

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD120122AR\
 Data File : FD044568.D
 Signal(s) : FID2B.ch
 Acq On : 02 Dec 2022 09:05
 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 12/02/2022
 Supervised By :Ankita Jodhani 12/02/2022

Integration File: autoint1.e
 Quant Time: Dec 02 09:39:18 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112922.M
 Quant Title : GC Extractables
 QLast Update : Tue Nov 29 00:29:41 2022
 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...	7.679	2542407	19.590 ug/ml
Spiked Amount 50.000		Recovery =	39.18%
6) S 2-Fluorobiphenyl (SURR)	8.537	1725515	19.538 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.08%
11) S ortho-Terphenyl (SURR)	11.567	3197660	19.648 ug/ml
Spiked Amount 50.000		Recovery =	39.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.496	2810801	19.697 ug/ml
2) T Naphthalene (C11.7)	6.026	2948335	19.609 ug/ml
3) T 2-Methylnaphthalene (...)	7.072	2957274	19.573 ug/ml
5) T Acenaphthylene (C15.06)	8.341	2695813	19.392 ug/ml
7) T Acenaphthene (C15.5)	8.636	2870943	19.563 ug/ml
8) T Flouorene (C16.55)	9.412	2830902	19.634 ug/ml
9) T Phenanthrene (C19.36)	10.802	2781599	19.506 ug/ml
10) T Anthracene (C19.43)	10.875	2601917	18.728 ug/ml
12) T Fluoranthene (C21.85)	12.603	2799647	19.639 ug/ml
13) T Pyrene (C20.8)	12.898	2722755	19.564 ug/ml
14) T Benzo[a]anthracene (C...	14.758	2545455	19.673 ug/mlm
15) T Chrysene (C27.41)	14.800	2728044	20.235 ug/ml
16) T benzo[b]fluoranthene ...	16.299	2596453	19.727 ug/ml
17) T Bnezo[k]fluoranthene ...	16.330	2635293	20.237 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.673	2515693	19.466 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.028	2434831	19.104 ug/mlm
20) T Dibenz[a,h]anthracene...	18.070	2562722	20.368 ug/ml
21) T Benzo[g,h,i]perylene ...	18.282	2506804	19.490 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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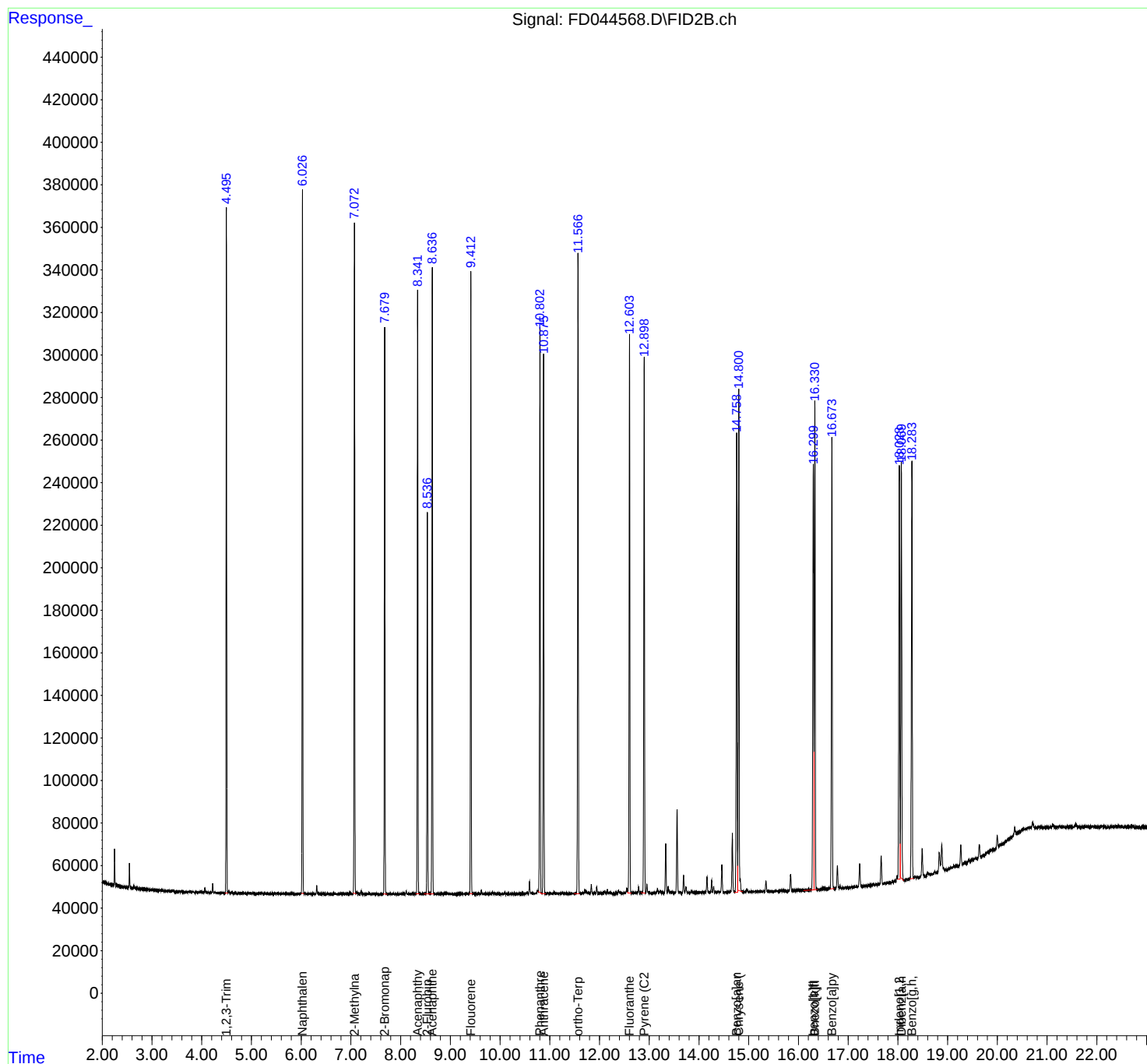
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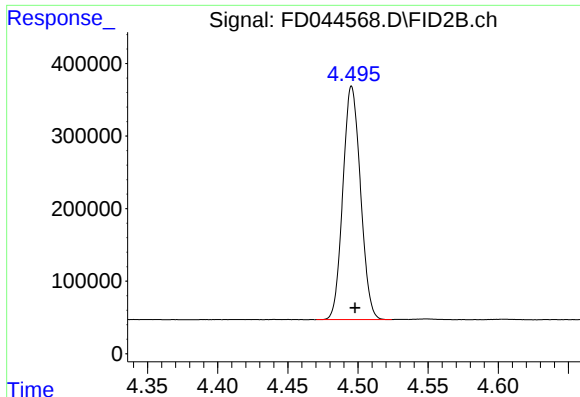
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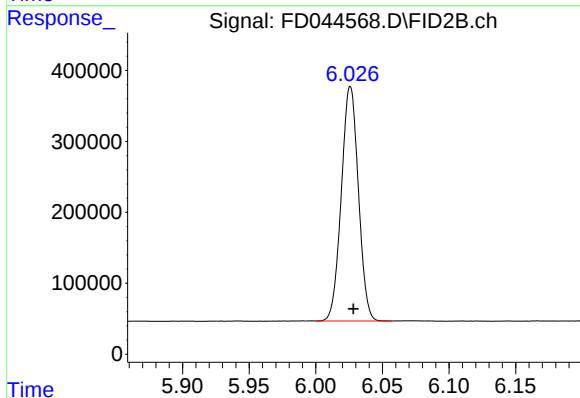
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.496 min
Delta R.T.: -0.002 min
Response: 2810801
Conc: 19.70 ug/ml

Instrument :
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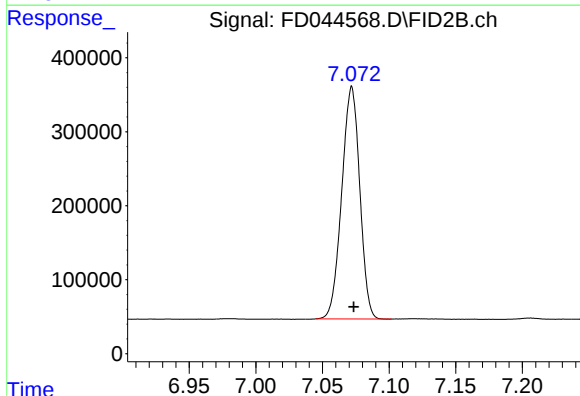
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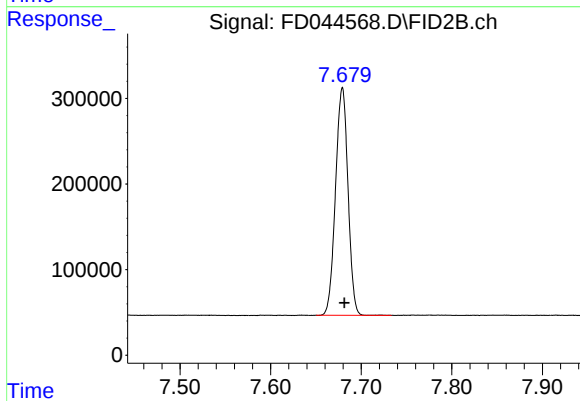
#2 Naphthalene (C11.7)

R.T.: 6.026 min
Delta R.T.: -0.002 min
Response: 2948335
Conc: 19.61 ug/ml



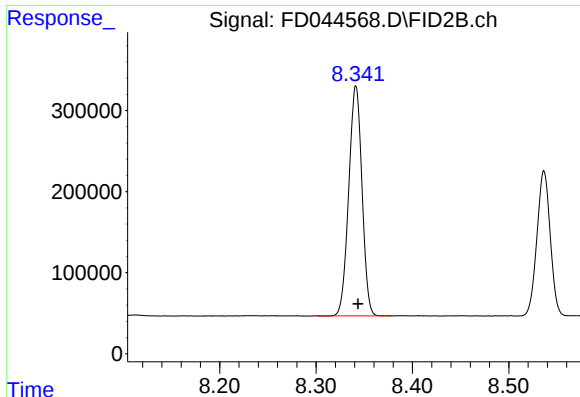
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.072 min
Delta R.T.: -0.002 min
Response: 2957274
Conc: 19.57 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.679 min
Delta R.T.: -0.002 min
Response: 2542407
Conc: 19.59 ug/ml



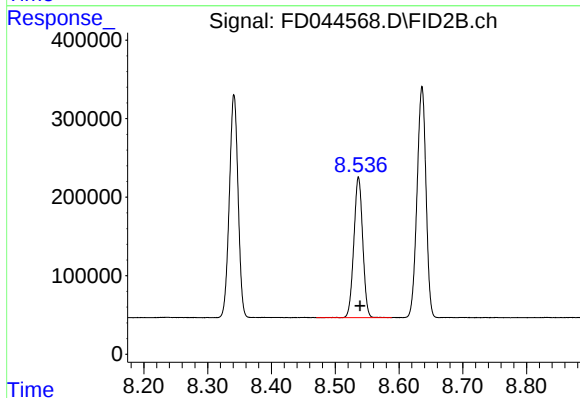
#5 Acenaphthylene (C15.06)

R.T.: 8.341 min
Delta R.T.: -0.002 min
Response: 2695813
Conc: 19.39 ug/ml

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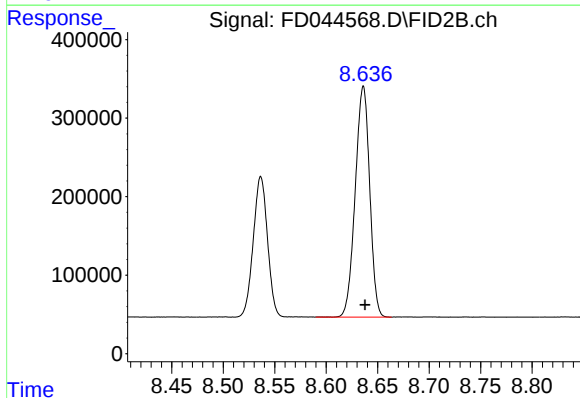
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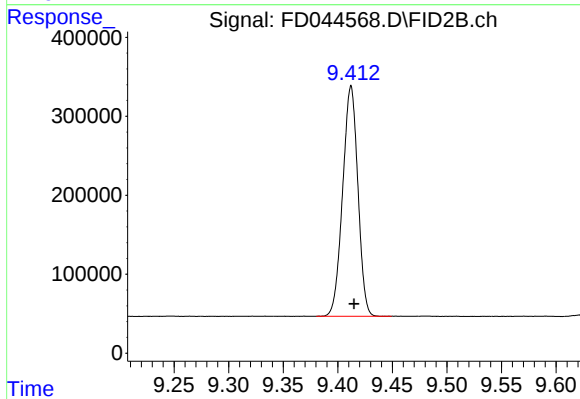
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.537 min
Delta R.T.: -0.003 min
Response: 1725515
Conc: 19.54 ug/ml



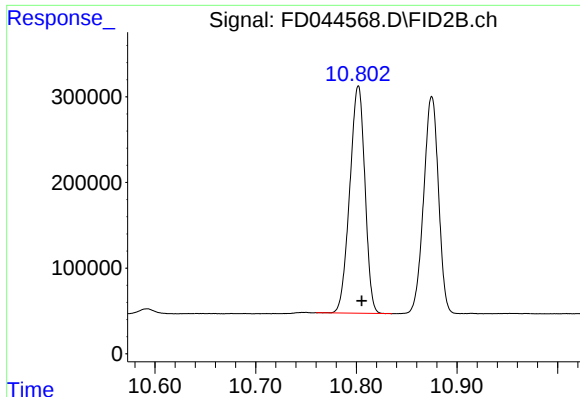
#7 Acenaphthene (C15.5)

R.T.: 8.636 min
Delta R.T.: -0.002 min
Response: 2870943
Conc: 19.56 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.412 min
Delta R.T.: -0.003 min
Response: 2830902
Conc: 19.63 ug/ml



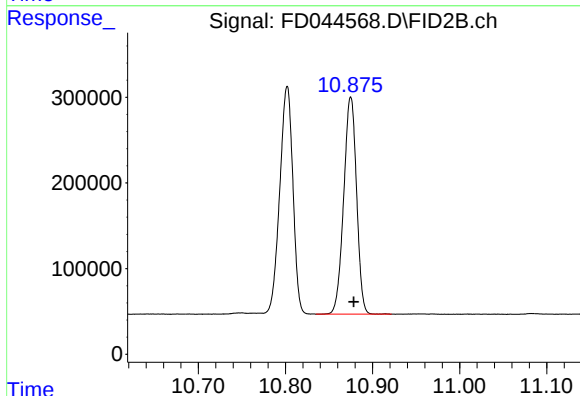
#9 Phenanthrene (C19.36)

R.T.: 10.802 min
Delta R.T.: -0.004 min
Response: 2781599
Conc: 19.51 ug/ml

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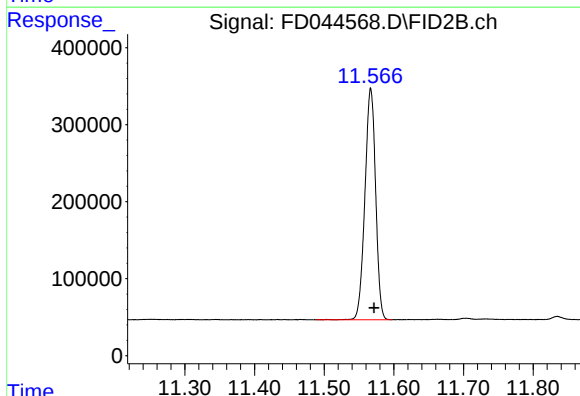
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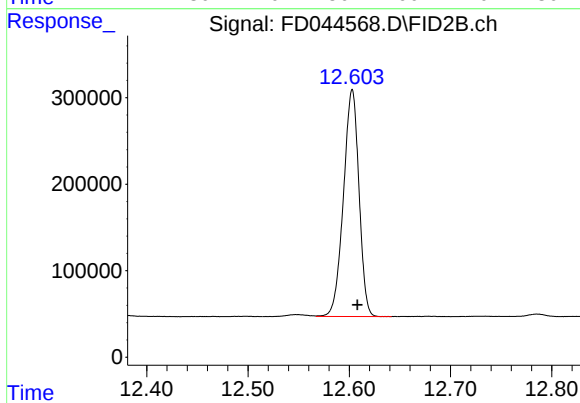
#10 Anthracene (C19.43)

R.T.: 10.875 min
Delta R.T.: -0.003 min
Response: 2601917
Conc: 18.73 ug/ml



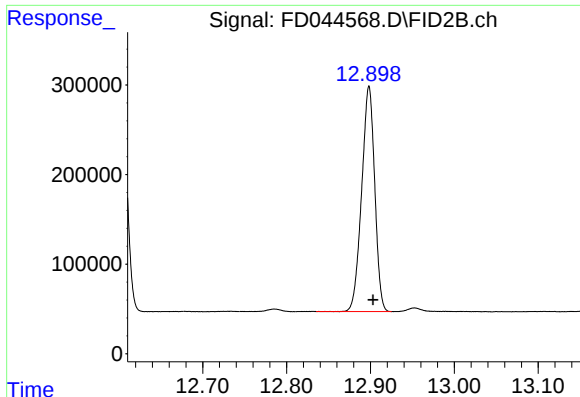
#11 ortho-Terphenyl (SURR)

R.T.: 11.567 min
Delta R.T.: -0.005 min
Response: 3197660
Conc: 19.65 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.603 min
Delta R.T.: -0.005 min
Response: 2799647
Conc: 19.64 ug/ml



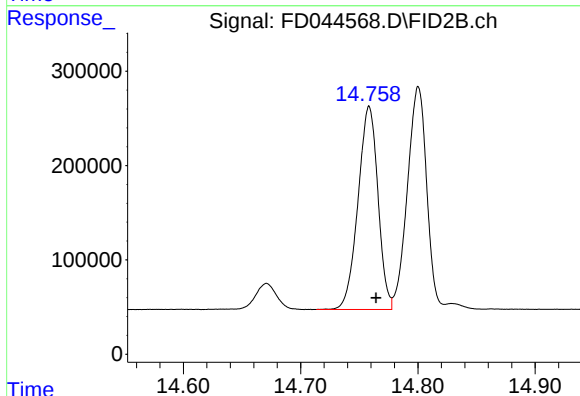
#13 Pyrene (C20.8)

R.T.: 12.898 min
Delta R.T.: -0.005 min
Response: 2722755
Conc: 19.56 ug/ml

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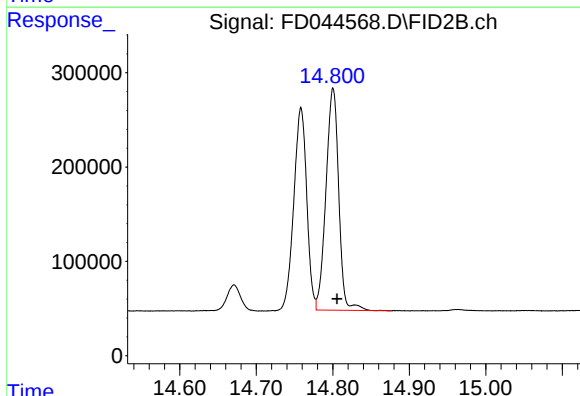
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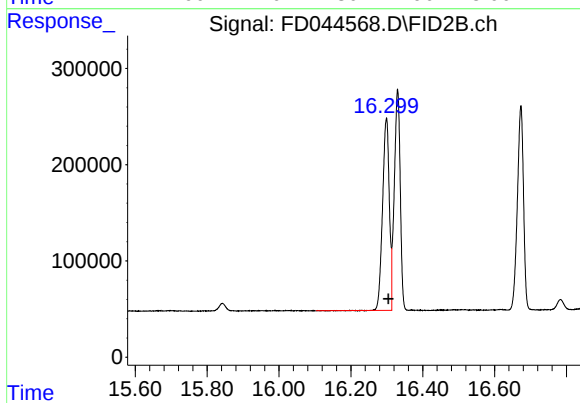
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.758 min
Delta R.T.: -0.006 min
Response: 2545455
Conc: 19.67 ug/ml m



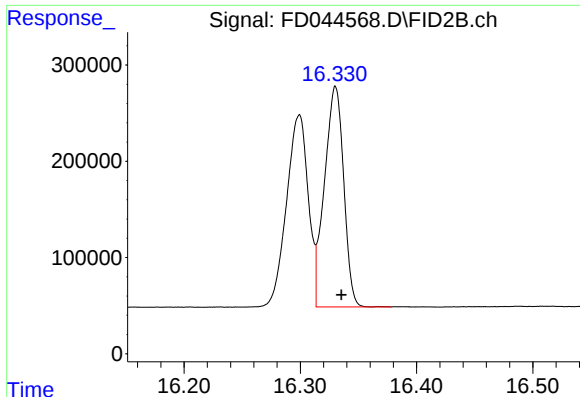
#15 Chrysene (C27.41)

R.T.: 14.800 min
Delta R.T.: -0.005 min
Response: 2728044
Conc: 20.24 ug/ml



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

R.T.: 16.299 min
Delta R.T.: -0.006 min
Response: 2596453
Conc: 19.73 ug/ml



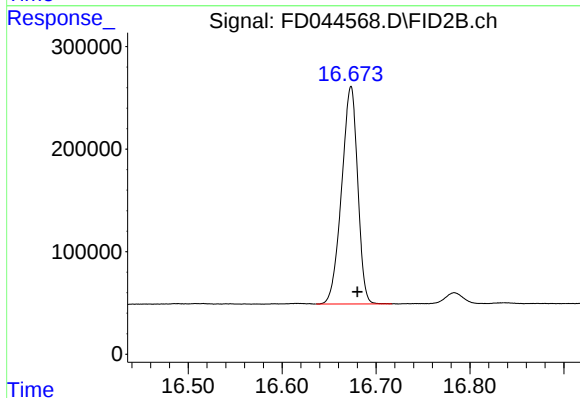
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.330 min
Delta R.T.: -0.005 min
Response: 2635293
Conc: 20.24 ug/ml

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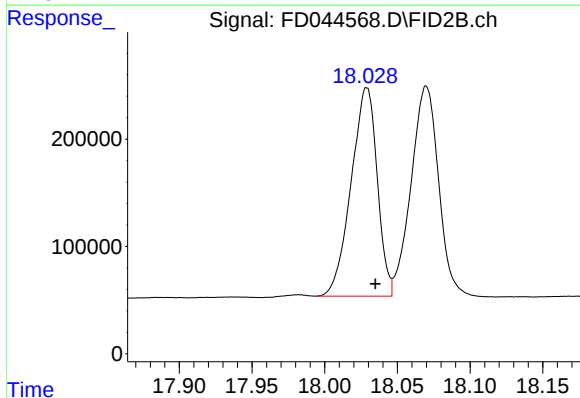
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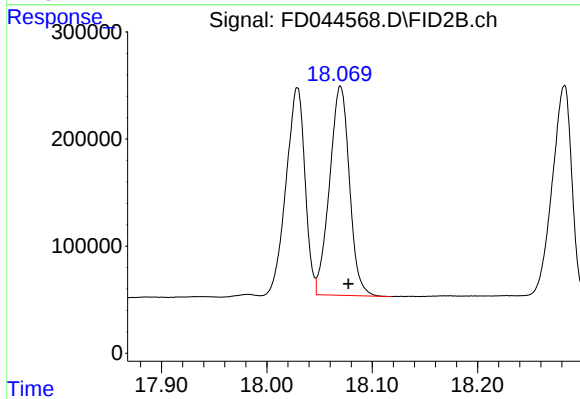
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.673 min
Delta R.T.: -0.007 min
Response: 2515693
Conc: 19.47 ug/ml m



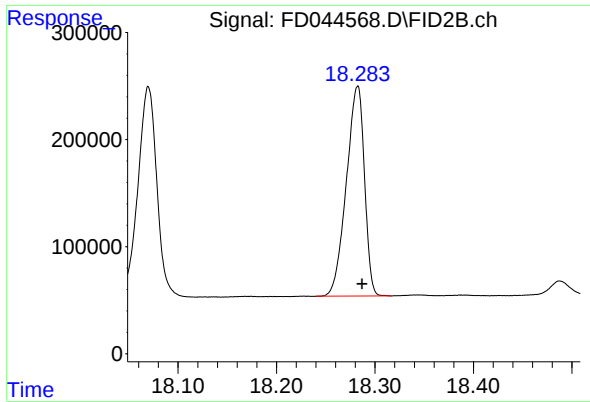
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.028 min
Delta R.T.: -0.007 min
Response: 2434831
Conc: 19.10 ug/ml m



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

R.T.: 18.070 min
Delta R.T.: -0.008 min
Response: 2562722
Conc: 20.37 ug/ml



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

R.T.: 18.282 min
Delta R.T.: -0.005 min
Response: 2506804
Conc: 19.49 ug/ml

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