

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022624AR\
 Data File : FD047323.D
 Signal(s) : FID2B.ch
 Acq On : 26 Feb 2024 23:20
 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 02/27/2024
 Supervised By :Ankita Jodhani 02/27/2024

Integration File: autoint1.e
 Quant Time: Feb 27 03:08:55 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...	7.463	3619398	23.774 ug/ml
Spiked Amount 50.000		Recovery =	47.55%
6) S 2-Fluorobiphenyl (SURR)	8.316	2396772	23.712 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.42%
11) S ortho-Terphenyl (SURR)	11.353	4108986	23.298 ug/ml
Spiked Amount 50.000		Recovery =	46.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.278	3737846	23.710 ug/ml
2) T Naphthalene (C11.7)	5.803	3942949	23.725 ug/ml
3) T 2-Methylnaphthalene (...)	6.851	4003500	23.740 ug/ml
5) T Acenaphthylene (C15.06)	8.119	3552264	23.079 ug/ml
7) T Acenaphthene (C15.5)	8.414	3853185	23.377 ug/ml
8) T Flouorene (C16.55)	9.192	3761677	23.726 ug/ml
9) T Phenanthrene (C19.36)	10.581	3593280	23.129 ug/ml
10) T Anthracene (C19.43)	10.654	2737961	18.567 ug/ml
12) T Fluoranthene (C21.85)	12.383	3560515	22.996 ug/mlm
13) T Pyrene (C20.8)	12.677	3419401	22.731 ug/ml
14) T Benzo[a]anthracene (C...	14.542	2990218	22.245 ug/ml
15) T Chrysene (C27.41)	14.583	3297164	22.517 ug/ml
16) T benzo[b]fluoranthene ...	16.084	3046472	22.126 ug/ml
17) T Bnezo[k]fluoranthene ...	16.116	3251746	23.435 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.458	2827870	20.889 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.816	2838412	22.483 ug/ml
20) T Dibenz[a,h]anthracene...	17.857	2901807	21.779 ug/ml
21) T Benzo[g,h,i]perylene ...	18.068	2965193	22.363 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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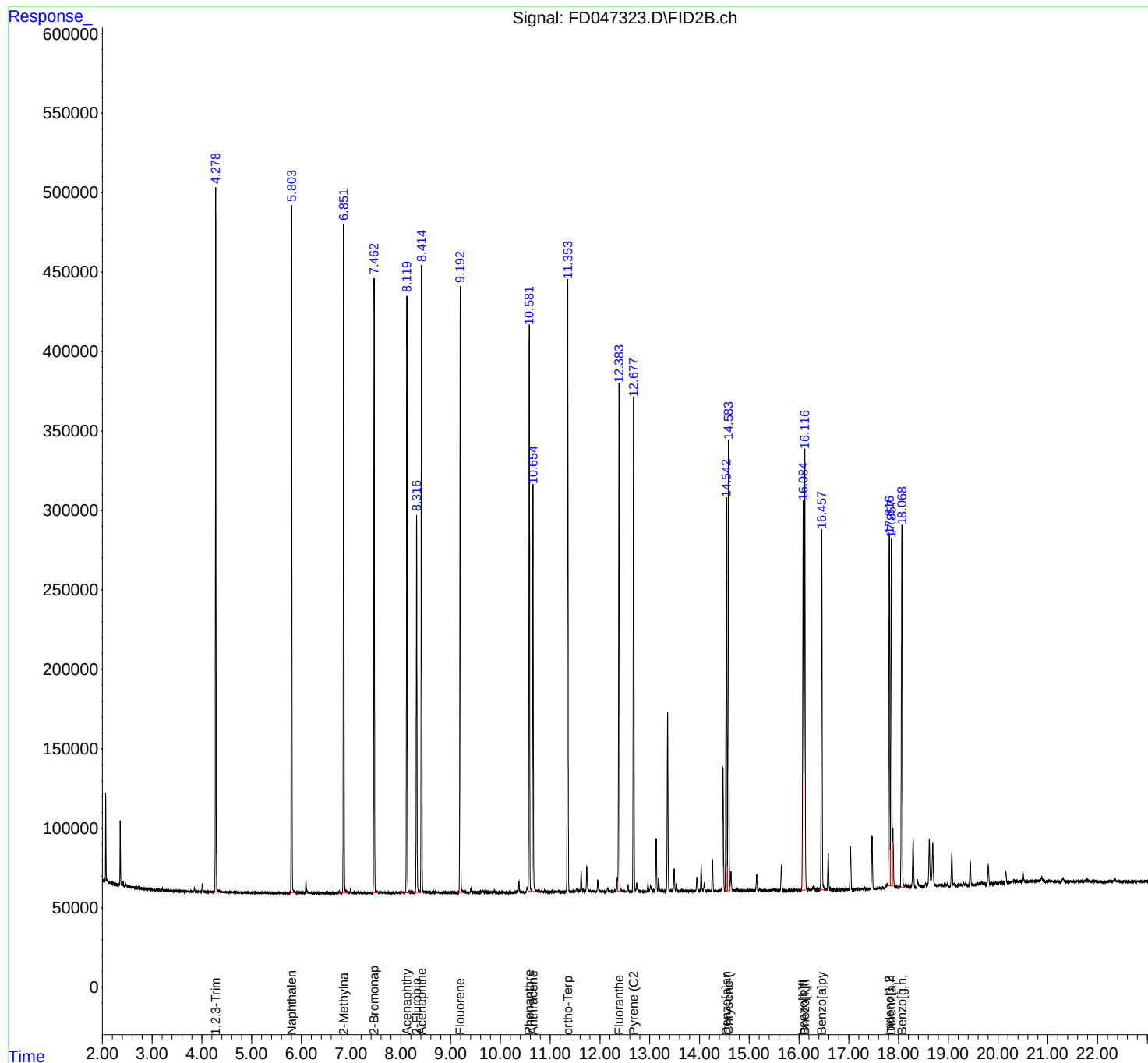
Instrument :
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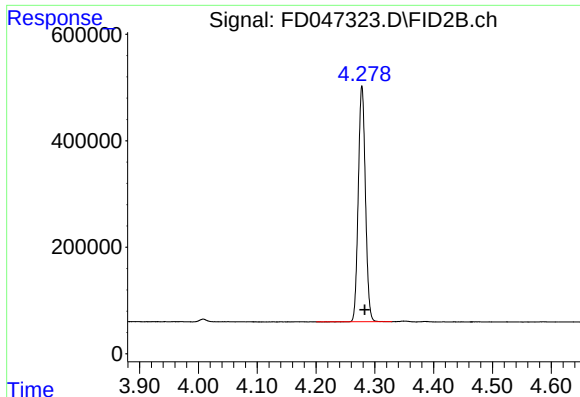
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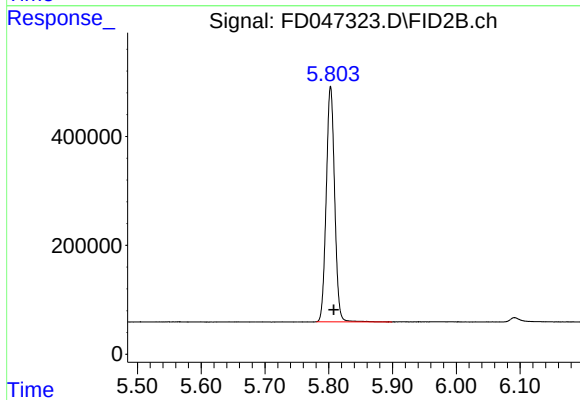
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min
Delta R.T.: -0.005 min
Response: 3737846
Conc: 23.71 ug/ml

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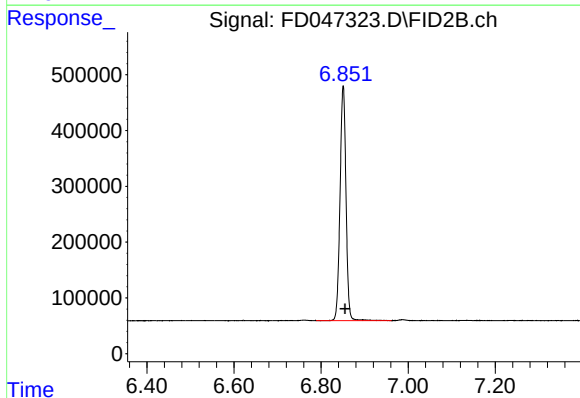
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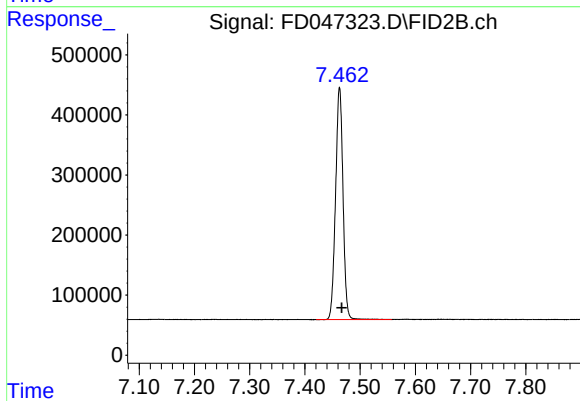
#2 Naphthalene (C11.7)

R.T.: 5.803 min
Delta R.T.: -0.005 min
Response: 3942949
Conc: 23.72 ug/ml



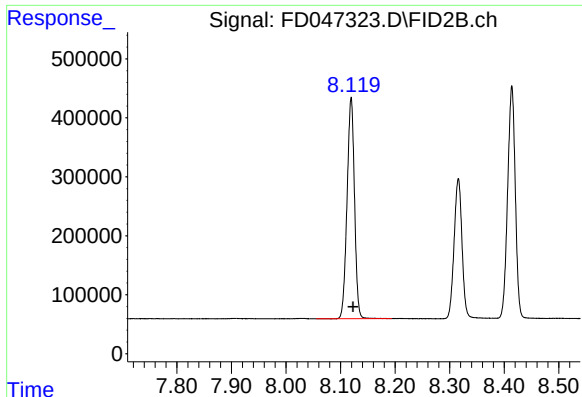
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min
Delta R.T.: -0.004 min
Response: 4003500
Conc: 23.74 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.463 min
Delta R.T.: -0.004 min
Response: 3619398
Conc: 23.77 ug/ml



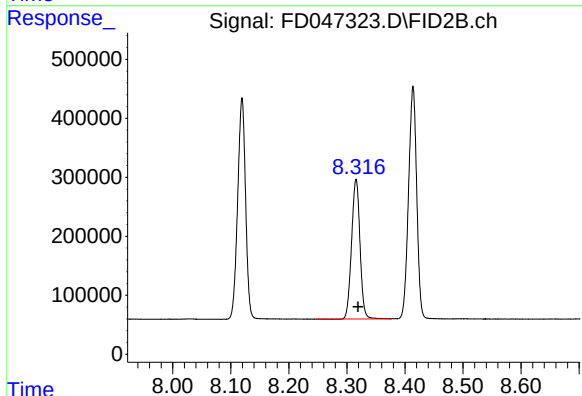
#5 Acenaphthylene (C15.06)

R.T.: 8.119 min
Delta R.T.: -0.004 min
Response: 3552264
Conc: 23.08 ug/ml

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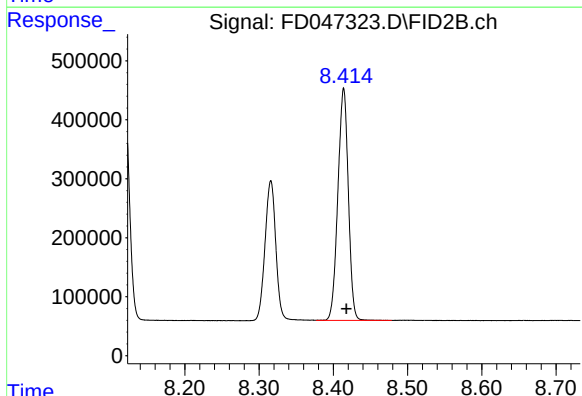
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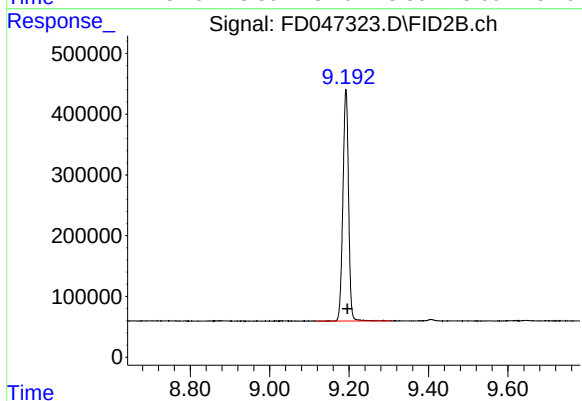
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: -0.003 min
Response: 2396772
Conc: 23.71 ug/ml



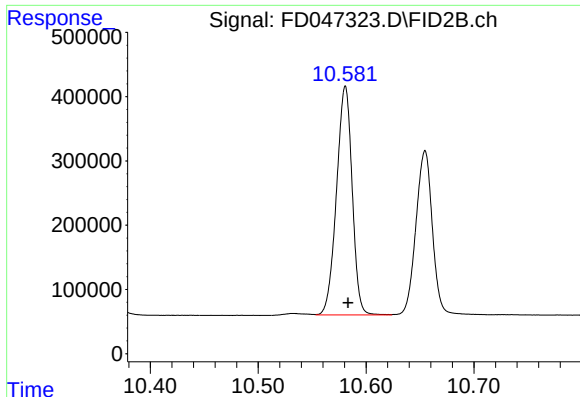
#7 Acenaphthene (C15.5)

R.T.: 8.414 min
Delta R.T.: -0.004 min
Response: 3853185
Conc: 23.38 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.192 min
Delta R.T.: -0.004 min
Response: 3761677
Conc: 23.73 ug/ml



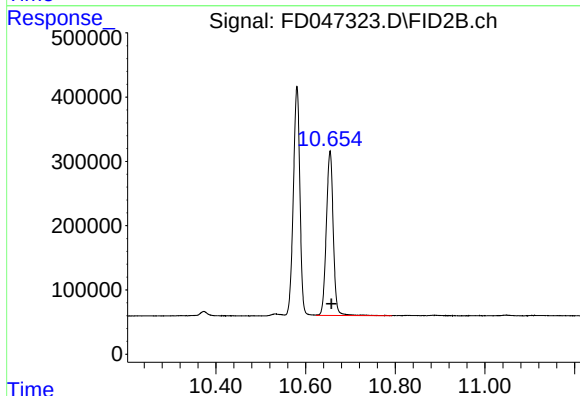
#9 Phenanthrene (C19.36)

R.T.: 10.581 min
Delta R.T.: -0.003 min
Response: 3593280
Conc: 23.13 ug/ml

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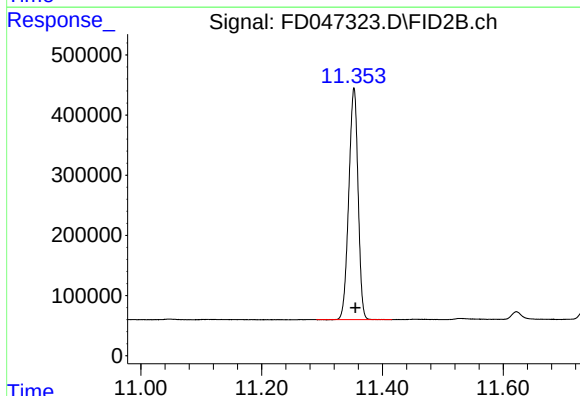
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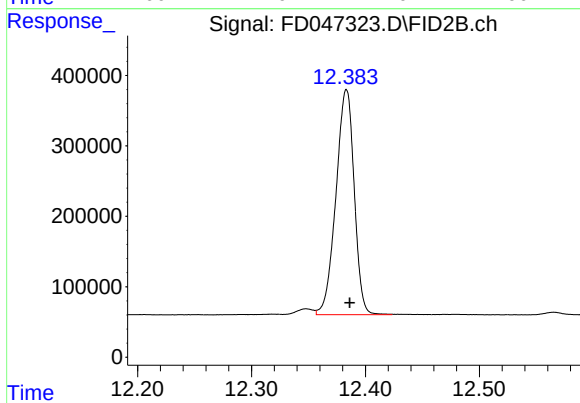
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: -0.003 min
Response: 2737961
Conc: 18.57 ug/ml



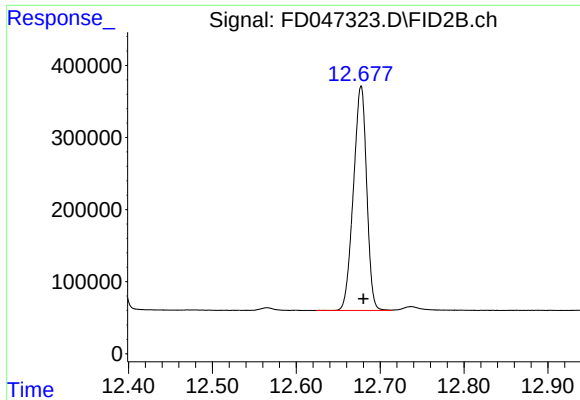
#11 ortho-Terphenyl (SURR)

R.T.: 11.353 min
Delta R.T.: -0.002 min
Response: 4108986
Conc: 23.30 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: -0.003 min
Response: 3560515
Conc: 23.00 ug/ml m



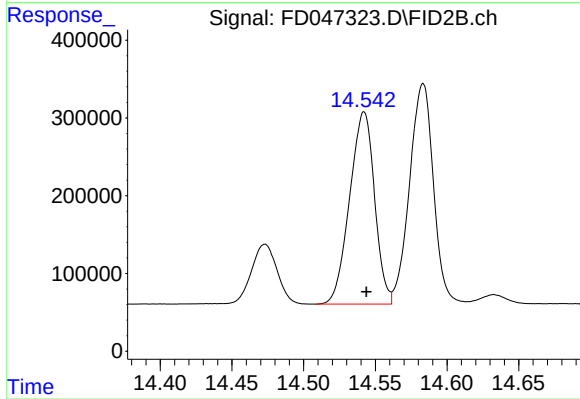
#13 Pyrene (C20.8)

R.T.: 12.677 min
Delta R.T.: -0.003 min
Response: 3419401
Conc: 22.73 ug/ml

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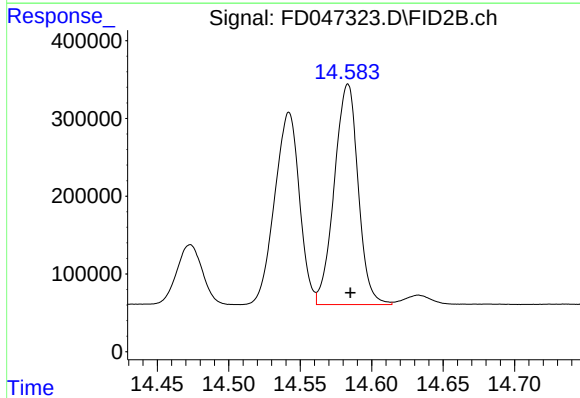
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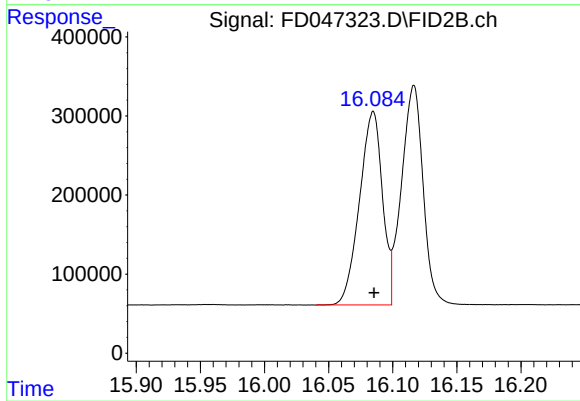
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.542 min
Delta R.T.: -0.002 min
Response: 2990218
Conc: 22.24 ug/ml



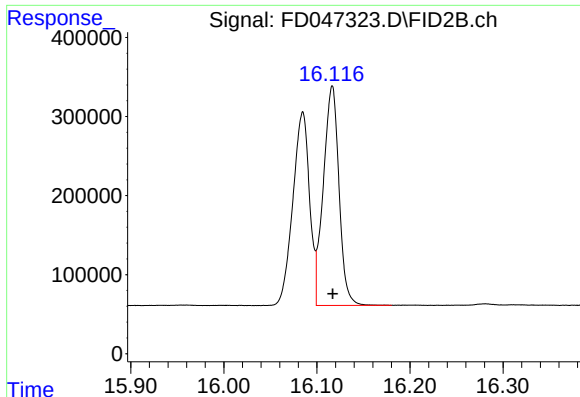
#15 Chrysene (C27.41)

R.T.: 14.583 min
Delta R.T.: -0.002 min
Response: 3297164
Conc: 22.52 ug/ml



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

R.T.: 16.084 min
Delta R.T.: -0.001 min
Response: 3046472
Conc: 22.13 ug/ml



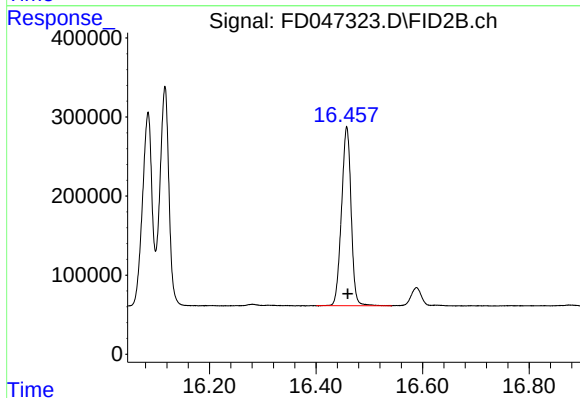
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.116 min
Delta R.T.: 0.000 min
Response: 3251746
Conc: 23.43 ug/ml

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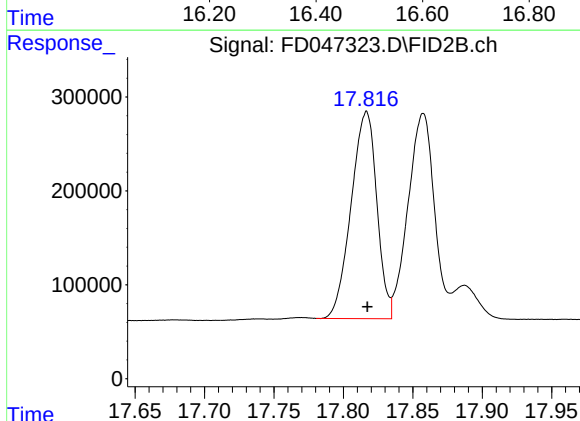
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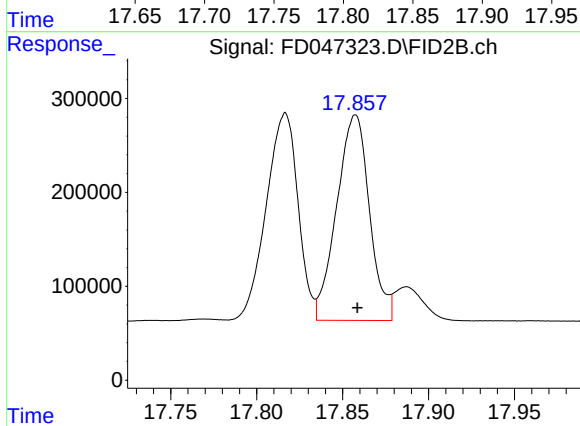
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.458 min
Delta R.T.: -0.002 min
Response: 2827870
Conc: 20.89 ug/ml



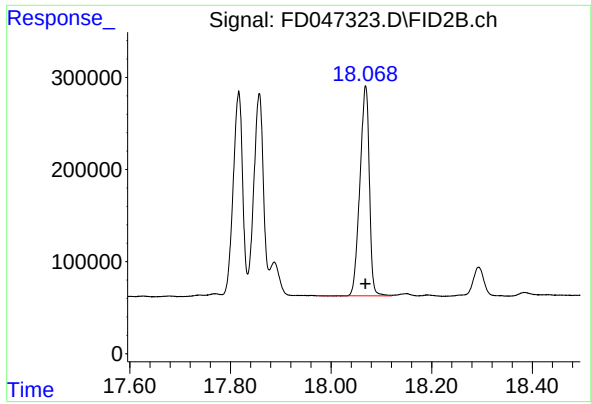
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 2838412
Conc: 22.48 ug/ml



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

R.T.: 17.857 min
Delta R.T.: -0.002 min
Response: 2901807
Conc: 21.78 ug/ml



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

R.T.: 18.068 min
Delta R.T.: 0.000 min
Response: 2965193
Conc: 22.36 ug/ml

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