

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031924AR\
 Data File : FD047397.D
 Signal(s) : FID2B.ch
 Acq On : 20 Mar 2024 01:44
 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 03/20/2024
 Supervised By :Ankita Jodhani 03/20/2024

Integration File: autoint1.e
 Quant Time: Mar 20 05:14:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030424.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 04 13:13:44 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...	7.455	3384332	20.491 ug/ml
Spiked Amount 50.000		Recovery =	40.98%
6) S 2-Fluorobiphenyl (SURR)	8.306	2218053	20.845 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.69%
11) S ortho-Terphenyl (SURR)	11.340	3866077	20.716 ug/ml
Spiked Amount 50.000		Recovery =	41.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.272	3631306	20.432 ug/ml
2) T Naphthalene (C11.7)	5.796	3734476	20.478 ug/ml
3) T 2-Methylnaphthalene (...)	6.843	3737982	20.496 ug/mlm
5) T Acenaphthylene (C15.06)	8.110	3413761	20.476 ug/ml
7) T Acenaphthene (C15.5)	8.405	3615530	20.522 ug/ml
8) T Flouorene (C16.55)	9.182	3496703	20.758 ug/ml
9) T Phenanthrene (C19.36)	10.569	3369573	20.806 ug/ml
10) T Anthracene (C19.43)	10.643	3040240	20.658 ug/ml
12) T Fluoranthene (C21.85)	12.370	3323689	20.848 ug/ml
13) T Pyrene (C20.8)	12.663	3222519	20.829 ug/ml
14) T Benzo[a]anthracene (C...	14.526	2840817	20.956 ug/ml
15) T Chrysene (C27.41)	14.568	3038738	20.470 ug/ml
16) T benzo[b]fluoranthene ...	16.068	2908657	20.720 ug/ml
17) T Bnezo[k]fluoranthene ...	16.100	2925985	20.662 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.442	2851472	20.642 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.799	2722942	21.787 ug/ml
20) T Dibenz[a,h]anthracene...	17.841	2845985	21.581 ug/ml
21) T Benzo[g,h,i]perylene ...	18.051	2843612	21.164 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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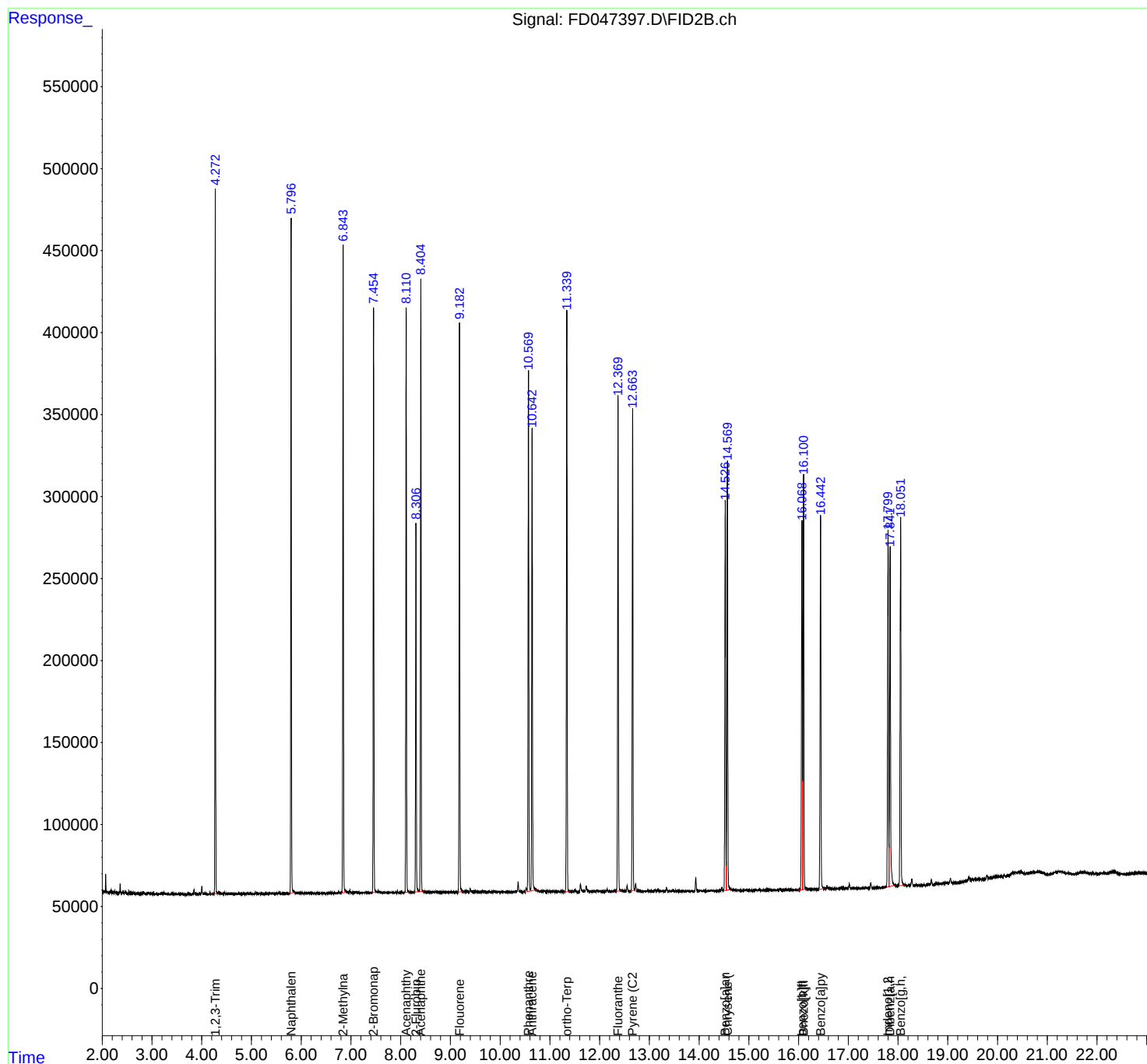
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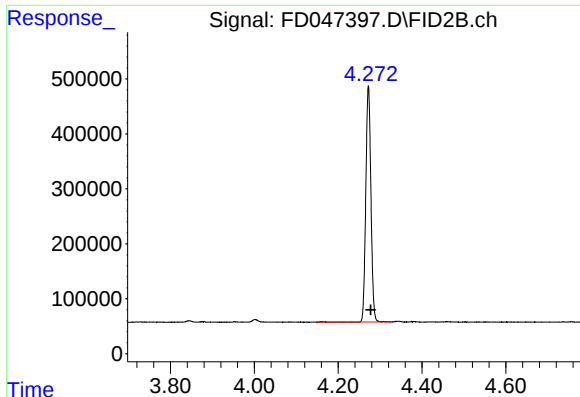
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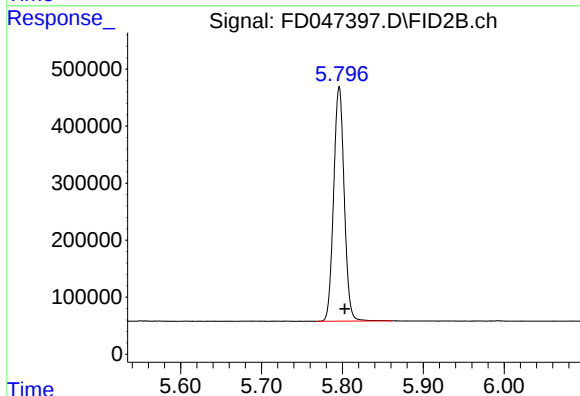
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.272 min
Delta R.T.: -0.006 min
Response: 3631306
Conc: 20.43 ug/ml

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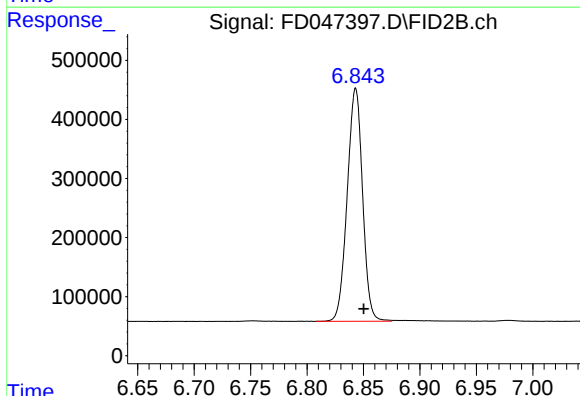
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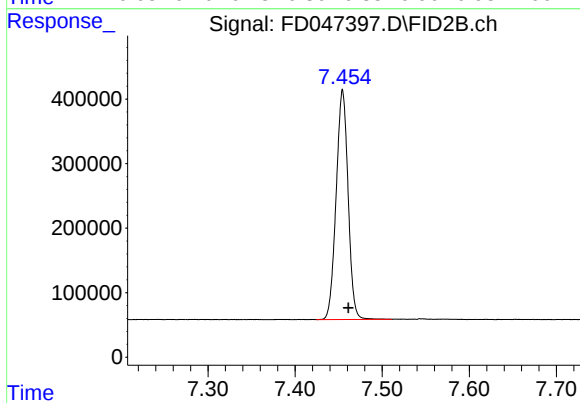
#2 Naphthalene (C11.7)

R.T.: 5.796 min
Delta R.T.: -0.007 min
Response: 3734476
Conc: 20.48 ug/ml



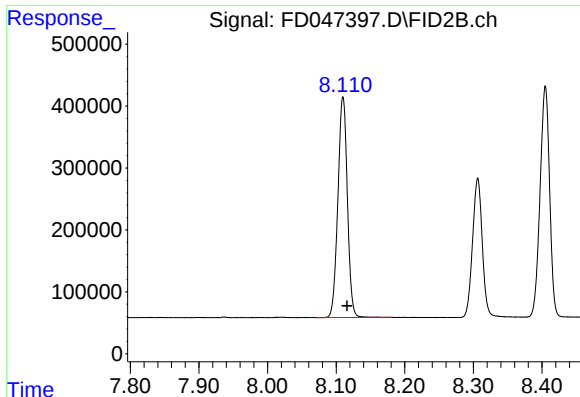
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.843 min
Delta R.T.: -0.008 min
Response: 3737982
Conc: 20.50 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 3384332
Conc: 20.49 ug/ml



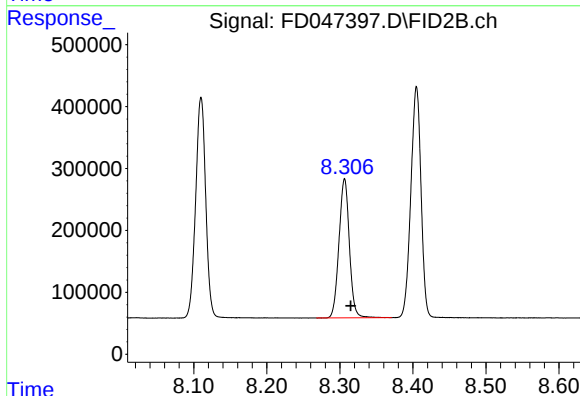
#5 Acenaphthylene (C15.06)

R.T.: 8.110 min
Delta R.T.: -0.006 min
Response: 3413761
Conc: 20.48 ug/ml

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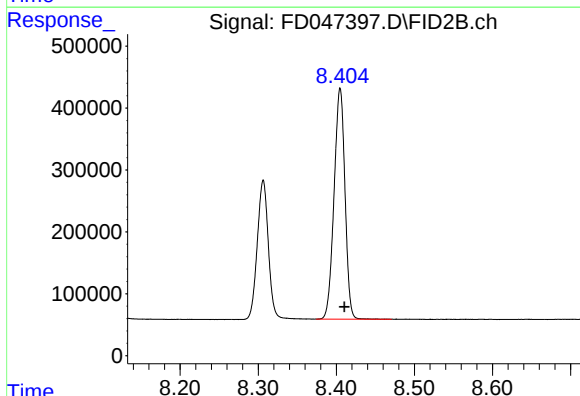
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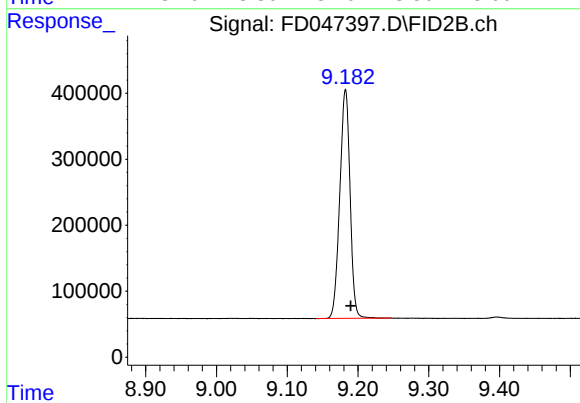
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.306 min
Delta R.T.: -0.008 min
Response: 2218053
Conc: 20.85 ug/ml



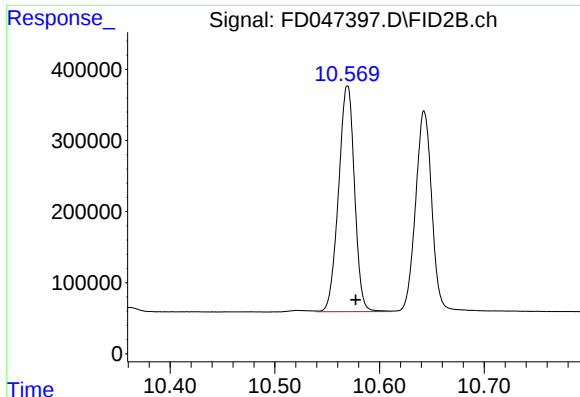
#7 Acenaphthene (C15.5)

R.T.: 8.405 min
Delta R.T.: -0.005 min
Response: 3615530
Conc: 20.52 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.182 min
Delta R.T.: -0.008 min
Response: 3496703
Conc: 20.76 ug/ml



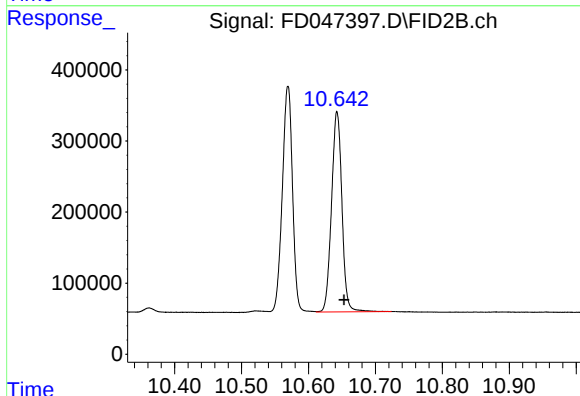
#9 Phenanthrene (C19.36)

R.T.: 10.569 min
Delta R.T.: -0.008 min
Response: 3369573
Conc: 20.81 ug/ml

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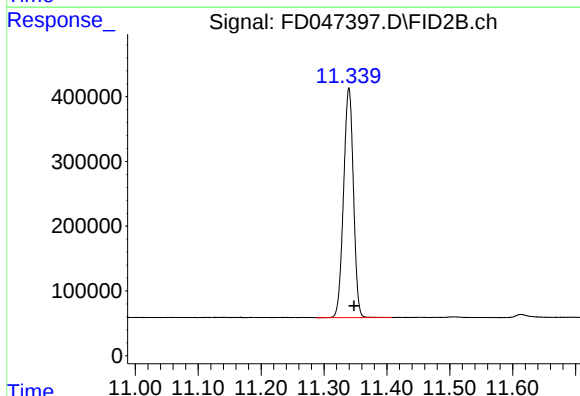
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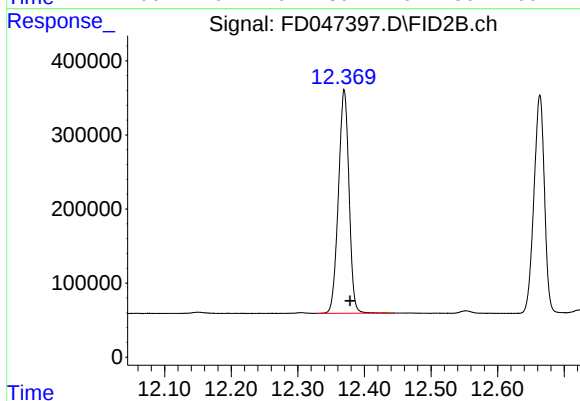
#10 Anthracene (C19.43)

R.T.: 10.643 min
Delta R.T.: -0.010 min
Response: 3040240
Conc: 20.66 ug/ml



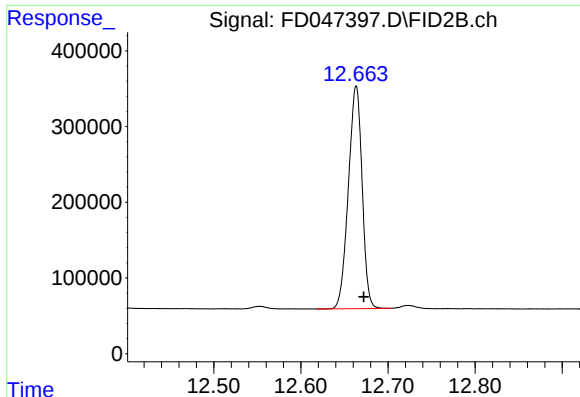
#11 ortho-Terphenyl (SURR)

R.T.: 11.340 min
Delta R.T.: -0.008 min
Response: 3866077
Conc: 20.72 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.370 min
Delta R.T.: -0.009 min
Response: 3323689
Conc: 20.85 ug/ml



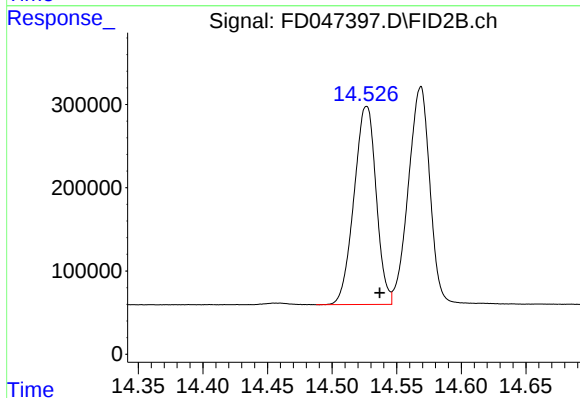
#13 Pyrene (C20.8)

R.T.: 12.663 min
Delta R.T.: -0.009 min
Response: 3222519
Conc: 20.83 ug/ml

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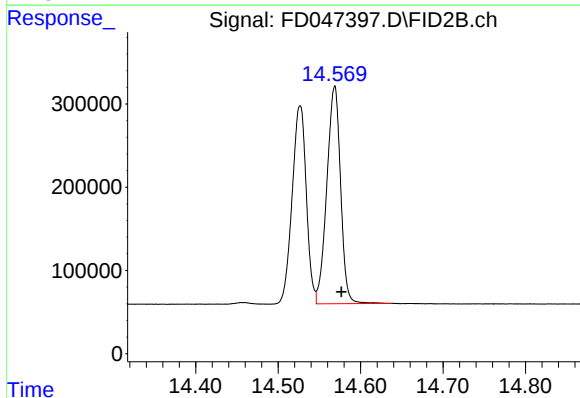
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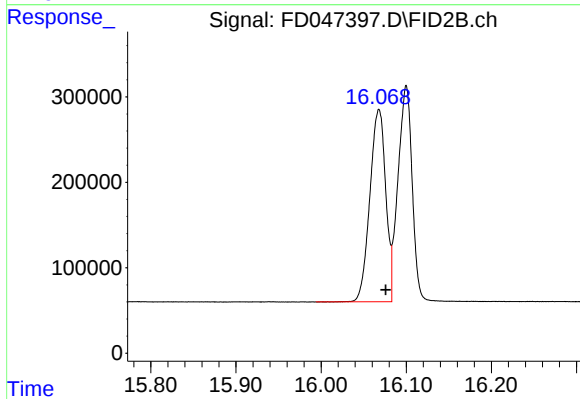
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.526 min
Delta R.T.: -0.010 min
Response: 2840817
Conc: 20.96 ug/ml



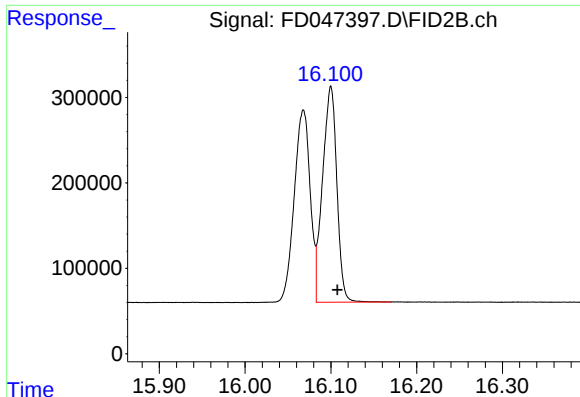
#15 Chrysene (C27.41)

R.T.: 14.568 min
Delta R.T.: -0.009 min
Response: 3038738
Conc: 20.47 ug/ml



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

R.T.: 16.068 min
Delta R.T.: -0.008 min
Response: 2908657
Conc: 20.72 ug/ml



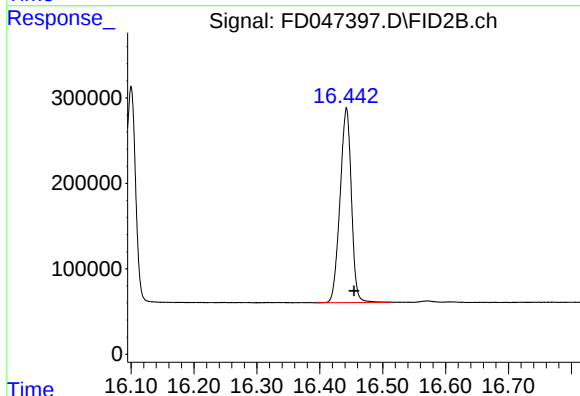
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.100 min
Delta R.T.: -0.008 min
Response: 2925985
Conc: 20.66 ug/ml

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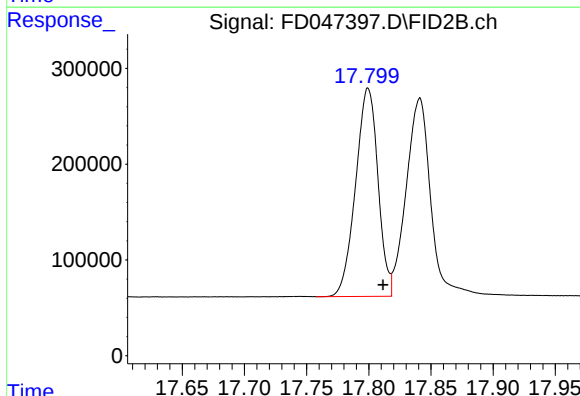
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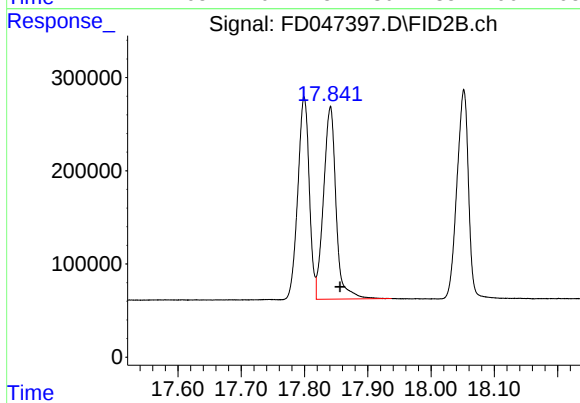
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.442 min
Delta R.T.: -0.012 min
Response: 2851472
Conc: 20.64 ug/ml



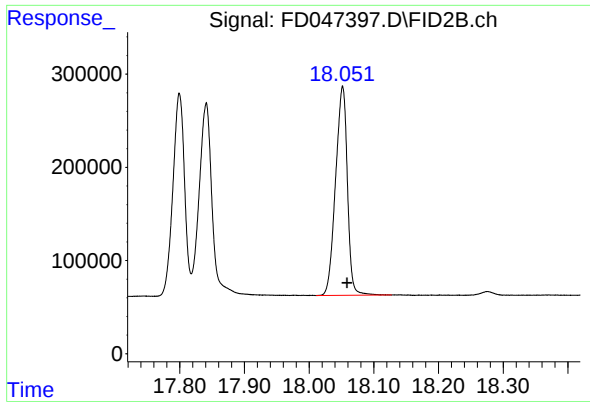
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.799 min
Delta R.T.: -0.012 min
Response: 2722942
Conc: 21.79 ug/ml



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

R.T.: 17.841 min
Delta R.T.: -0.015 min
Response: 2845985
Conc: 21.58 ug/ml



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

R.T.: 18.051 min
Delta R.T.: -0.007 min
Response: 2843612
Conc: 21.16 ug/ml

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