
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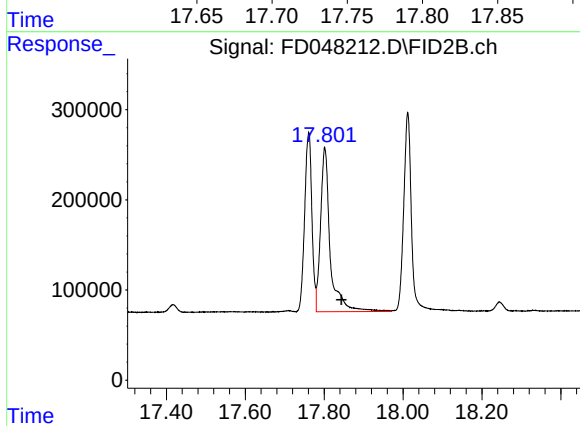
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.399 min
Delta R.T.: -0.029 min
Response: 2935988
Conc: 20.73 ug/ml



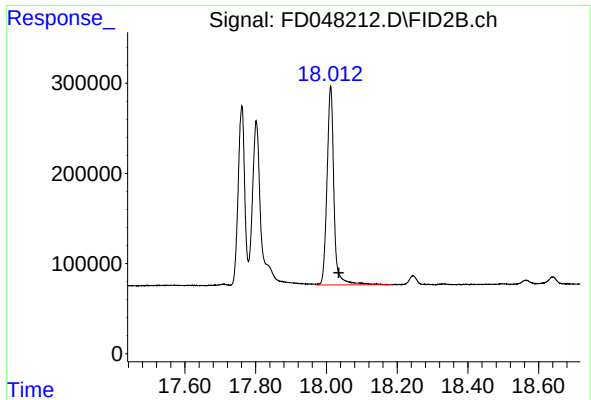
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: -0.034 min
Response: 2523588
Conc: 22.38 ug/ml m



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

R.T.: 17.802 min
Delta R.T.: -0.042 min
Response: 3118321
Conc: 21.46 ug/ml



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

R.T.: 18.012 min
Delta R.T.: -0.023 min
Response: 3009613
Conc: 20.42 ug/ml

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