

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082823AR\
 Data File : FD046402.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2023 21:39
 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 08/29/2023
 Supervised By :Ankita Jodhani 08/29/2023

Integration File: autoint1.e
 Quant Time: Aug 28 22:33:47 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082223.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 22 12:26:56 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...	7.496	3241535	19.194 ug/ml
Spiked Amount 50.000		Recovery =	38.39%
6) S 2-Fluorobiphenyl (SURR)	8.350	2140289	19.232 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.46%
11) S ortho-Terphenyl (SURR)	11.387	3782817	19.287 ug/ml
Spiked Amount 50.000		Recovery =	38.57%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.310	3345907	19.041 ug/ml
2) T Naphthalene (C11.7)	5.836	3507864	19.033 ug/ml
3) T 2-Methylnaphthalene (...)	6.884	3552673	19.134 ug/ml
5) T Acenaphthylene (C15.06)	8.154	3245464	19.071 ug/ml
7) T Acenaphthene (C15.5)	8.449	3463435	19.224 ug/ml
8) T Fluorene (C16.55)	9.226	3360263	19.213 ug/ml
9) T Phenanthrene (C19.36)	10.615	3290532	19.178 ug/mlm
10) T Anthracene (C19.43)	10.690	3048525	18.071 ug/ml
12) T Fluoranthene (C21.85)	12.419	3208064	19.283 ug/ml
13) T Pyrene (C20.8)	12.713	3090752	19.177 ug/ml
14) T Benzo[a]anthracene (C...	14.576	2670701	18.983 ug/ml
15) T Chrysene (C27.41)	14.618	2825521	19.048 ug/ml
16) T benzo[b]fluoranthene ...	16.118	2591887	19.075 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.150	2603333	19.190 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.492	2500748	18.979 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.848	2343699	18.789 ug/mlm
20) T Dibenz[a,h]anthracene...	17.891	2490209	19.873 ug/ml
21) T Benzo[g,h,i]perylene ...	18.100	2438424	19.014 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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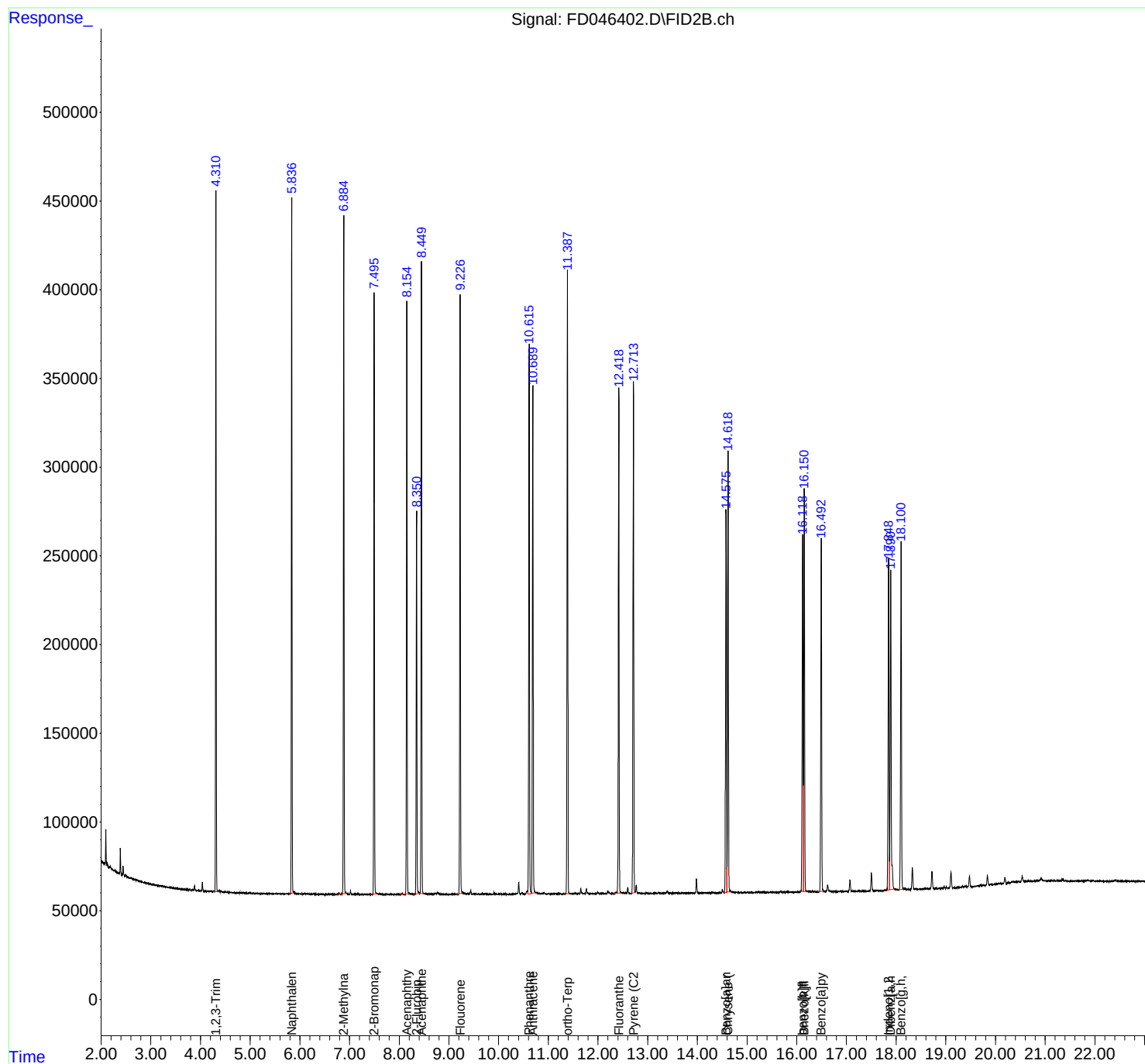
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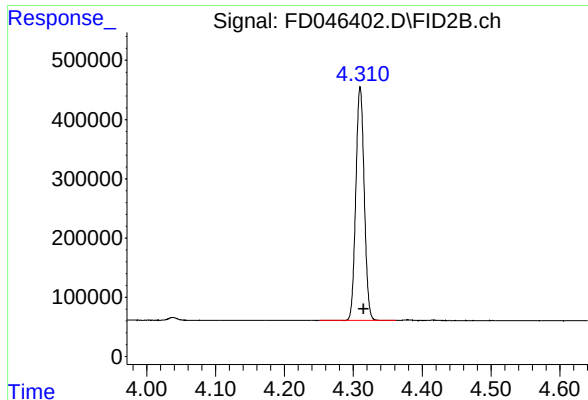
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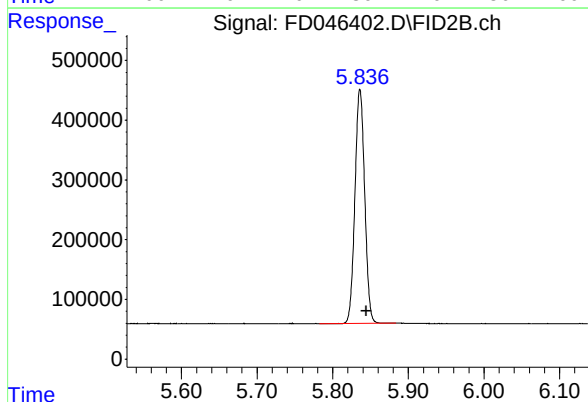
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.310 min
Delta R.T.: -0.005 min
Response: 3345907
Conc: 19.04 ug/ml

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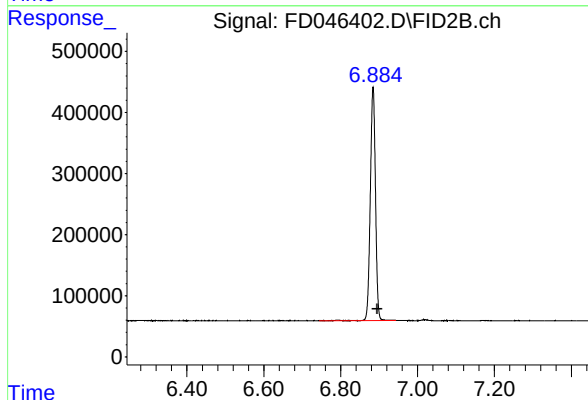
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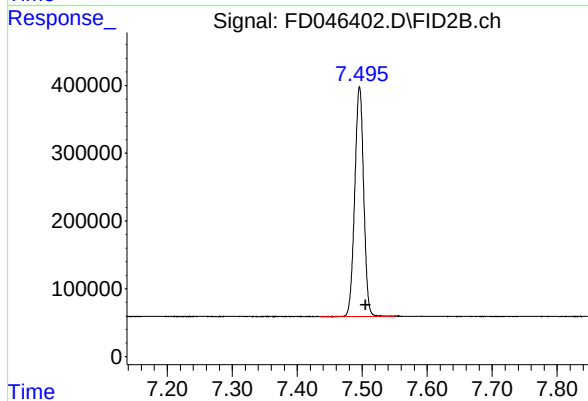
#2 Naphthalene (C11.7)

R.T.: 5.836 min
Delta R.T.: -0.008 min
Response: 3507864
Conc: 19.03 ug/ml



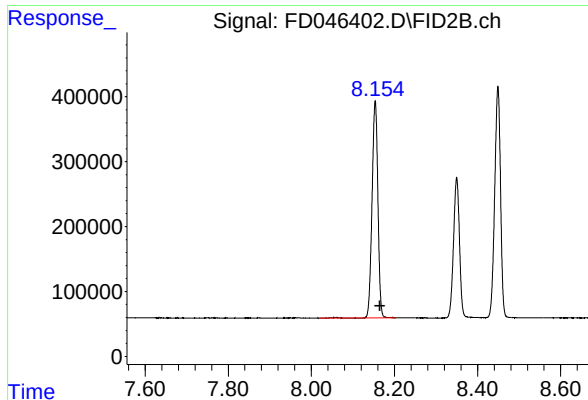
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.884 min
Delta R.T.: -0.011 min
Response: 3552673
Conc: 19.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.496 min
Delta R.T.: -0.010 min
Response: 3241535
Conc: 19.19 ug/ml



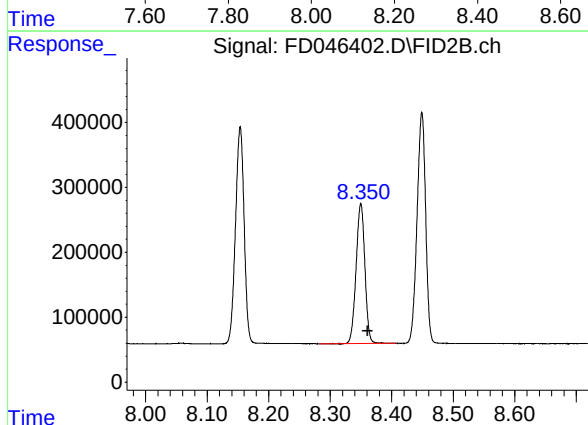
#5 Acenaphthylene (C15.06)

R.T.: 8.154 min
Delta R.T.: -0.011 min
Response: 3245464
Conc: 19.07 ug/ml

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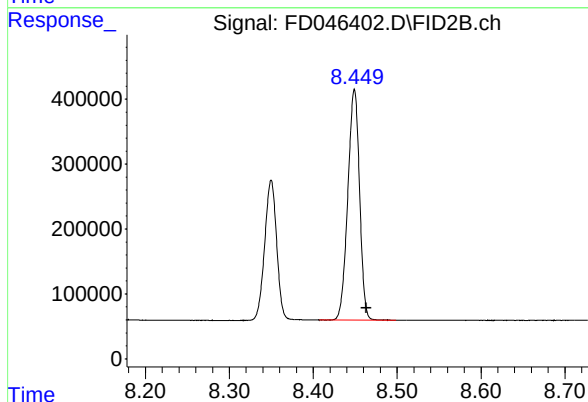
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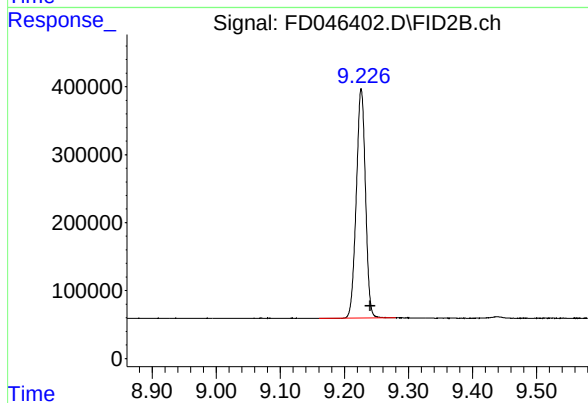
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.350 min
Delta R.T.: -0.011 min
Response: 2140289
Conc: 19.23 ug/ml



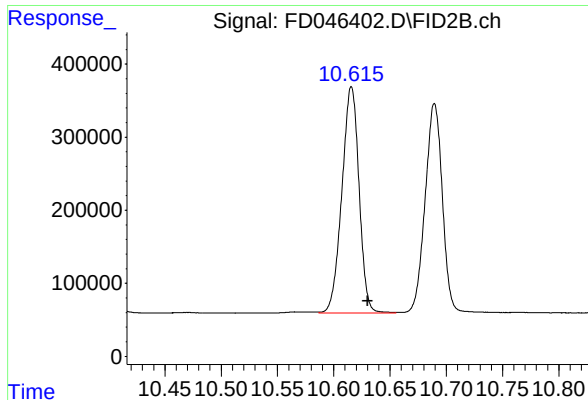
#7 Acenaphthene (C15.5)

R.T.: 8.449 min
Delta R.T.: -0.014 min
Response: 3463435
Conc: 19.22 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.226 min
Delta R.T.: -0.014 min
Response: 3360263
Conc: 19.21 ug/ml



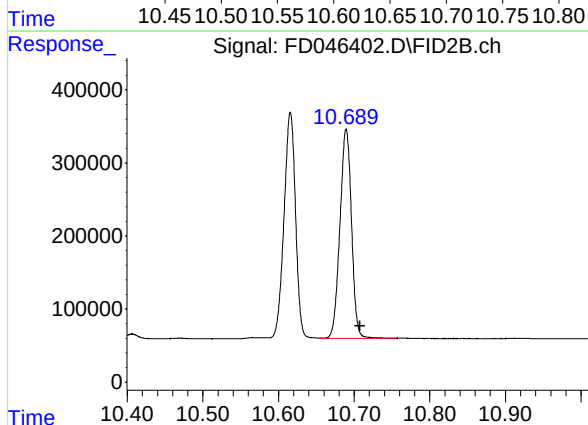
#9 Phenanthrene (C19.36)

R.T.: 10.615 min
Delta R.T.: -0.015 min
Response: 3290532
Conc: 19.18 ug/ml

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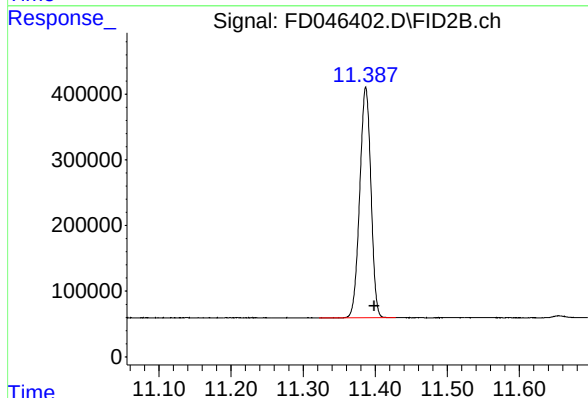
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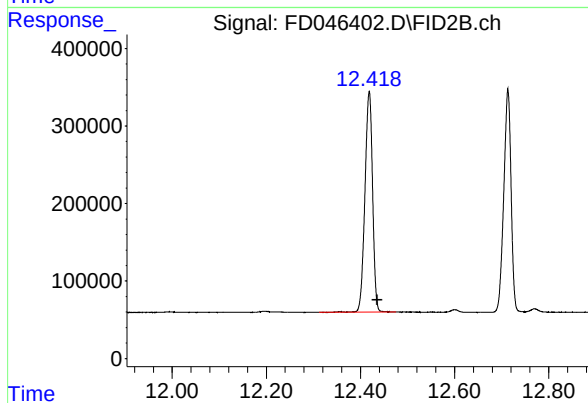
#10 Anthracene (C19.43)

R.T.: 10.690 min
Delta R.T.: -0.018 min
Response: 3048525
Conc: 18.07 ug/ml



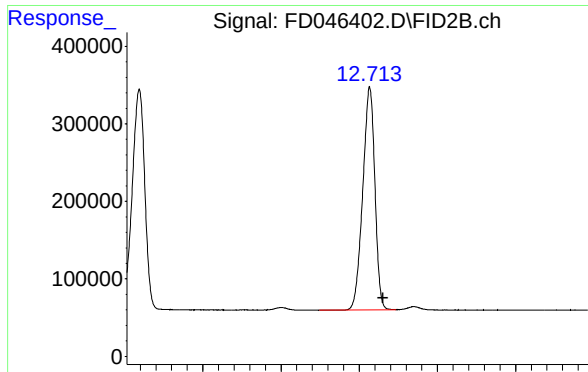
#11 ortho-Terphenyl (SURR)

R.T.: 11.387 min
Delta R.T.: -0.012 min
Response: 3782817
Conc: 19.29 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.419 min
Delta R.T.: -0.017 min
Response: 3208064
Conc: 19.28 ug/ml



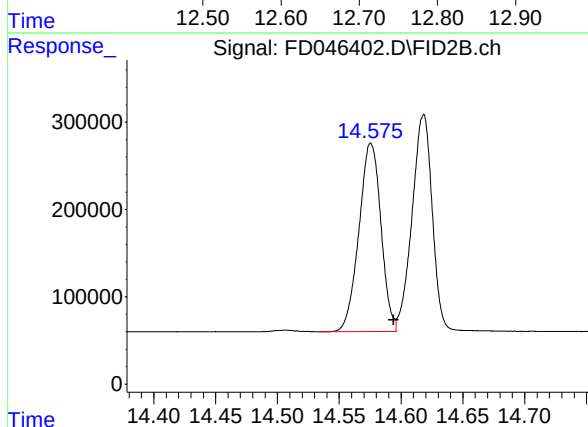
#13 Pyrene (C20.8)

R.T.: 12.713 min
Delta R.T.: -0.017 min
Response: 3090752
Conc: 19.18 ug/ml

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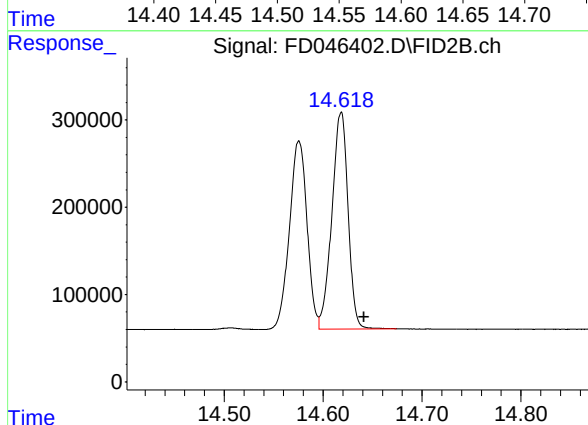
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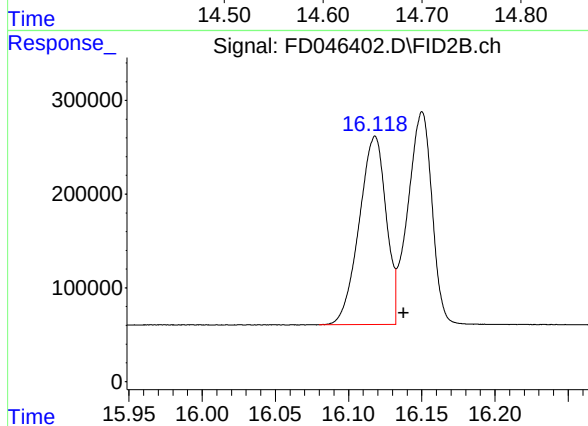
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.576 min
Delta R.T.: -0.018 min
Response: 2670701
Conc: 18.98 ug/ml



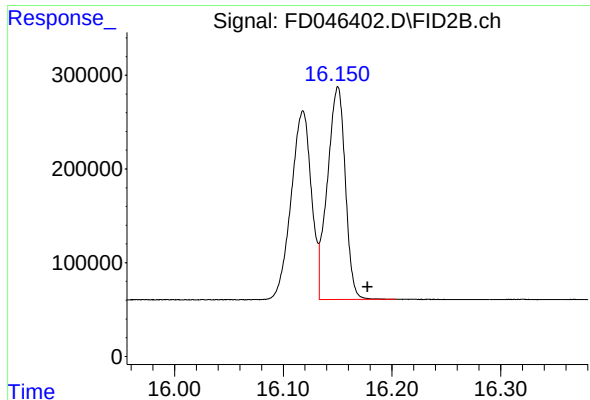
#15 Chrysene (C27.41)

R.T.: 14.618 min
Delta R.T.: -0.023 min
Response: 2825521
Conc: 19.05 ug/ml



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

R.T.: 16.118 min
Delta R.T.: -0.020 min
Response: 2591887
Conc: 19.07 ug/ml m



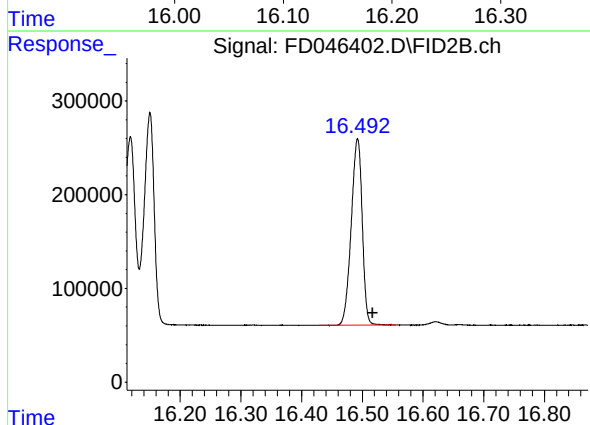
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.150 min
Delta R.T.: -0.028 min
Response: 2603333
Conc: 19.19 ug/ml

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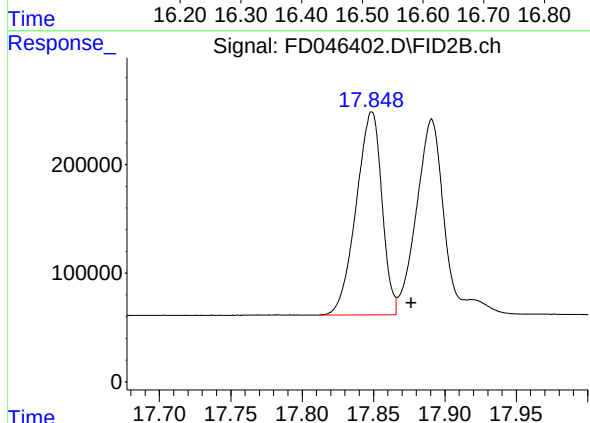
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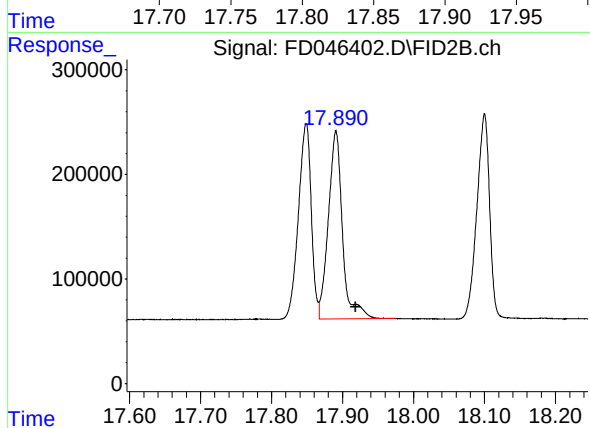
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.492 min
Delta R.T.: -0.025 min
Response: 2500748
Conc: 18.98 ug/ml



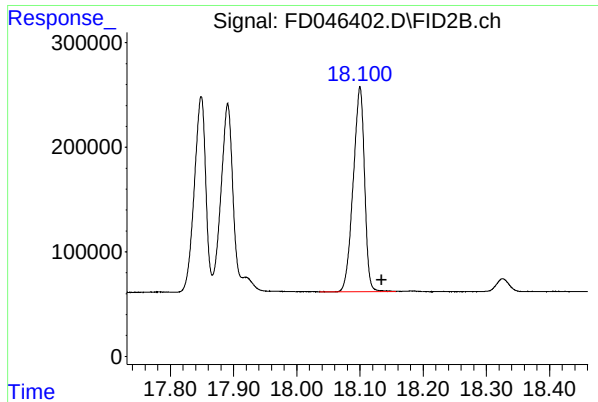
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.848 min
Delta R.T.: -0.028 min
Response: 2343699
Conc: 18.79 ug/ml m



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

R.T.: 17.891 min
Delta R.T.: -0.028 min
Response: 2490209
Conc: 19.87 ug/ml



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

R.T.: 18.100 min
Delta R.T.: -0.035 min
Response: 2438424
Conc: 19.01 ug/ml

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