

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022823AR\
 Data File : FD045180.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2023 11:25
 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 04:20:24 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	2756966	20.556 ug/ml
Spiked Amount 50.000		Recovery =	41.11%
6) S 2-Fluorobiphenyl (SURR)	8.409	1827164	20.388 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.78%
11) S ortho-Terphenyl (SURR)	11.449	3414365	20.300 ug/ml
Spiked Amount 50.000		Recovery =	40.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.363	3100061	20.707 ug/ml
2) T Naphthalene (C11.7)	5.893	3217041	20.490 ug/ml
3) T 2-Methylnaphthalene (...)	6.942	3206155	20.493 ug/ml
5) T Acenaphthylene (C15.06)	8.213	2913017	20.402 ug/ml
7) T Acenaphthene (C15.5)	8.509	3100976	20.564 ug/ml
8) T Fluorene (C16.55)	9.287	3001578	20.364 ug/ml
9) T Phenanthrene (C19.36)	10.678	2911217	20.111 ug/ml
10) T Anthracene (C19.43)	10.752	2572493	19.000 ug/ml
12) T Fluoranthene (C21.85)	12.483	2895312	20.200 ug/ml
13) T Pyrene (C20.8)	12.779	2810586	20.072 ug/ml
14) T Benzo[a]anthracene (C...	14.643	2526695	19.861 ug/ml
15) T Chrysene (C27.41)	14.685	2619195	19.781 ug/ml
16) T benzo[b]fluoranthene ...	16.186	2657520	20.263 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.218	2631041	20.289 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.561	2554778	19.904 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.919	2454070	19.538 ug/mlm
20) T Dibenz[a,h]anthracene...	17.961	2446747	20.005 ug/ml
21) T Benzo[g,h,i]perylene ...	18.173	2553426	20.127 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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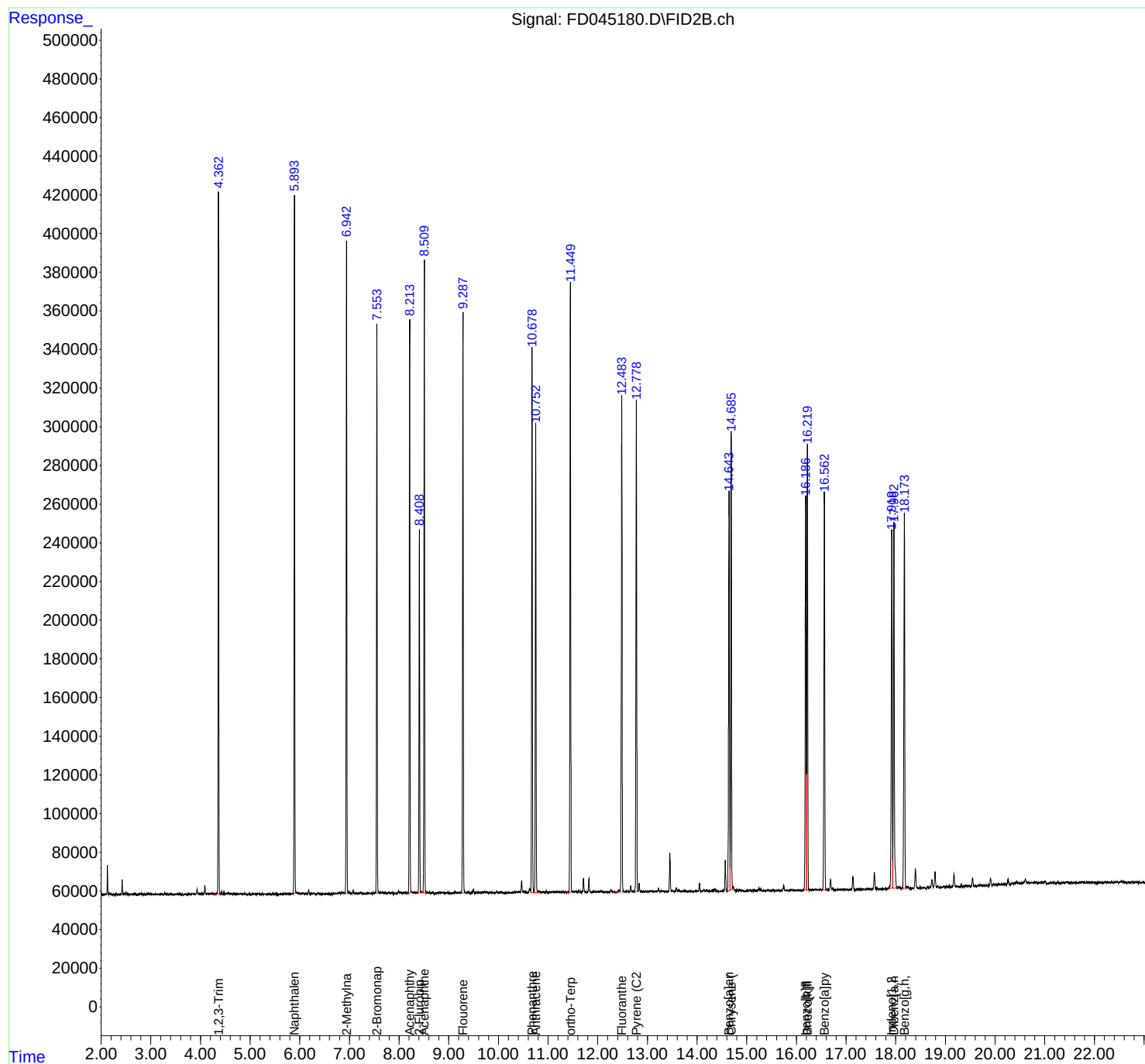
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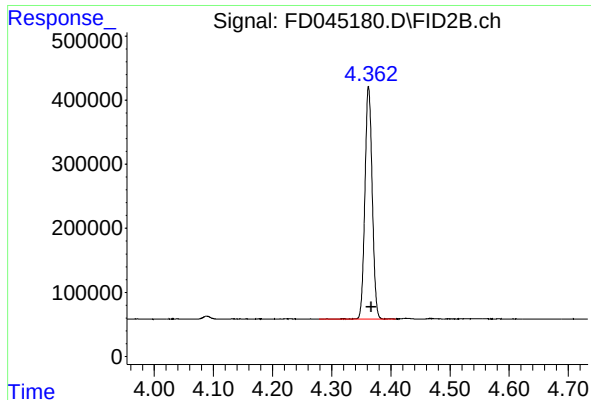
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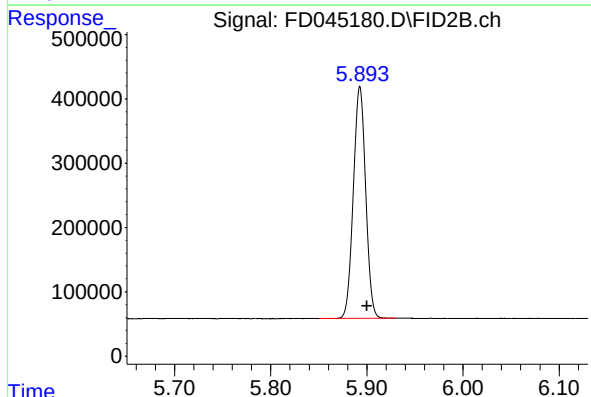
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.363 min
Delta R.T.: -0.004 min
Response: 3100061
Conc: 20.71 ug/ml

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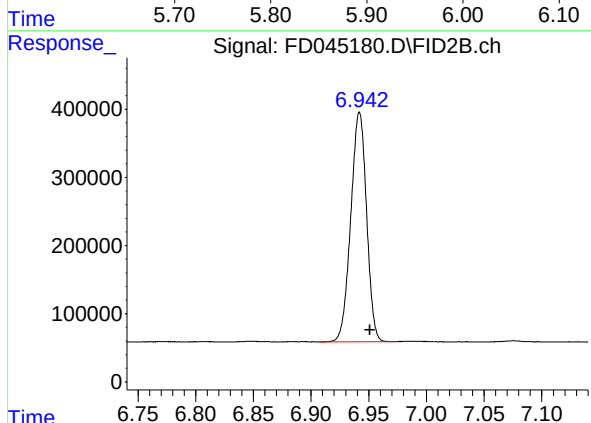
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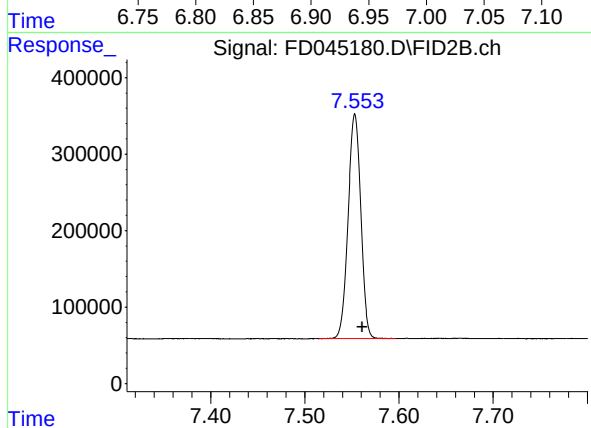
#2 Naphthalene (C11.7)

R.T.: 5.893 min
Delta R.T.: -0.007 min
Response: 3217041
Conc: 20.49 ug/ml



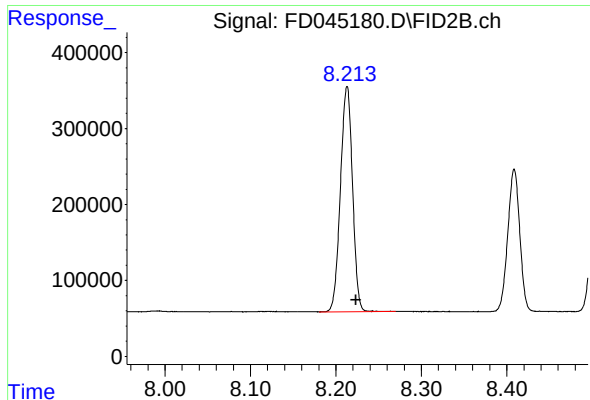
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.942 min
Delta R.T.: -0.009 min
Response: 3206155
Conc: 20.49 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.553 min
Delta R.T.: -0.008 min
Response: 2756966
Conc: 20.56 ug/ml



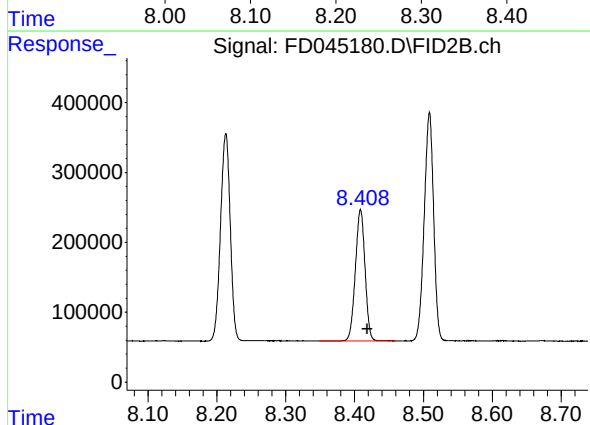
#5 Acenaphthylene (C15.06)

R.T.: 8.213 min
Delta R.T.: -0.010 min
Response: 2913017
Conc: 20.40 ug/ml

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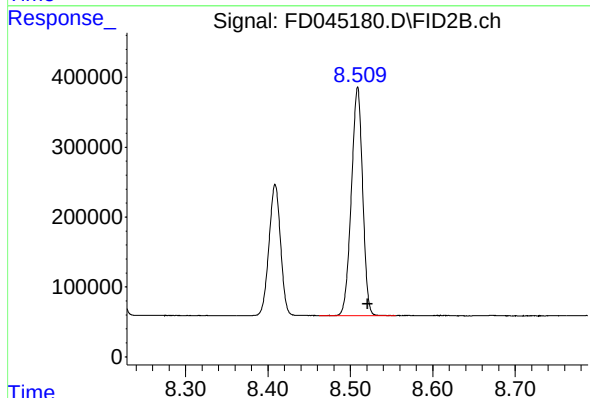
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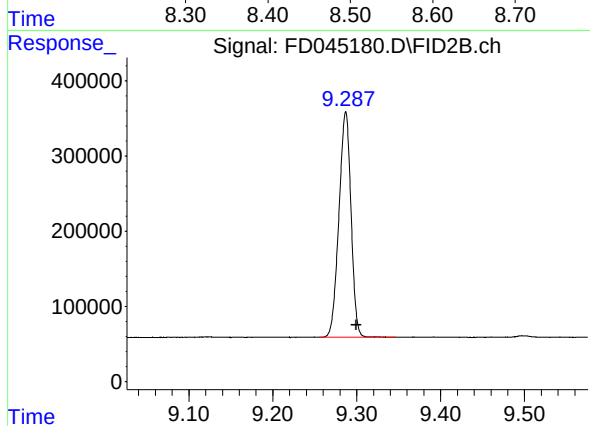
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.409 min
Delta R.T.: -0.010 min
Response: 1827164
Conc: 20.39 ug/ml



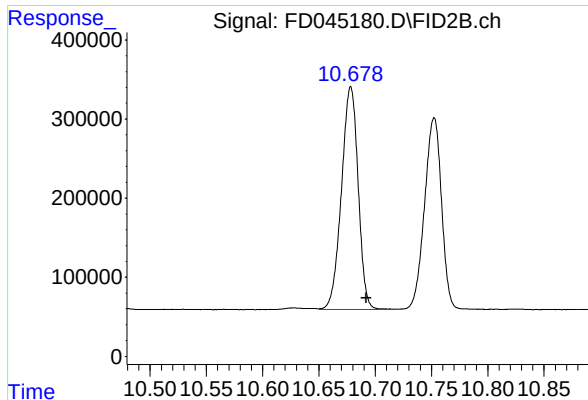
#7 Acenaphthene (C15.5)

R.T.: 8.509 min
Delta R.T.: -0.012 min
Response: 3100976
Conc: 20.56 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.287 min
Delta R.T.: -0.013 min
Response: 3001578
Conc: 20.36 ug/ml



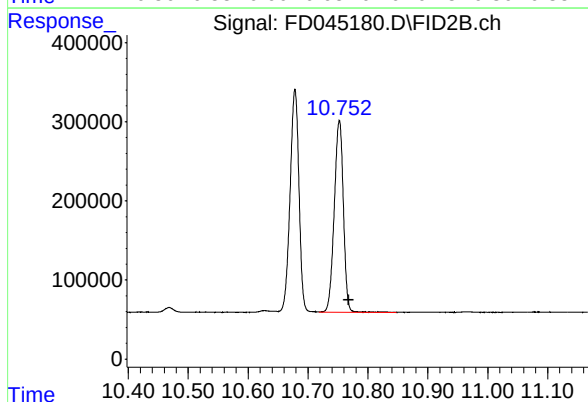
#9 Phenanthrene (C19.36)

R.T.: 10.678 min
Delta R.T.: -0.014 min
Response: 2911217
Conc: 20.11 ug/ml

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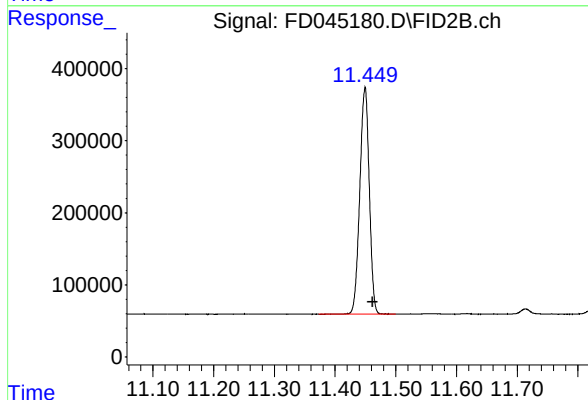
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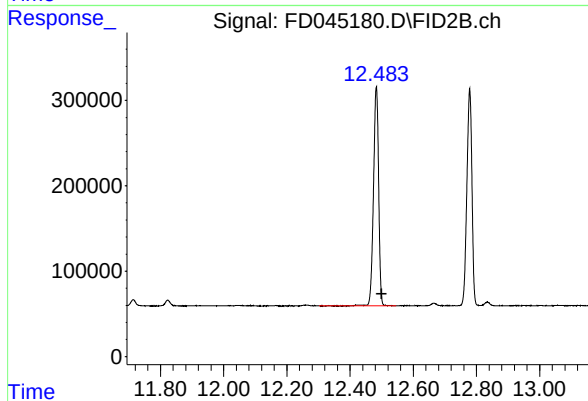
#10 Anthracene (C19.43)

R.T.: 10.752 min
Delta R.T.: -0.016 min
Response: 2572493
Conc: 19.00 ug/ml



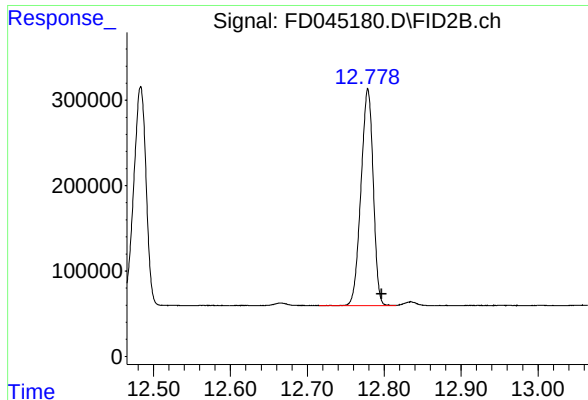
#11 ortho-Terphenyl (SURR)

R.T.: 11.449 min
Delta R.T.: -0.013 min
Response: 3414365
Conc: 20.30 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.483 min
Delta R.T.: -0.017 min
Response: 2895312
Conc: 20.20 ug/ml



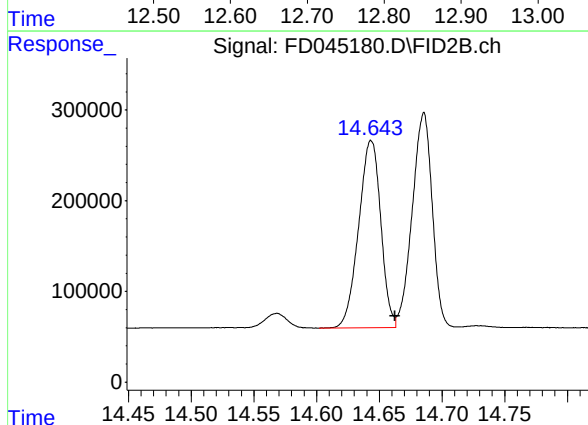
#13 Pyrene (C20.8)

R.T.: 12.779 min
Delta R.T.: -0.018 min
Response: 2810586
Conc: 20.07 ug/ml

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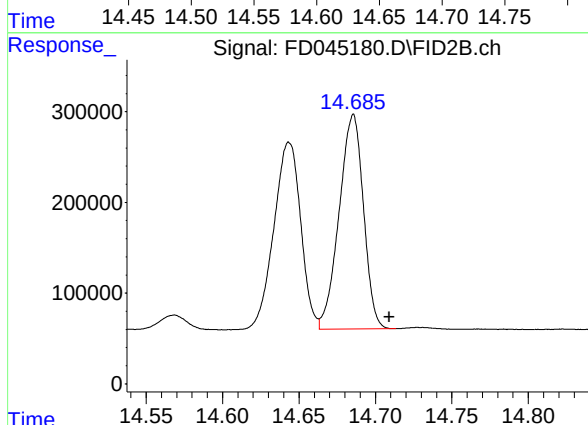
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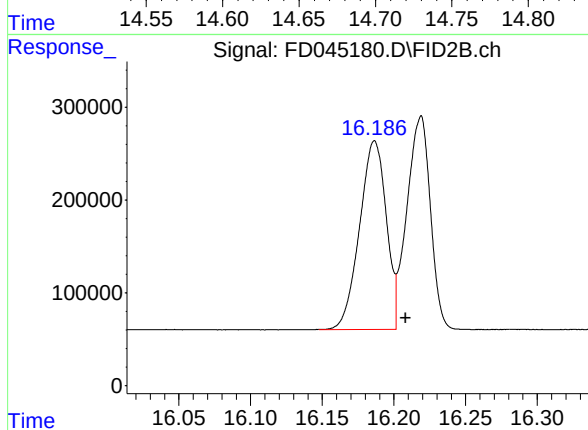
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.643 min
Delta R.T.: -0.019 min
Response: 2526695
Conc: 19.86 ug/ml



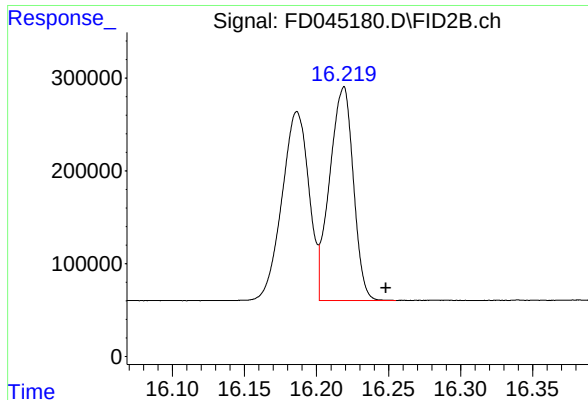
#15 Chrysene (C27.41)

R.T.: 14.685 min
Delta R.T.: -0.024 min
Response: 2619195
Conc: 19.78 ug/ml



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

R.T.: 16.186 min
Delta R.T.: -0.022 min
Response: 2657520
Conc: 20.26 ug/ml m



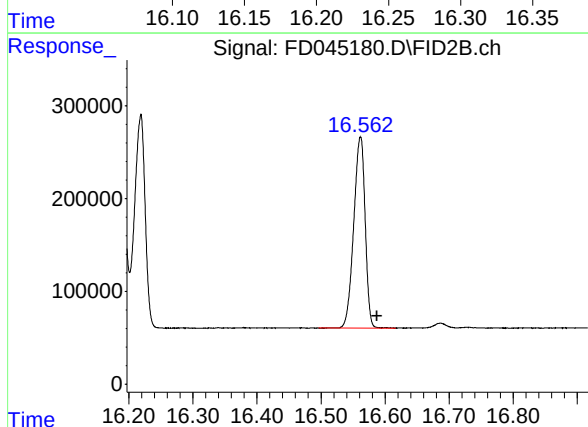
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.218 min
Delta R.T.: -0.030 min
Response: 2631041
Conc: 20.29 ug/ml

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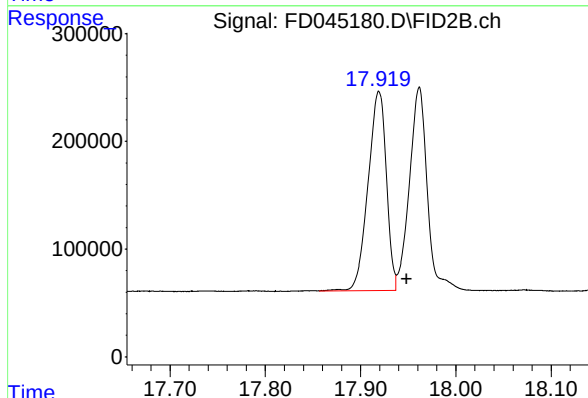
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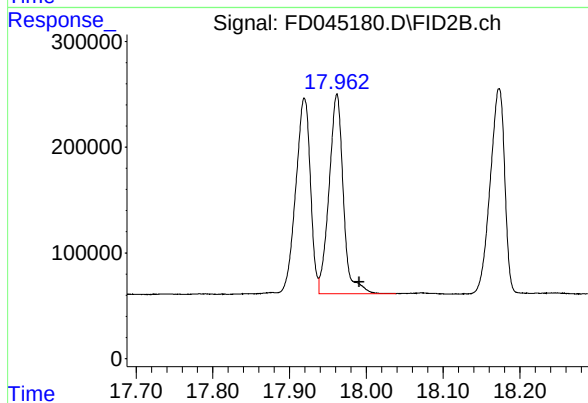
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.561 min
Delta R.T.: -0.026 min
Response: 2554778
Conc: 19.90 ug/ml



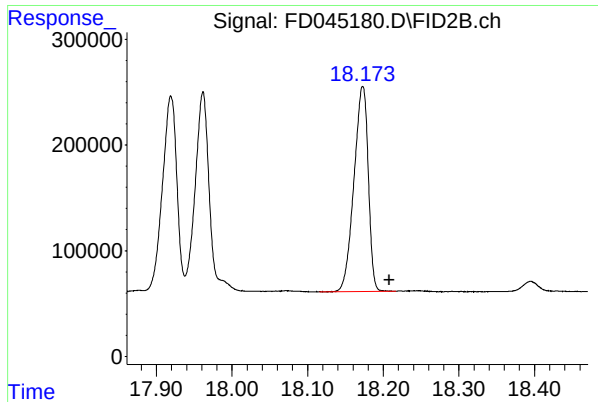
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.919 min
Delta R.T.: -0.030 min
Response: 2454070
Conc: 19.54 ug/ml m



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

R.T.: 17.961 min
Delta R.T.: -0.030 min
Response: 2446747
Conc: 20.00 ug/ml



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

R.T.: 18.173 min
Delta R.T.: -0.035 min
Response: 2553426
Conc: 20.13 ug/ml

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