

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD050924AR\
 Data File : FD047686.D
 Signal(s) : FID2B.ch
 Acq On : 09 May 2024 18:41
 Operator : YP/AJ
 Sample : P2403-07
 Misc : 2.5PPM WATER LOD
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/10/2024
 Supervised By :Ankita Jodhani 05/10/2024

Integration File: autoint1.e
 Quant Time: May 10 06:45:46 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...	7.463	7943210	50.649 ug/ml
Spiked Amount 50.000		Recovery =	101.30%
6) S 2-Fluorobiphenyl (SURR)	8.316	4950514	47.327 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	94.65%
11) S ortho-Terphenyl (SURR)	11.358	7853762	41.879 ug/ml
Spiked Amount 50.000		Recovery =	83.76%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	322111	1.992 ug/ml
2) T Naphthalene (C11.7)	5.800	351524	2.077 ug/mlm
3) T 2-Methylnaphthalene (...)	6.849	382294	2.244 ug/mlm
5) T Acenaphthylene (C15.06)	8.118	383170	2.350 ug/ml
7) T Acenaphthene (C15.5)	8.412	389565	2.318 ug/ml
8) T Flouorene (C16.55)	9.193	391790	2.355 ug/mlm
9) T Phenanthrene (C19.36)	10.584	361552	2.208 ug/mlm
10) T Anthracene (C19.43)	10.660	345069	2.304 ug/ml
12) T Fluoranthene (C21.85)	12.391	367736	2.216 ug/ml
13) T Pyrene (C20.8)	12.684	377241	2.318 ug/mlm
14) T Benzo[a]anthracene (C...	14.556	323488	2.216 ug/mlm
15) T Chrysene (C27.41)	14.596	374689	2.378 ug/mlm
16) T benzo[b]fluoranthene ...	16.102	314470	2.105 ug/ml
17) T Bnezo[k]fluoranthene ...	16.133	359117	2.385 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.484	296504	2.055 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.848	252839	1.863 ug/mlm
20) T Dibenz[a,h]anthracene...	17.892	306171	2.138 ug/ml
21) T Benzo[g,h,i]perylene ...	18.094	298658	2.175 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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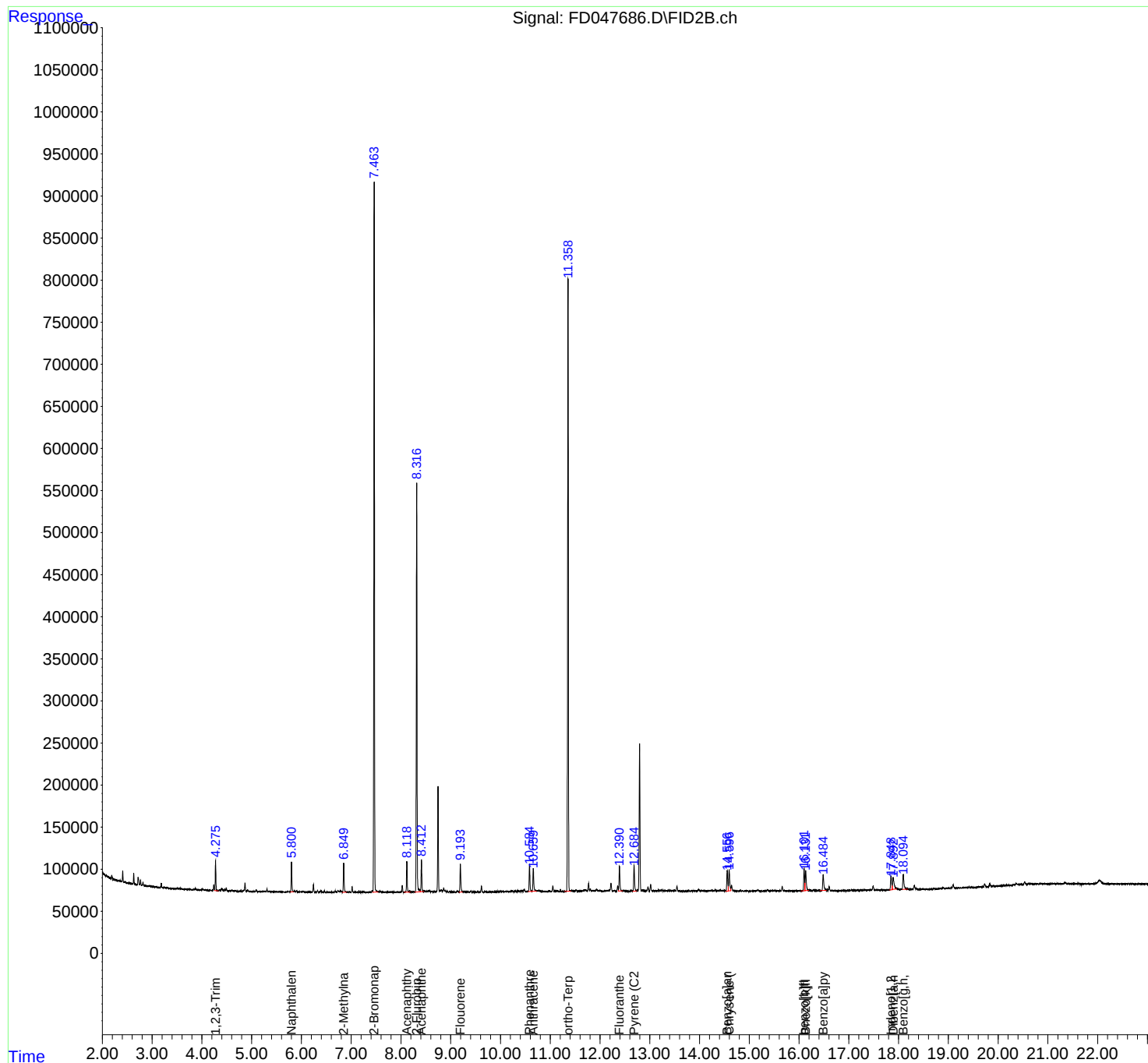
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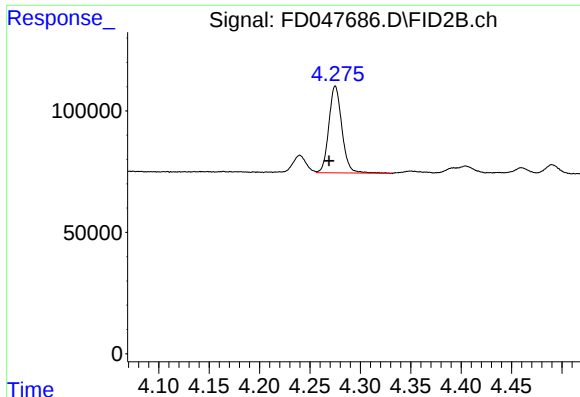
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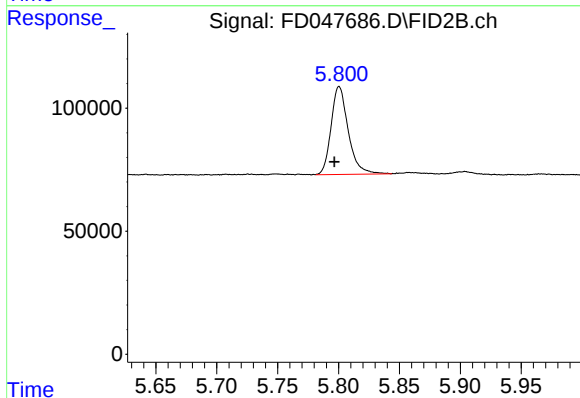
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.275 min
Delta R.T.: 0.006 min
Response: 322111
Conc: 1.99 ug/ml

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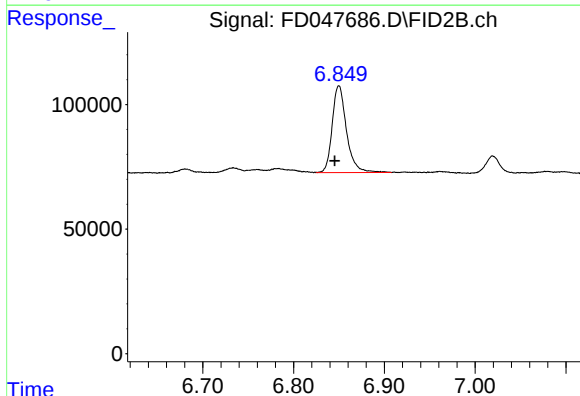
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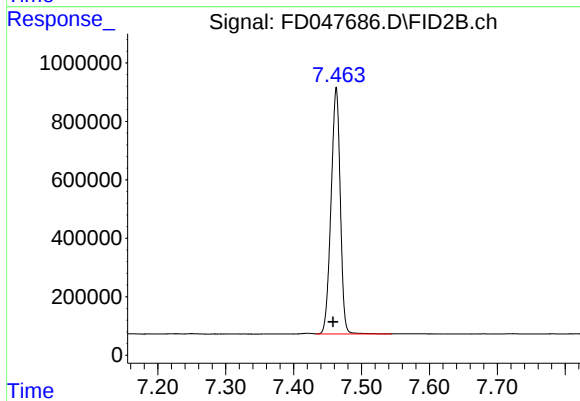
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: 0.003 min
Response: 351524
Conc: 2.08 ug/ml m



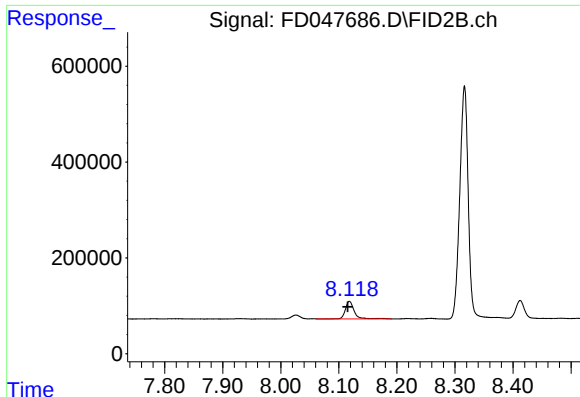
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.849 min
Delta R.T.: 0.004 min
Response: 382294
Conc: 2.24 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.463 min
Delta R.T.: 0.004 min
Response: 7943210
Conc: 50.65 ug/ml



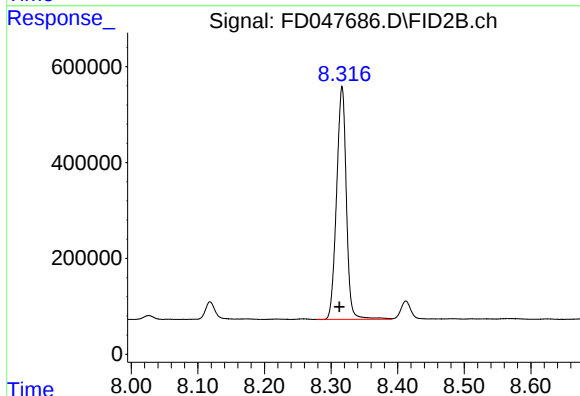
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: 0.003 min
Response: 383170
Conc: 2.35 ug/ml

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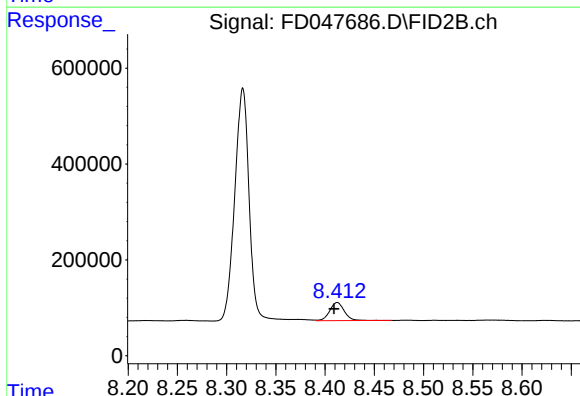
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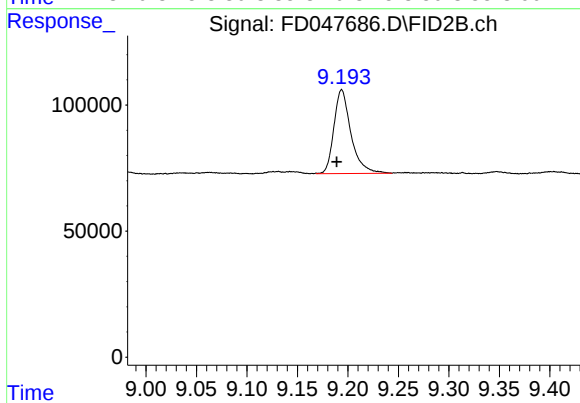
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.316 min
Delta R.T.: 0.004 min
Response: 4950514
Conc: 47.33 ug/ml



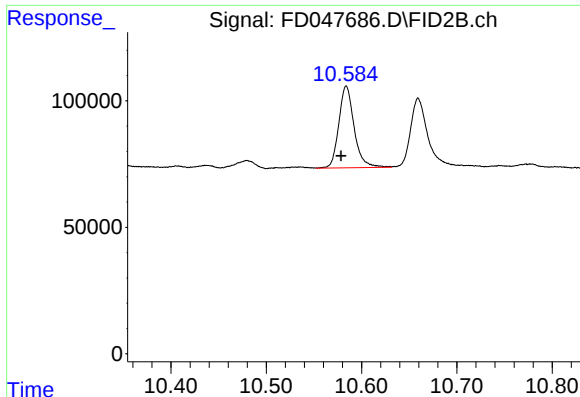
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.003 min
Response: 389565
Conc: 2.32 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.193 min
Delta R.T.: 0.005 min
Response: 391790
Conc: 2.36 ug/ml m



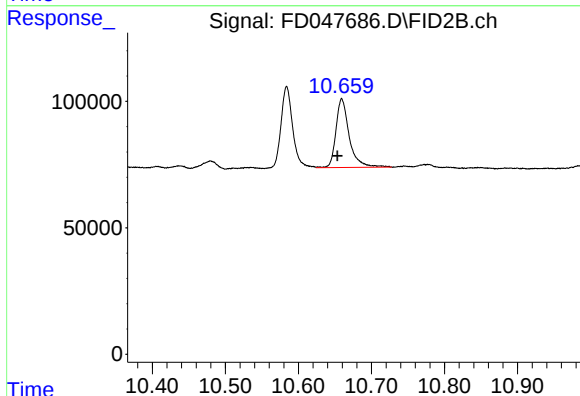
#9 Phenanthrene (C19.36)

R.T.: 10.584 min
Delta R.T.: 0.005 min
Response: 361552
Conc: 2.21 ug/ml

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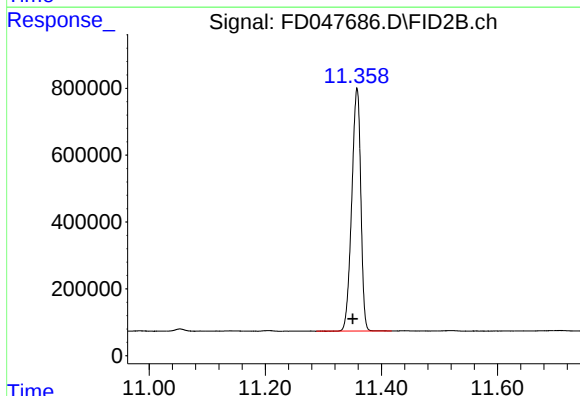
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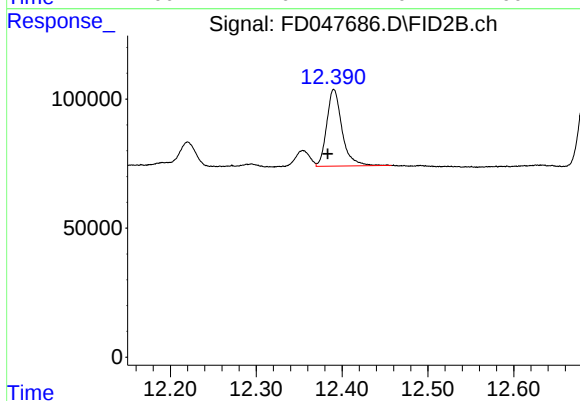
#10 Anthracene (C19.43)

R.T.: 10.660 min
Delta R.T.: 0.006 min
Response: 345069
Conc: 2.30 ug/ml



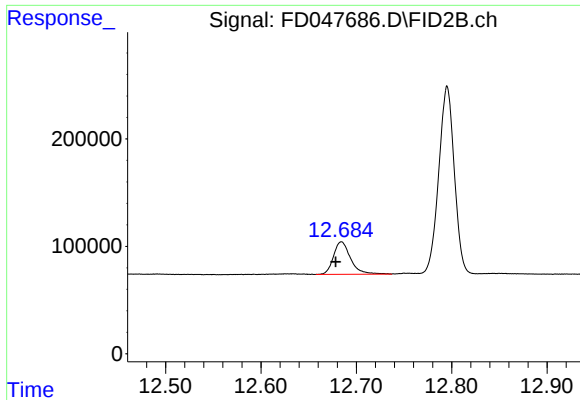
#11 ortho-Terphenyl (SURR)

R.T.: 11.358 min
Delta R.T.: 0.007 min
Response: 7853762
Conc: 41.88 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.391 min
Delta R.T.: 0.007 min
Response: 367736
Conc: 2.22 ug/ml



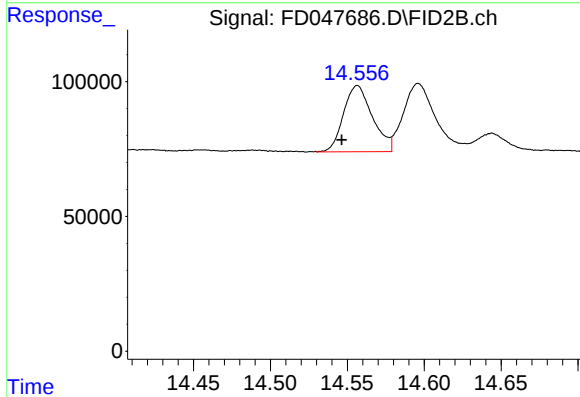
#13 Pyrene (C20.8)

R.T.: 12.684 min
Delta R.T.: 0.006 min
Response: 377241
Conc: 2.32 ug/ml

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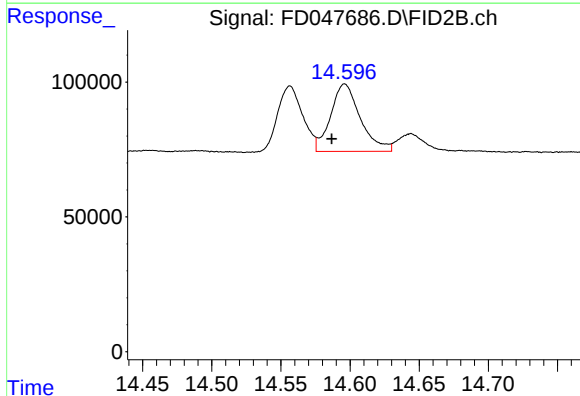
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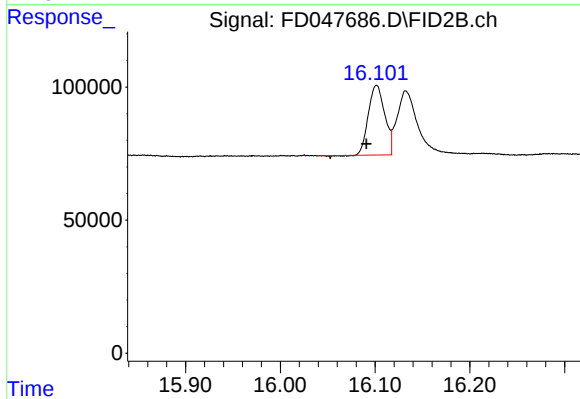
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.556 min
Delta R.T.: 0.010 min
Response: 323488
Conc: 2.22 ug/ml m



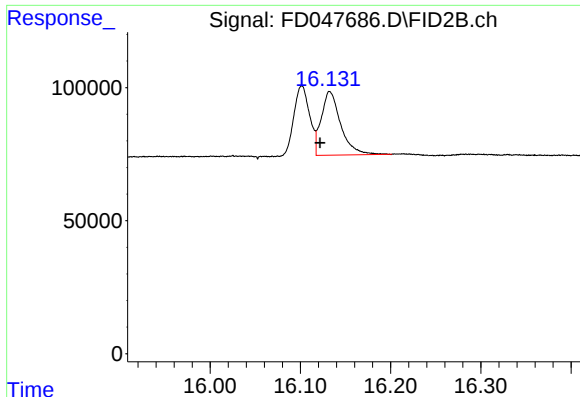
#15 Chrysene (C27.41)

R.T.: 14.596 min
Delta R.T.: 0.009 min
Response: 374689
Conc: 2.38 ug/ml m



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

R.T.: 16.102 min
Delta R.T.: 0.011 min
Response: 314470
Conc: 2.11 ug/ml



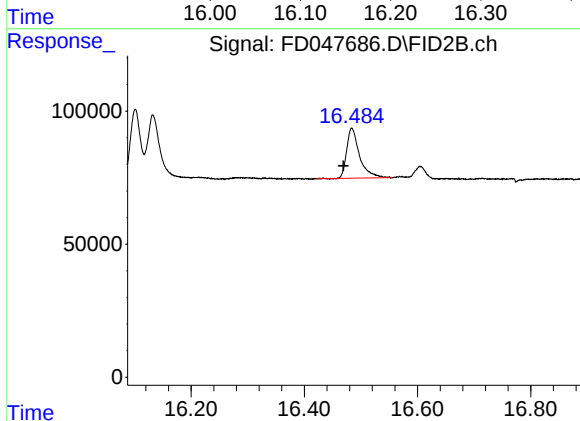
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.133 min
Delta R.T.: 0.011 min
Response: 359117
Conc: 2.39 ug/ml

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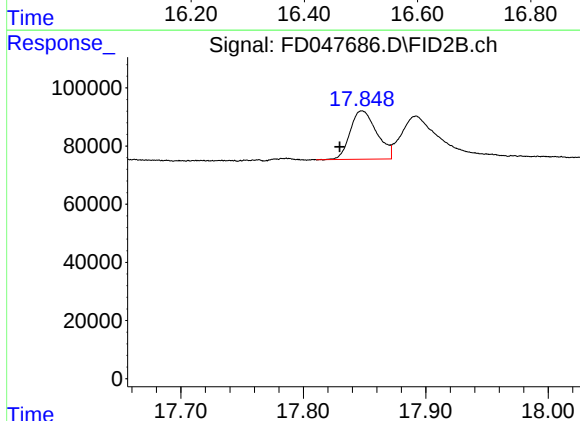
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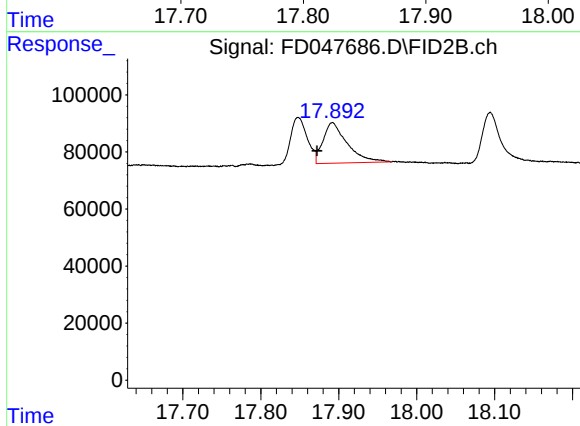
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.484 min
Delta R.T.: 0.015 min
Response: 296504
Conc: 2.05 ug/ml



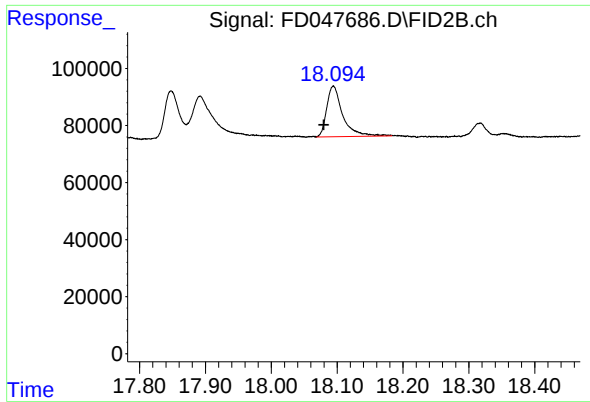
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.848 min
Delta R.T.: 0.018 min
Response: 252839
Conc: 1.86 ug/ml m



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

R.T.: 17.892 min
Delta R.T.: 0.020 min
Response: 306171
Conc: 2.14 ug/ml



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

R.T.: 18.094 min
Delta R.T.: 0.014 min
Response: 298658
Conc: 2.18 ug/ml

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