

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022823AR\
 Data File : FD045177.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2023 09:19
 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 03/01/2023
 Supervised By :Ankita Jodhani 03/01/2023

Integration File: autoint1.e
 Quant Time: Mar 01 04:20:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 022123.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 22 04:55:52 2023
 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...	7.553	2732163	20.371 ug/ml
Spiked Amount 50.000		Recovery =	40.74%
6) S 2-Fluorobiphenyl (SURR)	8.409	1805757	20.149 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.30%
11) S ortho-Terphenyl (SURR)	11.449	3372177	20.050 ug/ml
Spiked Amount 50.000		Recovery =	40.10%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.361	3073620	20.530 ug/ml
2) T Naphthalene (C11.7)	5.892	3205991	20.419 ug/ml
3) T 2-Methylnaphthalene (...)	6.941	3174202	20.289 ug/ml
5) T Acenaphthylene (C15.06)	8.212	2889610	20.238 ug/ml
7) T Acenaphthene (C15.5)	8.508	3064482	20.322 ug/ml
8) T Fluorene (C16.55)	9.286	2953684	20.039 ug/ml
9) T Phenanthrene (C19.36)	10.678	2858311	19.745 ug/ml
10) T Anthracene (C19.43)	10.751	2500602	18.469 ug/ml
12) T Fluoranthene (C21.85)	12.483	2866219	19.997 ug/ml
13) T Pyrene (C20.8)	12.778	2771024	19.789 ug/ml
14) T Benzo[a]anthracene (C...	14.643	2466274	19.386 ug/ml
15) T Chrysene (C27.41)	14.685	2566937	19.386 ug/ml
16) T benzo[b]fluoranthene ...	16.186	2627863	20.037 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.219	2585321	19.936 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.561	2515536	19.598 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.919	2409420	19.182 ug/mlm
20) T Dibenz[a,h]anthracene...	17.961	2344386	19.168 ug/ml
21) T Benzo[g,h,i]perylene ...	18.173	2507645	19.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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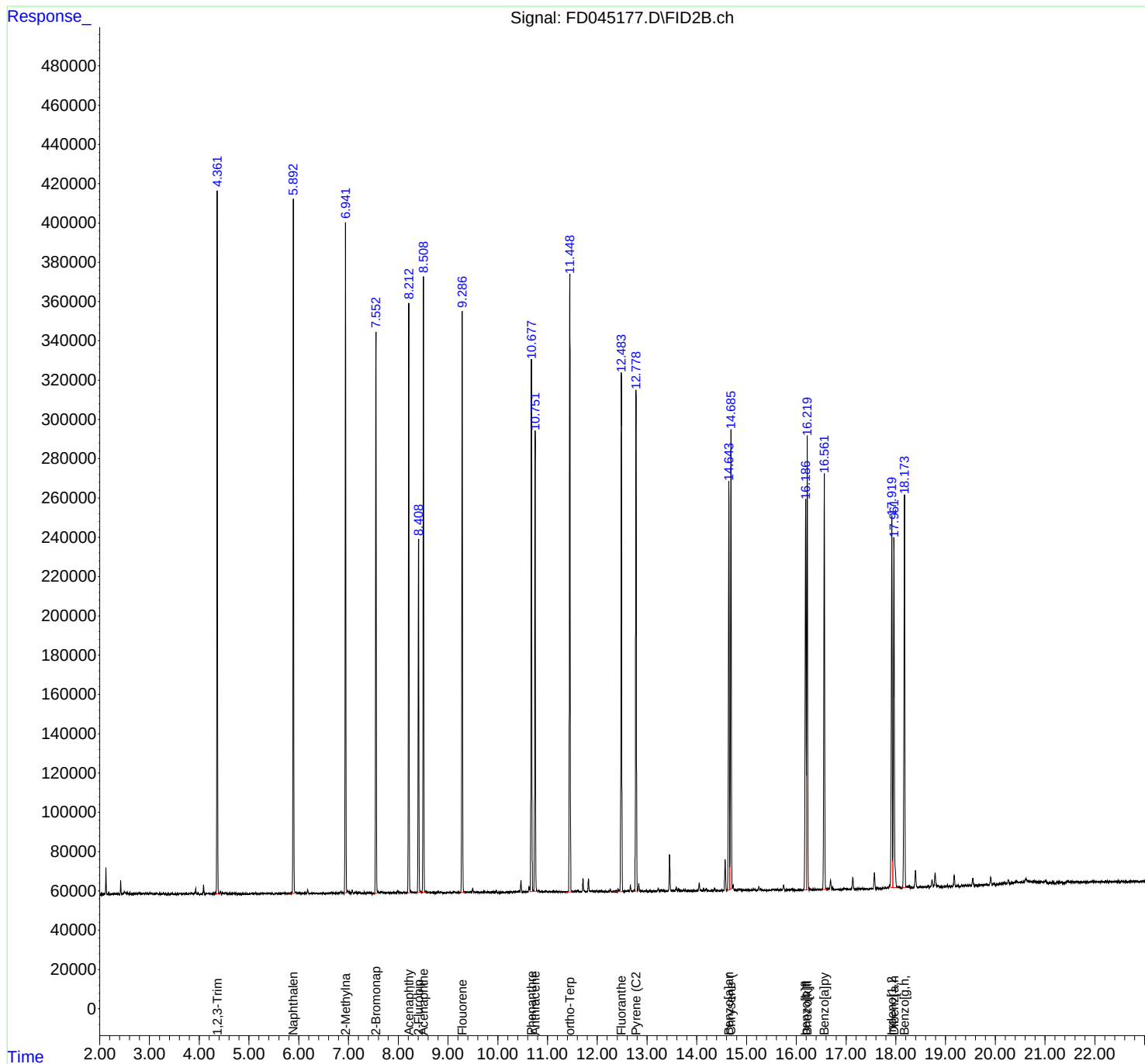
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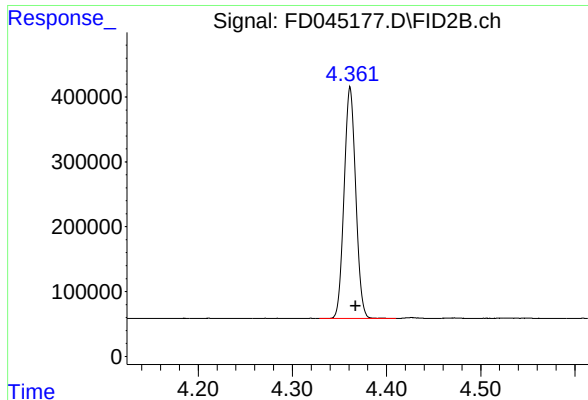
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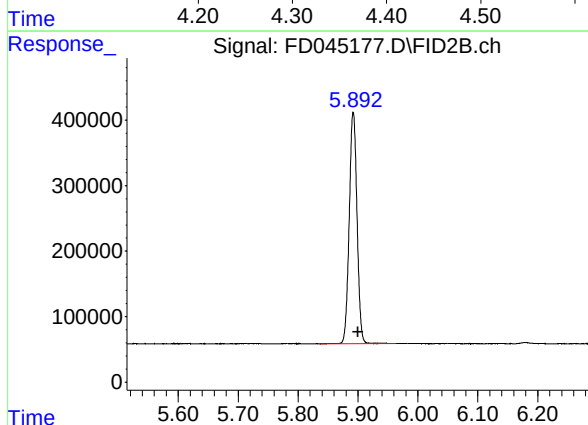
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.361 min
Delta R.T.: -0.006 min
Response: 3073620
Conc: 20.53 ug/ml

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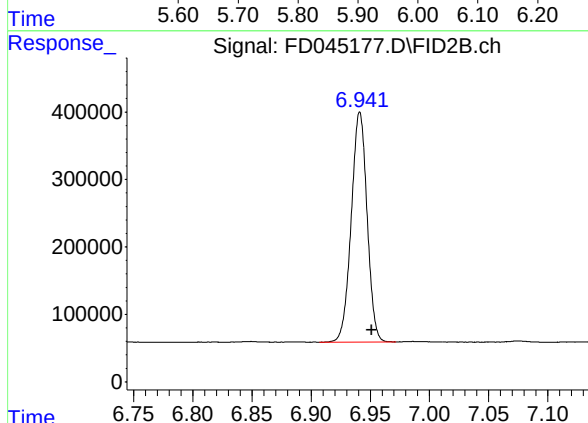
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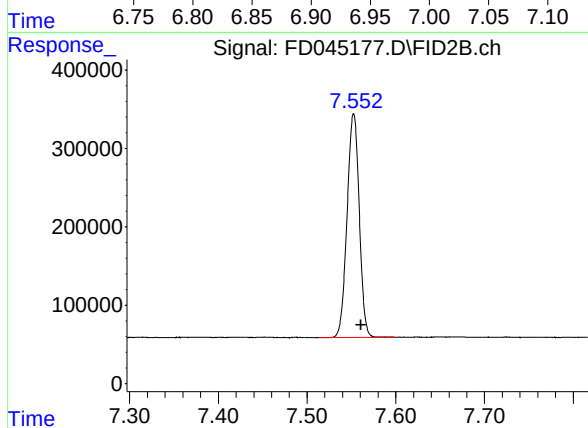
#2 Naphthalene (C11.7)

R.T.: 5.892 min
Delta R.T.: -0.008 min
Response: 3205991
Conc: 20.42 ug/ml



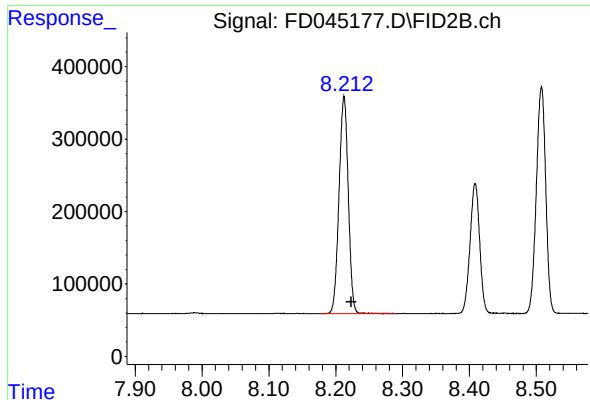
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.941 min
Delta R.T.: -0.010 min
Response: 3174202
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.553 min
Delta R.T.: -0.008 min
Response: 2732163
Conc: 20.37 ug/ml



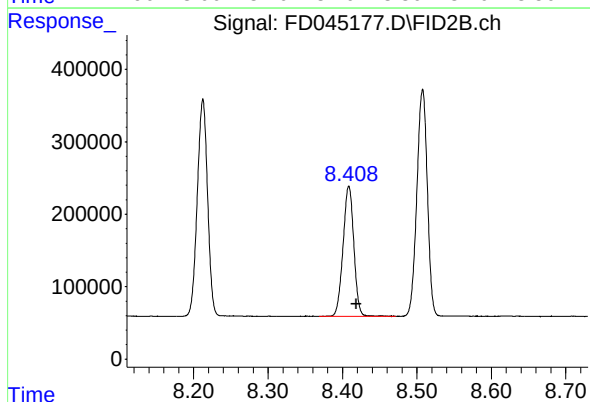
#5 Acenaphthylene (C15.06)

R.T.: 8.212 min
Delta R.T.: -0.011 min
Response: 2889610
Conc: 20.24 ug/ml

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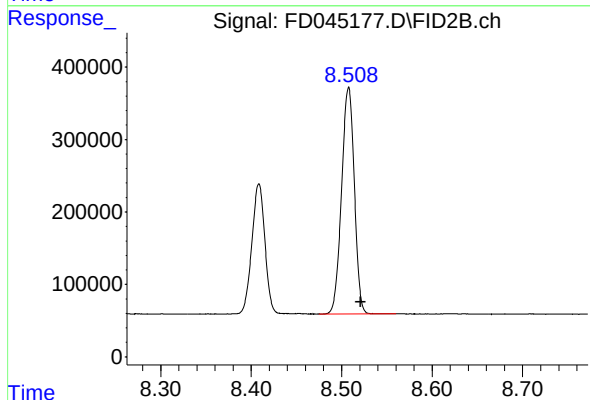
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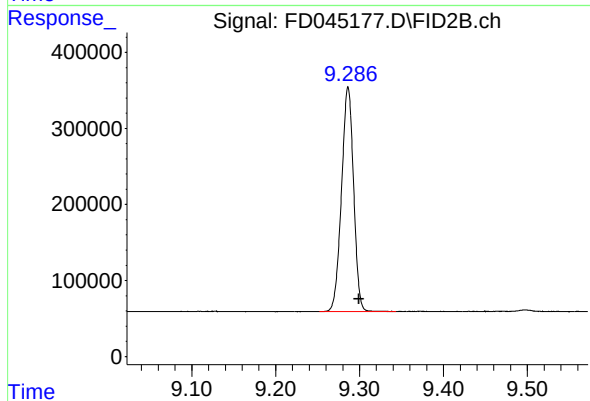
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.409 min
Delta R.T.: -0.010 min
Response: 1805757
Conc: 20.15 ug/ml



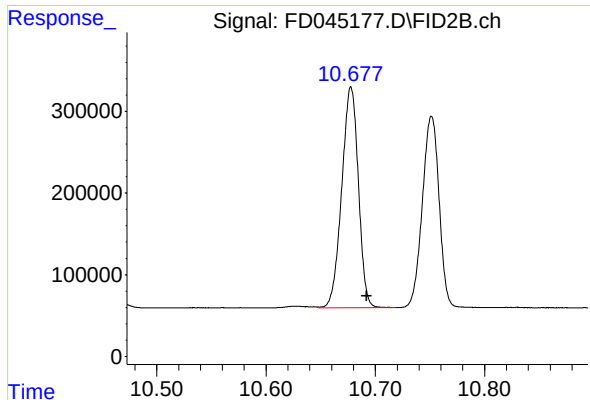
#7 Acenaphthene (C15.5)

R.T.: 8.508 min
Delta R.T.: -0.013 min
Response: 3064482
Conc: 20.32 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.286 min
Delta R.T.: -0.013 min
Response: 2953684
Conc: 20.04 ug/ml



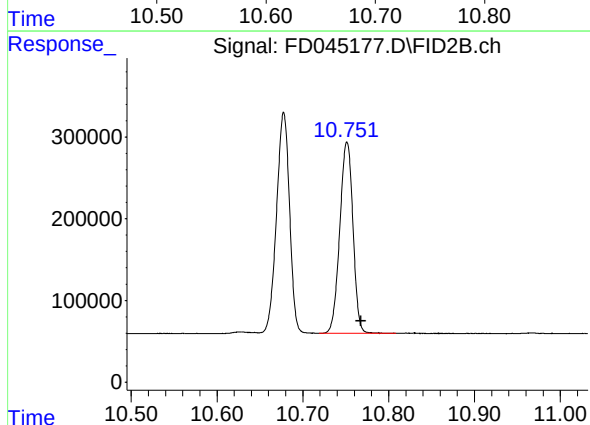
#9 Phenanthrene (C19.36)

R.T.: 10.678 min
Delta R.T.: -0.014 min
Response: 2858311
Conc: 19.75 ug/ml

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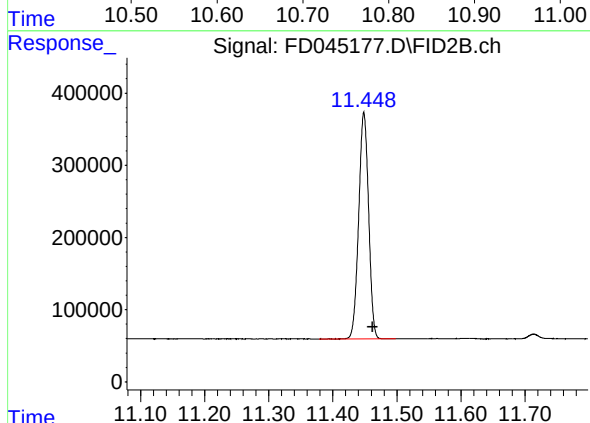
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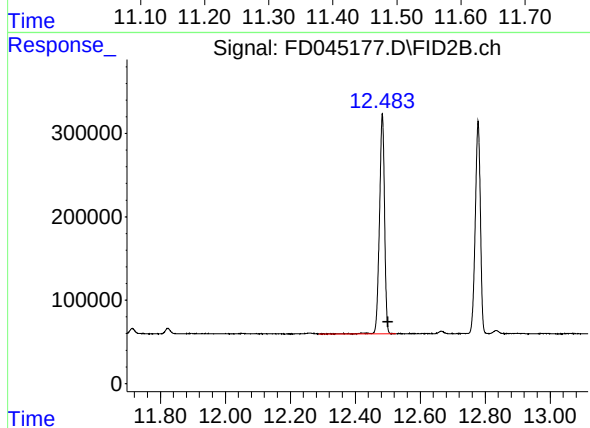
#10 Anthracene (C19.43)

R.T.: 10.751 min
Delta R.T.: -0.016 min
Response: 2500602
Conc: 18.47 ug/ml



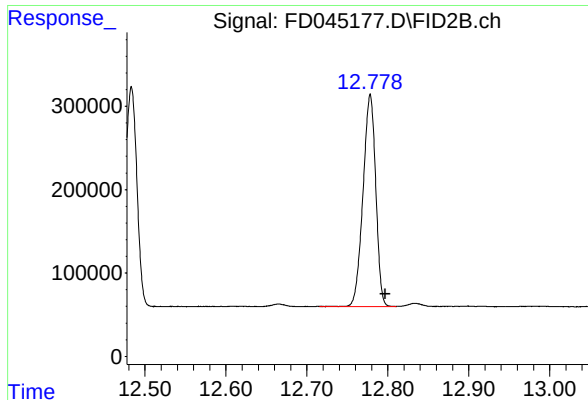
#11 ortho-Terphenyl (SURR)

R.T.: 11.449 min
Delta R.T.: -0.013 min
Response: 3372177
Conc: 20.05 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.483 min
Delta R.T.: -0.017 min
Response: 2866219
Conc: 20.00 ug/ml



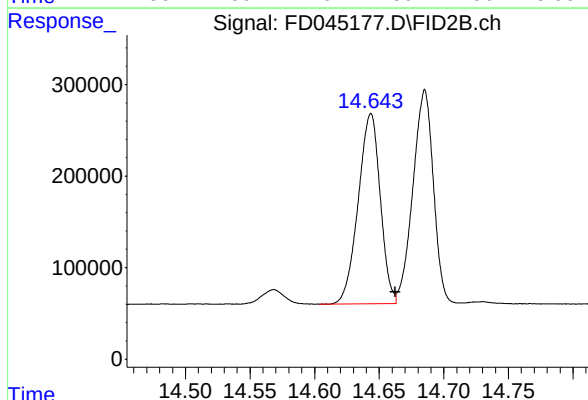
#13 Pyrene (C20.8)

R.T.: 12.778 min
 Delta R.T.: -0.019 min
 Response: 2771024
 Conc: 19.79 ug/ml

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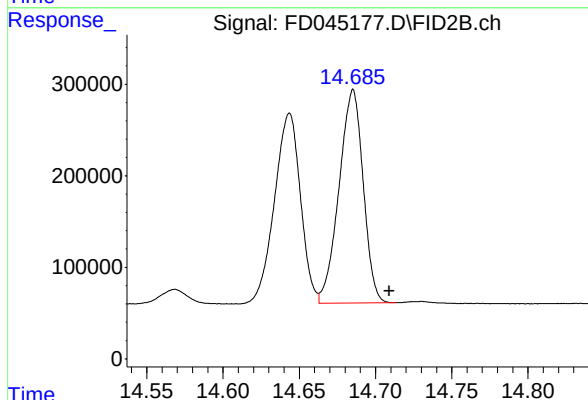
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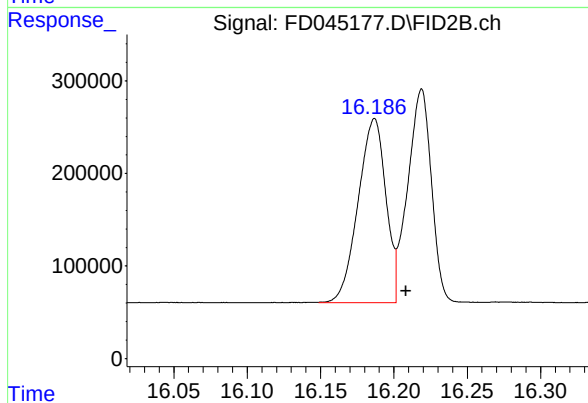
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.643 min
 Delta R.T.: -0.019 min
 Response: 2466274
 Conc: 19.39 ug/ml



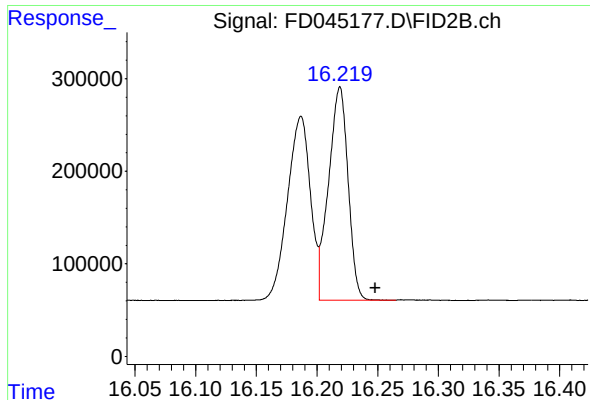
#15 Chrysene (C27.41)

R.T.: 14.685 min
 Delta R.T.: -0.024 min
 Response: 2566937
 Conc: 19.39 ug/ml



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

R.T.: 16.186 min
 Delta R.T.: -0.022 min
 Response: 2627863
 Conc: 20.04 ug/ml m



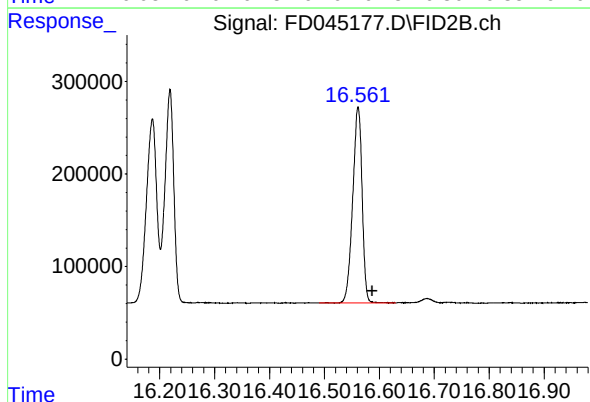
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.219 min
Delta R.T.: -0.030 min
Response: 2585321
Conc: 19.94 ug/ml

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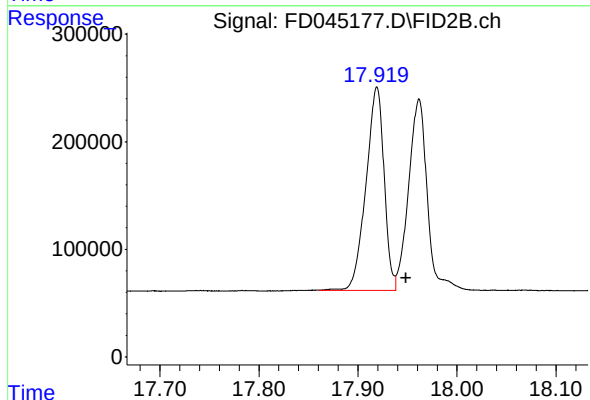
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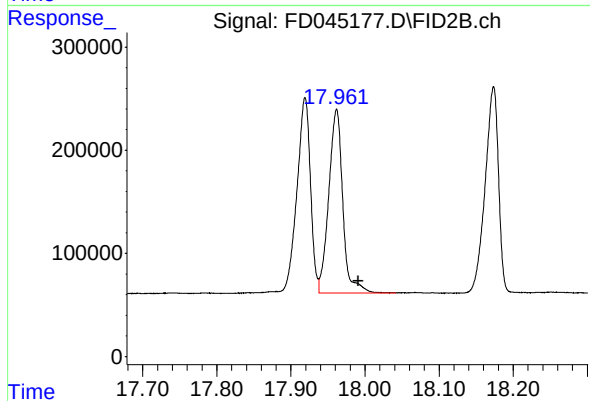
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.561 min
Delta R.T.: -0.026 min
Response: 2515536
Conc: 19.60 ug/ml



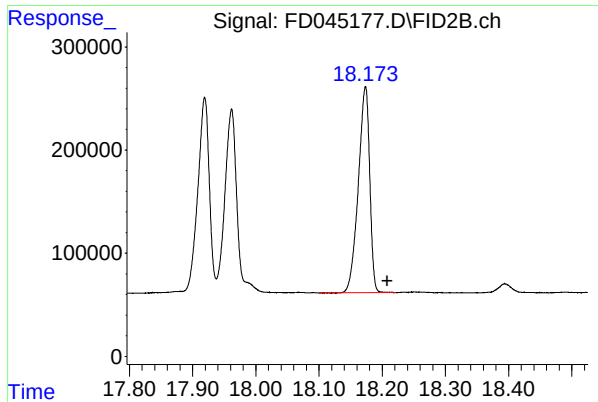
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.919 min
Delta R.T.: -0.030 min
Response: 2409420
Conc: 19.18 ug/ml m



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

R.T.: 17.961 min
Delta R.T.: -0.030 min
Response: 2344386
Conc: 19.17 ug/ml



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

R.T.: 18.173 min
Delta R.T.: -0.035 min
Response: 2507645
Conc: 19.77 ug/ml

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