

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071724AR\
 Data File : FD048054.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jul 2024 23:13
 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 03:38:19 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	2912705	19.598 ug/ml
Spiked Amount 50.000		Recovery =	39.20%
6) S 2-Fluorobiphenyl (SURR)	8.259	1930550	20.399 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.80%
11) S ortho-Terphenyl (SURR)	11.296	3294908	19.692 ug/mlm
Spiked Amount 50.000		Recovery =	39.38%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.226	3267541	19.513 ug/mlm
2) T Naphthalene (C11.7)	5.748	3404961	19.703 ug/ml
3) T 2-Methylnaphthalene (...)	6.795	3421141	19.722 ug/ml
5) T Acenaphthylene (C15.06)	8.062	3336346	19.469 ug/ml
7) T Acenaphthene (C15.5)	8.357	3387373	19.526 ug/ml
8) T Flouorene (C16.55)	9.135	3256196	20.048 ug/mlm
9) T Phenanthrene (C19.36)	10.524	3190165	20.087 ug/ml
10) T Anthracene (C19.43)	10.598	2760079	17.480 ug/mlm
12) T Fluoranthene (C21.85)	12.328	3170546	20.025 ug/mlm
13) T Pyrene (C20.8)	12.621	3139268	19.853 ug/ml
14) T Benzo[a]anthracene (C...	14.491	2833569	20.755 ug/ml
15) T Chrysene (C27.41)	14.533	3066257	19.021 ug/ml
16) T benzo[b]fluoranthene ...	16.037	2917067	20.266 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.069	2814482	18.844 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.414	2847561	20.105 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.776	2498121	22.149 ug/ml
20) T Dibenz[a,h]anthracene...	17.816	3056569	21.031 ug/ml
21) T Benzo[g,h,i]perylene ...	18.027	2771328	18.805 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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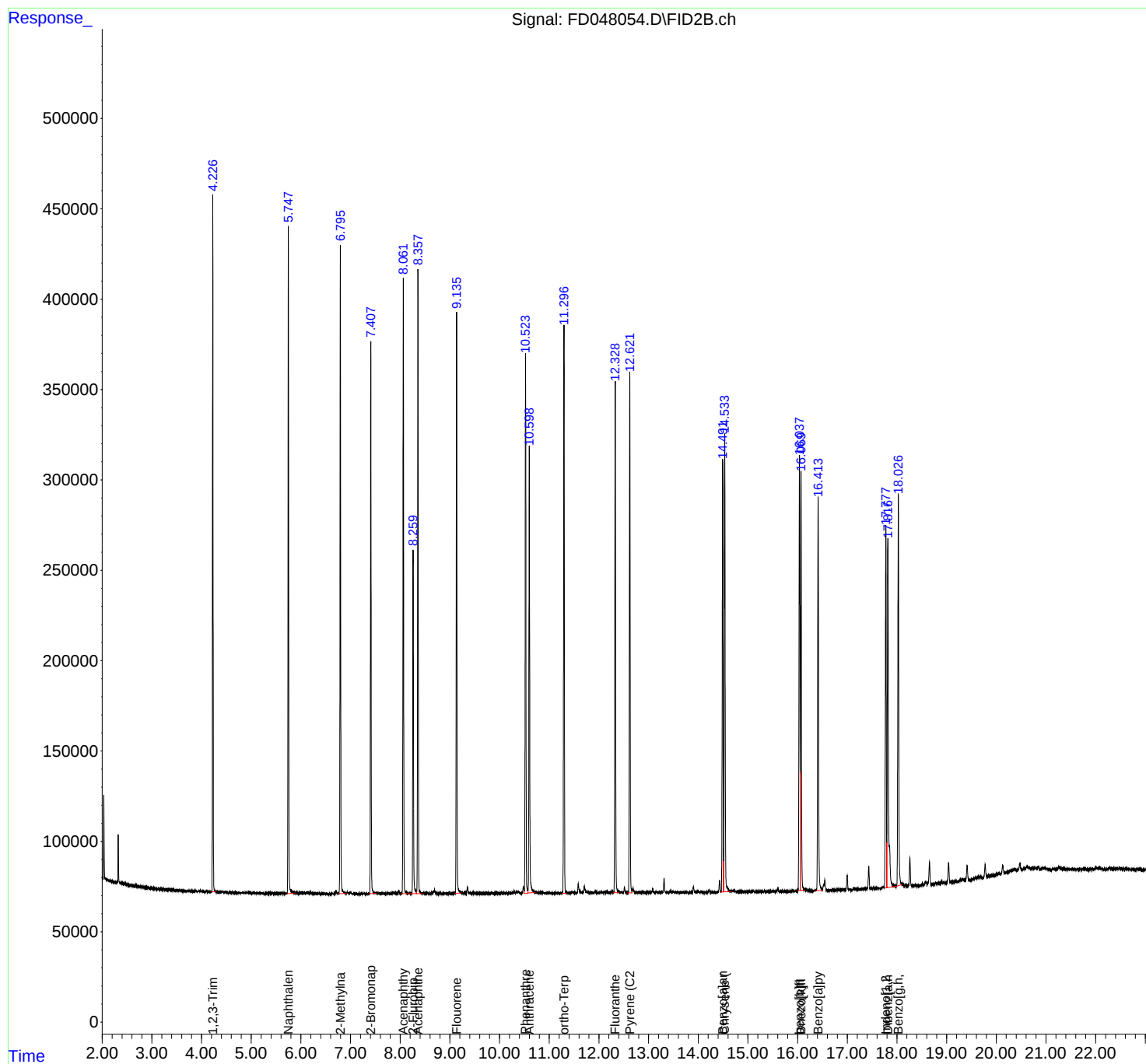
Instrument :
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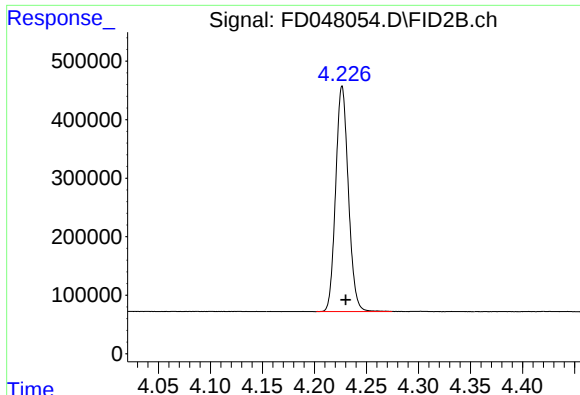
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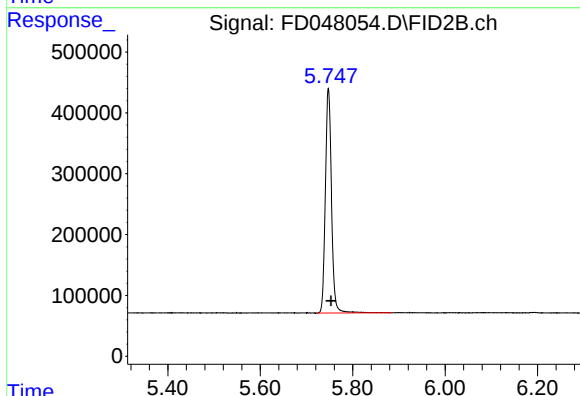
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.226 min
Delta R.T.: -0.004 min
Response: 3267541
Conc: 19.51 ug/ml

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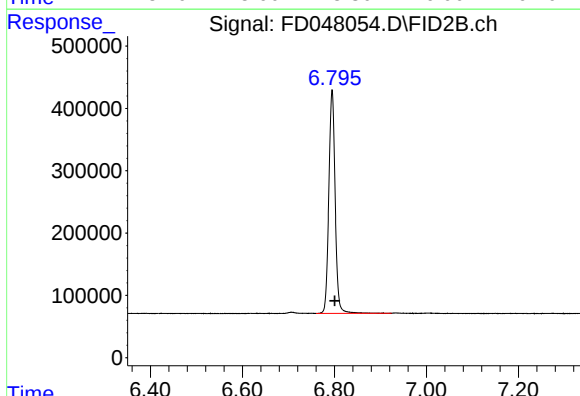
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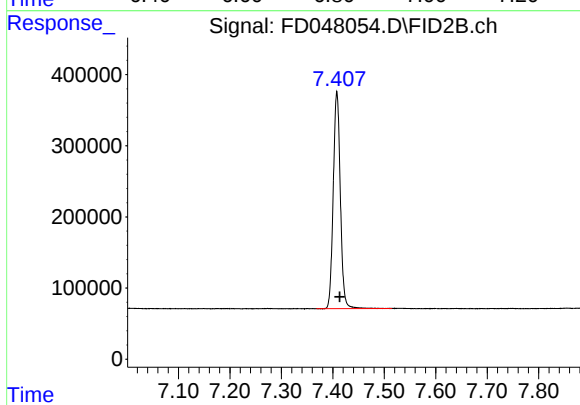
#2 Naphthalene (C11.7)

R.T.: 5.748 min
Delta R.T.: -0.006 min
Response: 3404961
Conc: 19.70 ug/ml



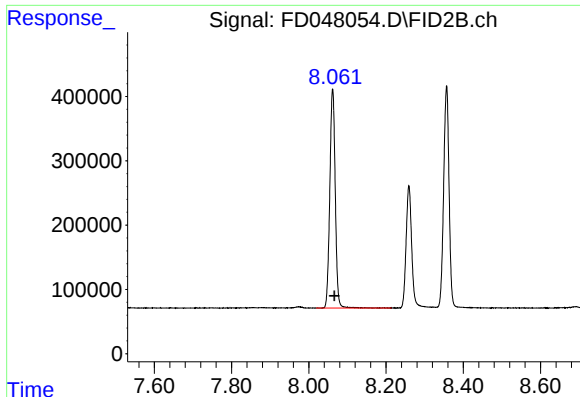
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.795 min
Delta R.T.: -0.006 min
Response: 3421141
Conc: 19.72 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.408 min
Delta R.T.: -0.005 min
Response: 2912705
Conc: 19.60 ug/ml



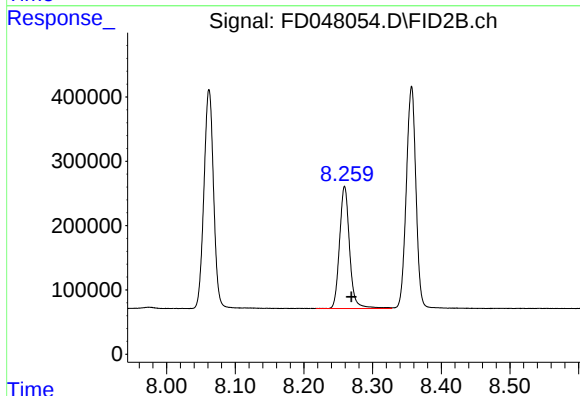
#5 Acenaphthylene (C15.06)

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 3336346
Conc: 19.47 ug/ml

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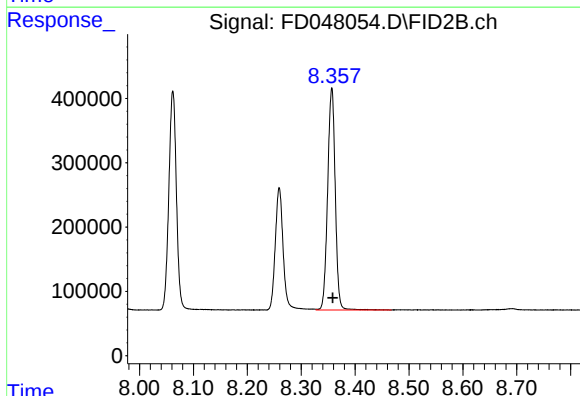
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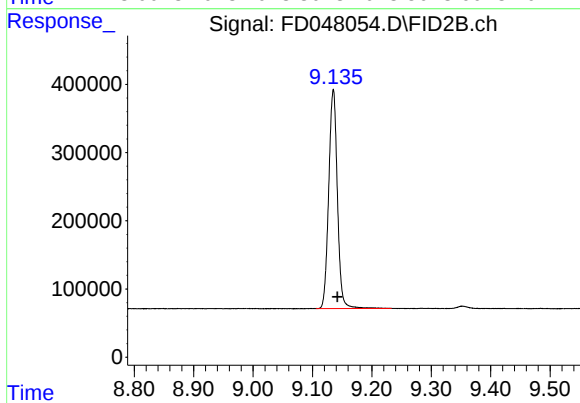
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.259 min
Delta R.T.: -0.010 min
Response: 1930550
Conc: 20.40 ug/ml



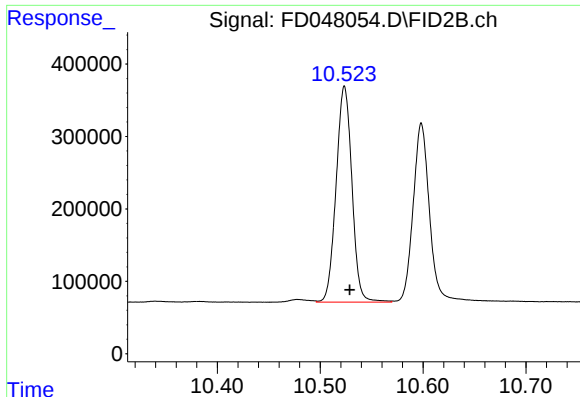
#7 Acenaphthene (C15.5)

R.T.: 8.357 min
Delta R.T.: -0.002 min
Response: 3387373
Conc: 19.53 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.135 min
Delta R.T.: -0.007 min
Response: 3256196
Conc: 20.05 ug/ml m



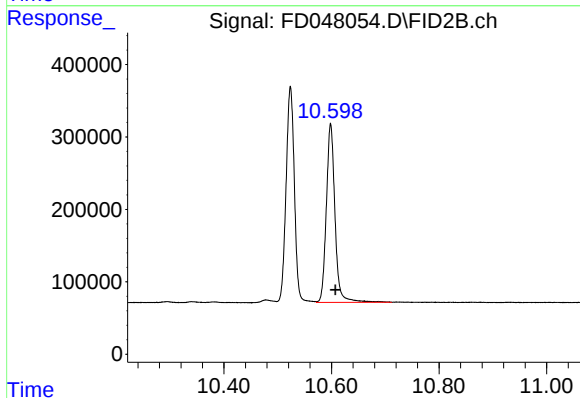
#9 Phenanthrene (C19.36)

R.T.: 10.524 min
Delta R.T.: -0.005 min
Response: 3190165
Conc: 20.09 ug/ml

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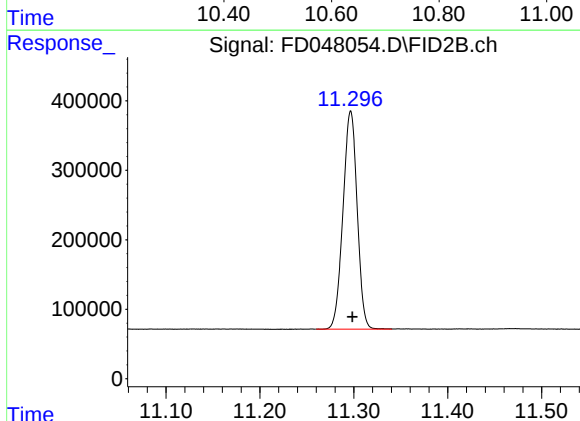
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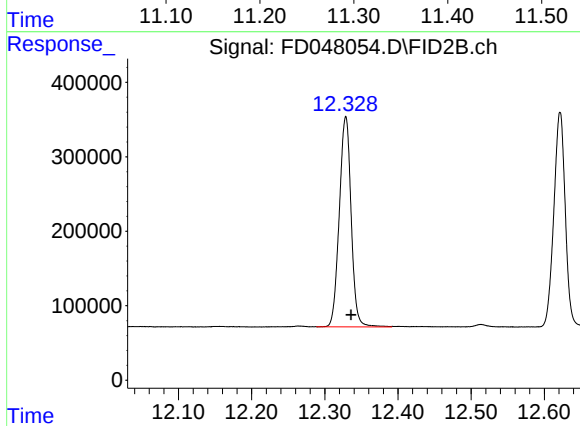
#10 Anthracene (C19.43)

R.T.: 10.598 min
Delta R.T.: -0.009 min
Response: 2760079
Conc: 17.48 ug/ml m



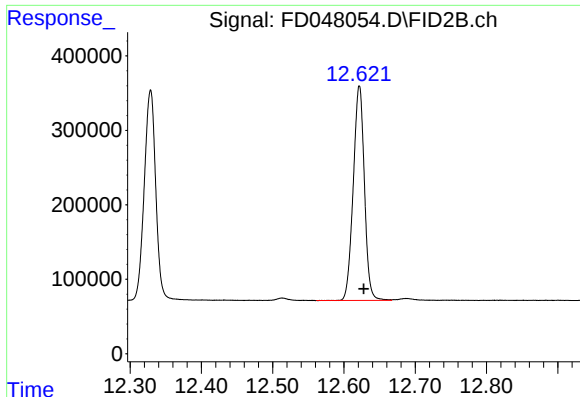
#11 ortho-Terphenyl (SURR)

R.T.: 11.296 min
Delta R.T.: -0.002 min
Response: 3294908
Conc: 19.69 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.328 min
Delta R.T.: -0.007 min
Response: 3170546
Conc: 20.02 ug/ml m



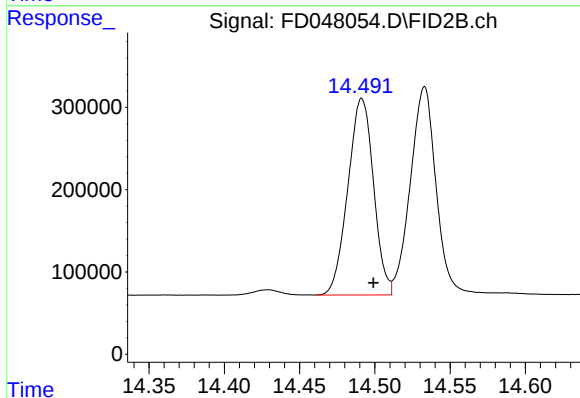
#13 Pyrene (C20.8)

R.T.: 12.621 min
Delta R.T.: -0.006 min
Response: 3139268
Conc: 19.85 ug/ml

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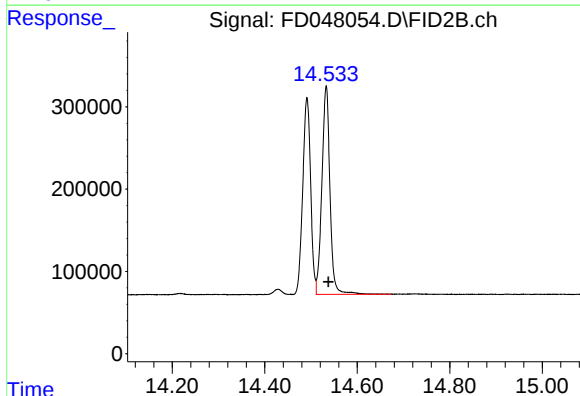
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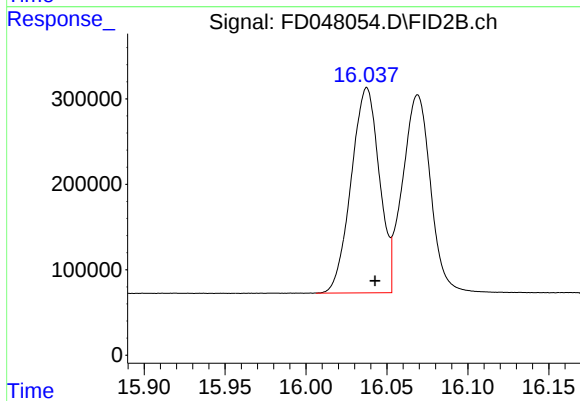
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.491 min
Delta R.T.: -0.008 min
Response: 2833569
Conc: 20.75 ug/ml



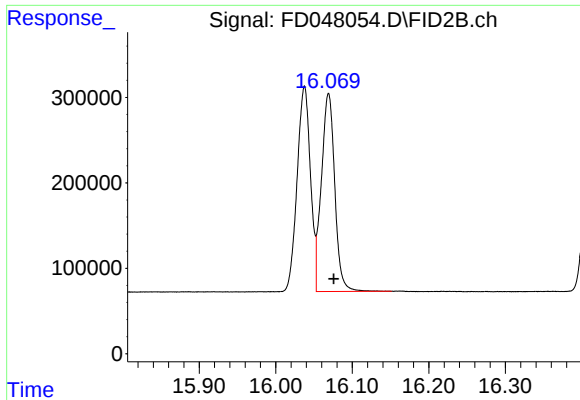
#15 Chrysene (C27.41)

R.T.: 14.533 min
Delta R.T.: -0.005 min
Response: 3066257
Conc: 19.02 ug/ml



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

R.T.: 16.037 min
Delta R.T.: -0.005 min
Response: 2917067
Conc: 20.27 ug/ml m



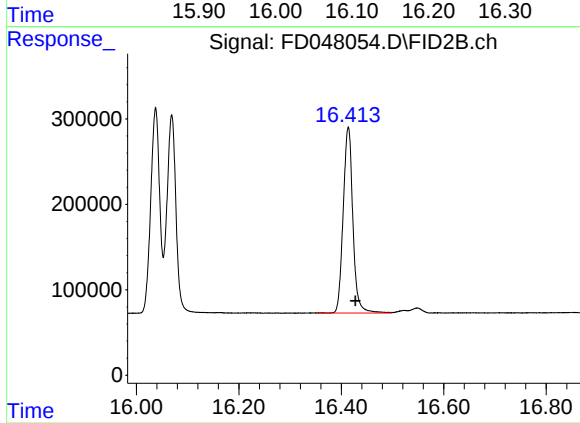
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.069 min
Delta R.T.: -0.007 min
Response: 2814482
Conc: 18.84 ug/ml

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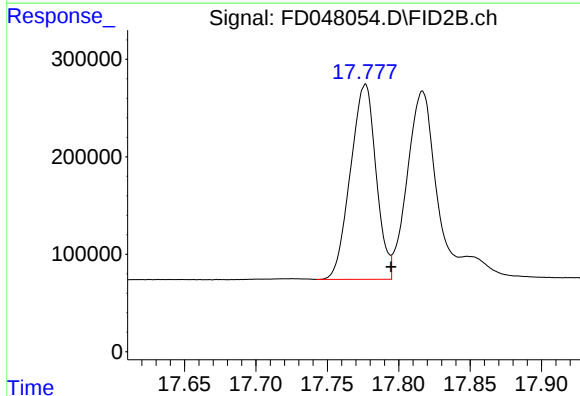
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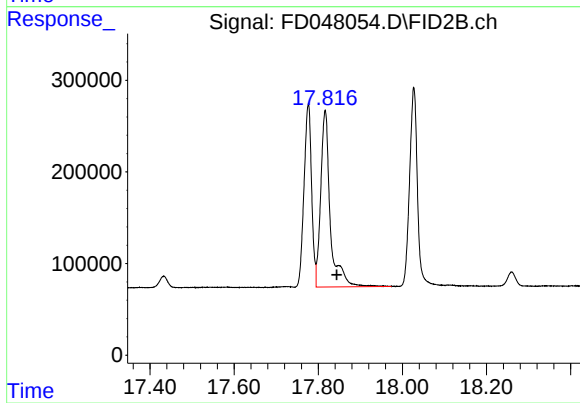
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.414 min
Delta R.T.: -0.014 min
Response: 2847561
Conc: 20.10 ug/ml



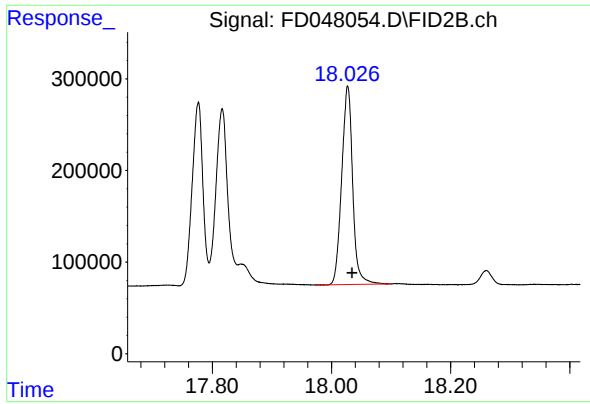
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.776 min
Delta R.T.: -0.018 min
Response: 2498121
Conc: 22.15 ug/ml



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

R.T.: 17.816 min
Delta R.T.: -0.027 min
Response: 3056569
Conc: 21.03 ug/ml



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

R.T.: 18.027 min
Delta R.T.: -0.008 min
Response: 2771328
Conc: 18.81 ug/ml

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