

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101724AR\
 Data File : FD048535.D
 Signal(s) : FID2B.ch
 Acq On : 17 Oct 2024 12:04
 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 10/18/2024
 Supervised By :Ankita Jodhani 10/18/2024

Integration File: autoint1.e
 Quant Time: Oct 18 02:56:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.374	3265548	19.723 ug/ml
Spiked Amount 50.000		Recovery =	39.45%
6) S 2-Fluorobiphenyl (SURR)	8.224	2149674	20.729 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.46%
11) S ortho-Terphenyl (SURR)	11.259	3679787	19.999 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.197	3728230	21.273 ug/ml
2) T Naphthalene (C11.7)	5.714	3868991	20.722 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	3869268	20.474 ug/ml
5) T Acenaphthylene (C15.06)	8.026	3781821	19.713 ug/ml
7) T Acenaphthene (C15.5)	8.321	3813752	20.162 ug/ml
8) T Fluorene (C16.55)	9.099	3667707	20.300 ug/ml
9) T Phenanthrene (C19.36)	10.486	3595274	20.286 ug/ml
10) T Anthracene (C19.43)	10.561	3284442	18.458 ug/ml
12) T Fluoranthene (C21.85)	12.289	3540633	19.575 ug/ml
13) T Pyrene (C20.8)	12.583	3491755	19.500 ug/ml
14) T Benzo[a]anthracene (C...	14.451	3202919	20.041 ug/ml
15) T Chrysene (C27.41)	14.493	3344320	17.929 ug/ml
16) T benzo[b]fluoranthene ...	15.997	3314191	19.900 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.030	3191024	18.799 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	3283739	20.091 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.736	2905040	22.085 ug/mlm
20) T Dibenz[a,h]anthracene...	17.777	3419525	20.435 ug/ml
21) T Benzo[g,h,i]perylene ...	17.988	3305457	20.351 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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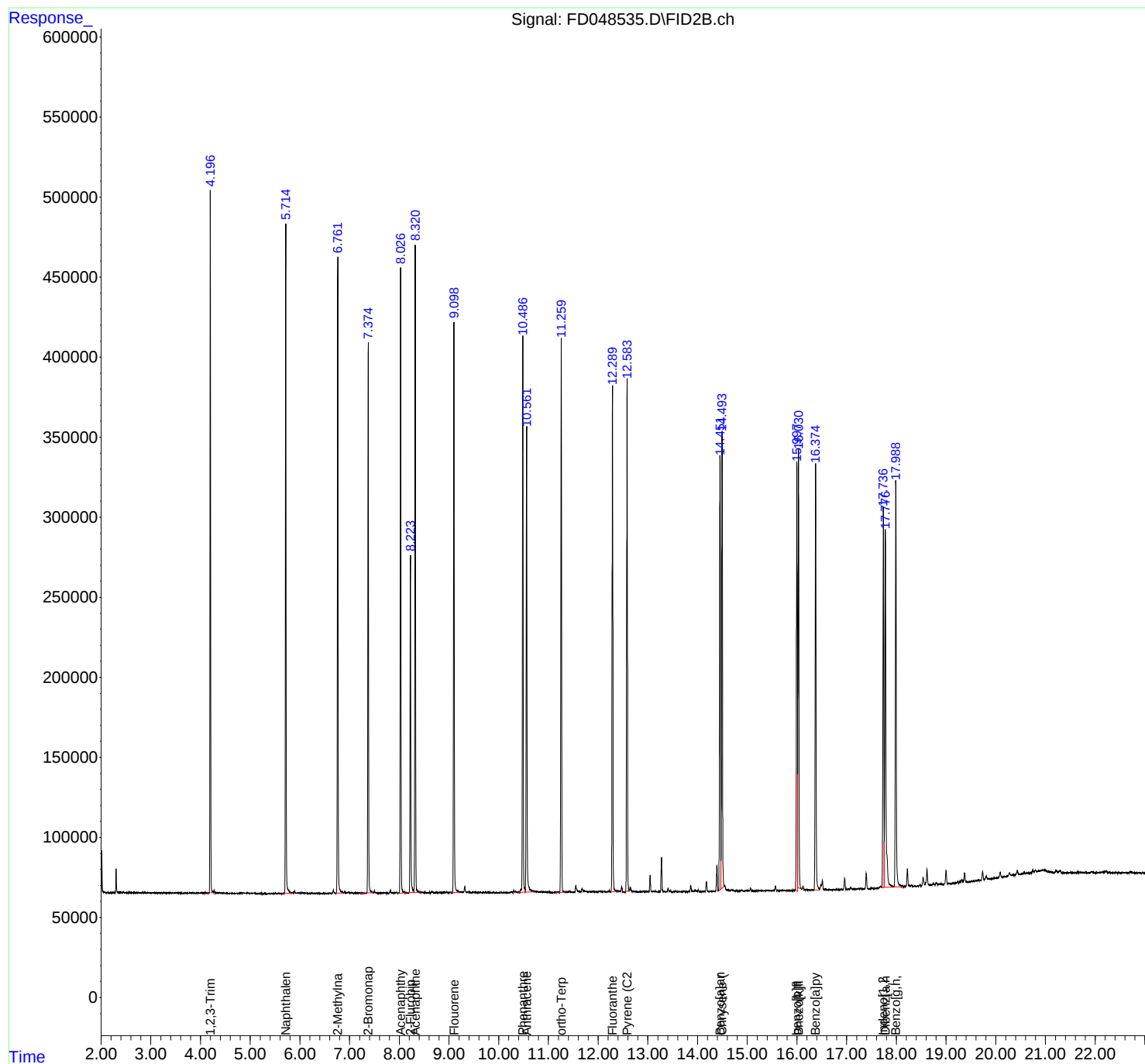
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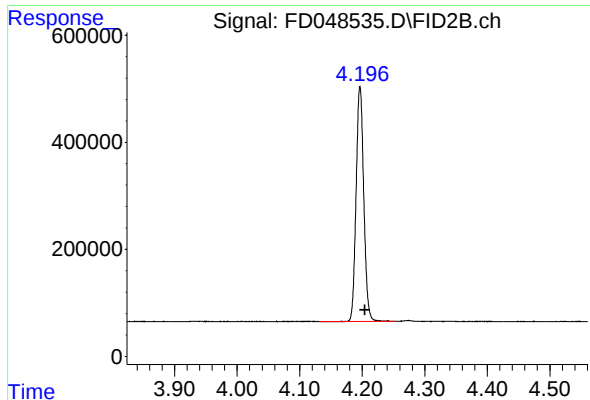
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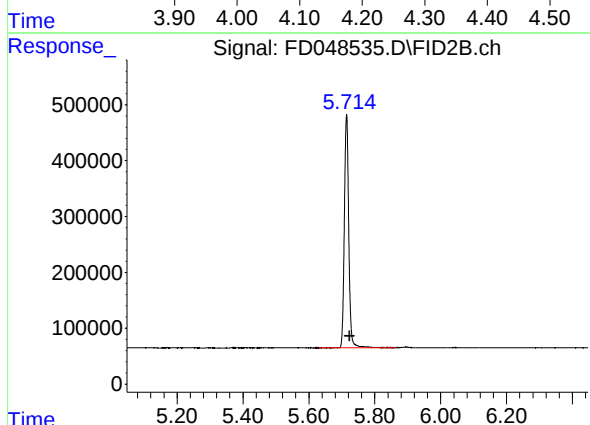
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.197 min
Delta R.T.: -0.007 min
Response: 3728230
Conc: 21.27 ug/ml

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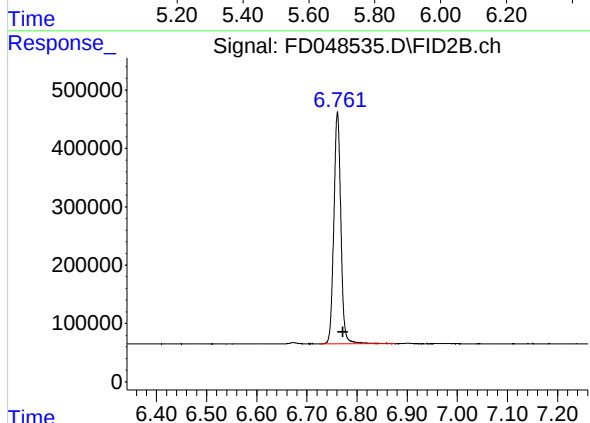
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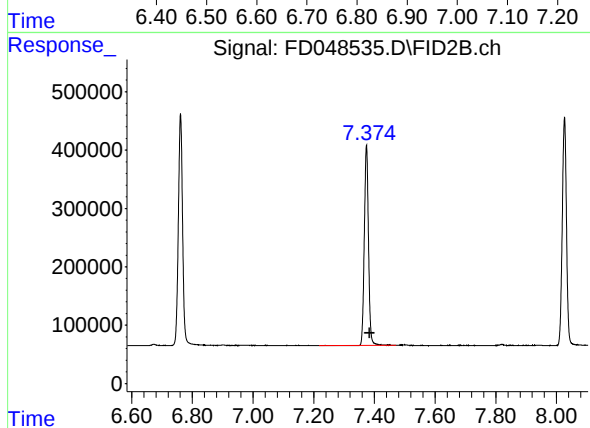
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: -0.010 min
Response: 3868991
Conc: 20.72 ug/ml



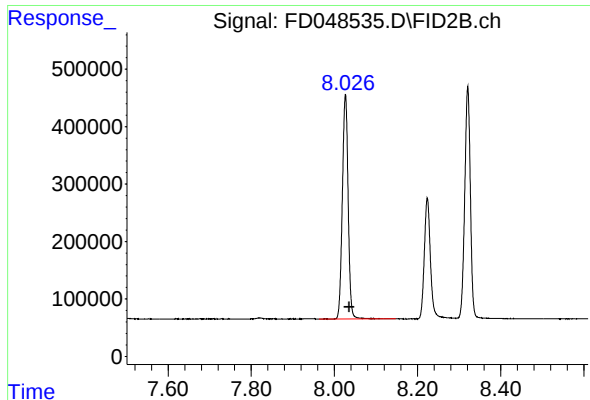
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: -0.011 min
Response: 3869268
Conc: 20.47 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.374 min
Delta R.T.: -0.010 min
Response: 3265548
Conc: 19.72 ug/ml



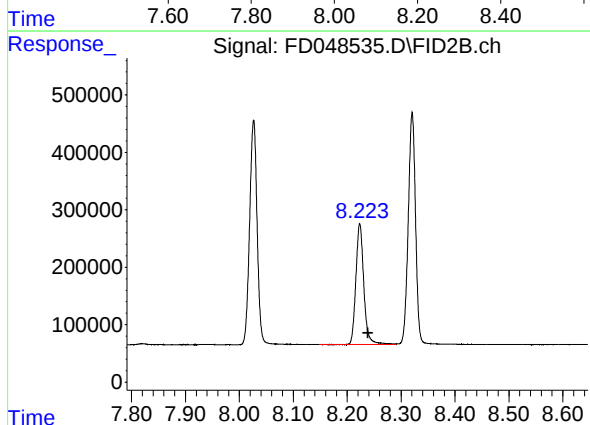
#5 Acenaphthylene (C15.06)

R.T.: 8.026 min
Delta R.T.: -0.009 min
Response: 3781821
Conc: 19.71 ug/ml

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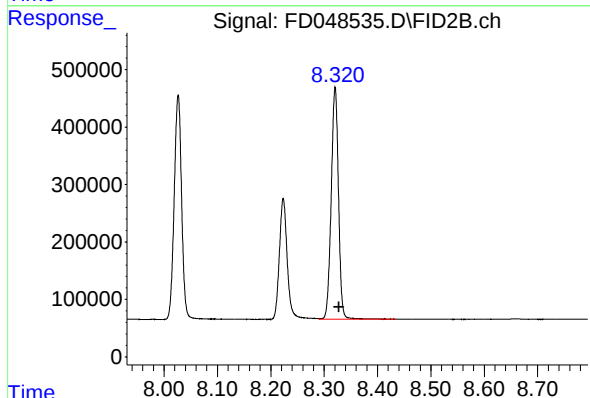
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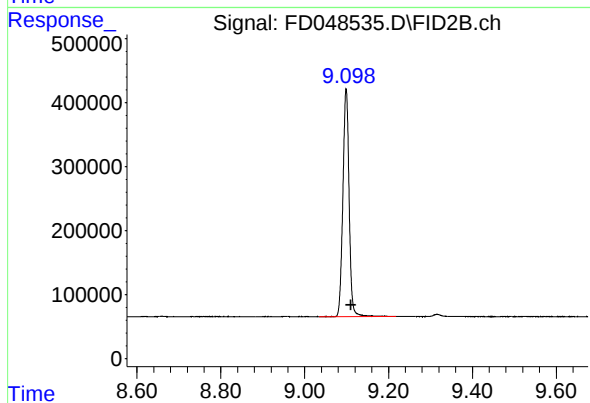
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.224 min
Delta R.T.: -0.015 min
Response: 2149674
Conc: 20.73 ug/ml



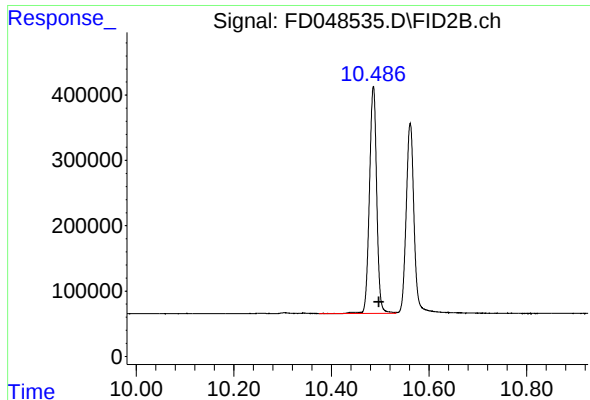
#7 Acenaphthene (C15.5)

R.T.: 8.321 min
Delta R.T.: -0.007 min
Response: 3813752
Conc: 20.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.099 min
Delta R.T.: -0.012 min
Response: 3667707
Conc: 20.30 ug/ml



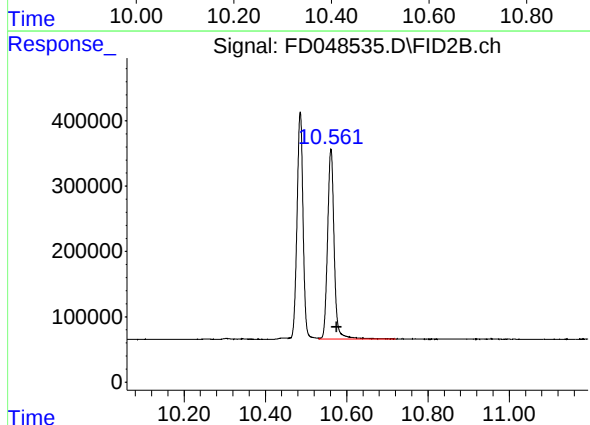
#9 Phenanthrene (C19.36)

R.T.: 10.486 min
Delta R.T.: -0.011 min
Response: 3595274
Conc: 20.29 ug/ml

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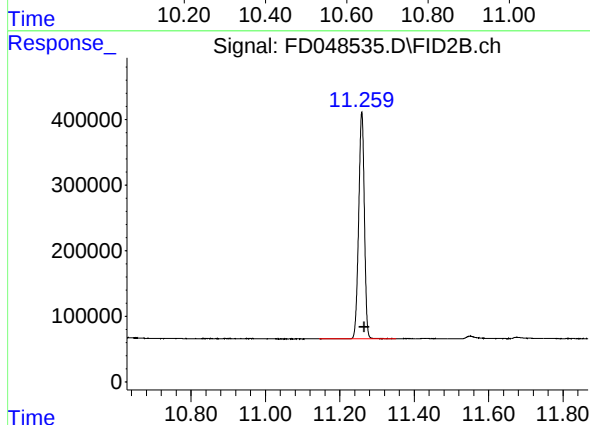
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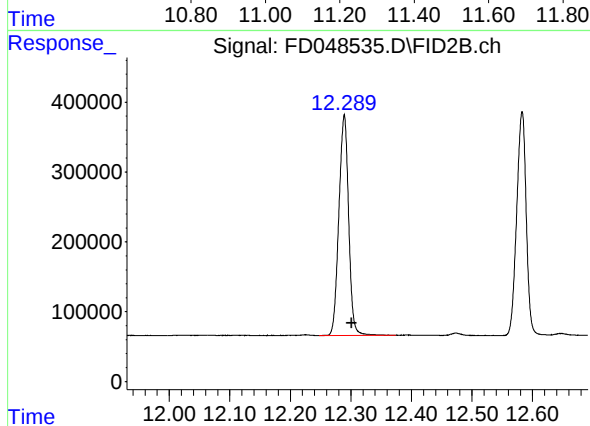
#10 Anthracene (C19.43)

R.T.: 10.561 min
Delta R.T.: -0.014 min
Response: 3284442
Conc: 18.46 ug/ml



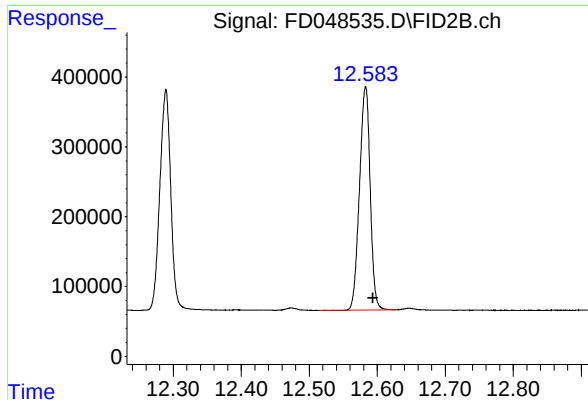
#11 ortho-Terphenyl (SURR)

R.T.: 11.259 min
Delta R.T.: -0.006 min
Response: 3679787
Conc: 20.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.289 min
Delta R.T.: -0.013 min
Response: 3540633
Conc: 19.58 ug/ml



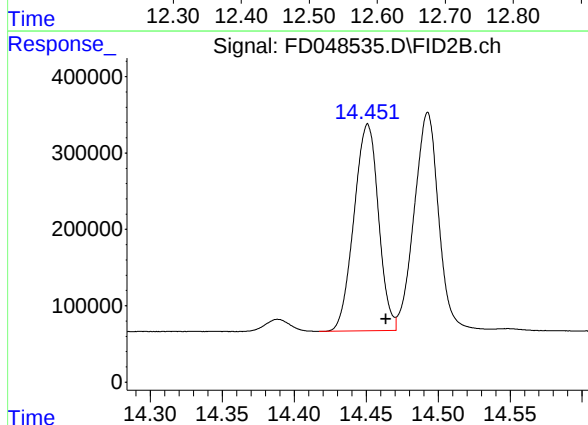
#13 Pyrene (C20.8)

R.T.: 12.583 min
Delta R.T.: -0.011 min
Response: 3491755
Conc: 19.50 ug/ml

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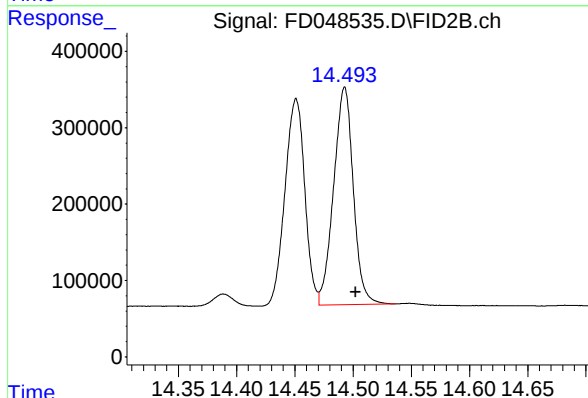
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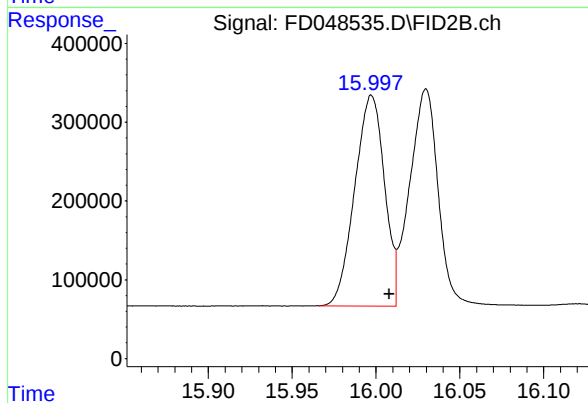
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.451 min
Delta R.T.: -0.013 min
Response: 3202919
Conc: 20.04 ug/ml



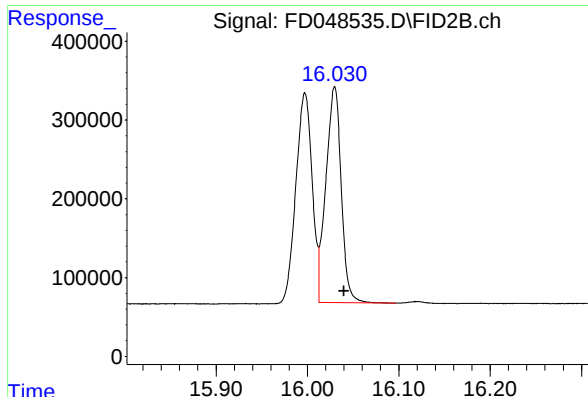
#15 Chrysene (C27.41)

R.T.: 14.493 min
Delta R.T.: -0.010 min
Response: 3344320
Conc: 17.93 ug/ml



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

R.T.: 15.997 min
Delta R.T.: -0.011 min
Response: 3314191
Conc: 19.90 ug/ml m



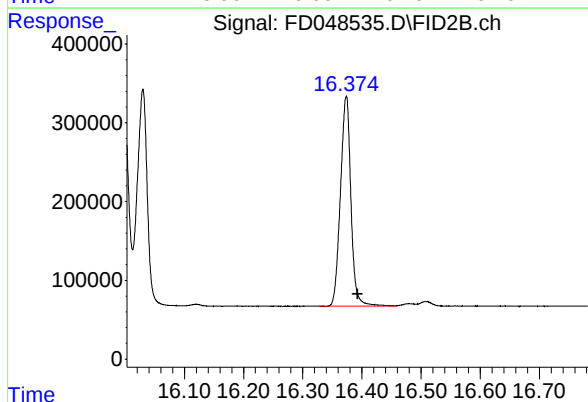
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.030 min
Delta R.T.: -0.011 min
Response: 3191024
Conc: 18.80 ug/ml

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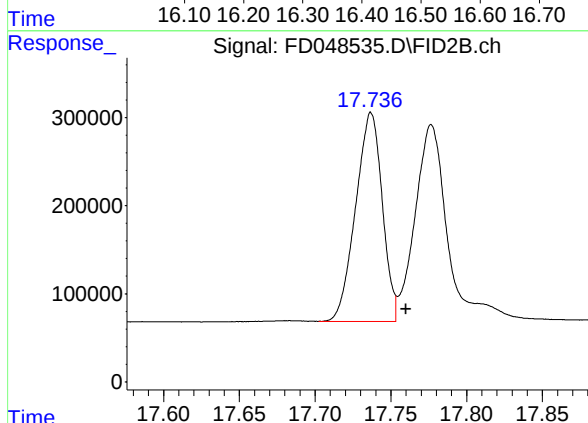
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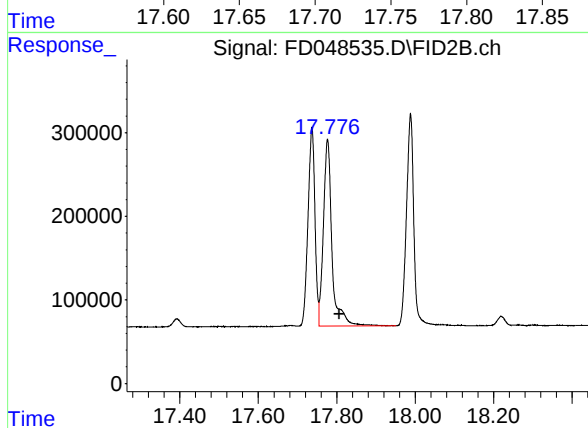
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: -0.020 min
Response: 3283739
Conc: 20.09 ug/ml



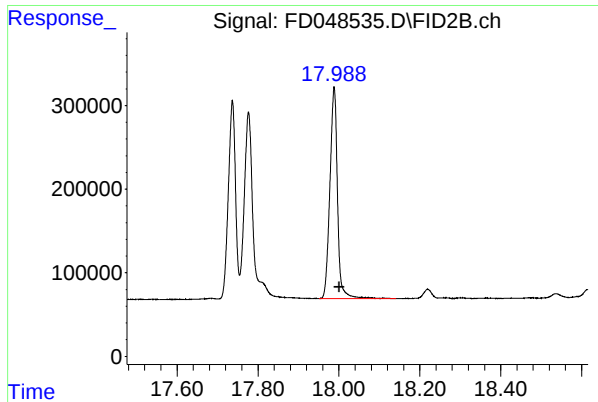
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.736 min
Delta R.T.: -0.024 min
Response: 2905040
Conc: 22.08 ug/ml m



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

R.T.: 17.777 min
Delta R.T.: -0.030 min
Response: 3419525
Conc: 20.44 ug/ml



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

R.T.: 17.988 min
Delta R.T.: -0.013 min
Response: 3305457
Conc: 20.35 ug/ml

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