

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081224AR\
 Data File : FD048215.D
 Signal(s) : FID2B.ch
 Acq On : 12 Aug 2024 08:46
 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 04:21:51 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	3179346	21.392 ug/ml
Spiked Amount 50.000		Recovery =	42.78%
6) S 2-Fluorobiphenyl (SURR)	8.248	2059153	21.758 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.52%
11) S ortho-Terphenyl (SURR)	11.284	3618246	21.625 ug/ml
Spiked Amount 50.000		Recovery =	43.25%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.217	3641252	21.745 ug/ml
2) T Naphthalene (C11.7)	5.737	3768967	21.809 ug/ml
3) T 2-Methylnaphthalene (...)	6.785	3736223	21.538 ug/ml
5) T Acenaphthylene (C15.06)	8.051	3647805	21.286 ug/ml
7) T Acenaphthene (C15.5)	8.345	3682821	21.230 ug/ml
8) T Fluorene (C16.55)	9.124	3518892	21.665 ug/ml
9) T Phenanthrene (C19.36)	10.512	3434512	21.626 ug/ml
10) T Anthracene (C19.43)	10.586	3138934	19.879 ug/ml
12) T Fluoranthene (C21.85)	12.315	3445774	21.763 ug/ml
13) T Pyrene (C20.8)	12.609	3411525	21.574 ug/ml
14) T Benzo[a]anthracene (C...	14.477	2997230	21.953 ug/mlm
15) T Chrysene (C27.41)	14.518	3147692	19.526 ug/ml
16) T benzo[b]fluoranthene ...	16.023	3282495	22.805 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.055	3160895	21.163 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.399	3115538	21.997 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.761	2676336	23.729 ug/mlm
20) T Dibenz[a,h]anthracene...	17.802	3135723	21.576 ug/ml
21) T Benzo[g,h,i]perylene ...	18.012	3227016	21.897 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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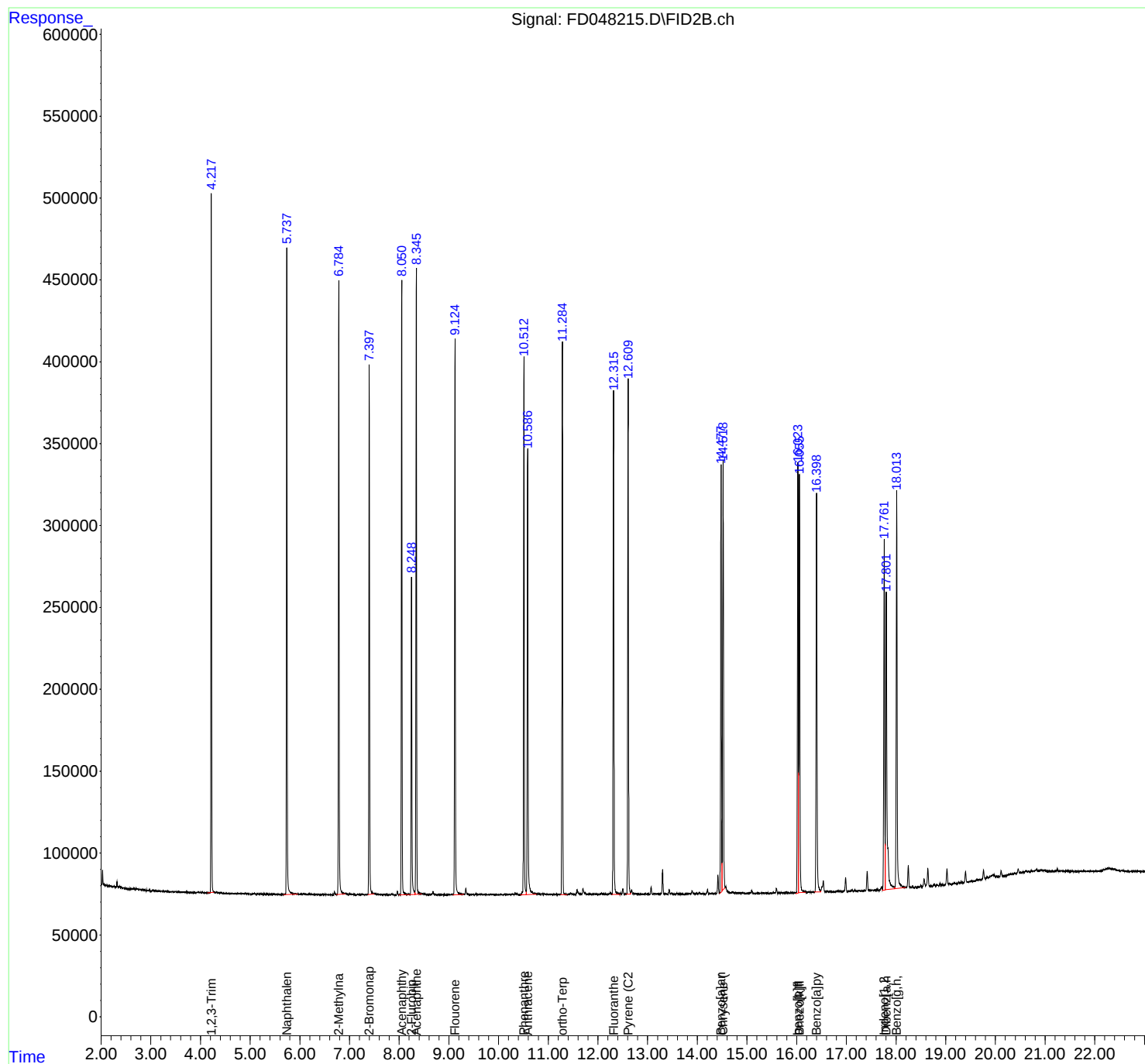
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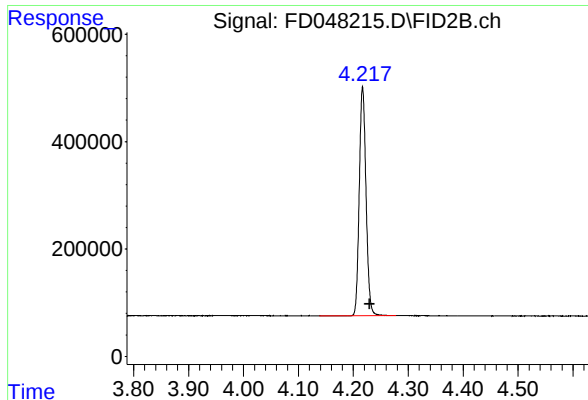
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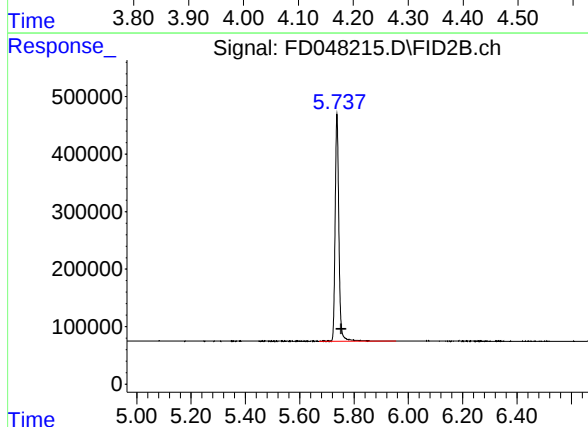
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.217 min
Delta R.T.: -0.013 min
Response: 3641252
Conc: 21.74 ug/ml

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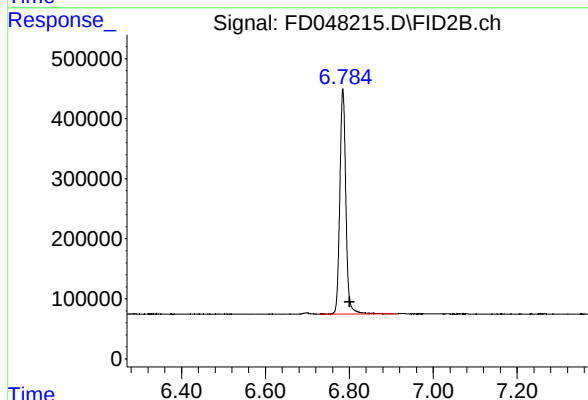
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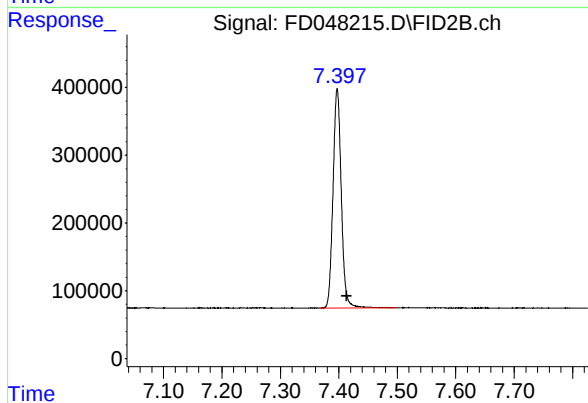
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: -0.016 min
Response: 3768967
Conc: 21.81 ug/ml



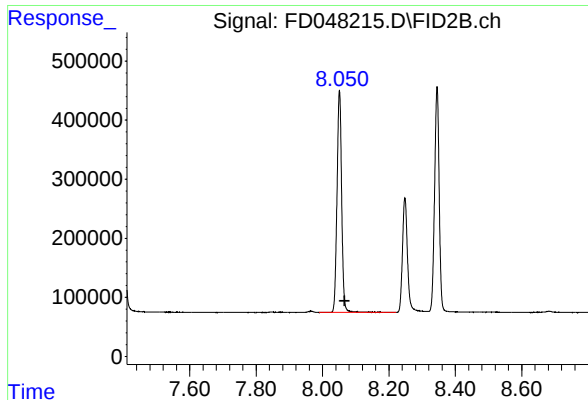
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.785 min
Delta R.T.: -0.016 min
Response: 3736223
Conc: 21.54 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.397 min
Delta R.T.: -0.016 min
Response: 3179346
Conc: 21.39 ug/ml



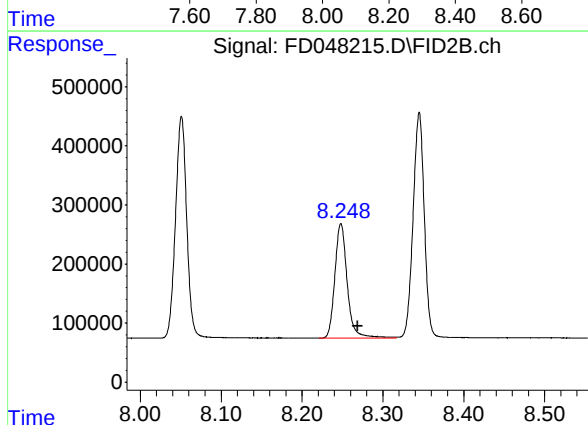
#5 Acenaphthylene (C15.06)

R.T.: 8.051 min
Delta R.T.: -0.015 min
Response: 3647805
Conc: 21.29 ug/ml

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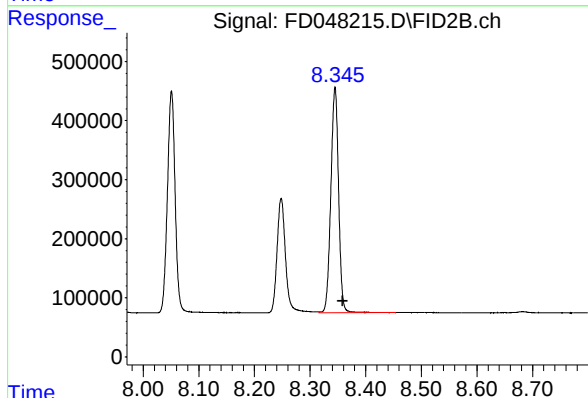
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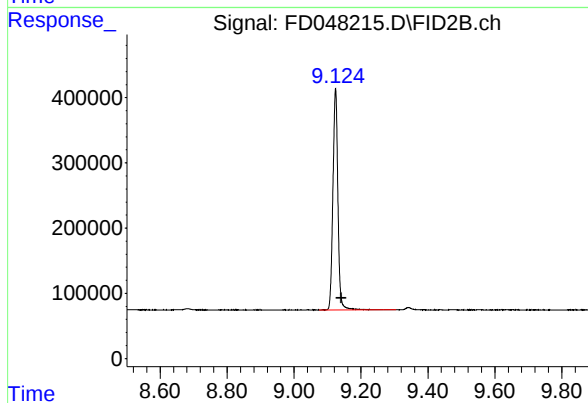
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.248 min
Delta R.T.: -0.021 min
Response: 2059153
Conc: 21.76 ug/ml



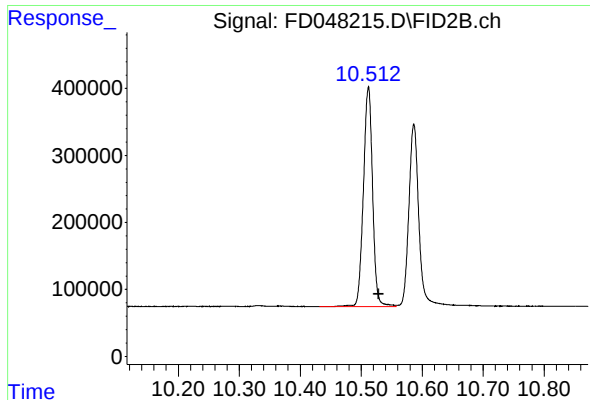
#7 Acenaphthene (C15.5)

R.T.: 8.345 min
Delta R.T.: -0.014 min
Response: 3682821
Conc: 21.23 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.124 min
Delta R.T.: -0.018 min
Response: 3518892
Conc: 21.67 ug/ml



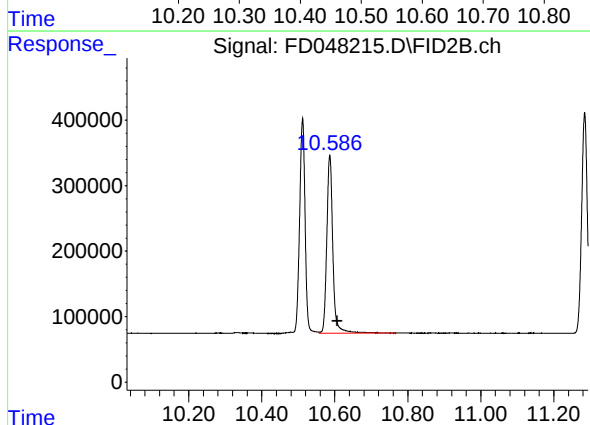
#9 Phenanthrene (C19.36)

R.T.: 10.512 min
Delta R.T.: -0.017 min
Response: 3434512
Conc: 21.63 ug/ml

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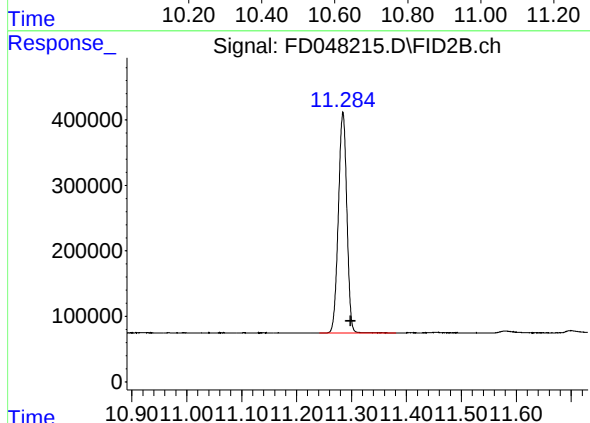
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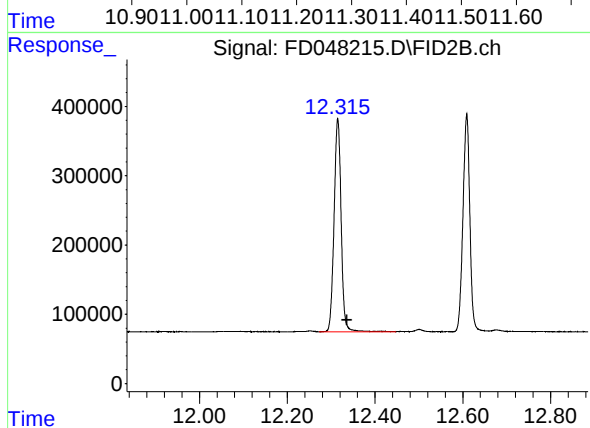
#10 Anthracene (C19.43)

R.T.: 10.586 min
Delta R.T.: -0.021 min
Response: 3138934
Conc: 19.88 ug/ml



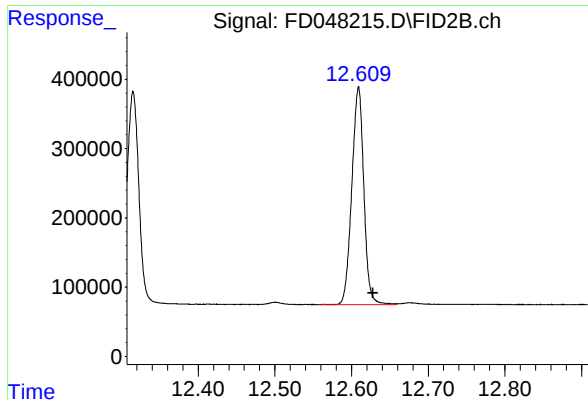
#11 ortho-Terphenyl (SURR)

R.T.: 11.284 min
Delta R.T.: -0.014 min
Response: 3618246
Conc: 21.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.315 min
Delta R.T.: -0.021 min
Response: 3445774
Conc: 21.76 ug/ml



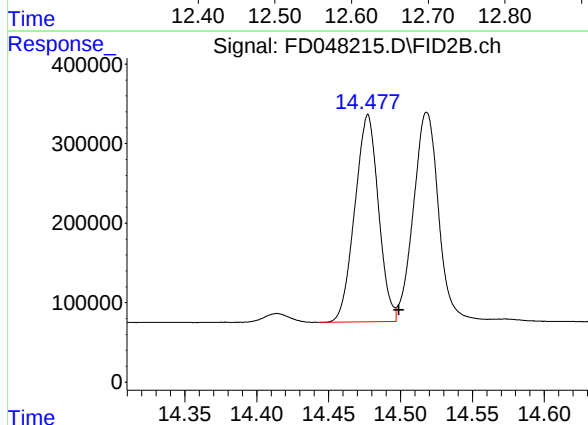
#13 Pyrene (C20.8)

R.T.: 12.609 min
Delta R.T.: -0.019 min
Response: 3411525
Conc: 21.57 ug/ml

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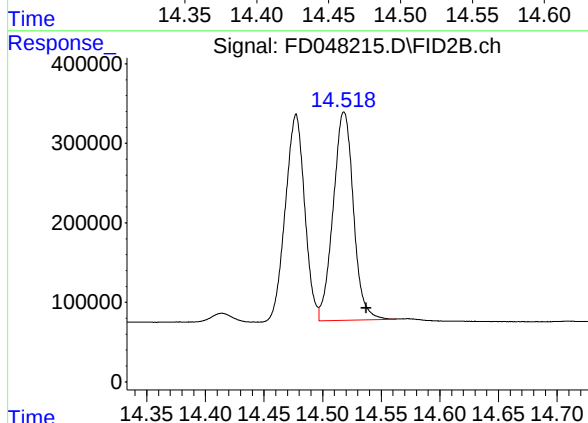
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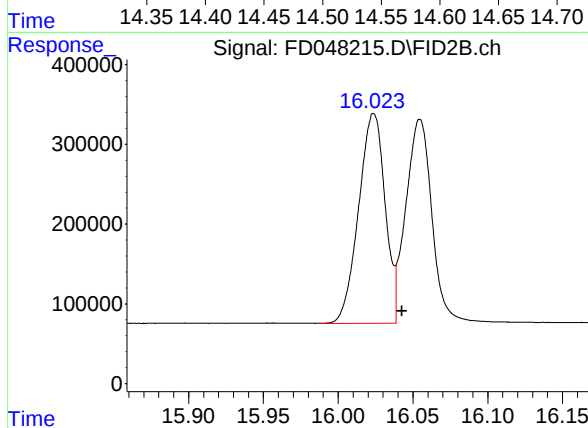
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.477 min
Delta R.T.: -0.022 min
Response: 2997230
Conc: 21.95 ug/ml m



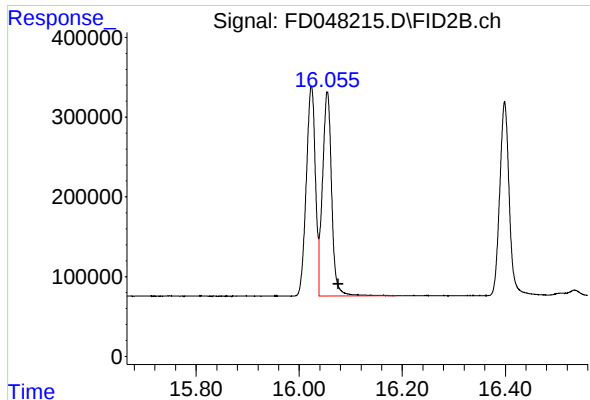
#15 Chrysene (C27.41)

R.T.: 14.518 min
Delta R.T.: -0.019 min
Response: 3147692
Conc: 19.53 ug/ml



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

R.T.: 16.023 min
Delta R.T.: -0.020 min
Response: 3282495
Conc: 22.81 ug/ml m



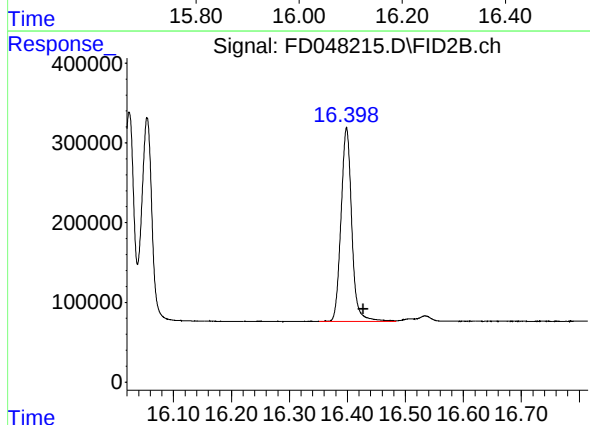
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.055 min
Delta R.T.: -0.021 min
Response: 3160895
Conc: 21.16 ug/ml

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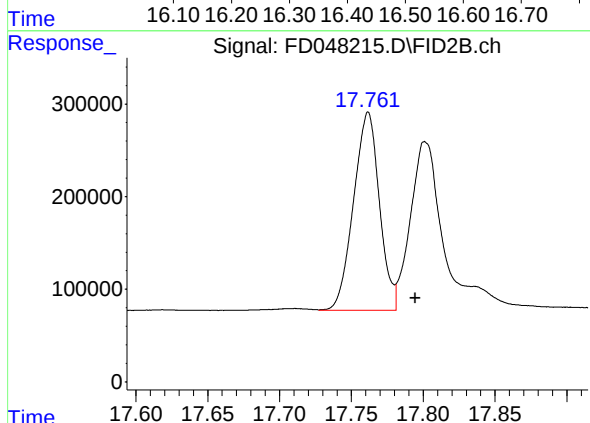
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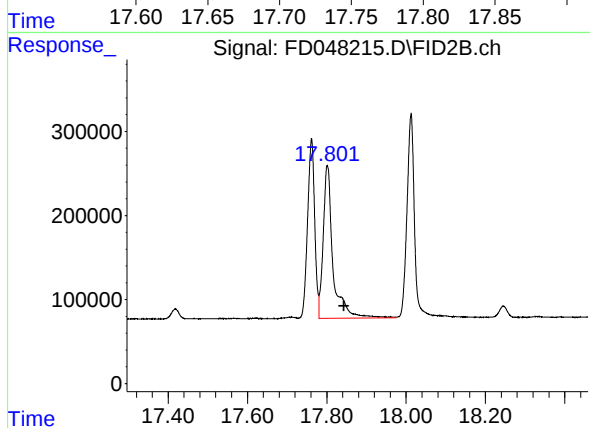
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.399 min
Delta R.T.: -0.029 min
Response: 3115538
Conc: 22.00 ug/ml



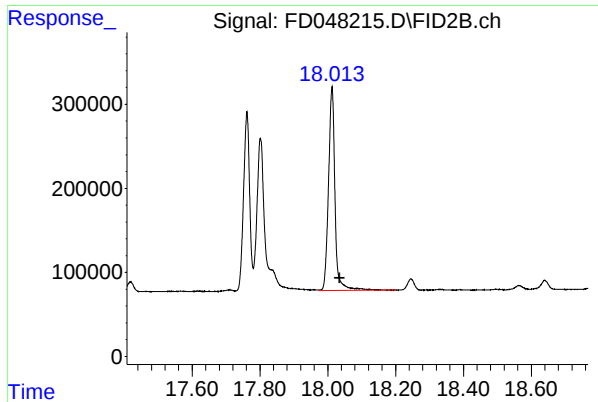
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.761 min
Delta R.T.: -0.033 min
Response: 2676336
Conc: 23.73 ug/ml m



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

R.T.: 17.802 min
Delta R.T.: -0.042 min
Response: 3135723
Conc: 21.58 ug/ml



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

R.T.: 18.012 min
Delta R.T.: -0.022 min
Response: 3227016
Conc: 21.90 ug/ml

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