

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100523AR\
 Data File : FD046654.D
 Signal(s) : FID2B.ch
 Acq On : 05 Oct 2023 10:48
 Operator : YP/AJ
 Sample : 04699-01
 Misc : 2.5PPM SOIL LOD
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2023
 Supervised By :Ankita Jodhani 10/06/2023

Integration File: autoint1.e
 Quant Time: Oct 05 23:52:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:47:22 2023
 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...	7.490	7324400	41.563 ug/ml
Spiked Amount 50.000		Recovery =	83.13%
6) S 2-Fluorobiphenyl (SURR)	8.343	4922097	42.483 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	84.97%
11) S ortho-Terphenyl (SURR)	11.382	8003500	39.285 ug/ml
Spiked Amount 50.000		Recovery =	78.57%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.304	373318	2.021 ug/ml
2) T Naphthalene (C11.7)	5.829	423543	2.192 ug/ml
3) T 2-Methylnaphthalene (...)	6.876	432962	2.234 ug/ml
5) T Acenaphthylene (C15.06)	8.144	436897	2.478 ug/ml
7) T Acenaphthene (C15.5)	8.439	442399	2.355 ug/ml
8) T Fluorene (C16.55)	9.217	435684	2.415 ug/ml
9) T Phenanthrene (C19.36)	10.605	412833	2.348 ug/mlm
10) T Anthracene (C19.43)	10.679	393497	2.562 ug/ml
12) T Fluoranthene (C21.85)	12.407	424102	2.488 ug/ml
13) T Pyrene (C20.8)	12.700	422321	2.574 ug/mlm
14) T Benzo[a]anthracene (C...	14.564	346529	2.482 ug/ml
15) T Chrysene (C27.41)	14.605	389434	2.565 ug/ml
16) T benzo[b]fluoranthene ...	16.101	345268	2.517 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.133	357719	2.582 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.480	321249	2.401 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.836	288622	2.303 ug/ml
20) T Dibenz[a,h]anthracene...	17.880	339190	2.549 ug/ml
21) T Benzo[g,h,i]perylene ...	18.083	327899	2.486 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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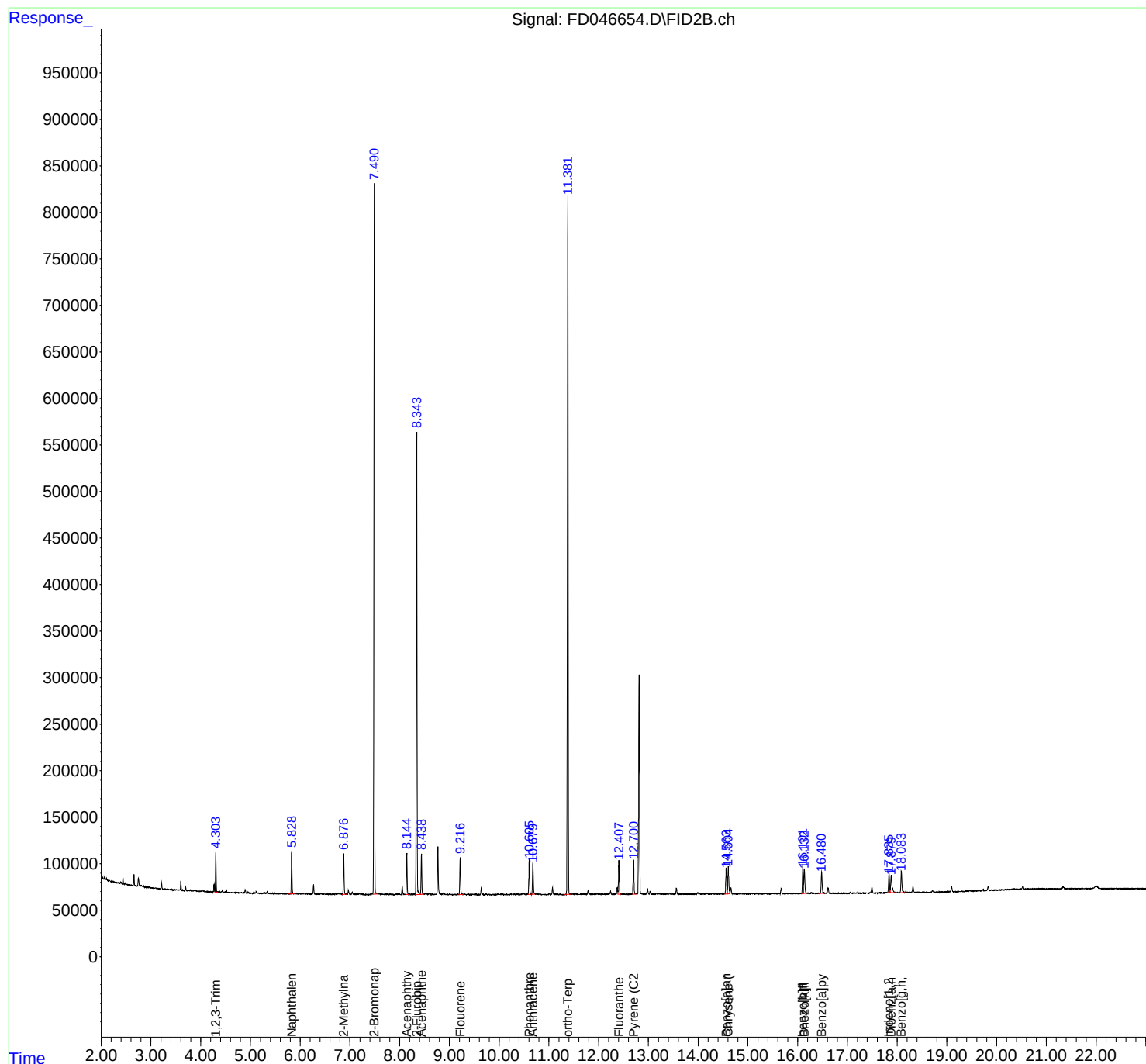
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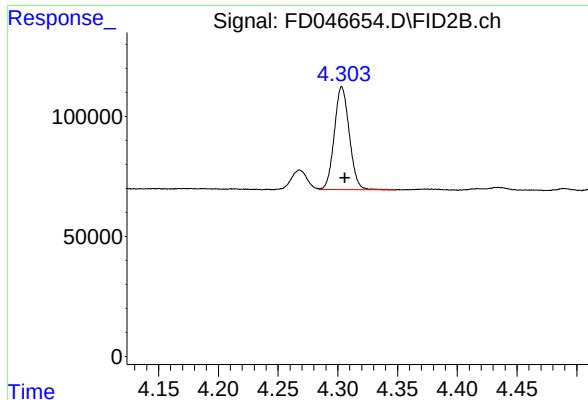
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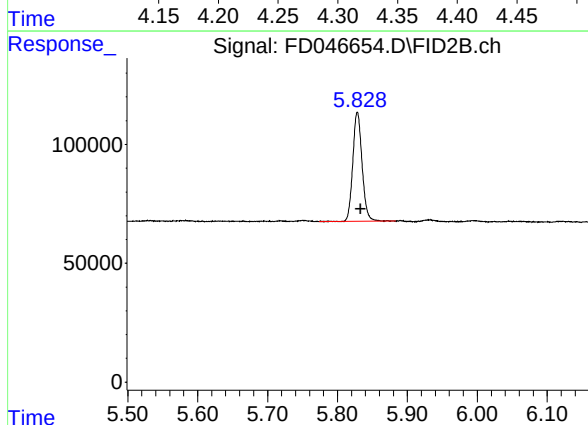
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.304 min
Delta R.T.: -0.002 min
Response: 373318
Conc: 2.02 ug/ml

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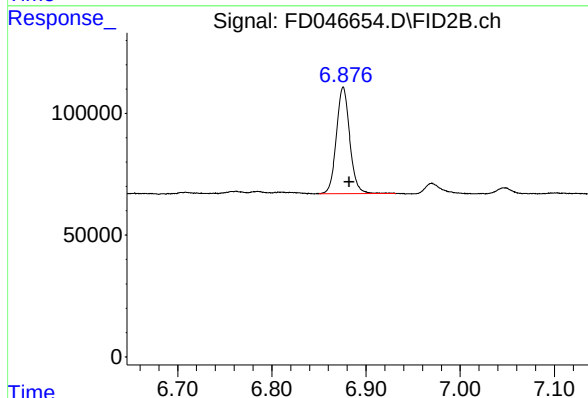
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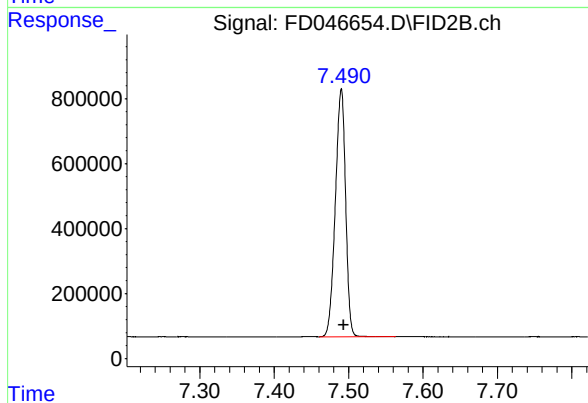
#2 Naphthalene (C11.7)

R.T.: 5.829 min
Delta R.T.: -0.004 min
Response: 423543
Conc: 2.19 ug/ml



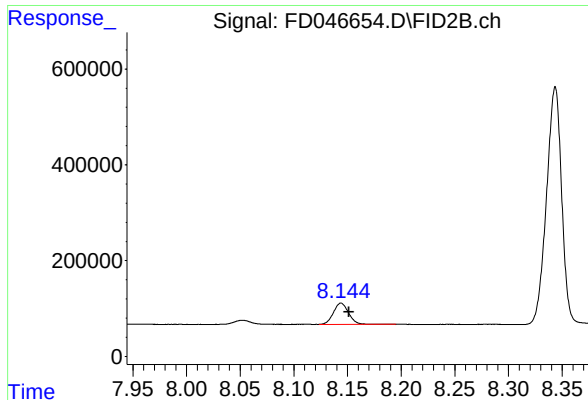
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.876 min
Delta R.T.: -0.006 min
Response: 432962
Conc: 2.23 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.490 min
Delta R.T.: -0.004 min
Response: 7324400
Conc: 41.56 ug/ml



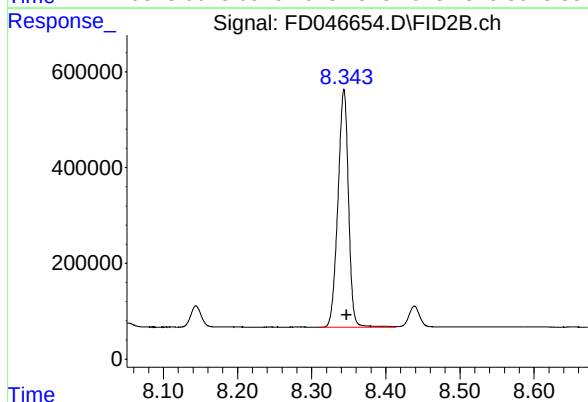
#5 Acenaphthylene (C15.06)

R.T.: 8.144 min
Delta R.T.: -0.007 min
Response: 436897
Conc: 2.48 ug/ml

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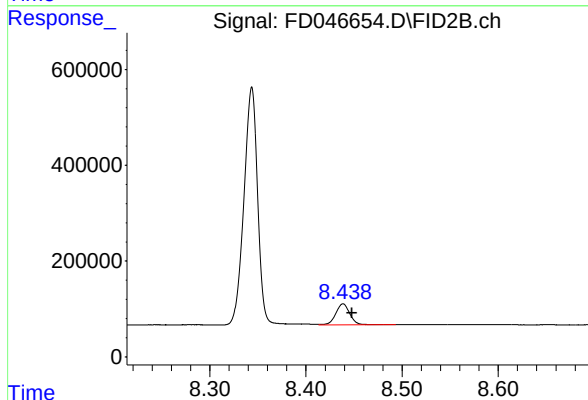
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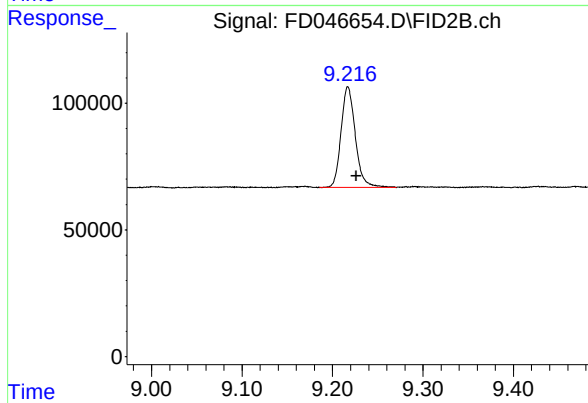
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.343 min
Delta R.T.: -0.004 min
Response: 4922097
Conc: 42.48 ug/ml



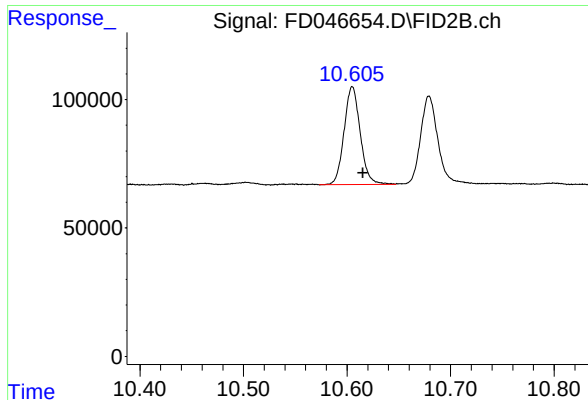
#7 Acenaphthene (C15.5)

R.T.: 8.439 min
Delta R.T.: -0.009 min
Response: 442399
Conc: 2.35 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.217 min
Delta R.T.: -0.009 min
Response: 435684
Conc: 2.42 ug/ml



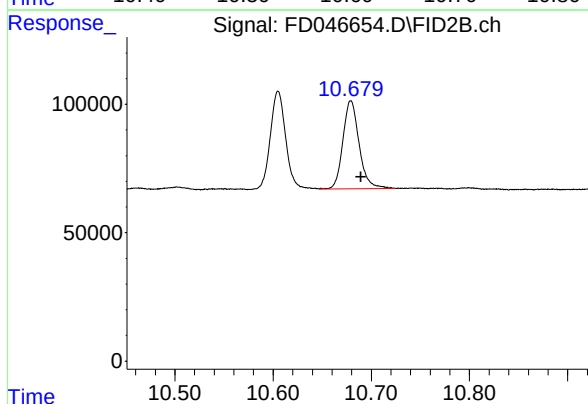
#9 Phenanthrene (C19.36)

R.T.: 10.605 min
Delta R.T.: -0.011 min
Response: 412833
Conc: 2.35 ug/ml

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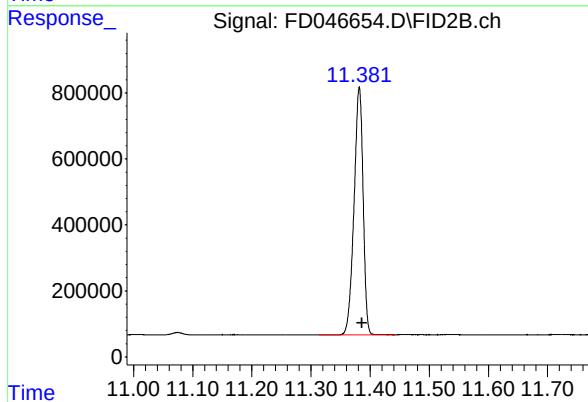
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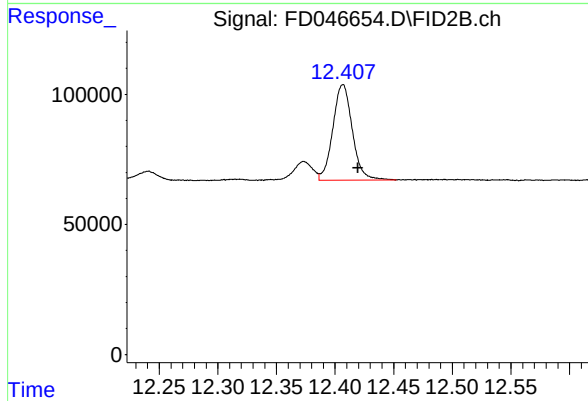
#10 Anthracene (C19.43)

R.T.: 10.679 min
Delta R.T.: -0.010 min
Response: 393497
Conc: 2.56 ug/ml



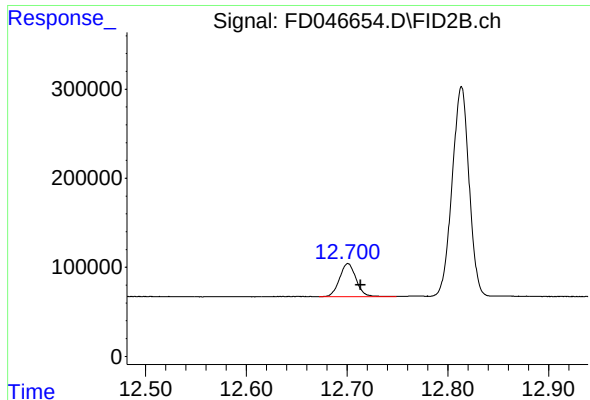
#11 ortho-Terphenyl (SURRE)

R.T.: 11.382 min
Delta R.T.: -0.005 min
Response: 8003500
Conc: 39.29 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.407 min
Delta R.T.: -0.013 min
Response: 424102
Conc: 2.49 ug/ml



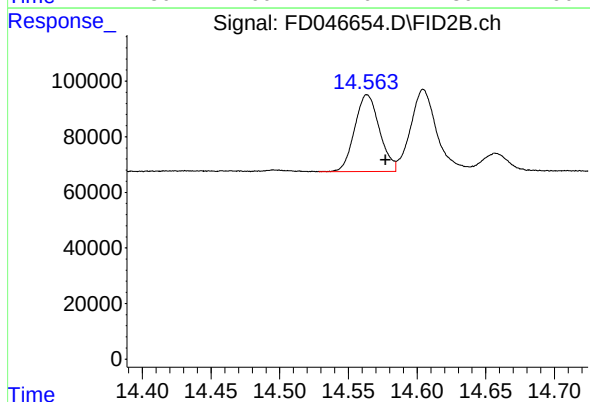
#13 Pyrene (C20.8)

R.T.: 12.700 min
Delta R.T.: -0.013 min
Response: 422321
Conc: 2.57 ug/ml

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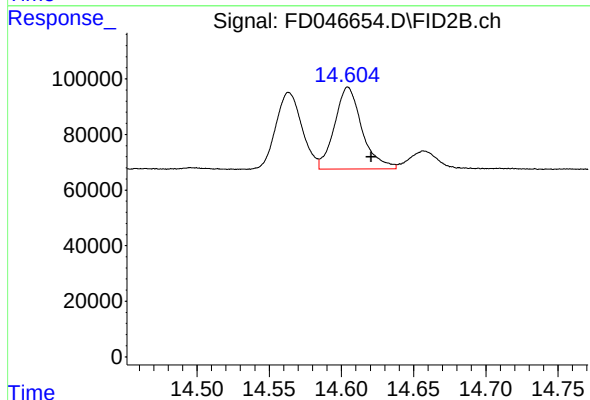
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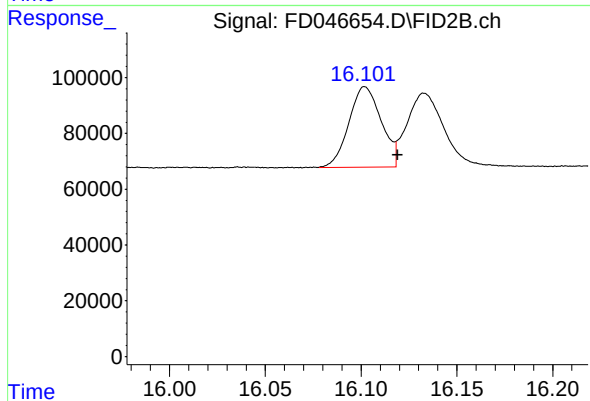
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.564 min
Delta R.T.: -0.013 min
Response: 346529
Conc: 2.48 ug/ml



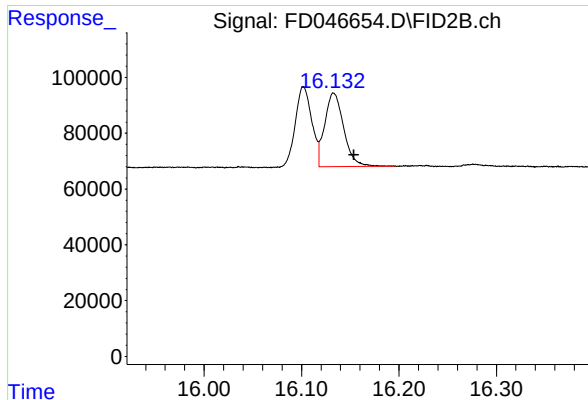
#15 Chrysene (C27.41)

R.T.: 14.605 min
Delta R.T.: -0.016 min
Response: 389434
Conc: 2.57 ug/ml



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

R.T.: 16.101 min
Delta R.T.: -0.018 min
Response: 345268
Conc: 2.52 ug/ml m



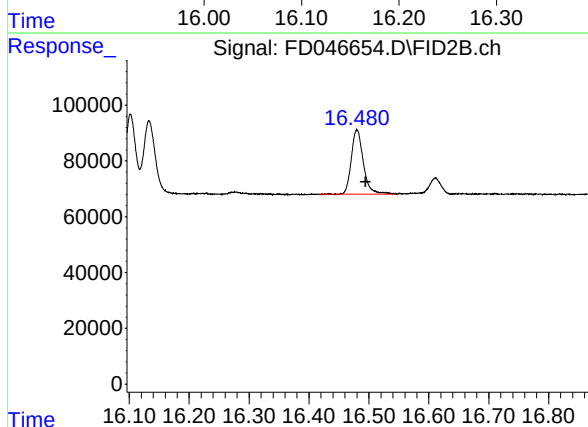
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.133 min
Delta R.T.: -0.021 min
Response: 357719
Conc: 2.58 ug/ml

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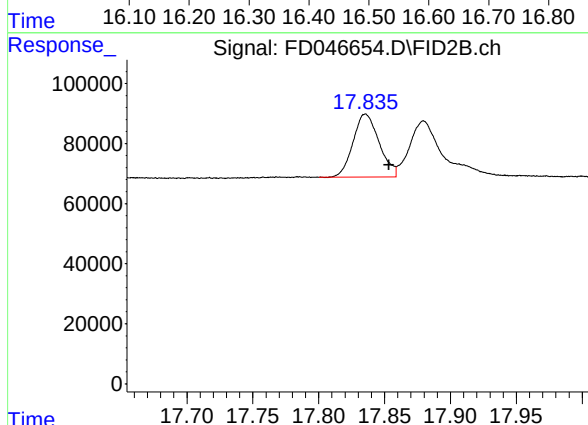
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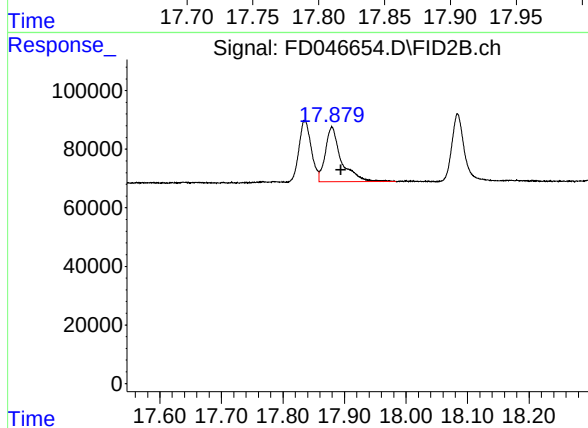
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.480 min
Delta R.T.: -0.014 min
Response: 321249
Conc: 2.40 ug/ml



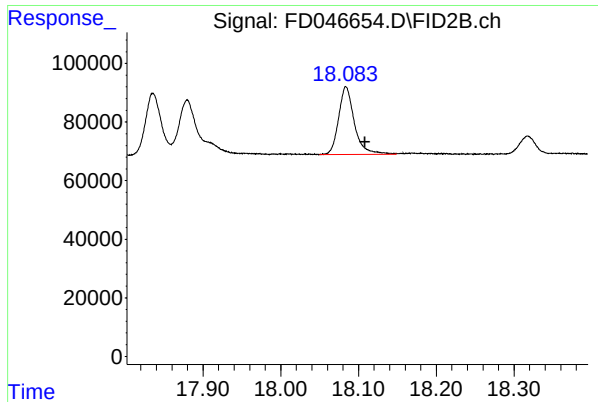
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.836 min
Delta R.T.: -0.018 min
Response: 288622
Conc: 2.30 ug/ml



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

R.T.: 17.880 min
Delta R.T.: -0.015 min
Response: 339190
Conc: 2.55 ug/ml



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

R.T.: 18.083 min
Delta R.T.: -0.025 min
Response: 327899
Conc: 2.49 ug/ml

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