

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022724AR\
 Data File : FD047337.D
 Signal(s) : FID2B.ch
 Acq On : 27 Feb 2024 10:59
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2024
 Supervised By :Ankita Jodhani 02/28/2024

Integration File: autoint1.e
 Quant Time: Feb 28 01:53:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:43:49 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...	7.462	3189068	20.947 ug/ml
Spiked Amount 50.000		Recovery =	41.89%
6) S 2-Fluorobiphenyl (SURR)	8.315	2119220	20.966 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.93%
11) S ortho-Terphenyl (SURR)	11.352	3651147	20.702 ug/ml
Spiked Amount 50.000		Recovery =	41.40%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.278	3298714	20.925 ug/ml
2) T Naphthalene (C11.7)	5.803	3495668	21.033 ug/ml
3) T 2-Methylnaphthalene (...)	6.850	3530964	20.938 ug/ml
5) T Acenaphthylene (C15.06)	8.118	3202351	20.806 ug/ml
7) T Acenaphthene (C15.5)	8.413	3421784	20.759 ug/ml
8) T Flouorene (C16.55)	9.191	3315951	20.915 ug/ml
9) T Phenanthrene (C19.36)	10.579	3190622	20.537 ug/mlm
10) T Anthracene (C19.43)	10.653	2635663	17.873 ug/ml
12) T Fluoranthene (C21.85)	12.382	3223913	20.822 ug/ml
13) T Pyrene (C20.8)	12.676	3084058	20.502 ug/ml
14) T Benzo[a]anthracene (C...	14.541	2714780	20.196 ug/ml
15) T Chrysene (C27.41)	14.582	2894078	19.764 ug/ml
16) T benzo[b]fluoranthene ...	16.084	2791209	20.272 ug/ml
17) T Bnezo[k]fluoranthene ...	16.115	2840972	20.474 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.458	2721124	20.100 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.816	2607260	20.652 ug/ml
20) T Dibenz[a,h]anthracene...	17.857	2617471	19.645 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.067	2735452	20.630 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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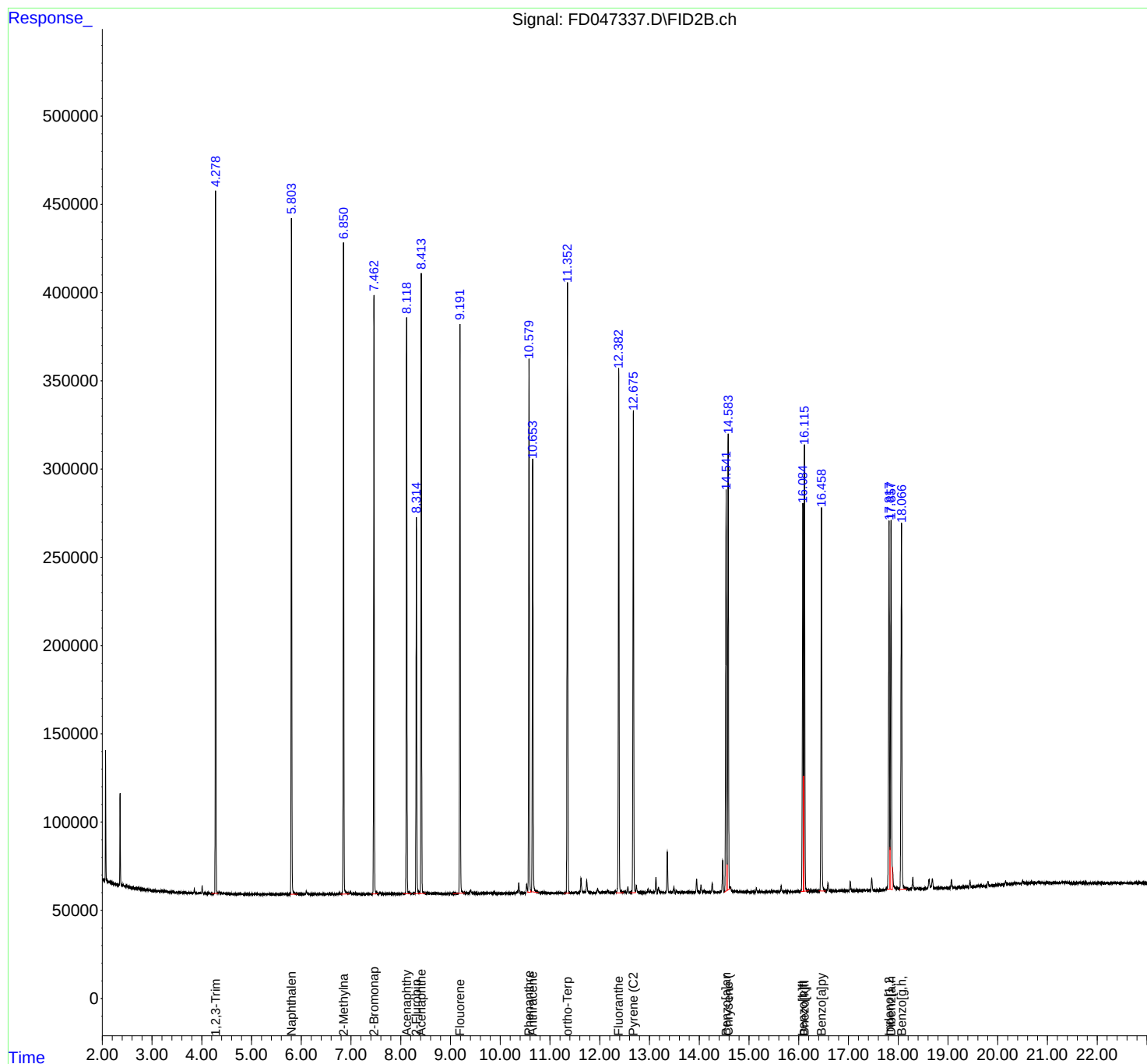
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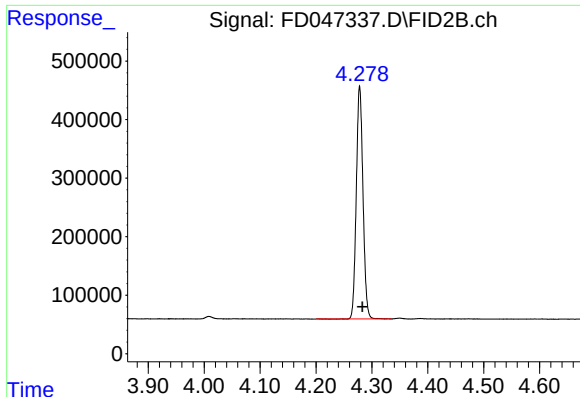
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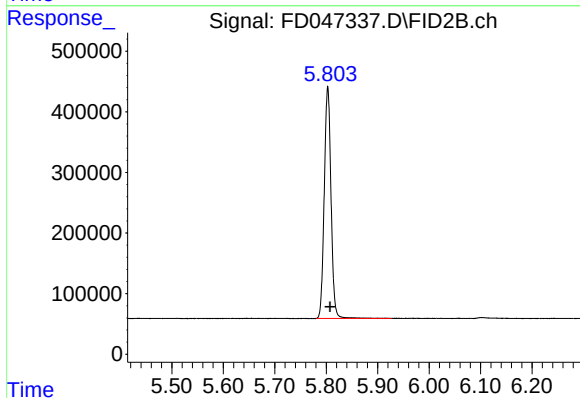
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min
Delta R.T.: -0.005 min
Response: 3298714
Conc: 20.92 ug/ml

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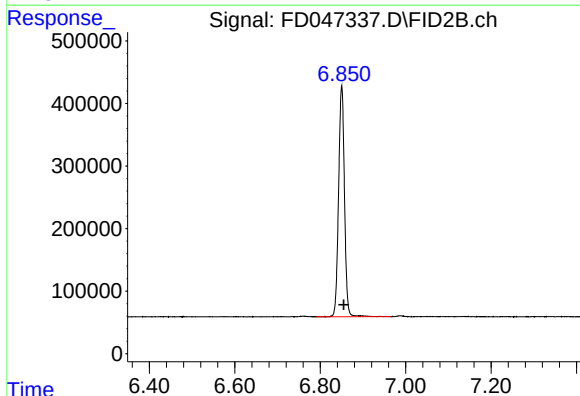
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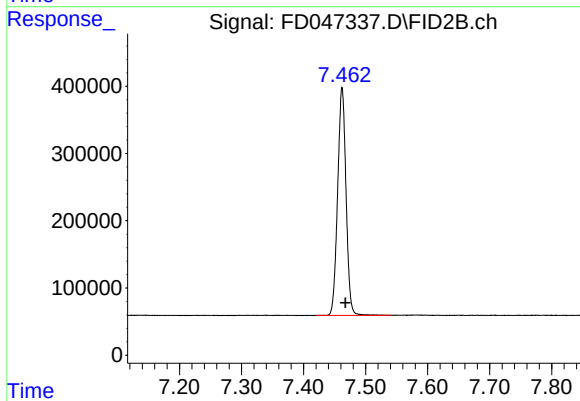
#2 Naphthalene (C11.7)

R.T.: 5.803 min
Delta R.T.: -0.005 min
Response: 3495668
Conc: 21.03 ug/ml



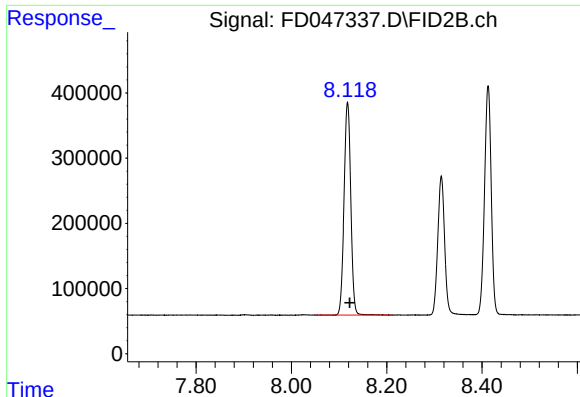
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.850 min
Delta R.T.: -0.005 min
Response: 3530964
Conc: 20.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: -0.005 min
Response: 3189068
Conc: 20.95 ug/ml



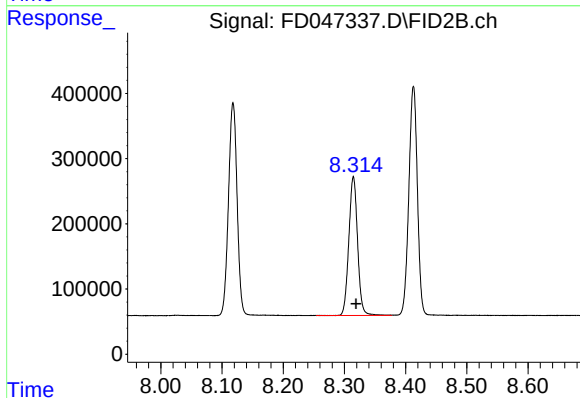
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: -0.005 min
Response: 3202351
Conc: 20.81 ug/ml

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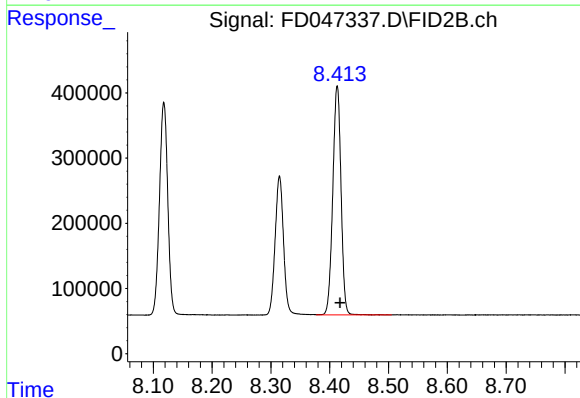
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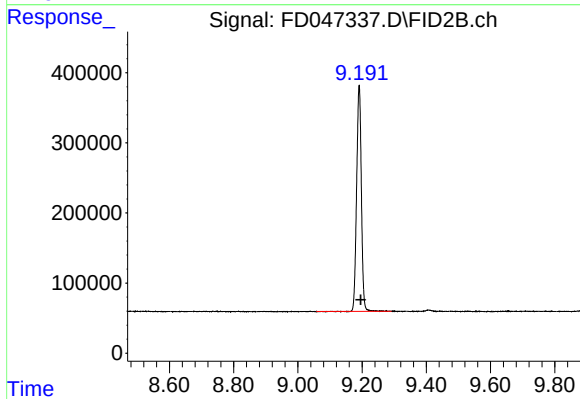
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.315 min
Delta R.T.: -0.005 min
Response: 2119220
Conc: 20.97 ug/ml



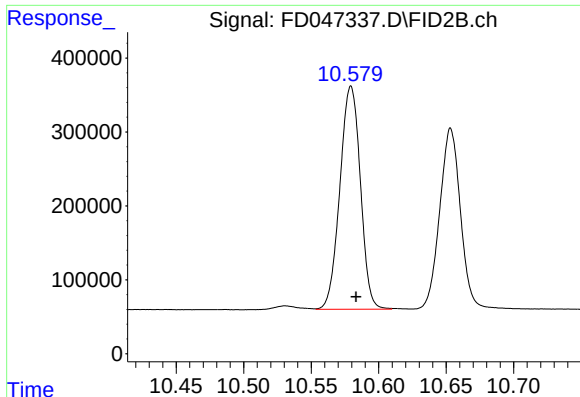
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: -0.005 min
Response: 3421784
Conc: 20.76 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.191 min
Delta R.T.: -0.005 min
Response: 3315951
Conc: 20.91 ug/ml



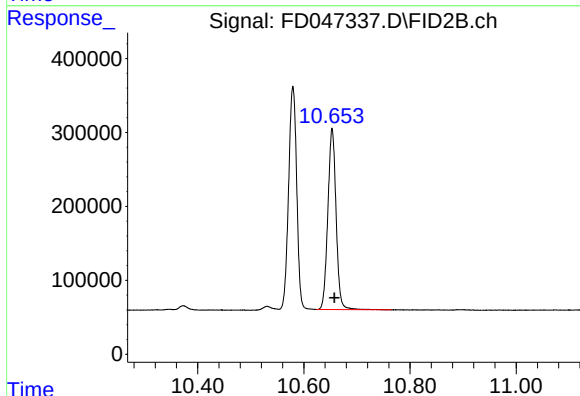
#9 Phenanthrene (C19.36)

R.T.: 10.579 min
Delta R.T.: -0.004 min
Response: 3190622
Conc: 20.54 ug/ml

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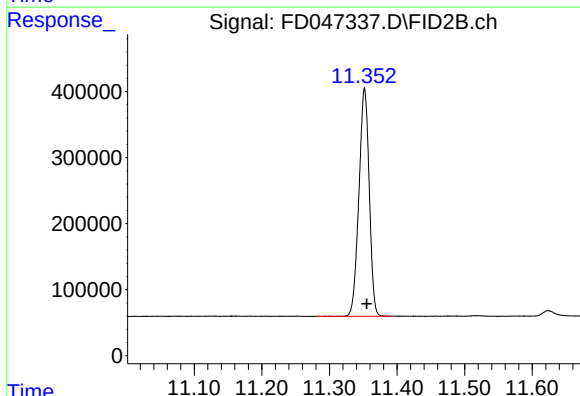
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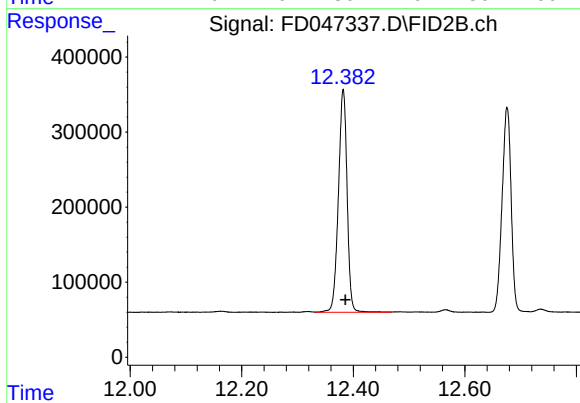
#10 Anthracene (C19.43)

R.T.: 10.653 min
Delta R.T.: -0.004 min
Response: 2635663
Conc: 17.87 ug/ml



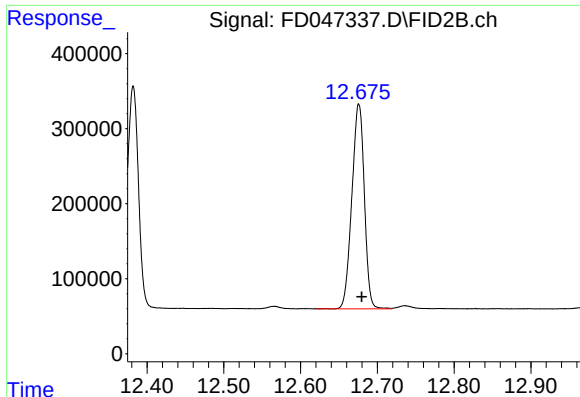
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: -0.003 min
Response: 3651147
Conc: 20.70 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.382 min
Delta R.T.: -0.004 min
Response: 3223913
Conc: 20.82 ug/ml



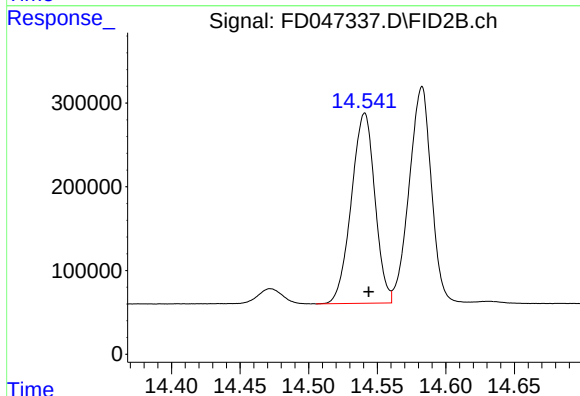
#13 Pyrene (C20.8)

R.T.: 12.676 min
Delta R.T.: -0.004 min
Response: 3084058
Conc: 20.50 ug/ml

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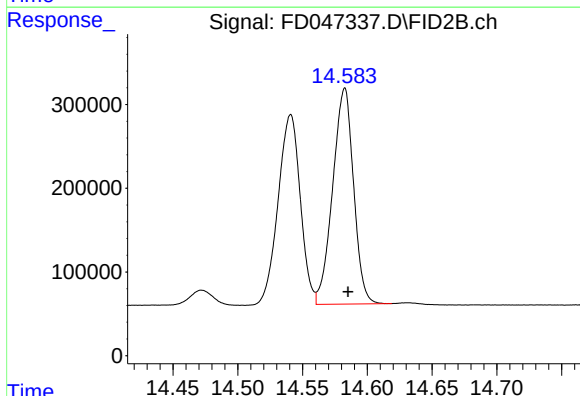
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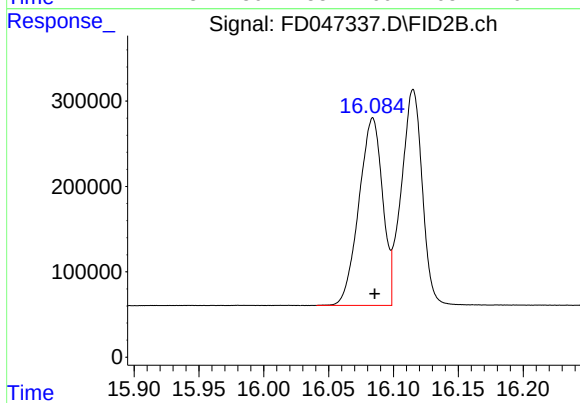
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.541 min
Delta R.T.: -0.003 min
Response: 2714780
Conc: 20.20 ug/ml



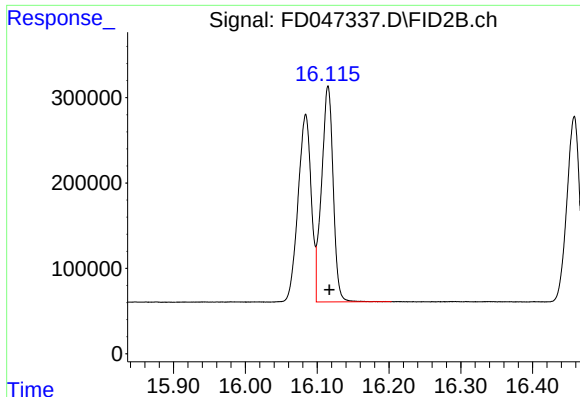
#15 Chrysene (C27.41)

R.T.: 14.582 min
Delta R.T.: -0.003 min
Response: 2894078
Conc: 19.76 ug/ml



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

R.T.: 16.084 min
Delta R.T.: -0.002 min
Response: 2791209
Conc: 20.27 ug/ml



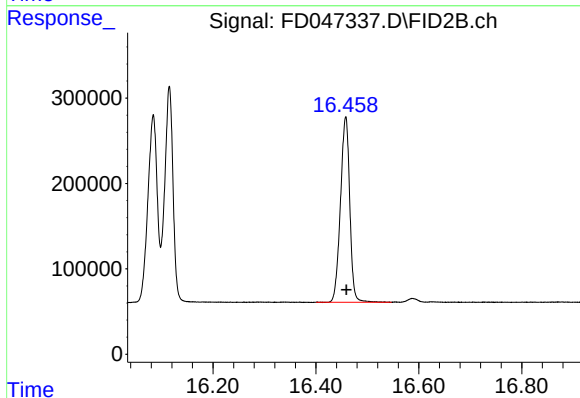
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.115 min
Delta R.T.: -0.002 min
Response: 2840972
Conc: 20.47 ug/ml

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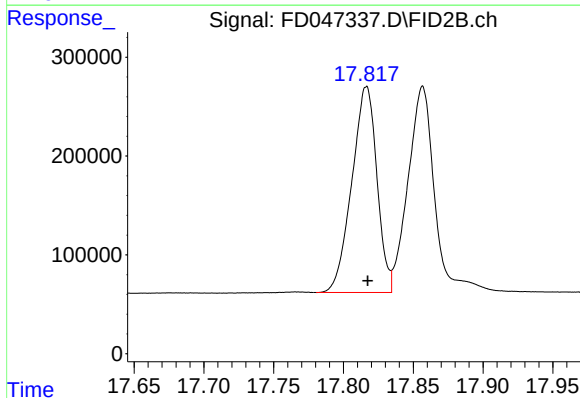
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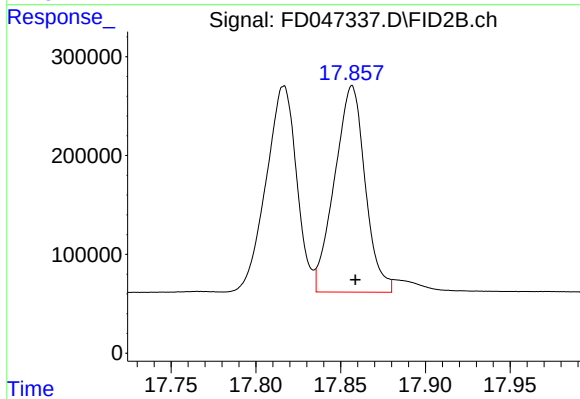
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.458 min
Delta R.T.: -0.002 min
Response: 2721124
Conc: 20.10 ug/ml



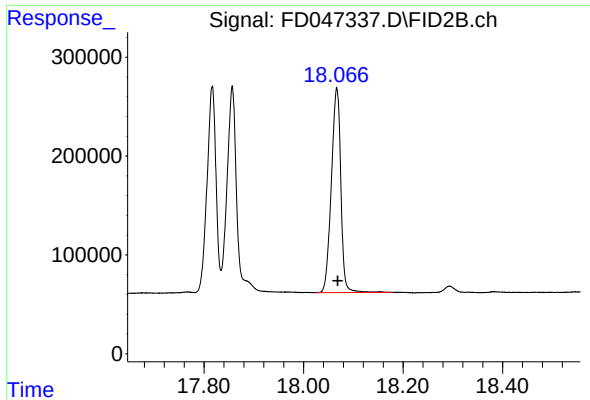
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 2607260
Conc: 20.65 ug/ml



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

R.T.: 17.857 min
Delta R.T.: -0.002 min
Response: 2617471
Conc: 19.64 ug/ml m



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

R.T.: 18.067 min
Delta R.T.: -0.002 min
Response: 2735452
Conc: 20.63 ug/ml

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