

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD051024AR\
 Data File : FD047709.D
 Signal(s) : FID2B.ch
 Acq On : 10 May 2024 19:03
 Operator : YP/AJ
 Sample : PB160845BSD
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB160845BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/13/2024
 Supervised By :Ankita Jodhani 05/13/2024

Integration File: autoint1.e
 Quant Time: May 11 00:56:38 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042924.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 17:13:11 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	7745133	49.386 ug/ml
Spiked Amount 50.000		Recovery =	98.77%
6) S 2-Fluorobiphenyl (SURR)	8.317	4871570	46.572 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	93.14%
11) S ortho-Terphenyl (SURR)	11.357	7785912	41.517 ug/ml
Spiked Amount 50.000		Recovery =	83.03%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.274	7189931	44.470 ug/ml
2) T Naphthalene (C11.7)	5.800	8723894	51.558 ug/ml
3) T 2-Methylnaphthalene (...)	6.851	9184793	53.920 ug/ml
5) T Acenaphthylene (C15.06)	8.122	9727791	59.649 ug/ml
7) T Acenaphthene (C15.5)	8.418	9576480	56.970 ug/ml
8) T Flouorene (C16.55)	9.197	9895623	59.489 ug/ml
9) T Phenanthrene (C19.36)	10.588	9954806	60.805 ug/ml
10) T Anthracene (C19.43)	10.664	9801356	65.436 ug/ml
12) T Fluoranthene (C21.85)	12.397	9830459	59.243 ug/ml
13) T Pyrene (C20.8)	12.692	9932421	61.043 ug/ml
14) T Benzo[a]anthracene (C...	14.561	9078018	62.190 ug/ml
15) T Chrysene (C27.41)	14.605	8816330	55.947 ug/ml
16) T benzo[b]fluoranthene ...	16.109	8704136	58.277 ug/ml
17) T Bnezo[k]fluoranthene ...	16.147	8712723	57.872 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.487	8405127	58.251 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.854	8676409	63.929 ug/ml
20) T Dibenz[a,h]anthracene...	17.893	7490493	52.317 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.107	7647274	55.699 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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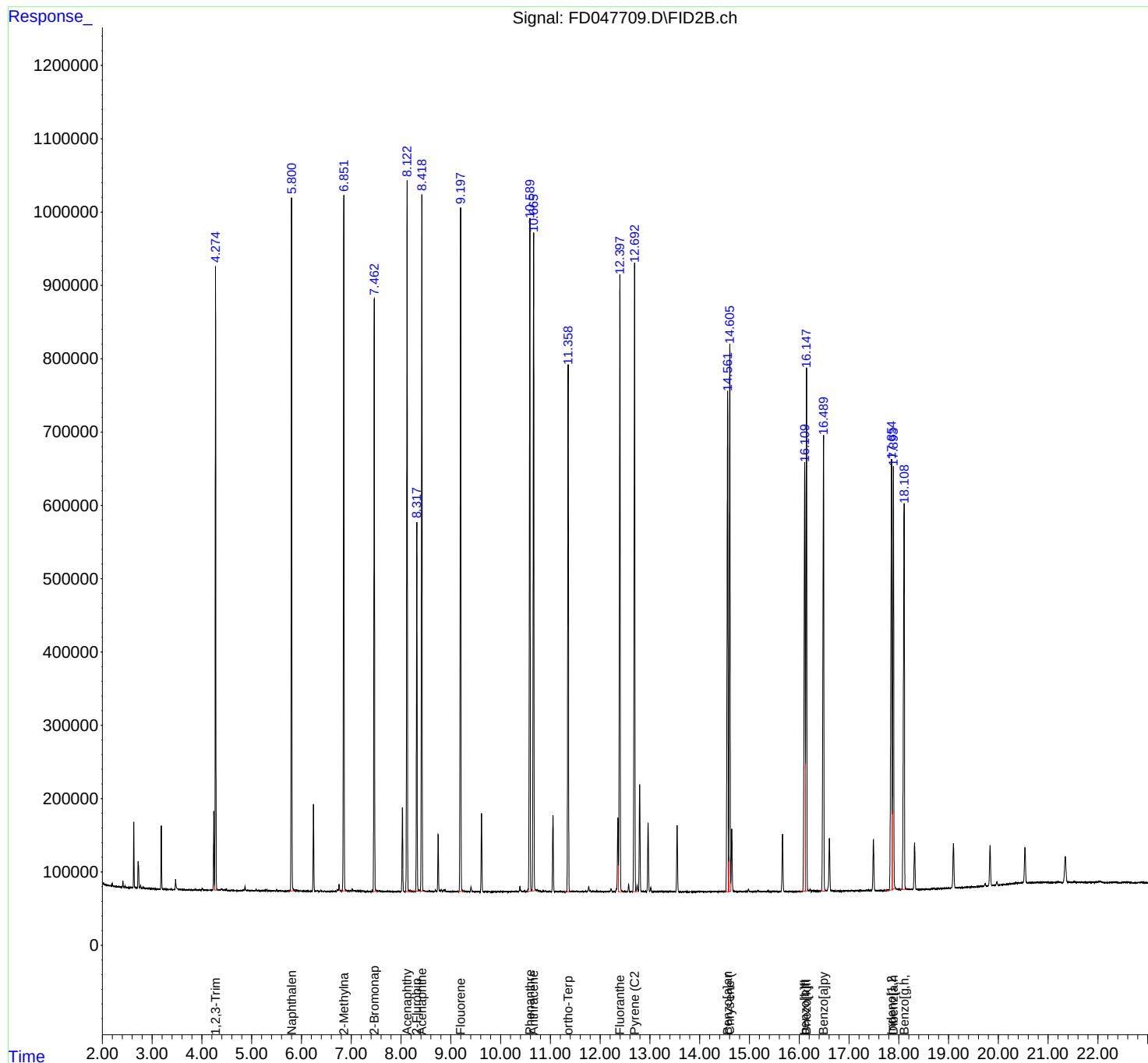
Instrument :
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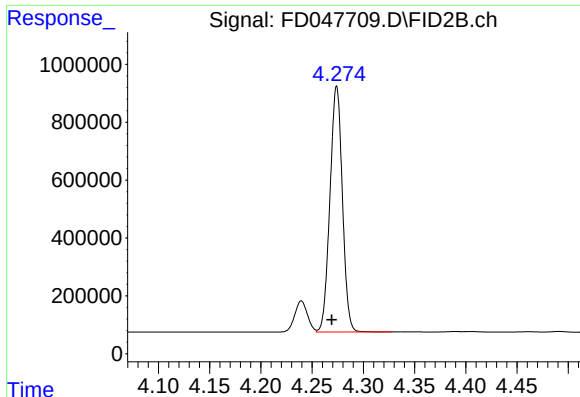
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.274 min
Delta R.T.: 0.005 min
Response: 7189931
Conc: 44.47 ug/ml

Instrument :

FID_D

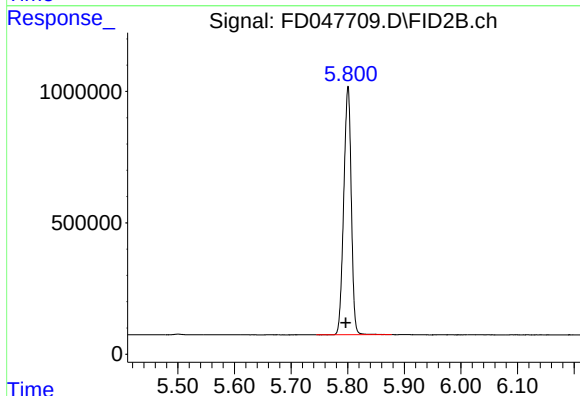
ClientSampleId :

PB160845BSD

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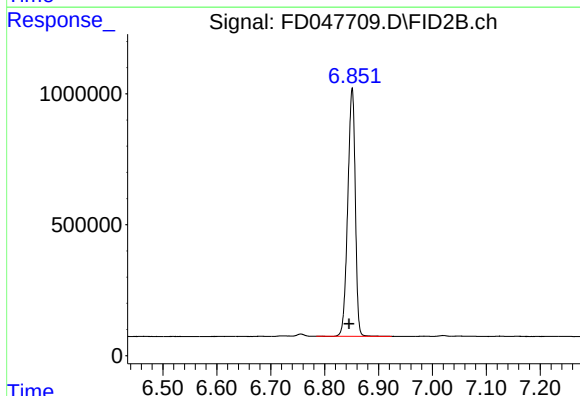
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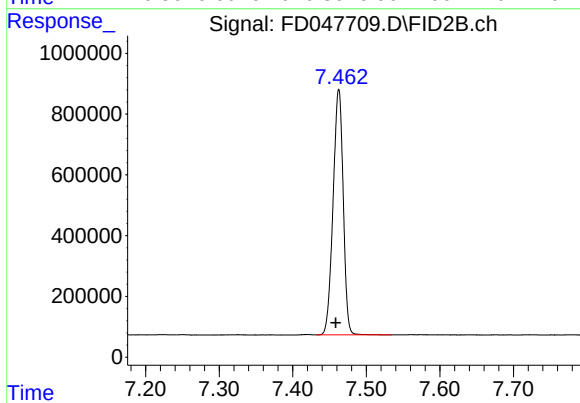
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: 0.004 min
Response: 8723894
Conc: 51.56 ug/ml



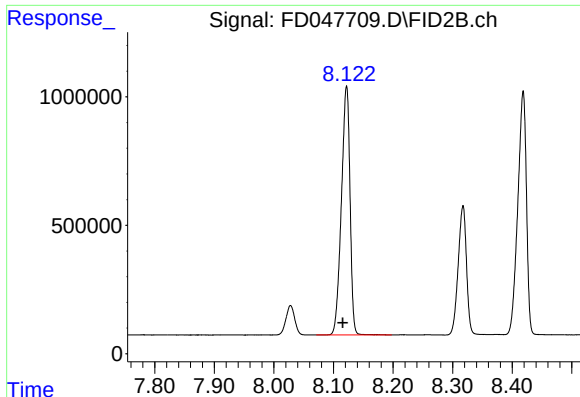
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min
Delta R.T.: 0.005 min
Response: 9184793
Conc: 53.92 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: 0.004 min
Response: 7745133
Conc: 49.39 ug/ml



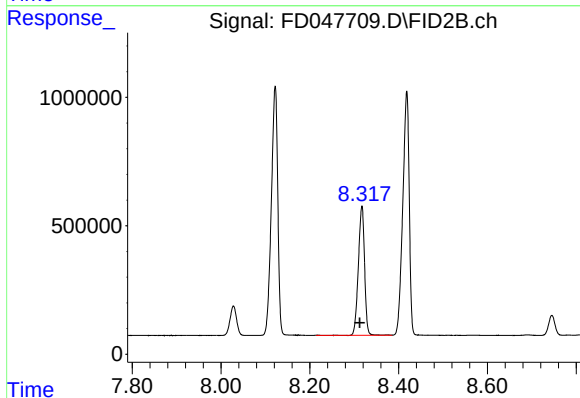
#5 Acenaphthylene (C15.06)

R.T.: 8.122 min
Delta R.T.: 0.006 min
Response: 9727791
Conc: 59.65 ug/ml

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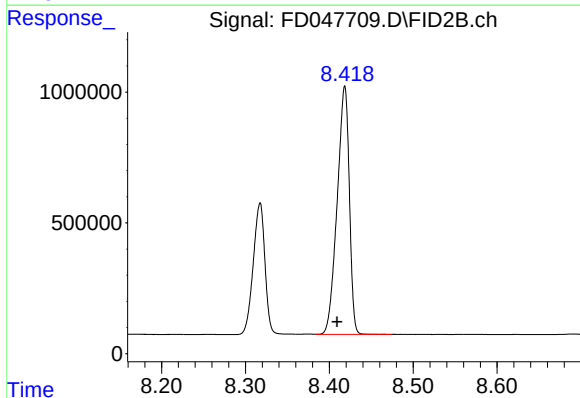
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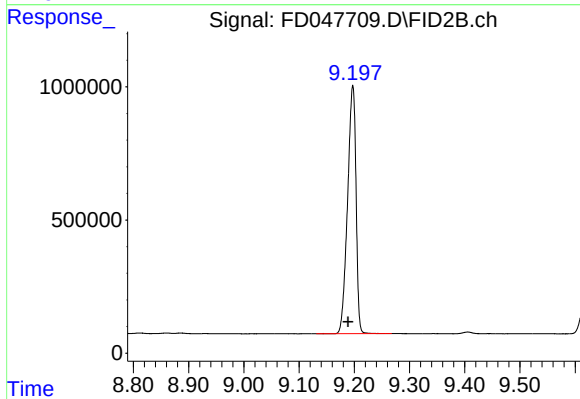
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.317 min
Delta R.T.: 0.005 min
Response: 4871570
Conc: 46.57 ug/ml



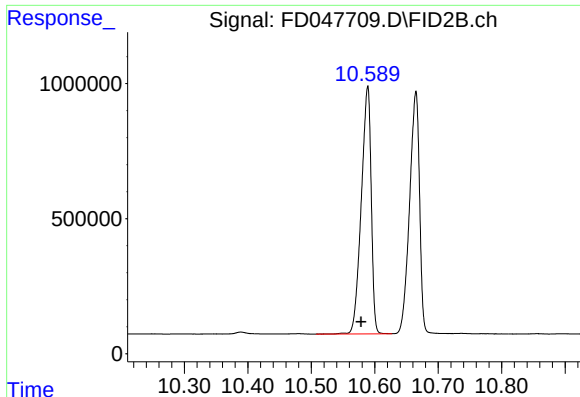
#7 Acenaphthene (C15.5)

R.T.: 8.418 min
Delta R.T.: 0.009 min
Response: 9576480
Conc: 56.97 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.197 min
Delta R.T.: 0.008 min
Response: 9895623
Conc: 59.49 ug/ml



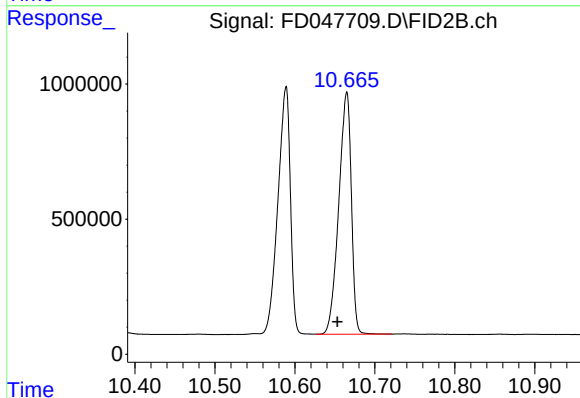
#9 Phenanthrene (C19.36)

R.T.: 10.588 min
Delta R.T.: 0.010 min
Response: 9954806
Conc: 60.80 ug/ml

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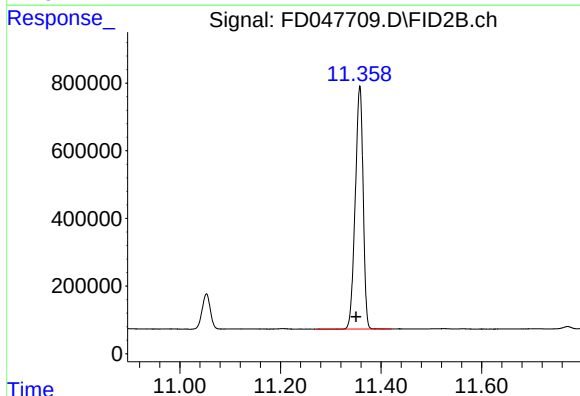
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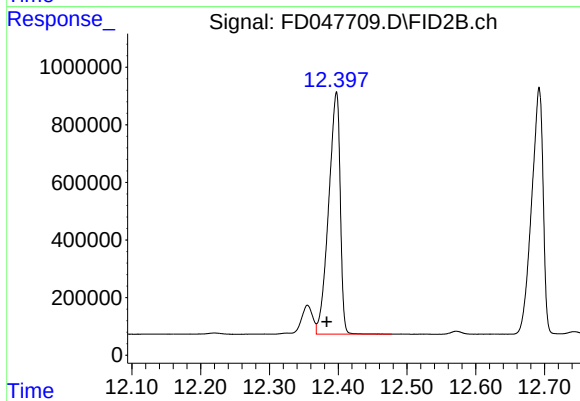
#10 Anthracene (C19.43)

R.T.: 10.664 min
Delta R.T.: 0.011 min
Response: 9801356
Conc: 65.44 ug/ml



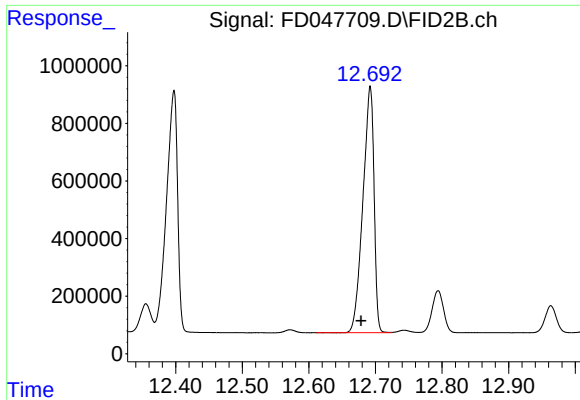
#11 ortho-Terphenyl (SURR)

R.T.: 11.357 min
Delta R.T.: 0.007 min
Response: 7785912
Conc: 41.52 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.397 min
Delta R.T.: 0.013 min
Response: 9830459
Conc: 59.24 ug/ml



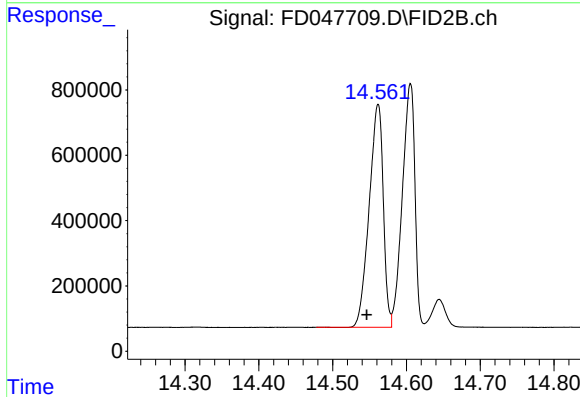
#13 Pyrene (C20.8)

R.T.: 12.692 min
Delta R.T.: 0.013 min
Response: 9932421
Conc: 61.04 ug/ml

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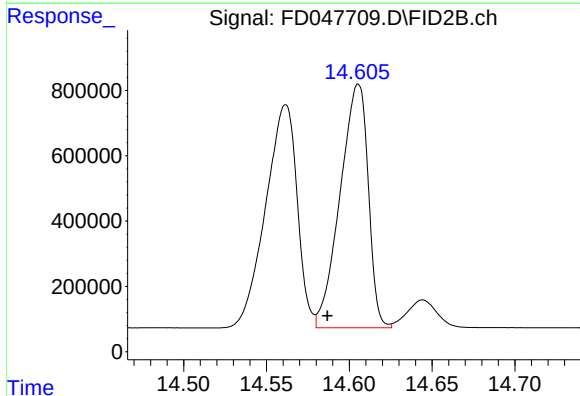
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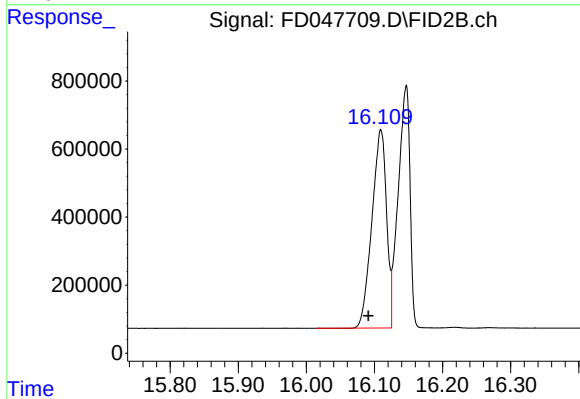
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.561 min
Delta R.T.: 0.015 min
Response: 9078018
Conc: 62.19 ug/ml



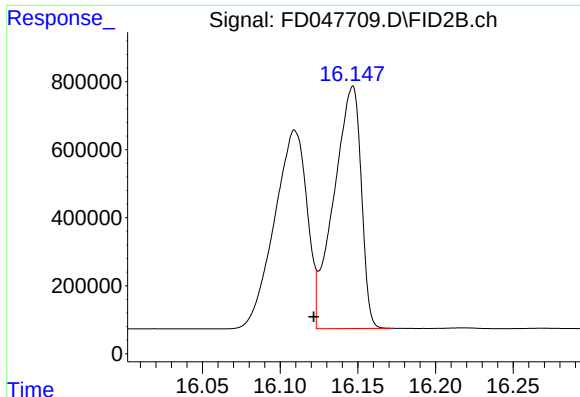
#15 Chrysene (C27.41)

R.T.: 14.605 min
Delta R.T.: 0.018 min
Response: 8816330
Conc: 55.95 ug/ml



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

R.T.: 16.109 min
Delta R.T.: 0.018 min
Response: 8704136
Conc: 58.28 ug/ml



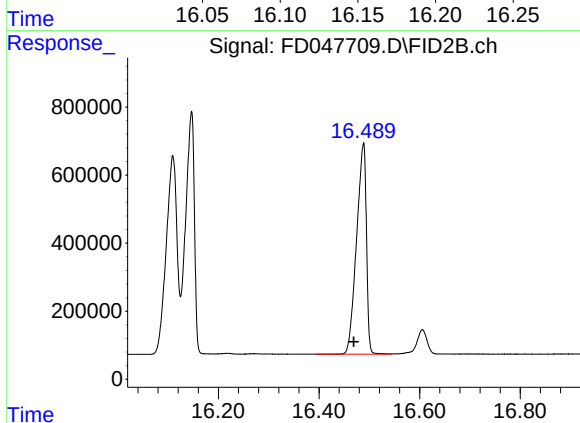
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.147 min
Delta R.T.: 0.025 min
Response: 8712723
Conc: 57.87 ug/ml

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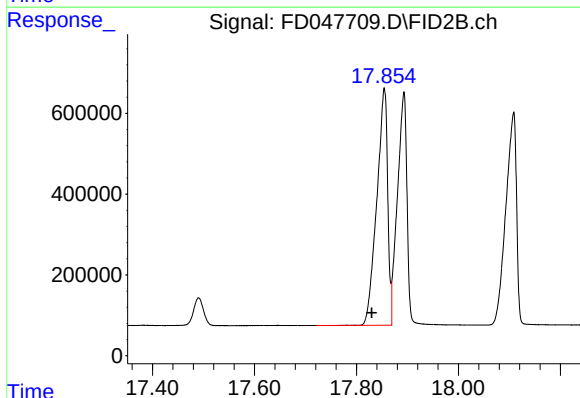
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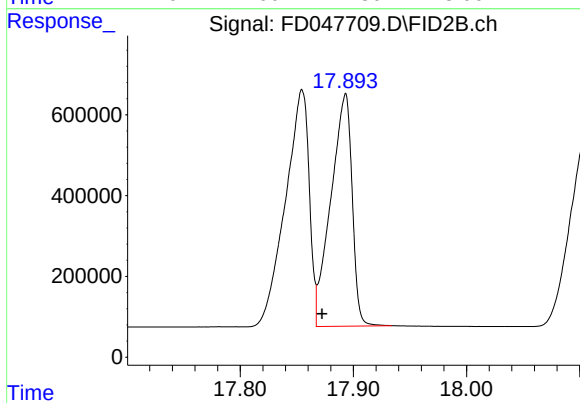
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.487 min
Delta R.T.: 0.018 min
Response: 8405127
Conc: 58.25 ug/ml



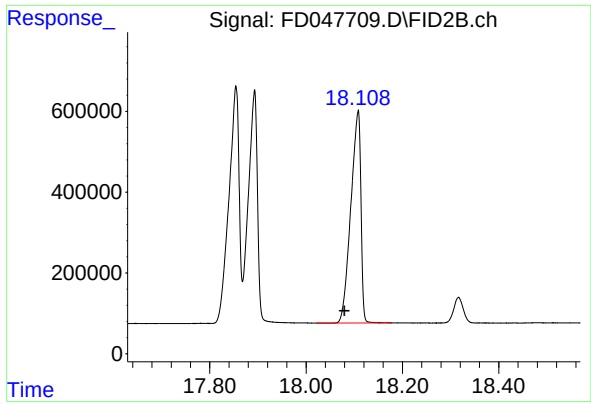
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.854 min
Delta R.T.: 0.024 min
Response: 8676409
Conc: 63.93 ug/ml



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

R.T.: 17.893 min
Delta R.T.: 0.021 min
Response: 7490493
Conc: 52.32 ug/ml m



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

R.T.: 18.107 min
Delta R.T.: 0.027 min
Response: 7647274
Conc: 55.70 ug/ml

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