

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081224AR\
 Data File : FD048218.D
 Signal(s) : FID2B.ch
 Acq On : 12 Aug 2024 10:41
 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 08/14/2024
 Supervised By :Ankita Jodhani 08/14/2024

Integration File: autoint1.e
 Quant Time: Aug 13 04:22:16 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	3180208	21.398 ug/ml
Spiked Amount 50.000		Recovery =	42.80%
6) S 2-Fluorobiphenyl (SURR)	8.248	2079144	21.969 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.94%
11) S ortho-Terphenyl (SURR)	11.284	3619600	21.633 ug/ml
Spiked Amount 50.000		Recovery =	43.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.217	3651170	21.804 ug/ml
2) T Naphthalene (C11.7)	5.737	3743871	21.664 ug/ml
3) T 2-Methylnaphthalene (...)	6.784	3747546	21.603 ug/ml
5) T Acenaphthylene (C15.06)	8.051	3649130	21.294 ug/ml
7) T Acenaphthene (C15.5)	8.345	3697051	21.312 ug/ml
8) T Fluorene (C16.55)	9.124	3542023	21.808 ug/ml
9) T Phenanthrene (C19.36)	10.511	3447627	21.709 ug/ml
10) T Anthracene (C19.43)	10.586	3166009	20.051 ug/ml
12) T Fluoranthene (C21.85)	12.316	3409823	21.536 ug/ml
13) T Pyrene (C20.8)	12.609	3398440	21.492 ug/ml
14) T Benzo[a]anthracene (C...	14.476	3044481	22.299 ug/mlm
15) T Chrysene (C27.41)	14.519	3179520	19.724 ug/ml
16) T benzo[b]fluoranthene ...	16.024	3235948	22.482 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.055	3161466	21.167 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.399	3148454	22.229 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.761	2709936	24.027 ug/mlm
20) T Dibenz[a,h]anthracene...	17.802	3266354	22.475 ug/ml
21) T Benzo[g,h,i]perylene ...	18.012	3222099	21.864 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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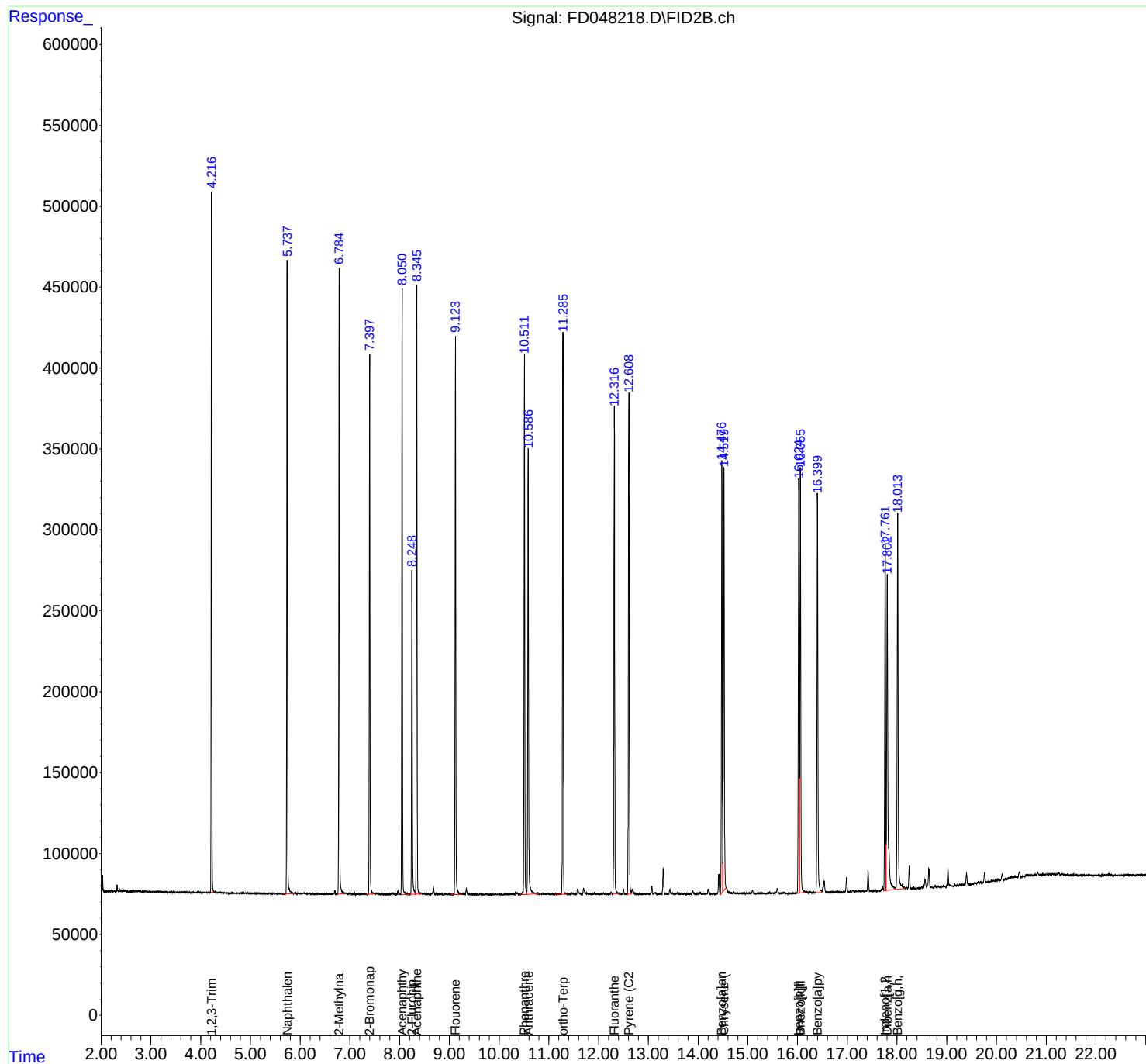
Instrument :
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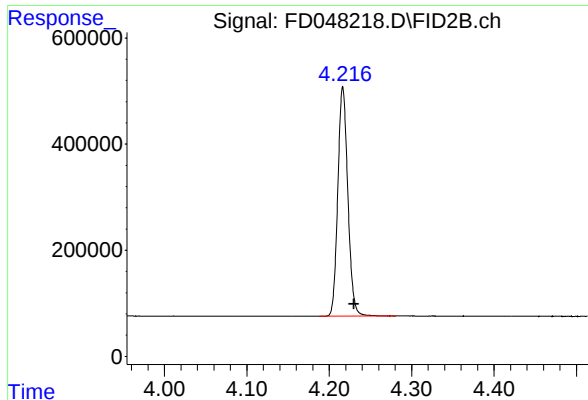
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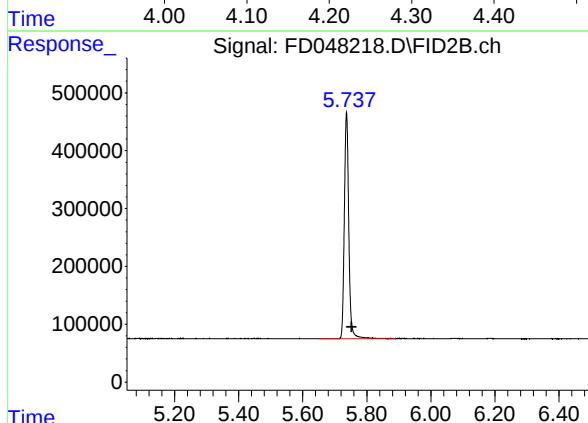
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.217 min
Delta R.T.: -0.013 min
Response: 3651170
Conc: 21.80 ug/ml

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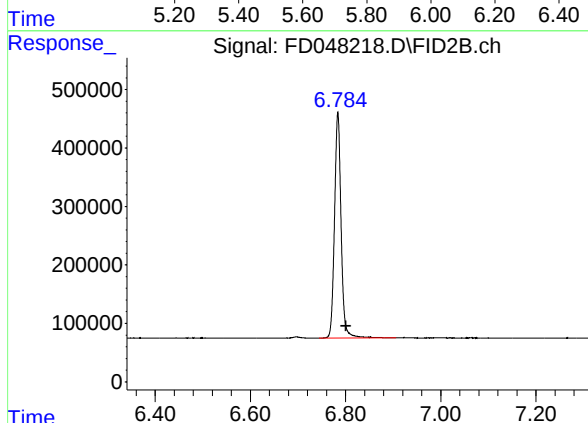
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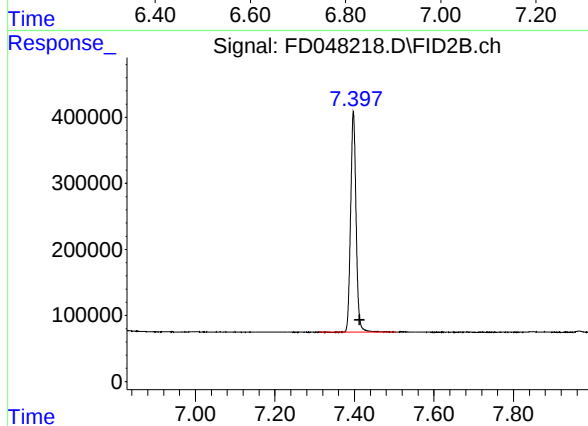
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: -0.016 min
Response: 3743871
Conc: 21.66 ug/ml



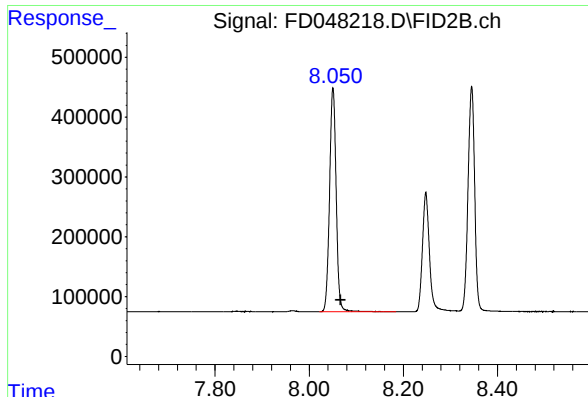
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.784 min
Delta R.T.: -0.017 min
Response: 3747546
Conc: 21.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.397 min
Delta R.T.: -0.016 min
Response: 3180208
Conc: 21.40 ug/ml



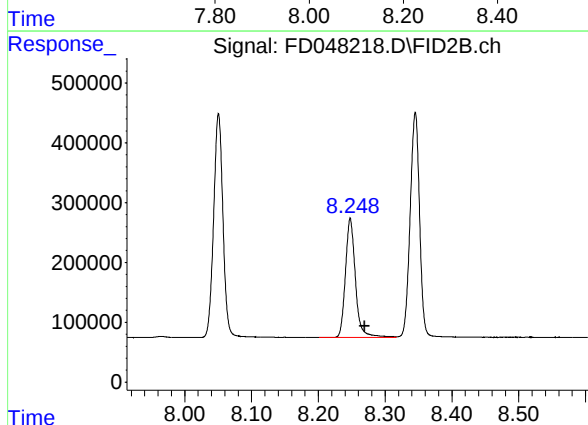
#5 Acenaphthylene (C15.06)

R.T.: 8.051 min
Delta R.T.: -0.016 min
Response: 3649130
Conc: 21.29 ug/ml

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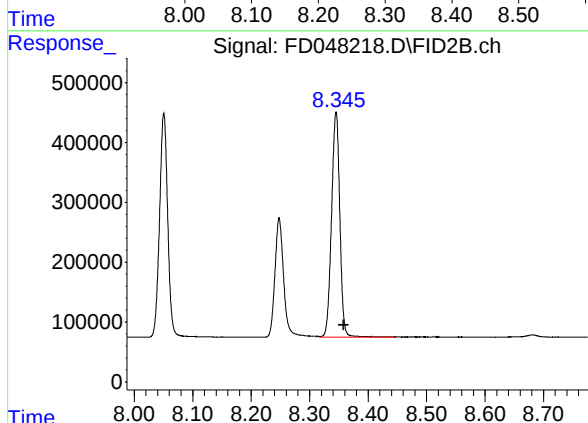
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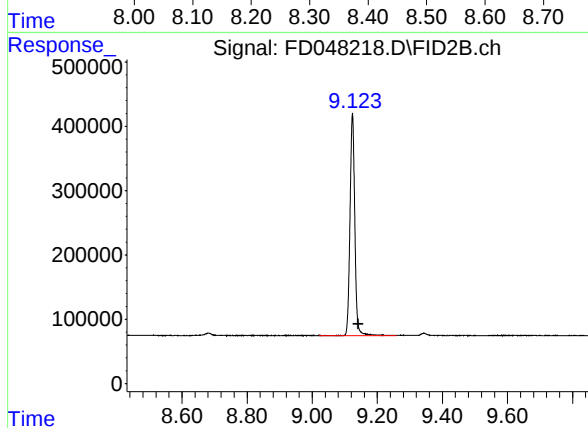
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.248 min
Delta R.T.: -0.021 min
Response: 2079144
Conc: 21.97 ug/ml



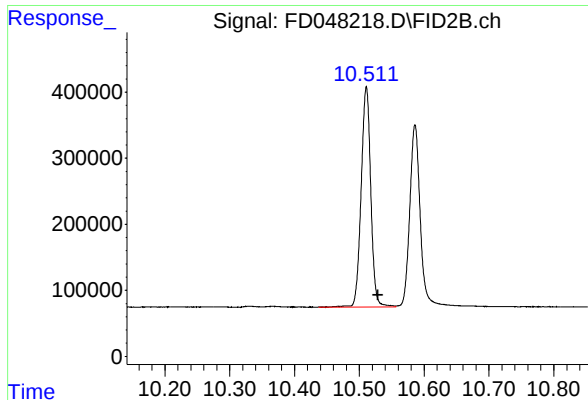
#7 Acenaphthene (C15.5)

R.T.: 8.345 min
Delta R.T.: -0.014 min
Response: 3697051
Conc: 21.31 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.124 min
Delta R.T.: -0.018 min
Response: 3542023
Conc: 21.81 ug/ml



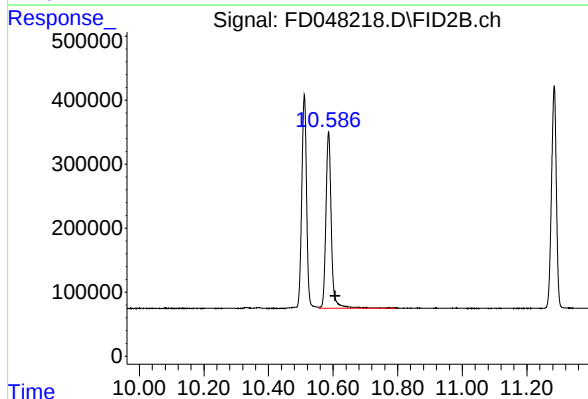
#9 Phenanthrene (C19.36)

R.T.: 10.511 min
Delta R.T.: -0.018 min
Response: 3447627
Conc: 21.71 ug/ml

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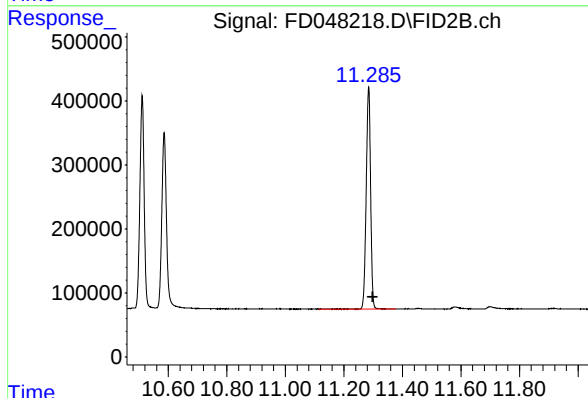
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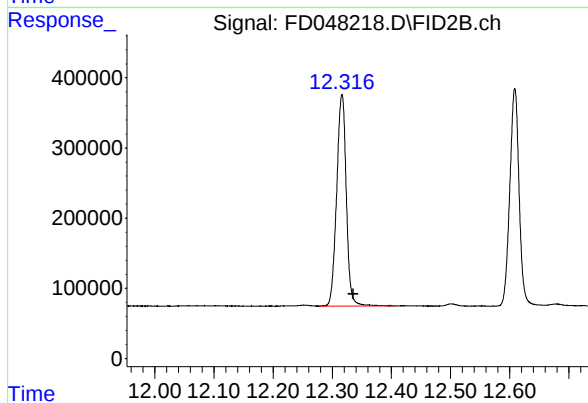
#10 Anthracene (C19.43)

R.T.: 10.586 min
Delta R.T.: -0.021 min
Response: 3166009
Conc: 20.05 ug/ml



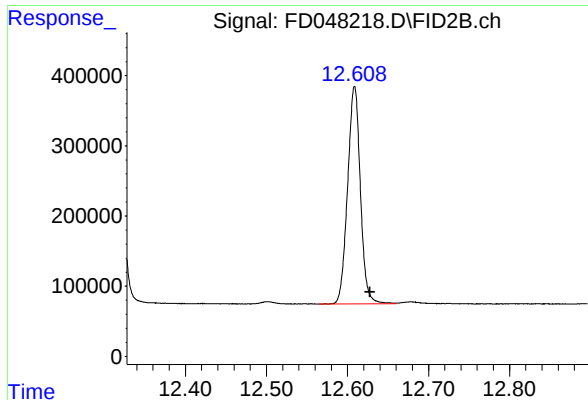
#11 ortho-Terphenyl (SURR)

R.T.: 11.284 min
Delta R.T.: -0.014 min
Response: 3619600
Conc: 21.63 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.316 min
Delta R.T.: -0.020 min
Response: 3409823
Conc: 21.54 ug/ml



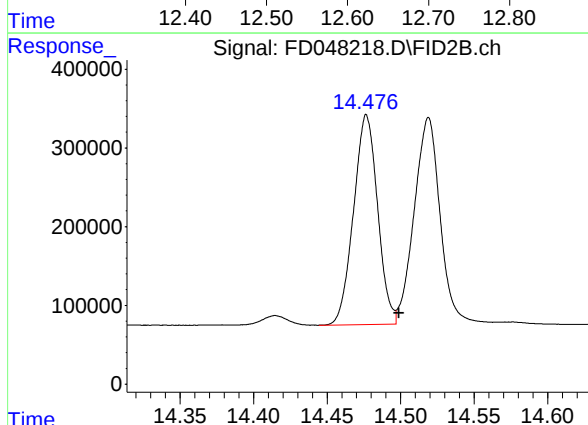
#13 Pyrene (C20.8)

R.T.: 12.609 min
Delta R.T.: -0.019 min
Response: 3398440
Conc: 21.49 ug/ml

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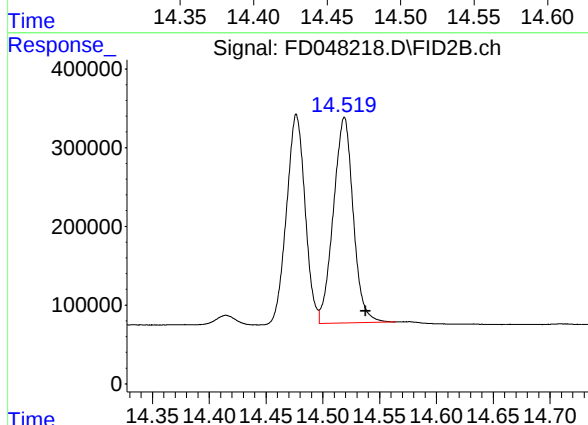
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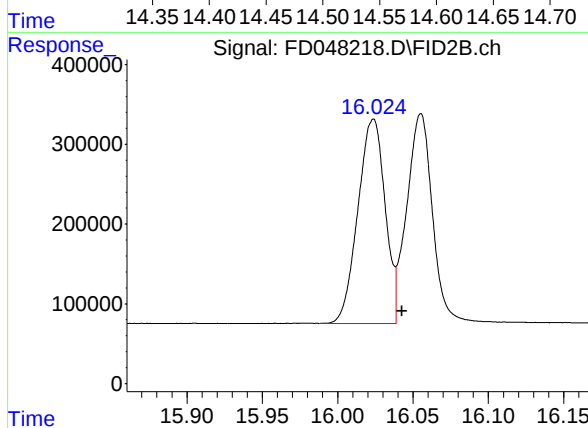
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.476 min
Delta R.T.: -0.023 min
Response: 3044481
Conc: 22.30 ug/ml m



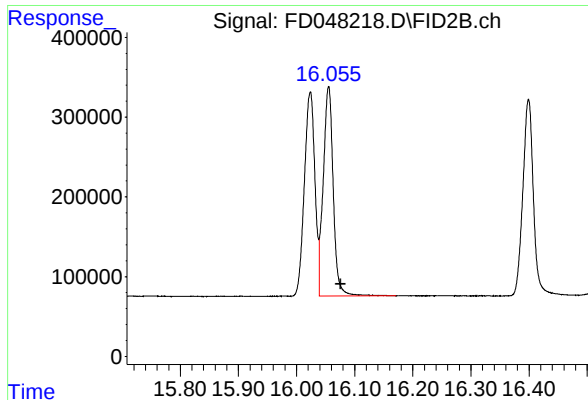
#15 Chrysene (C27.41)

R.T.: 14.519 min
Delta R.T.: -0.019 min
Response: 3179520
Conc: 19.72 ug/ml



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

R.T.: 16.024 min
Delta R.T.: -0.019 min
Response: 3235948
Conc: 22.48 ug/ml m



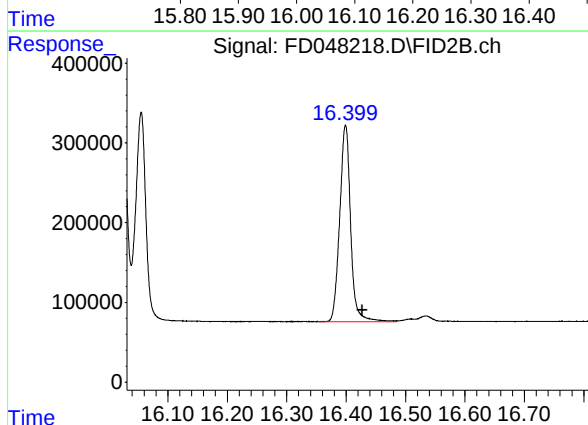
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.055 min
Delta R.T.: -0.021 min
Response: 3161466
Conc: 21.17 ug/ml

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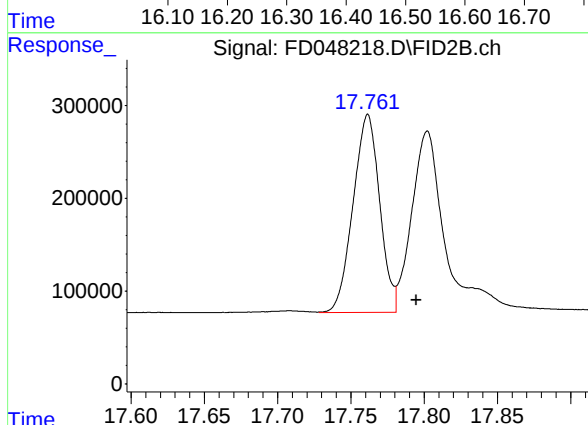
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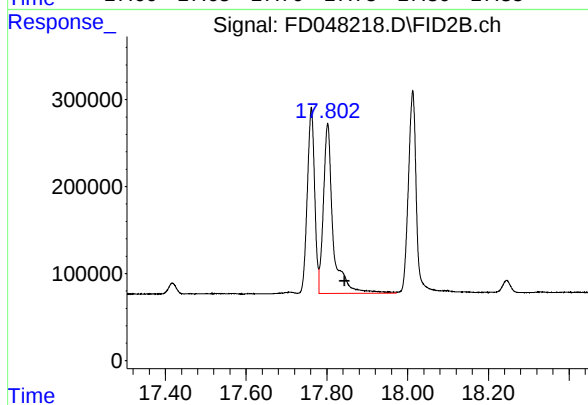
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.399 min
Delta R.T.: -0.028 min
Response: 3148454
Conc: 22.23 ug/ml



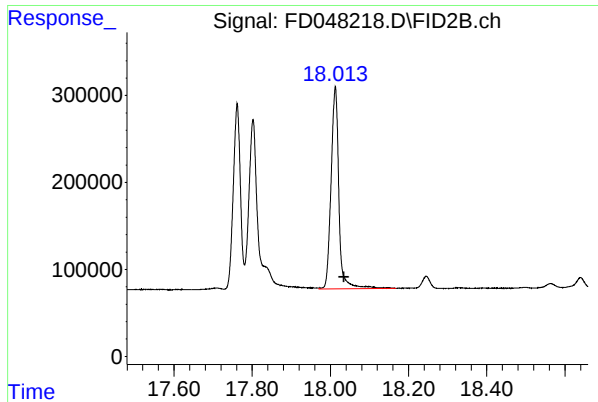
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: -0.033 min
Response: 2709936
Conc: 24.03 ug/ml m



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

R.T.: 17.802 min
Delta R.T.: -0.042 min
Response: 3266354
Conc: 22.47 ug/ml



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

R.T.: 18.012 min
Delta R.T.: -0.022 min
Response: 3222099
Conc: 21.86 ug/ml

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