

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071724AR\
 Data File : FD048040.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2024 13:30
 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 07/18/2024
 Supervised By :Ankita Jodhani 07/19/2024

Integration File: autoint1.e
 Quant Time: Jul 18 03:41:24 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071524.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 15 13:13:15 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...	7.408	3058196	20.577 ug/mlm
Spiked Amount 50.000		Recovery =	41.15%
6) S 2-Fluorobiphenyl (SURR)	8.259	2031641	21.467 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.93%
11) S ortho-Terphenyl (SURR)	11.296	3465809	20.714 ug/mlm
Spiked Amount 50.000		Recovery =	41.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.227	3416319	20.402 ug/ml
2) T Naphthalene (C11.7)	5.747	3566827	20.640 ug/mlm
3) T 2-Methylnaphthalene (...)	6.795	3597553	20.738 ug/ml
5) T Acenaphthylene (C15.06)	8.062	3514770	20.510 ug/ml
7) T Acenaphthene (C15.5)	8.356	3536555	20.386 ug/mlm
8) T Flouorene (C16.55)	9.135	3457656	21.288 ug/ml
9) T Phenanthrene (C19.36)	10.524	3349540	21.091 ug/ml
10) T Anthracene (C19.43)	10.598	2940360	18.622 ug/ml
12) T Fluoranthene (C21.85)	12.328	3365765	21.258 ug/ml
13) T Pyrene (C20.8)	12.622	3324267	21.023 ug/ml
14) T Benzo[a]anthracene (C...	14.491	2992385	21.918 ug/ml
15) T Chrysene (C27.41)	14.532	3279478	20.344 ug/ml
16) T benzo[b]fluoranthene ...	16.038	3090625	21.472 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	3040306	20.356 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	3017342	21.303 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.777	2608776	23.130 ug/ml
20) T Dibenz[a,h]anthracene...	17.817	3264820	22.464 ug/ml
21) T Benzo[g,h,i]perylene ...	18.027	3049210	20.691 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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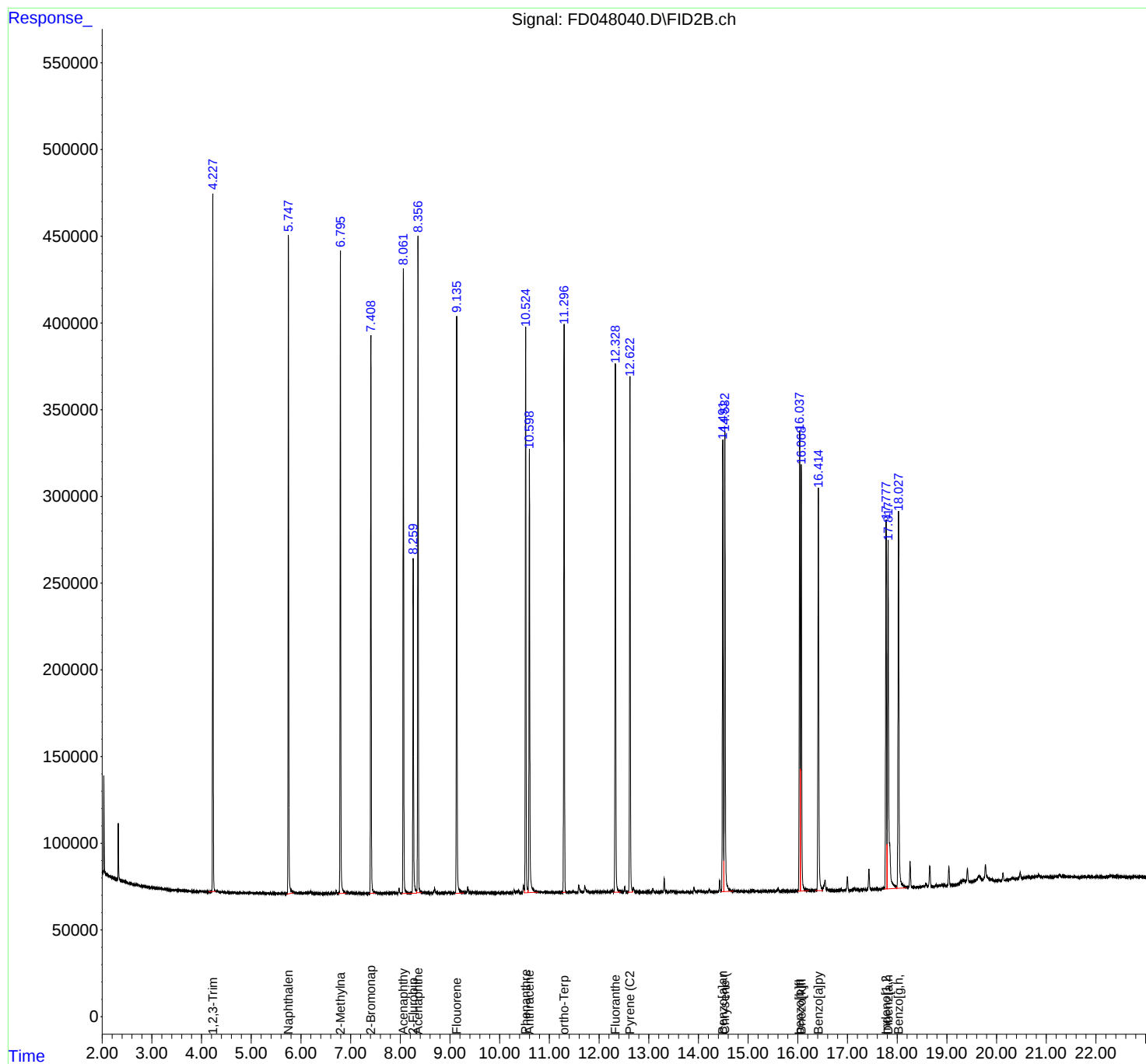
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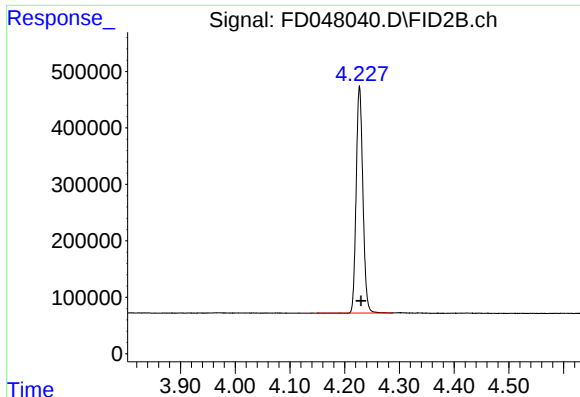
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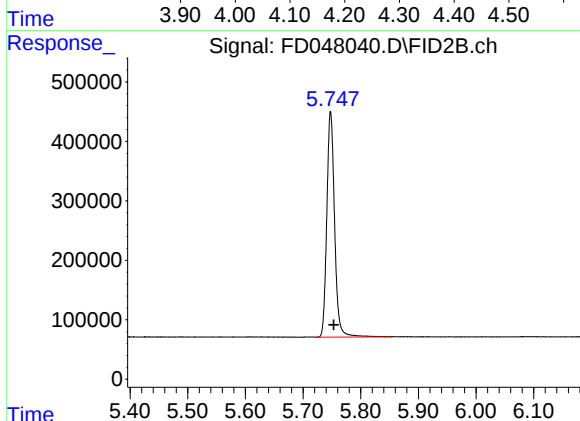
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.227 min
Delta R.T.: -0.003 min
Response: 3416319
Conc: 20.40 ug/ml

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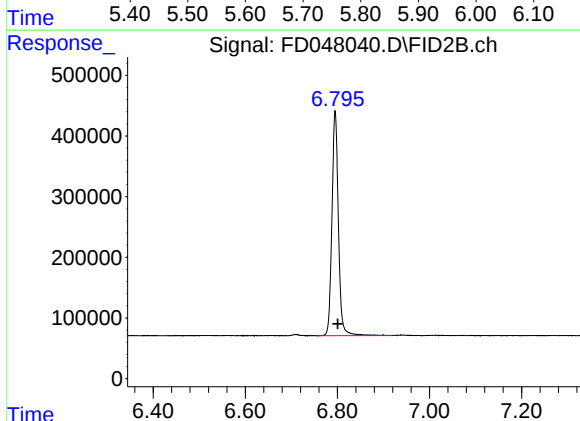
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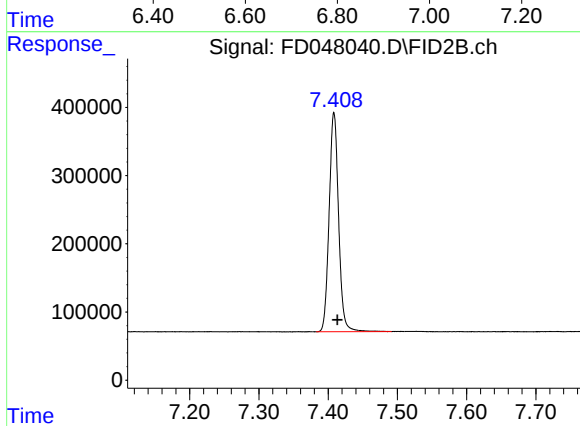
#2 Naphthalene (C11.7)

R.T.: 5.747 min
Delta R.T.: -0.006 min
Response: 3566827
Conc: 20.64 ug/ml m



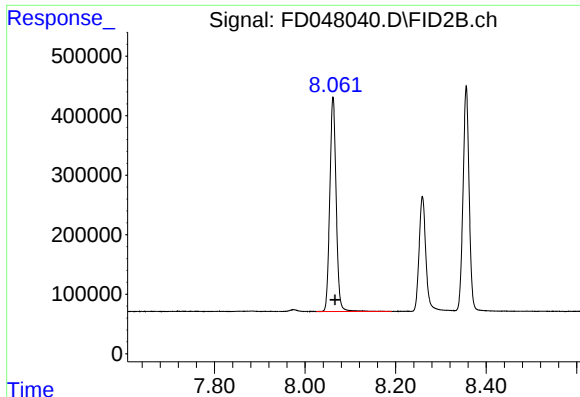
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.795 min
Delta R.T.: -0.006 min
Response: 3597553
Conc: 20.74 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.408 min
Delta R.T.: -0.005 min
Response: 3058196
Conc: 20.58 ug/ml m



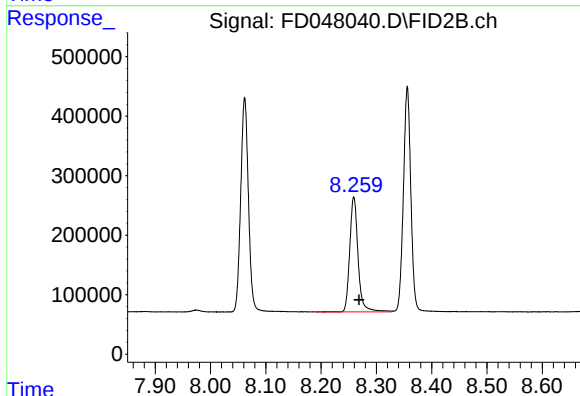
#5 Acenaphthylene (C15.06)

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 3514770
Conc: 20.51 ug/ml

Instrument :
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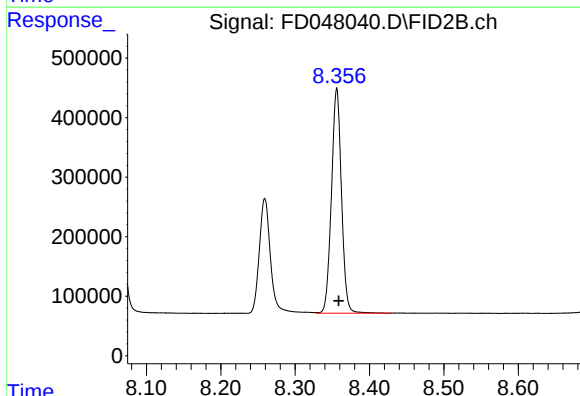
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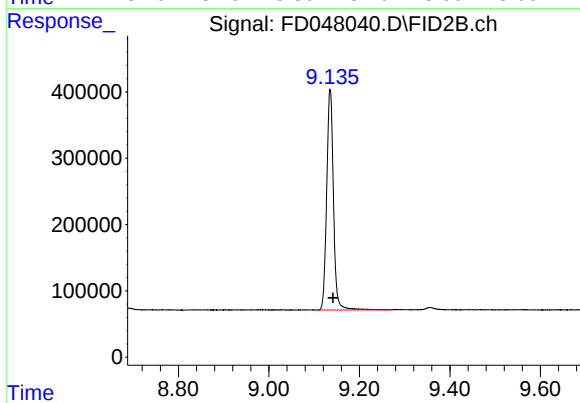
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.259 min
Delta R.T.: -0.010 min
Response: 2031641
Conc: 21.47 ug/ml



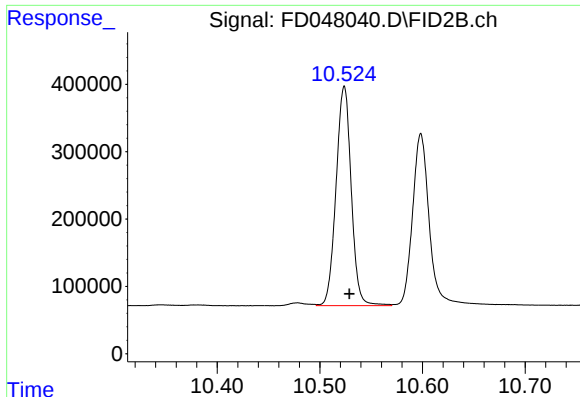
#7 Acenaphthene (C15.5)

R.T.: 8.356 min
Delta R.T.: -0.003 min
Response: 3536555
Conc: 20.39 ug/ml m



#8 Fluorene (C16.55)

R.T.: 9.135 min
Delta R.T.: -0.007 min
Response: 3457656
Conc: 21.29 ug/ml



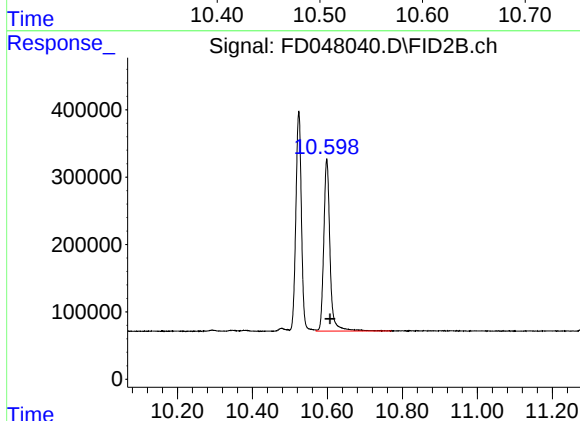
#9 Phenanthrene (C19.36)

R.T.: 10.524 min
Delta R.T.: -0.005 min
Response: 3349540
Conc: 21.09 ug/ml

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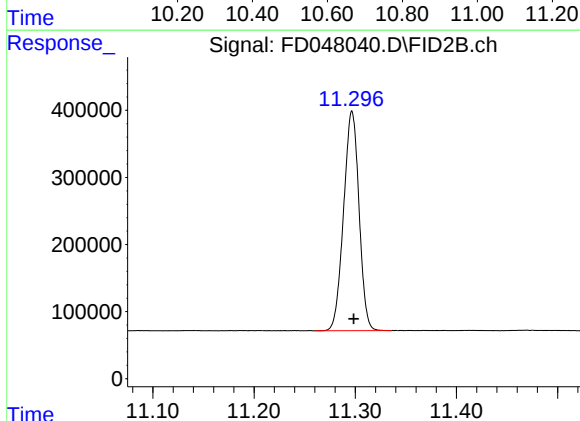
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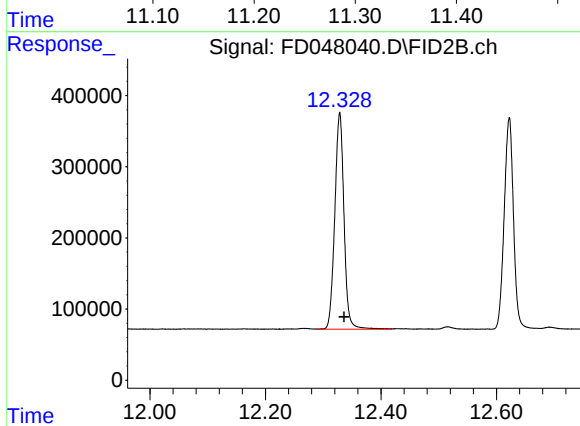
#10 Anthracene (C19.43)

R.T.: 10.598 min
Delta R.T.: -0.009 min
Response: 2940360
Conc: 18.62 ug/ml



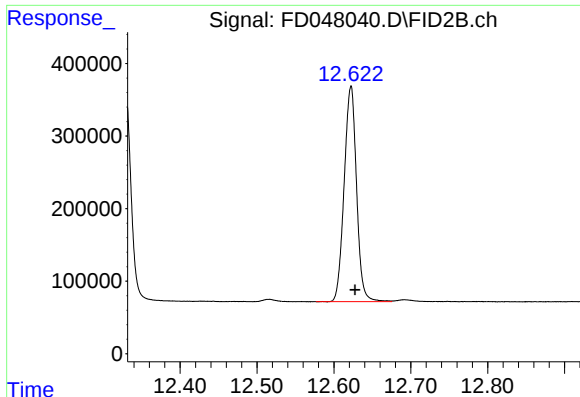
#11 ortho-Terphenyl (SURR)

R.T.: 11.296 min
Delta R.T.: -0.002 min
Response: 3465809
Conc: 20.71 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.328 min
Delta R.T.: -0.007 min
Response: 3365765
Conc: 21.26 ug/ml



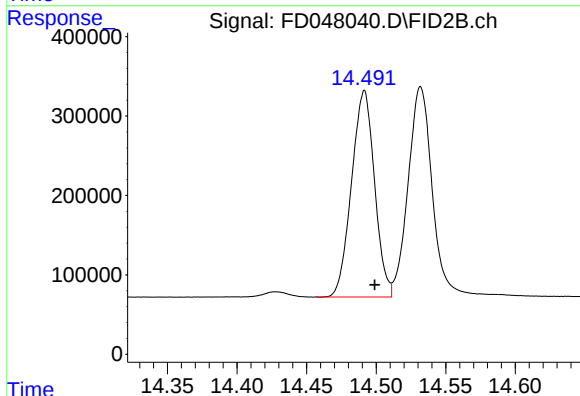
#13 Pyrene (C20.8)

R.T.: 12.622 min
Delta R.T.: -0.006 min
Response: 3324267
Conc: 21.02 ug/ml

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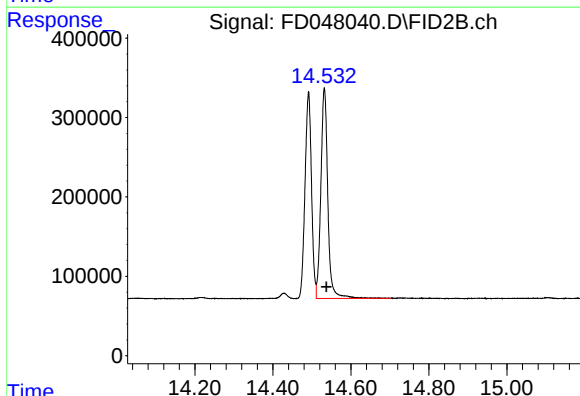
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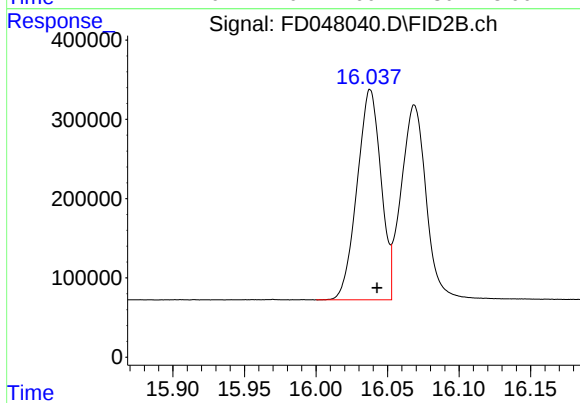
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.491 min
Delta R.T.: -0.008 min
Response: 2992385
Conc: 21.92 ug/ml



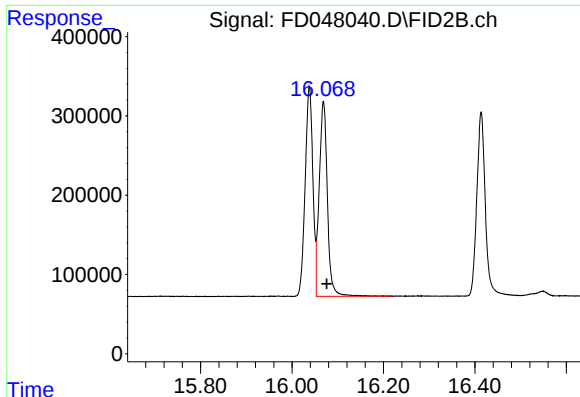
#15 Chrysene (C27.41)

R.T.: 14.532 min
Delta R.T.: -0.006 min
Response: 3279478
Conc: 20.34 ug/ml



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

R.T.: 16.038 min
Delta R.T.: -0.005 min
Response: 3090625
Conc: 21.47 ug/ml



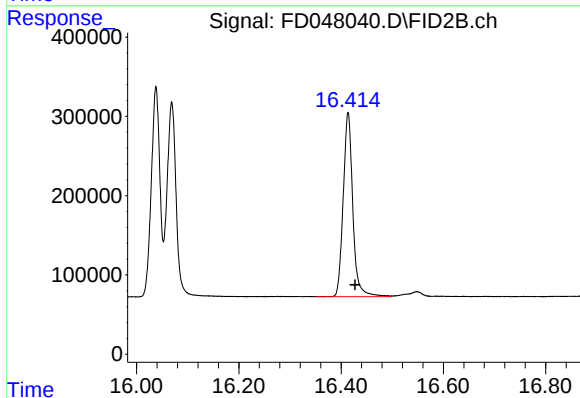
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.069 min
Delta R.T.: -0.007 min
Response: 3040306
Conc: 20.36 ug/ml

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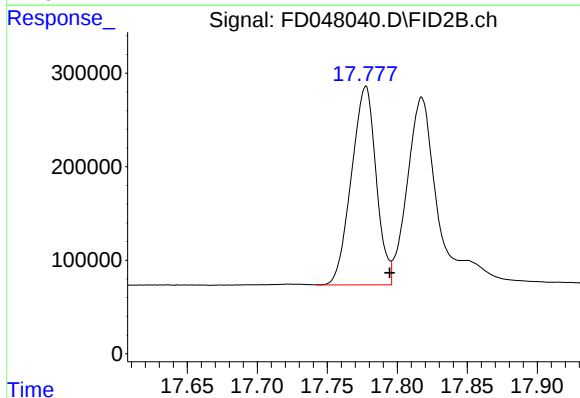
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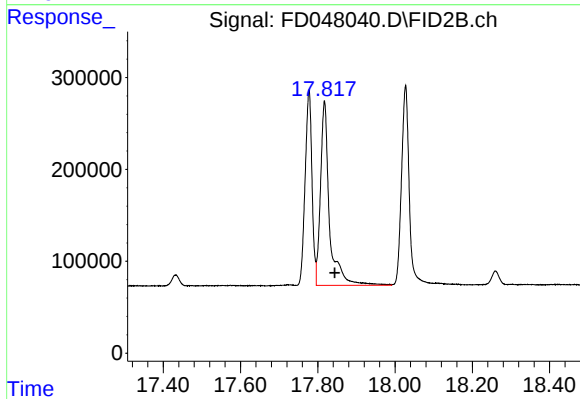
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: -0.014 min
Response: 3017342
Conc: 21.30 ug/ml



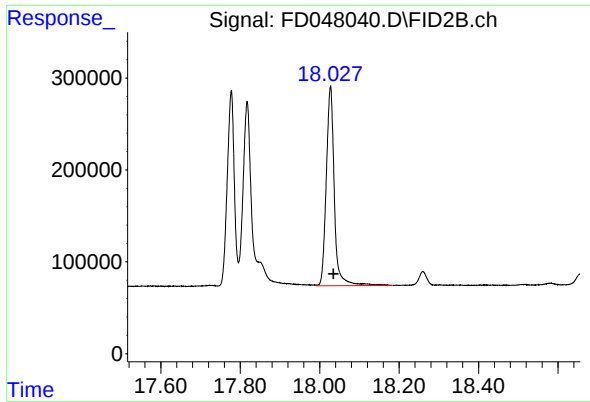
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.777 min
Delta R.T.: -0.017 min
Response: 2608776
Conc: 23.13 ug/ml



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

R.T.: 17.817 min
Delta R.T.: -0.027 min
Response: 3264820
Conc: 22.46 ug/ml



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

R.T.: 18.027 min
Delta R.T.: -0.008 min
Response: 3049210
Conc: 20.69 ug/ml

Instrument :

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