

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022224AR\
 Data File : FD047294.D
 Signal(s) : FID2B.ch
 Acq On : 23 Feb 2024 05:57
 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 02/23/2024
 Supervised By :Ankita Jodhani 02/23/2024

Integration File: autoint1.e
 Quant Time: Feb 23 06:27:22 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...	7.464	3536620	23.230 ug/ml
Spiked Amount 50.000		Recovery =	46.46%
6) S 2-Fluorobiphenyl (SURR)	8.317	2346419	23.214 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.43%
11) S ortho-Terphenyl (SURR)	11.355	4016693	22.774 ug/ml
Spiked Amount 50.000		Recovery =	45.55%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.278	3713379	23.555 ug/ml
2) T Naphthalene (C11.7)	5.804	3882620	23.362 ug/ml
3) T 2-Methylnaphthalene (...)	6.852	3925238	23.276 ug/ml
5) T Acenaphthylene (C15.06)	8.120	3487793	22.661 ug/ml
7) T Acenaphthene (C15.5)	8.415	3751666	22.761 ug/ml
8) T Flouorene (C16.55)	9.193	3664492	23.113 ug/ml
9) T Phenanthrene (C19.36)	10.582	3547587	22.835 ug/ml
10) T Anthracene (C19.43)	10.656	2710011	18.377 ug/ml
12) T Fluoranthene (C21.85)	12.386	3679642	23.765 ug/ml
13) T Pyrene (C20.8)	12.680	3429375	22.797 ug/ml
14) T Benzo[a]anthracene (C...	14.544	3068306	22.826 ug/ml
15) T Chrysene (C27.41)	14.586	3388653	23.141 ug/ml
16) T benzo[b]fluoranthene ...	16.087	3151608	22.890 ug/ml
17) T Bnezo[k]fluoranthene ...	16.120	3358690	24.205 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.461	2926569	21.618 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.821	2925558	23.173 ug/ml
20) T Dibenz[a,h]anthracene...	17.861	3033618	22.768 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.073	3028540	22.841 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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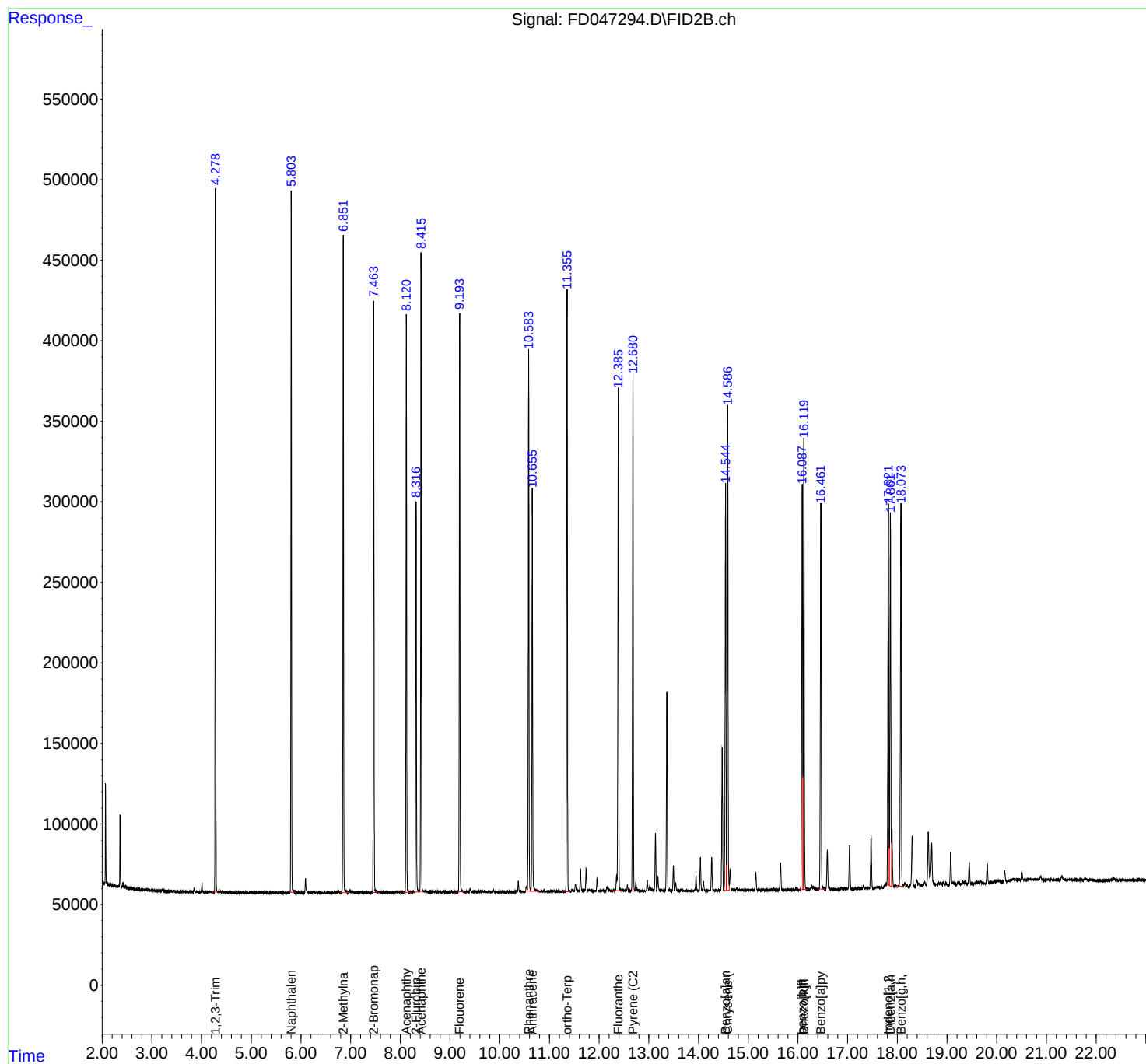
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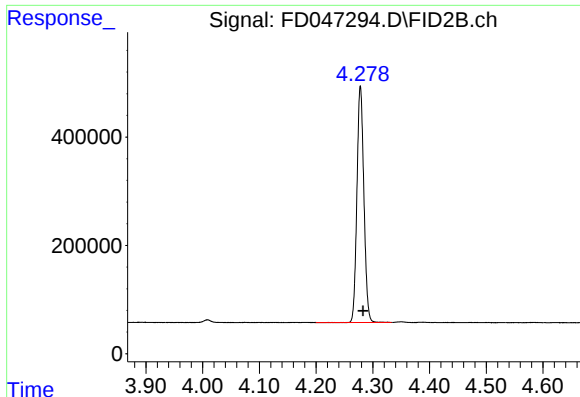
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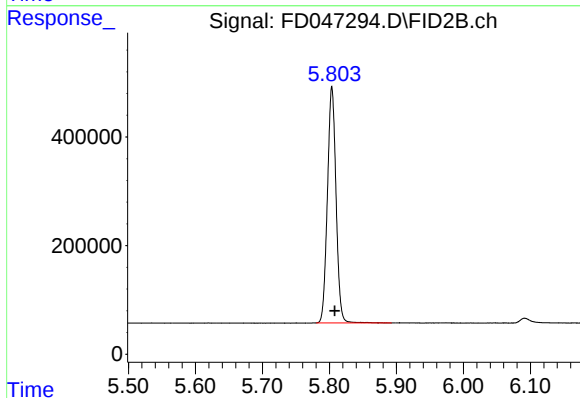
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min
Delta R.T.: -0.005 min
Response: 3713379
Conc: 23.55 ug/ml

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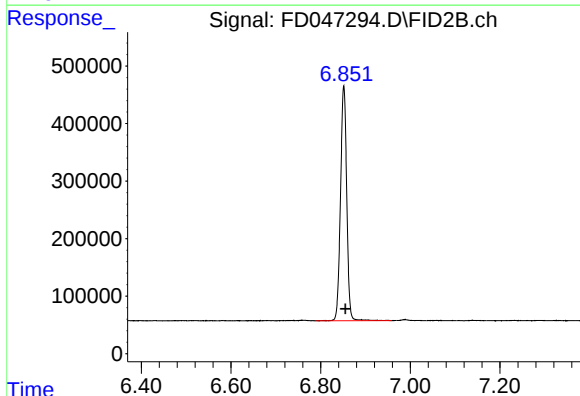
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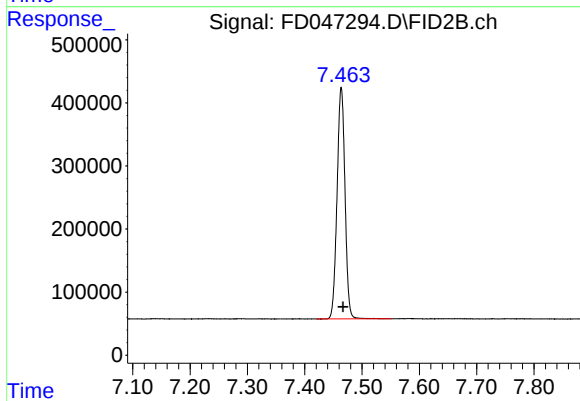
#2 Naphthalene (C11.7)

R.T.: 5.804 min
Delta R.T.: -0.004 min
Response: 3882620
Conc: 23.36 ug/ml



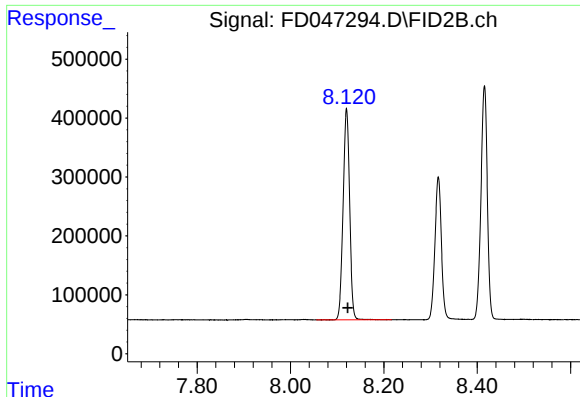
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.852 min
Delta R.T.: -0.003 min
Response: 3925238
Conc: 23.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.464 min
Delta R.T.: -0.003 min
Response: 3536620
Conc: 23.23 ug/ml



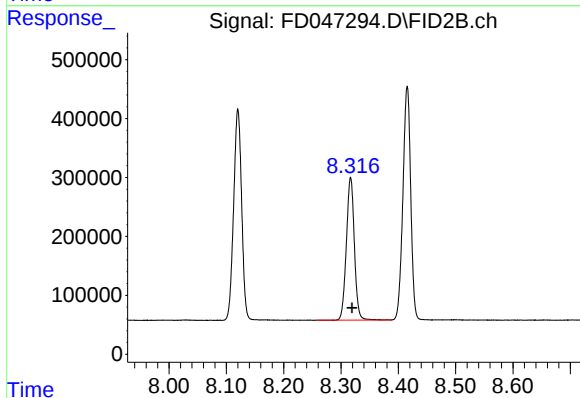
#5 Acenaphthylene (C15.06)

R.T.: 8.120 min
Delta R.T.: -0.003 min
Response: 3487793
Conc: 22.66 ug/ml

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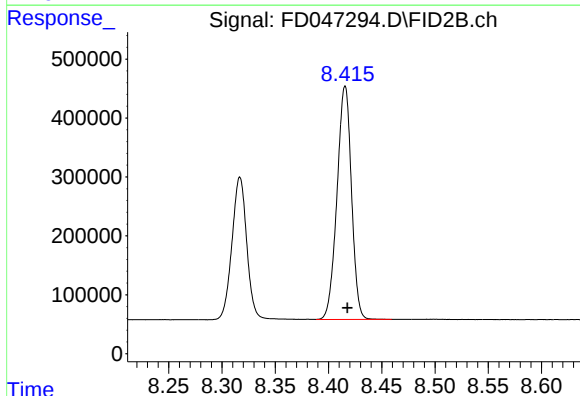
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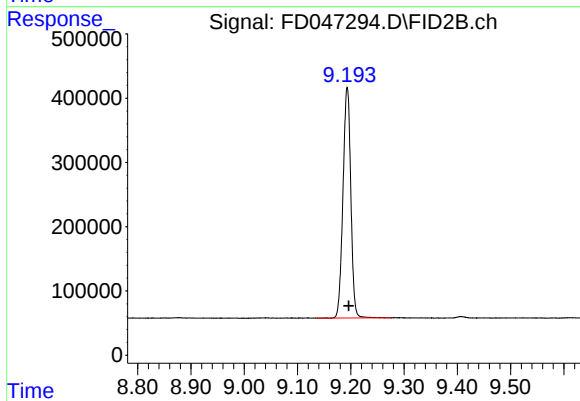
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.317 min
Delta R.T.: -0.002 min
Response: 2346419
Conc: 23.21 ug/ml



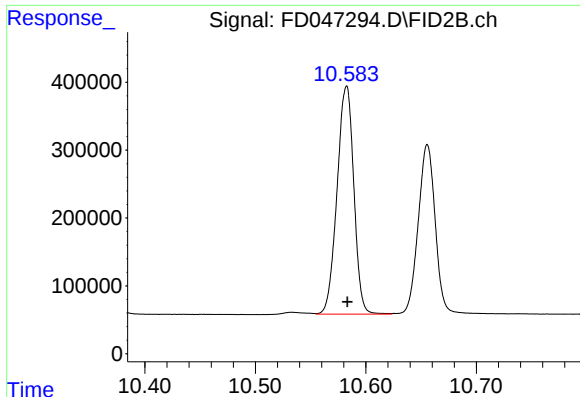
#7 Acenaphthene (C15.5)

R.T.: 8.415 min
Delta R.T.: -0.002 min
Response: 3751666
Conc: 22.76 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.193 min
Delta R.T.: -0.003 min
Response: 3664492
Conc: 23.11 ug/ml



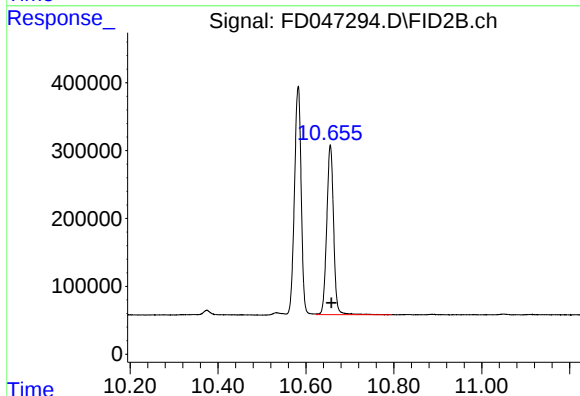
#9 Phenanthrene (C19.36)

R.T.: 10.582 min
Delta R.T.: 0.000 min
Response: 3547587
Conc: 22.84 ug/ml

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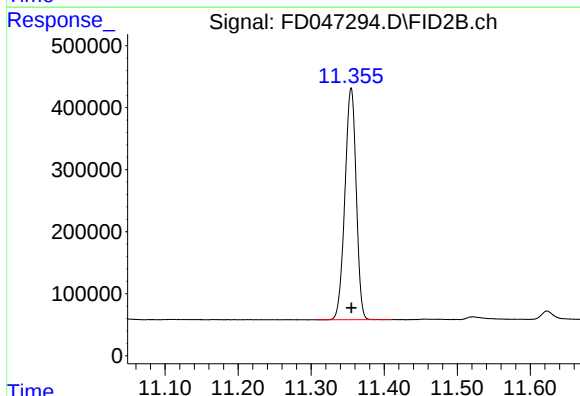
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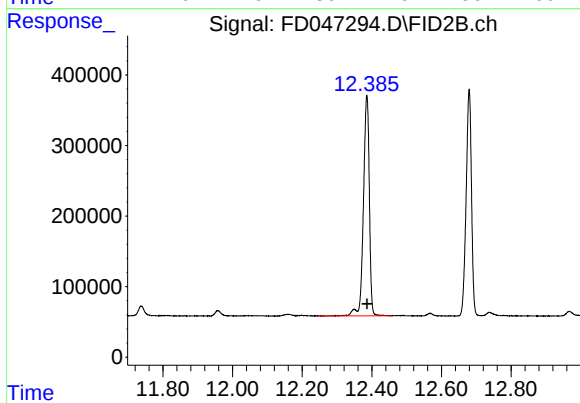
#10 Anthracene (C19.43)

R.T.: 10.656 min
Delta R.T.: -0.002 min
Response: 2710011
Conc: 18.38 ug/ml



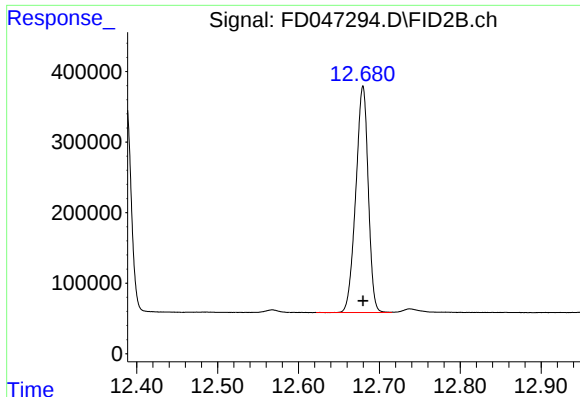
#11 ortho-Terphenyl (SURR)

R.T.: 11.355 min
Delta R.T.: 0.000 min
Response: 4016693
Conc: 22.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 3679642
Conc: 23.77 ug/ml



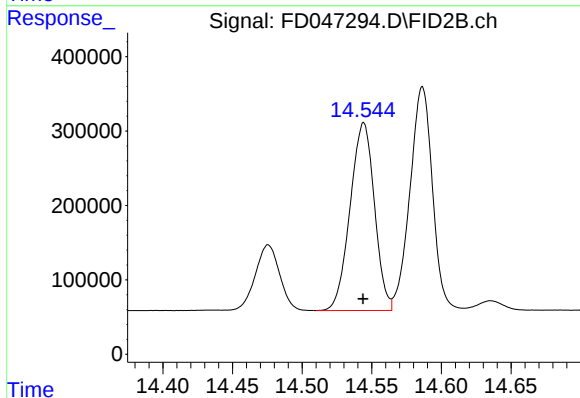
#13 Pyrene (C20.8)

R.T.: 12.680 min
Delta R.T.: 0.000 min
Response: 3429375
Conc: 22.80 ug/ml

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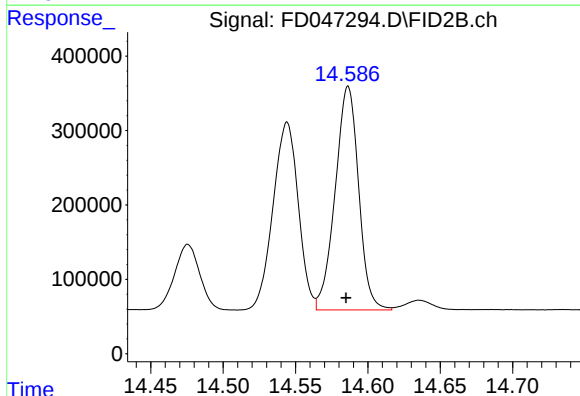
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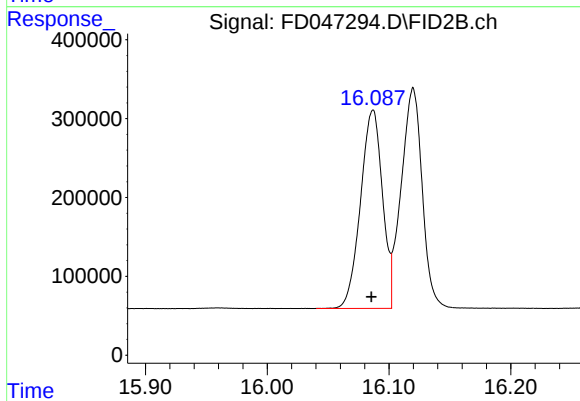
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.544 min
Delta R.T.: 0.000 min
Response: 3068306
Conc: 22.83 ug/ml



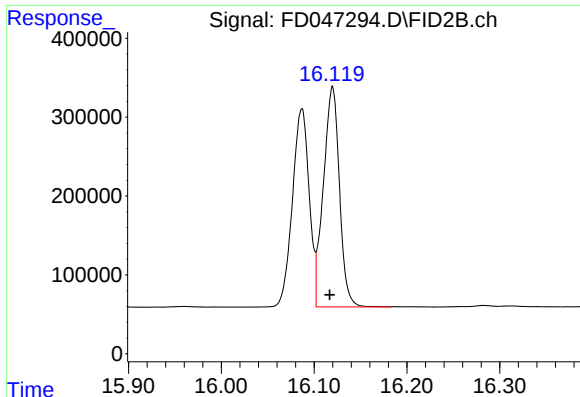
#15 Chrysene (C27.41)

R.T.: 14.586 min
Delta R.T.: 0.001 min
Response: 3388653
Conc: 23.14 ug/ml



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

R.T.: 16.087 min
Delta R.T.: 0.000 min
Response: 3151608
Conc: 22.89 ug/ml



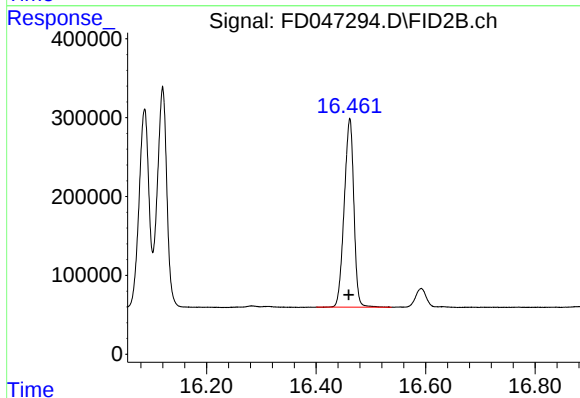
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.120 min
Delta R.T.: 0.003 min
Response: 3358690
Conc: 24.21 ug/ml

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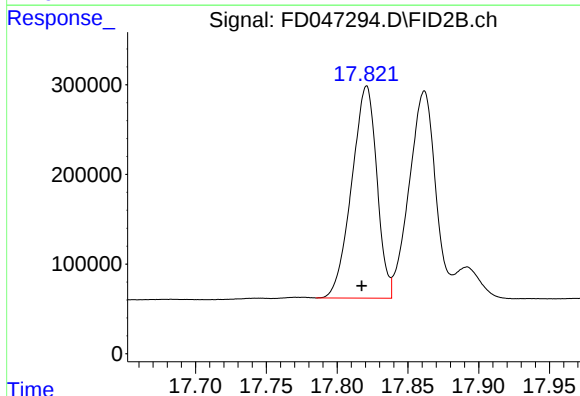
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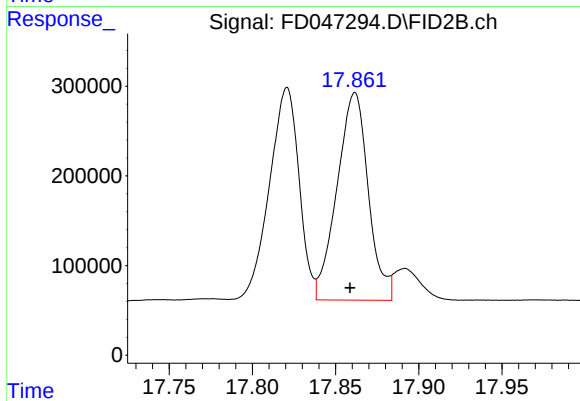
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.461 min
Delta R.T.: 0.002 min
Response: 2926569
Conc: 21.62 ug/ml



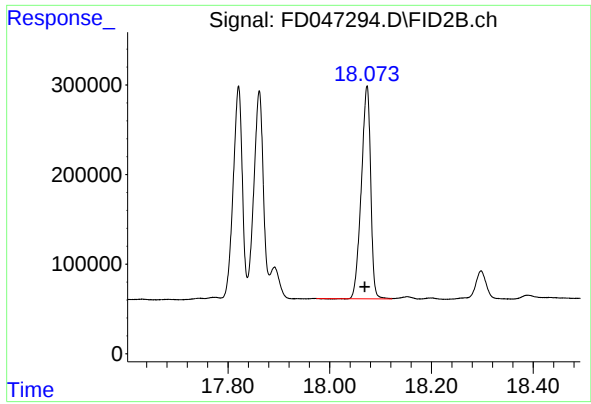
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.821 min
Delta R.T.: 0.003 min
Response: 2925558
Conc: 23.17 ug/ml



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

R.T.: 17.861 min
Delta R.T.: 0.003 min
Response: 3033618
Conc: 22.77 ug/ml m



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

R.T.: 18.073 min
Delta R.T.: 0.004 min
Response: 3028540
Conc: 22.84 ug/ml

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