

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022724AR\
 Data File : FD047361.D
 Signal(s) : FID2B.ch
 Acq On : 28 Feb 2024 03:48
 Operator : YP/AJ
 Sample : PB159311BSD
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 PB159311BSD

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 05:43:39 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	5533979	36.350 ug/ml
Spiked Amount 50.000		Recovery =	72.70%
6) S 2-Fluorobiphenyl (SURR)	8.317	3312589	32.772 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	65.54%
11) S ortho-Terphenyl (SURR)	11.353	4943310	28.028 ug/ml
Spiked Amount 50.000		Recovery =	56.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.278	3631959	23.038 ug/ml
2) T Naphthalene (C11.7)	5.803	4268189	25.682 ug/ml
3) T 2-Methylnaphthalene (...)	6.851	4381110	25.979 ug/mlm
5) T Acenaphthylene (C15.06)	8.120	4629494	30.078 ug/ml
7) T Acenaphthene (C15.5)	8.415	4579575	27.784 ug/ml
8) T Flouorene (C16.55)	9.194	4766248	30.062 ug/ml
9) T Phenanthrene (C19.36)	10.583	4857567	31.267 ug/ml
10) T Anthracene (C19.43)	10.657	4643853	31.491 ug/ml
12) T Fluoranthene (C21.85)	12.386	5275216	34.071 ug/ml
13) T Pyrene (C20.8)	12.680	5274465	35.063 ug/mlm
14) T Benzo[a]anthracene (C...	14.546	4932546	36.694 ug/mlm
15) T Chrysene (C27.41)	14.589	5030657	34.355 ug/mlm
16) T benzo[b]fluoranthene ...	16.088	4805248	34.900 ug/ml
17) T Bnezo[k]fluoranthene ...	16.121	4822255	34.753 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.463	4558624	33.674 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.824	4716432	37.359 ug/ml
20) T Dibenz[a,h]anthracene...	17.863	4538707	34.064 ug/ml
21) T Benzo[g,h,i]perylene ...	18.075	4367417	32.938 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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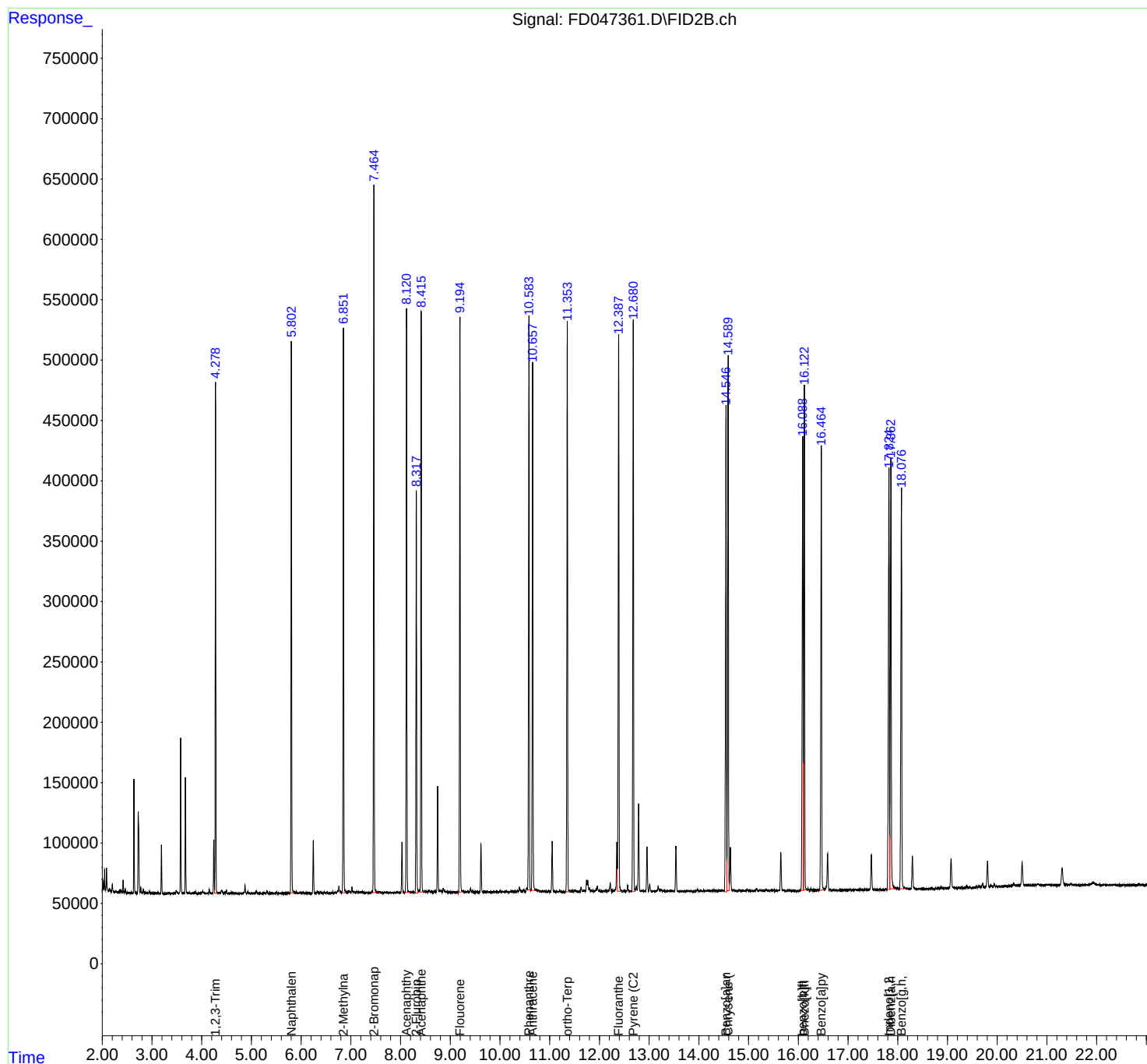
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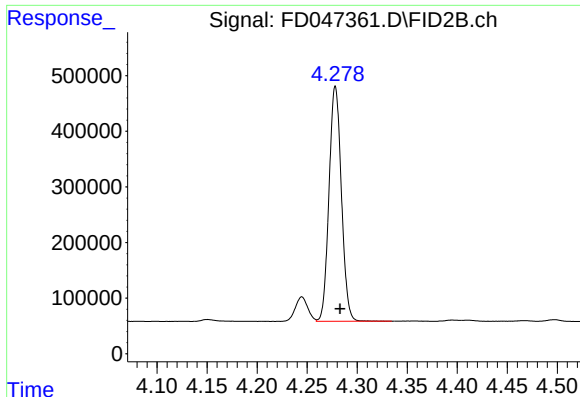
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.278 min
Delta R.T.: -0.005 min
Response: 3631959
Conc: 23.04 ug/ml

Instrument :

FID_D

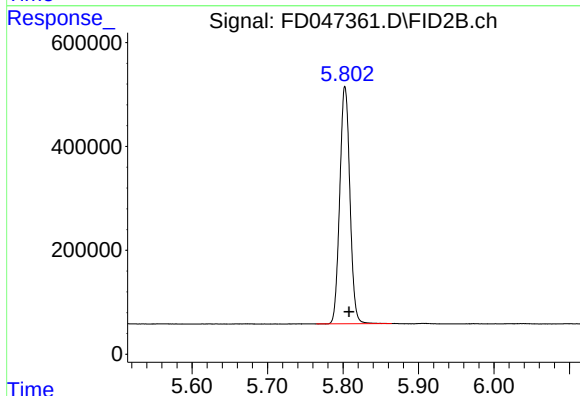
ClientSampleId :

PB159311BSD

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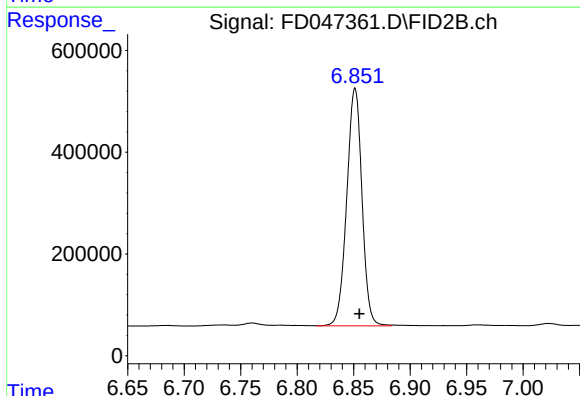
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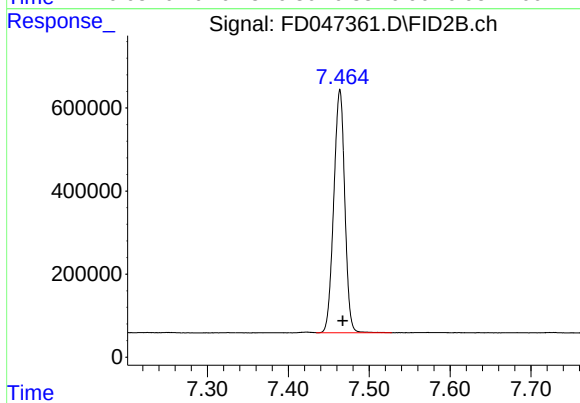
#2 Naphthalene (C11.7)

R.T.: 5.803 min
Delta R.T.: -0.005 min
Response: 4268189
Conc: 25.68 ug/ml



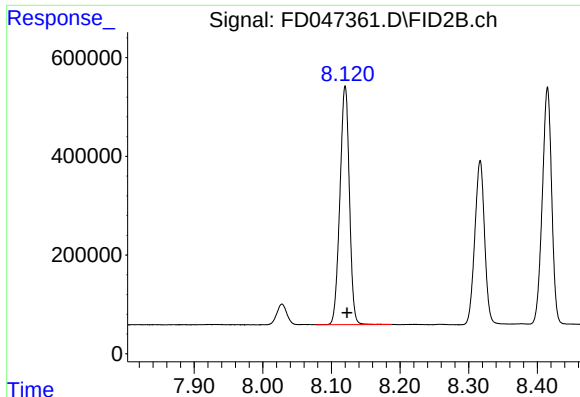
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.851 min
Delta R.T.: -0.004 min
Response: 4381110
Conc: 25.98 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.464 min
Delta R.T.: -0.004 min
Response: 5533979
Conc: 36.35 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.120 min
Delta R.T.: -0.003 min
Response: 4629494
Conc: 30.08 ug/ml

Instrument :

FID_D

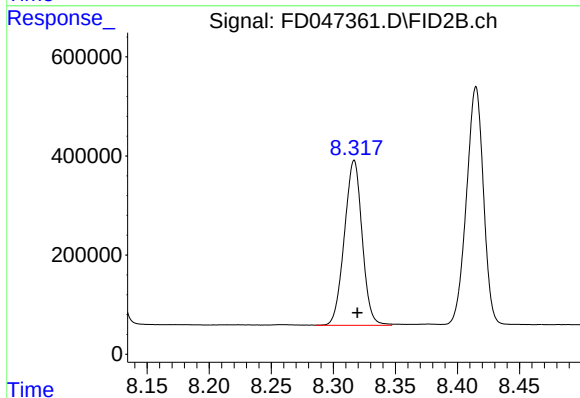
ClientSampleId :

PB159311BSD

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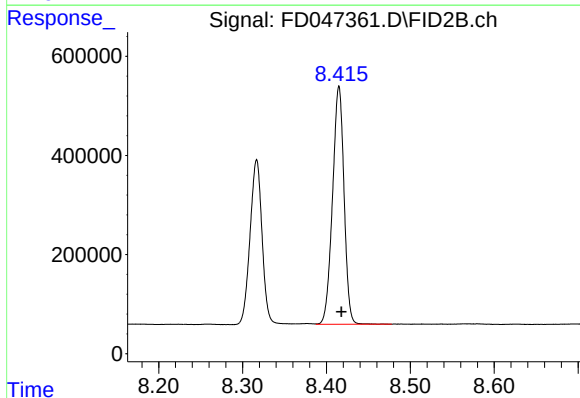
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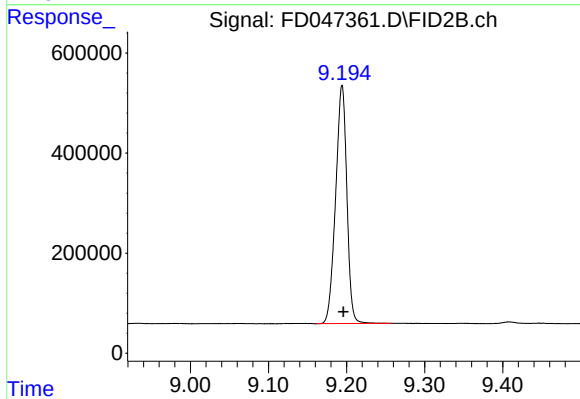
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.317 min
Delta R.T.: -0.003 min
Response: 3312589
Conc: 32.77 ug/ml m



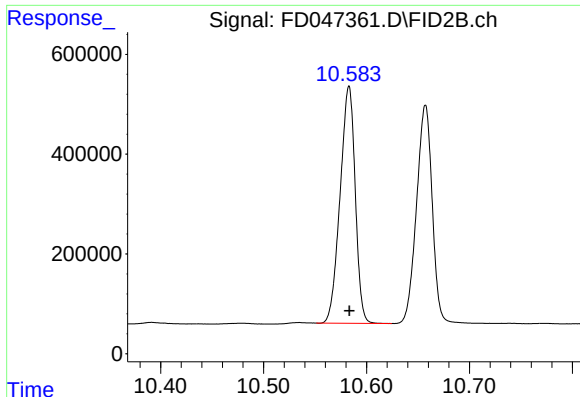
#7 Acenaphthene (C15.5)

R.T.: 8.415 min
Delta R.T.: -0.003 min
Response: 4579575
Conc: 27.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.194 min
Delta R.T.: -0.002 min
Response: 4766248
Conc: 30.06 ug/ml



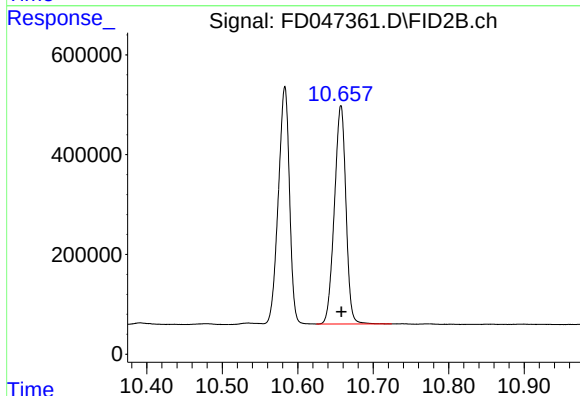
#9 Phenanthrene (C19.36)

R.T.: 10.583 min
Delta R.T.: 0.000 min
Response: 4857567
Conc: 31.27 ug/ml

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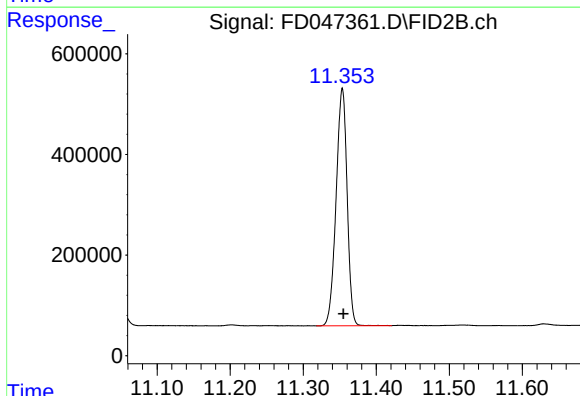
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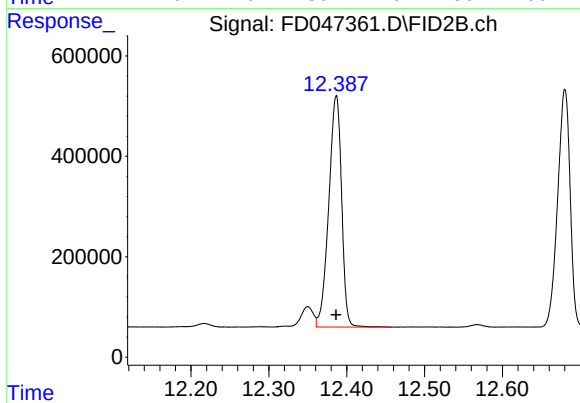
#10 Anthracene (C19.43)

R.T.: 10.657 min
Delta R.T.: 0.000 min
Response: 4643853
Conc: 31.49 ug/ml



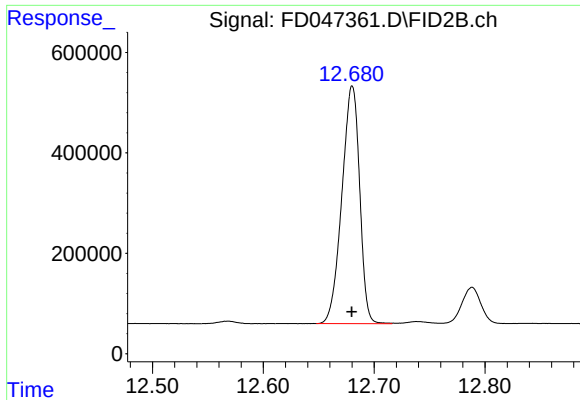
#11 ortho-Terphenyl (SURR)

R.T.: 11.353 min
Delta R.T.: -0.002 min
Response: 4943310
Conc: 28.03 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.386 min
Delta R.T.: 0.000 min
Response: 5275216
Conc: 34.07 ug/ml



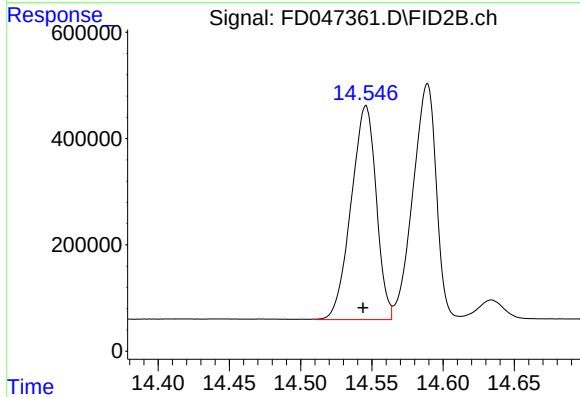
#13 Pyrene (C20.8)

R.T.: 12.680 min
Delta R.T.: 0.000 min
Response: 5274465
Conc: 35.06 ug/ml

Instrument :
FID_D
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PB159311BSD

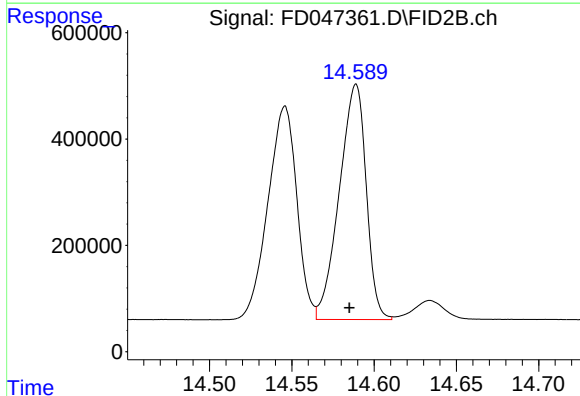
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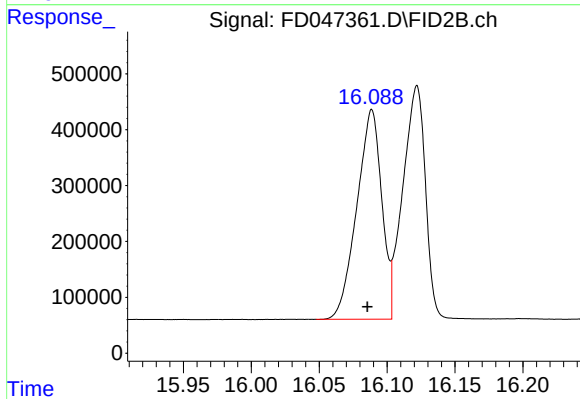
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.546 min
Delta R.T.: 0.002 min
Response: 4932546
Conc: 36.69 ug/ml m



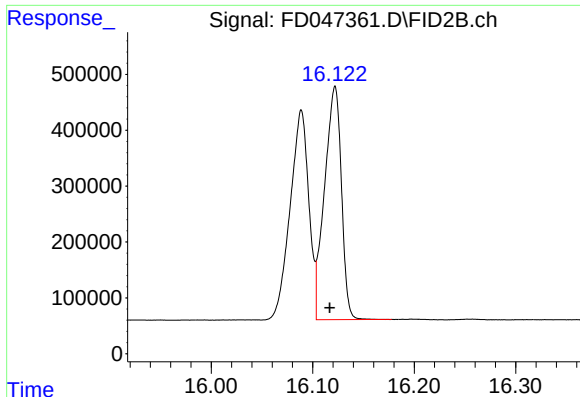
#15 Chrysene (C27.41)

R.T.: 14.589 min
Delta R.T.: 0.004 min
Response: 5030657
Conc: 34.35 ug/ml m



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

R.T.: 16.088 min
Delta R.T.: 0.003 min
Response: 4805248
Conc: 34.90 ug/ml



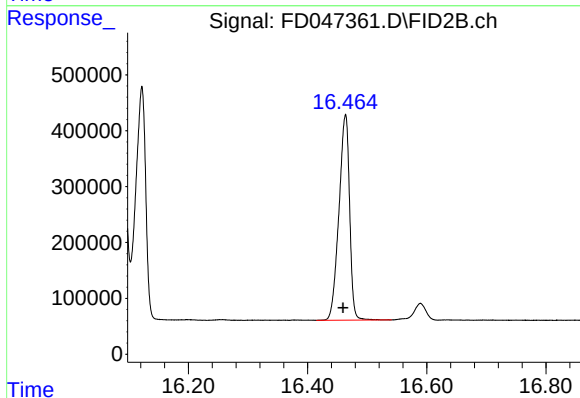
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.121 min
Delta R.T.: 0.005 min
Response: 4822255
Conc: 34.75 ug/ml

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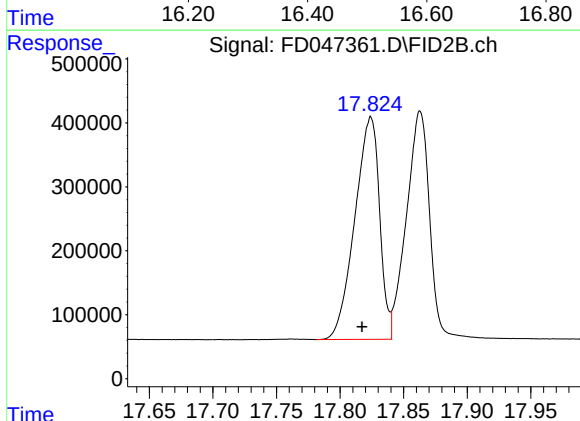
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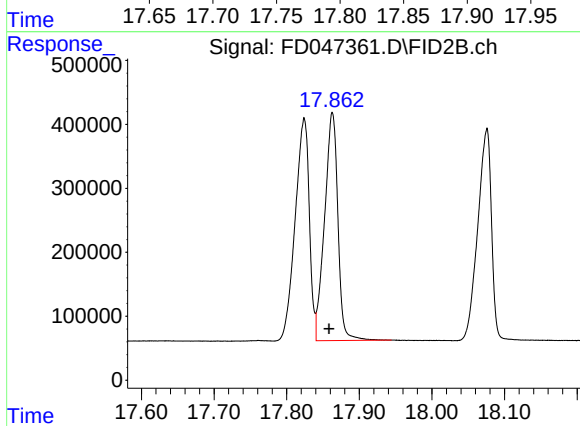
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.463 min
Delta R.T.: 0.004 min
Response: 4558624
Conc: 33.67 ug/ml



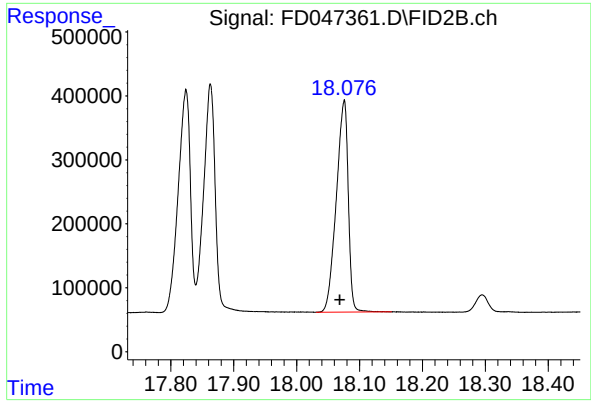
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.824 min
Delta R.T.: 0.006 min
Response: 4716432
Conc: 37.36 ug/ml



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

R.T.: 17.863 min
Delta R.T.: 0.004 min
Response: 4538707
Conc: 34.06 ug/ml



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

R.T.: 18.075 min
Delta R.T.: 0.006 min
Response: 4367417
Conc: 32.94 ug/ml

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