

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD113023AR\
 Data File : FD046985.D
 Signal(s) : FID2B.ch
 Acq On : 30 Nov 2023 05:35
 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 12/01/2023
 Supervised By :Ankita Jodhani 12/01/2023

Integration File: autoint1.e
 Quant Time: Nov 30 23:24:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:30:33 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...	7.474	3519960	20.346 ug/ml
Spiked Amount 50.000		Recovery =	40.69%
6) S 2-Fluorobiphenyl (SURR)	8.327	2292347	21.081 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.16%
11) S ortho-Terphenyl (SURR)	11.366	4231796	21.266 ug/ml
Spiked Amount 50.000		Recovery =	42.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.288	3629826	19.509 ug/ml
2) T Naphthalene (C11.7)	5.814	3814610	20.032 ug/ml
3) T 2-Methylnaphthalene (...)	6.862	3866861	20.080 ug/ml
5) T Acenaphthylene (C15.06)	8.131	3571141	20.515 ug/ml
7) T Acenaphthene (C15.5)	8.426	3826809	20.635 ug/ml
8) T Fluorene (C16.55)	9.204	3672594	21.276 ug/ml
9) T Phenanthrene (C19.36)	10.592	3516929	21.420 ug/ml
10) T Anthracene (C19.43)	10.667	3259197	21.076 ug/ml
12) T Fluoranthene (C21.85)	12.397	3451557	21.777 ug/ml
13) T Pyrene (C20.8)	12.690	3369784	22.024 ug/ml
14) T Benzo[a]anthracene (C...	14.552	2736284	21.103 ug/mlm
15) T Chrysene (C27.41)	14.595	2965072	20.686 ug/mlm
16) T benzo[b]fluoranthene ...	16.095	2873254	21.511 ug/ml
17) T Bnezo[k]fluoranthene ...	16.127	2938810	21.510 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	2736759	20.890 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.827	2290997	19.200 ug/ml
20) T Dibenz[a,h]anthracene...	17.867	2453987	18.886 ug/ml
21) T Benzo[g,h,i]perylene ...	18.078	2655762	20.298 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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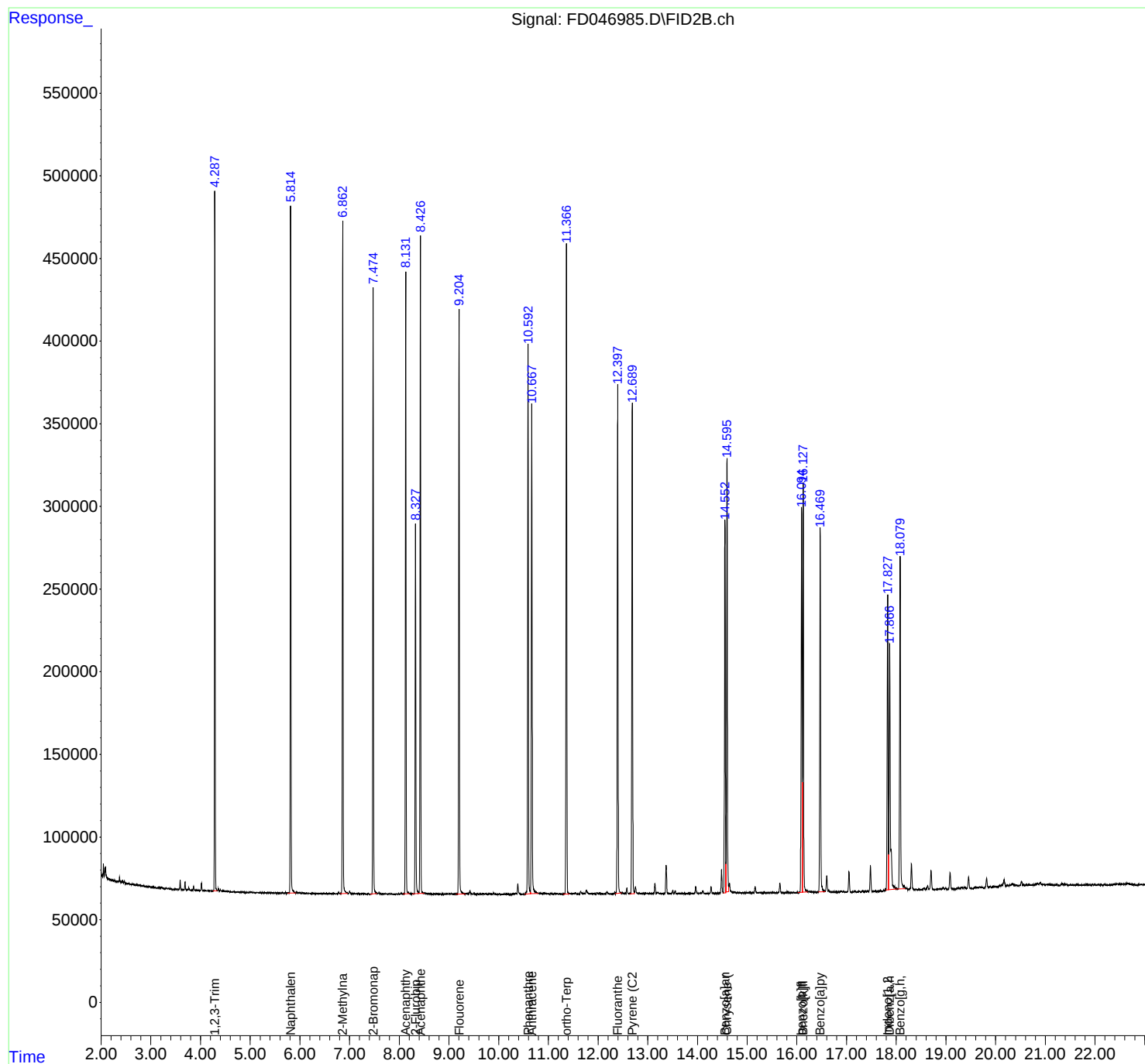
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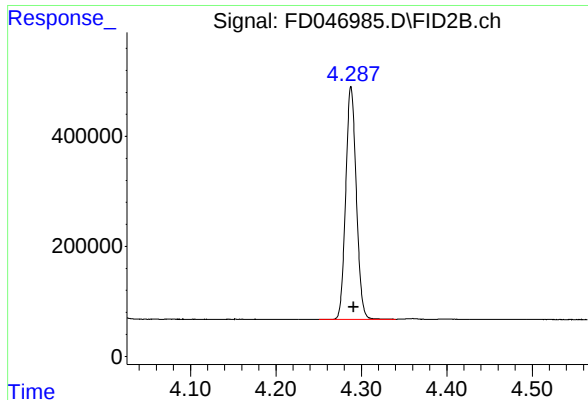
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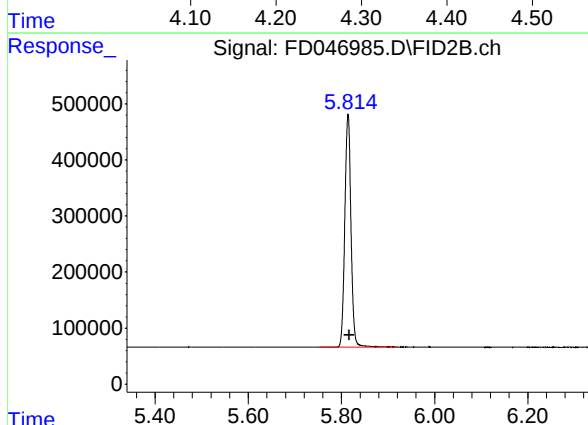
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.288 min
Delta R.T.: -0.003 min
Response: 3629826
Conc: 19.51 ug/ml

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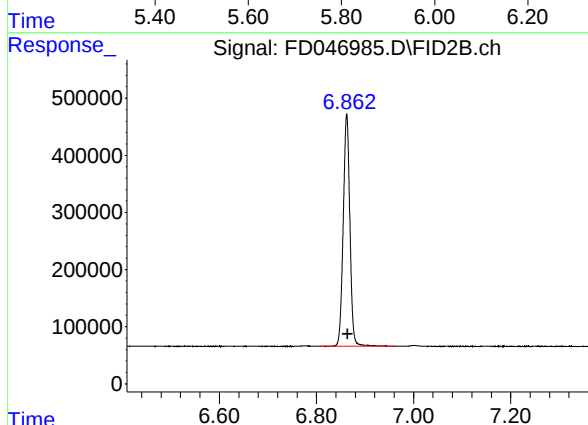
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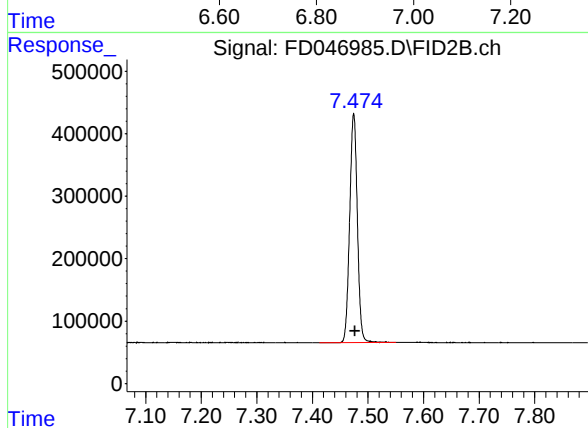
#2 Naphthalene (C11.7)

R.T.: 5.814 min
Delta R.T.: -0.003 min
Response: 3814610
Conc: 20.03 ug/ml



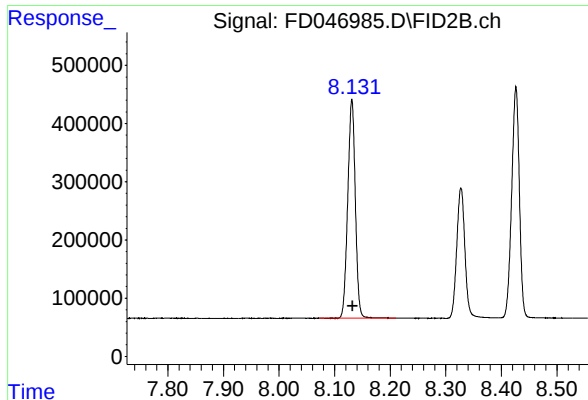
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.862 min
Delta R.T.: -0.002 min
Response: 3866861
Conc: 20.08 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.474 min
Delta R.T.: -0.002 min
Response: 3519960
Conc: 20.35 ug/ml



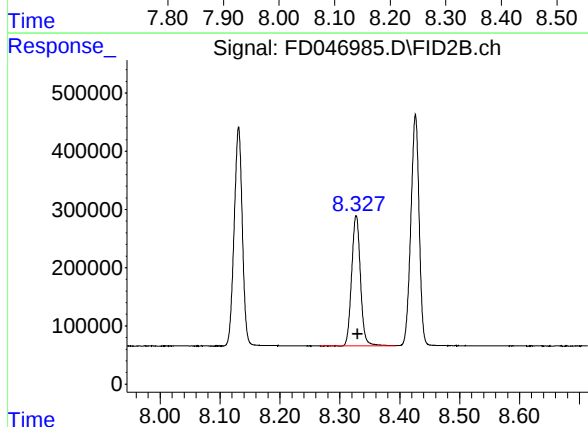
#5 Acenaphthylene (C15.06)

R.T.: 8.131 min
Delta R.T.: -0.001 min
Response: 3571141
Conc: 20.51 ug/ml

Instrument :
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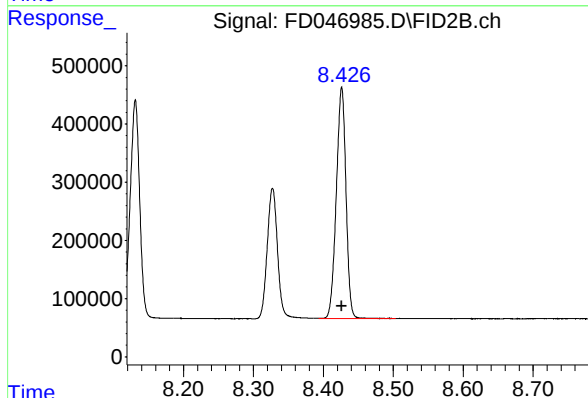
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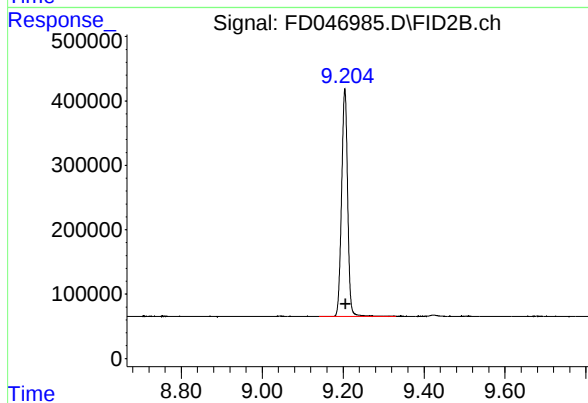
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.327 min
Delta R.T.: -0.002 min
Response: 2292347
Conc: 21.08 ug/ml



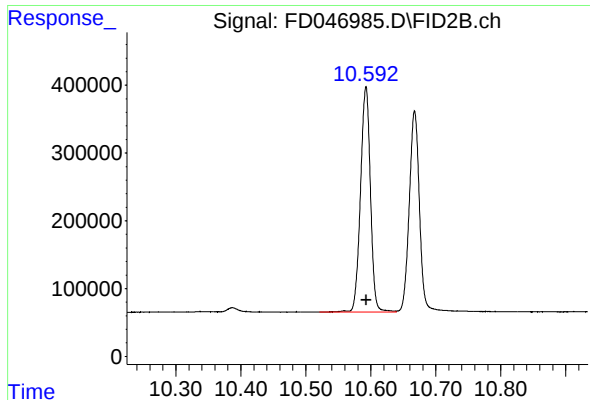
#7 Acenaphthene (C15.5)

R.T.: 8.426 min
Delta R.T.: 0.000 min
Response: 3826809
Conc: 20.63 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.204 min
Delta R.T.: -0.002 min
Response: 3672594
Conc: 21.28 ug/ml



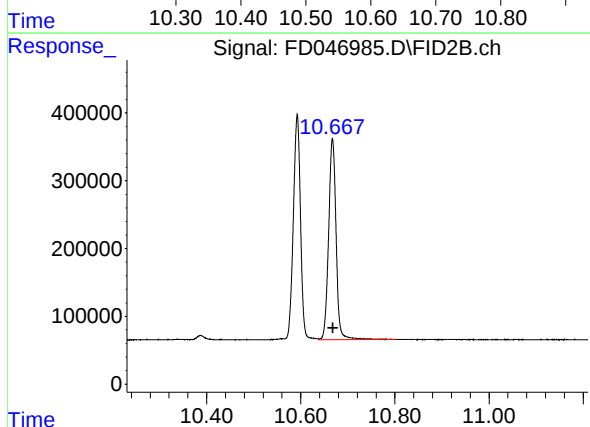
#9 Phenanthrene (C19.36)

R.T.: 10.592 min
Delta R.T.: 0.000 min
Response: 3516929
Conc: 21.42 ug/ml

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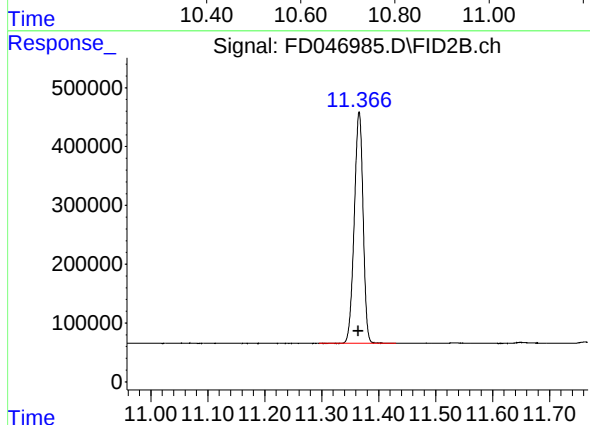
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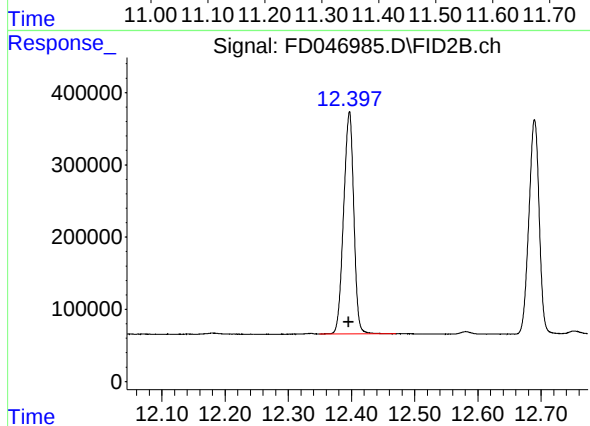
#10 Anthracene (C19.43)

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 3259197
Conc: 21.08 ug/ml



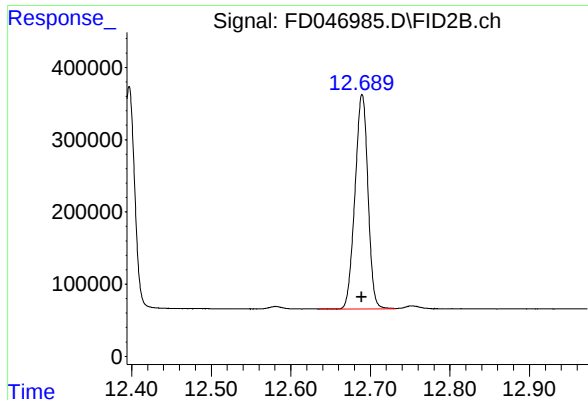
#11 ortho-Terphenyl (SURRE)

R.T.: 11.366 min
Delta R.T.: 0.001 min
Response: 4231796
Conc: 21.27 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.397 min
Delta R.T.: 0.001 min
Response: 3451557
Conc: 21.78 ug/ml



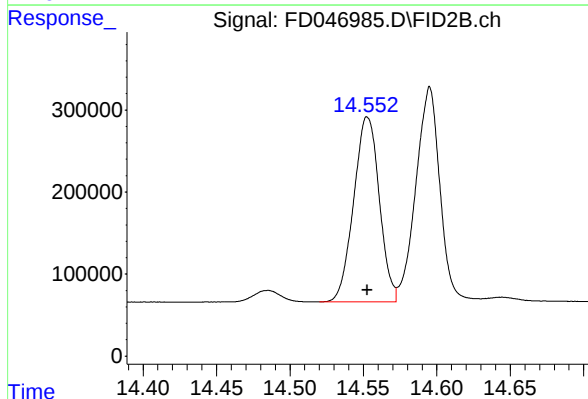
#13 Pyrene (C20.8)

R.T.: 12.690 min
Delta R.T.: 0.000 min
Response: 3369784
Conc: 22.02 ug/ml

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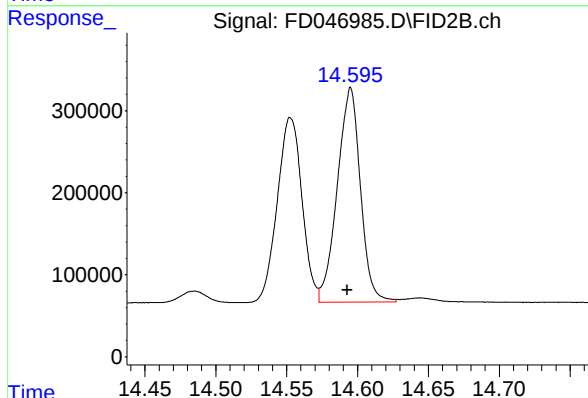
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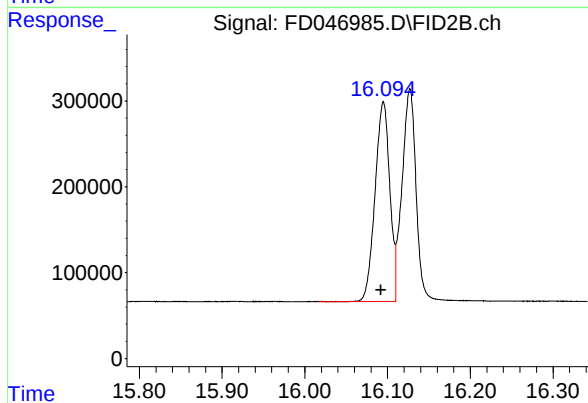
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.552 min
Delta R.T.: 0.000 min
Response: 2736284
Conc: 21.10 ug/ml m



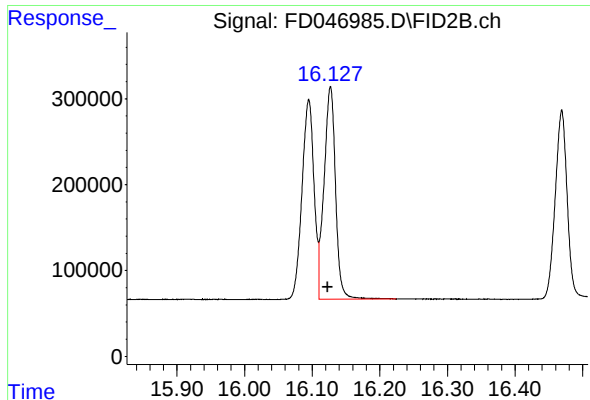
#15 Chrysene (C27.41)

R.T.: 14.595 min
Delta R.T.: 0.002 min
Response: 2965072
Conc: 20.69 ug/ml m



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

R.T.: 16.095 min
Delta R.T.: 0.003 min
Response: 2873254
Conc: 21.51 ug/ml



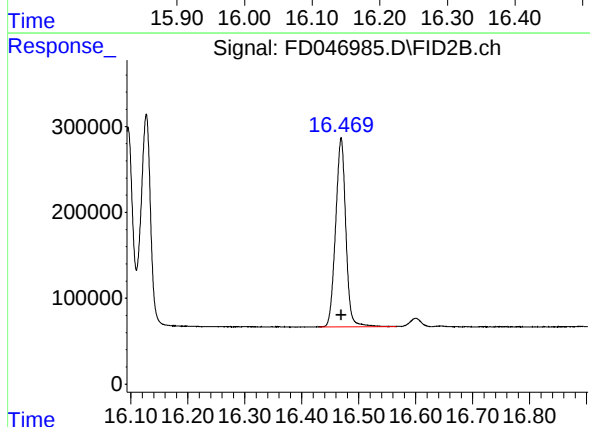
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.127 min
Delta R.T.: 0.004 min
Response: 2938810
Conc: 21.51 ug/ml

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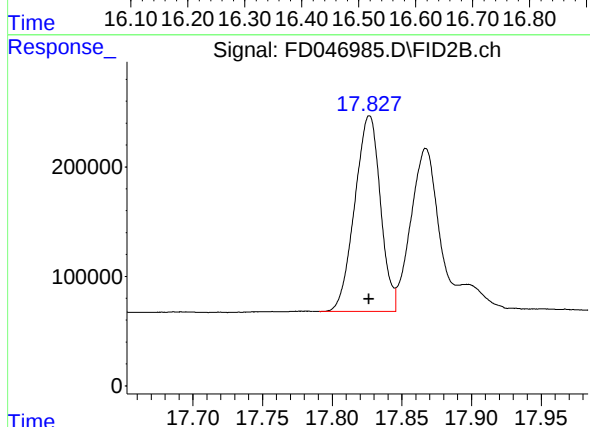
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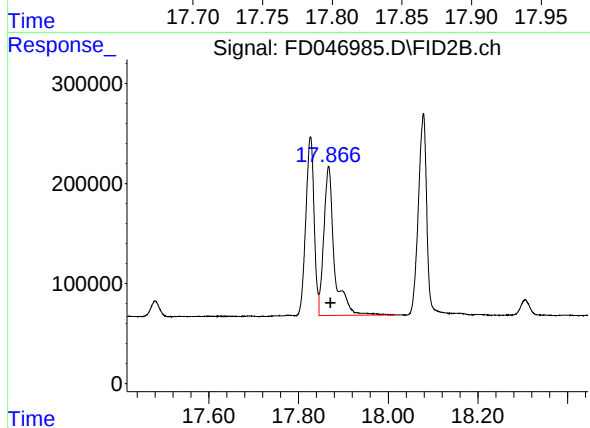
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 2736759
Conc: 20.89 ug/ml



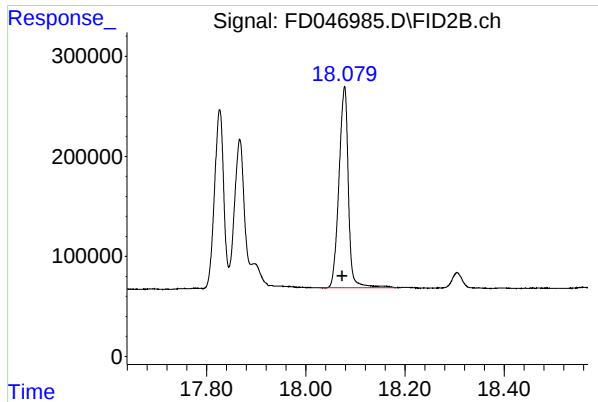
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.827 min
Delta R.T.: 0.000 min
Response: 2290997
Conc: 19.20 ug/ml



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

R.T.: 17.867 min
Delta R.T.: -0.004 min
Response: 2453987
Conc: 18.89 ug/ml



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

R.T.: 18.078 min
Delta R.T.: 0.003 min
Response: 2655762
Conc: 20.30 ug/ml

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