

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091323AR\
 Data File : FD046466.D
 Signal(s) : FID2B.ch
 Acq On : 13 Sep 2023 14:31
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :Ankita Jodhani 09/14/2023

Integration File: autoint1.e
 Quant Time: Sep 14 02:58:30 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...	7.490	3737114	22.128 ug/ml
Spiked Amount 50.000		Recovery =	44.26%
6) S 2-Fluorobiphenyl (SURR)	8.344	2446201	21.980 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.96%
11) S ortho-Terphenyl (SURR)	11.383	4364034	22.251 ug/ml
Spiked Amount 50.000		Recovery =	44.50%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.302	3923842	22.330 ug/ml
2) T Naphthalene (C11.7)	5.829	4100022	22.246 ug/ml
3) T 2-Methylnaphthalene (...)	6.878	4122609	22.204 ug/ml
5) T Acenaphthylene (C15.06)	8.148	3734028	21.942 ug/ml
7) T Acenaphthene (C15.5)	8.443	3989500	22.144 ug/ml
8) T Fluorene (C16.55)	9.221	3845266	21.986 ug/ml
9) T Phenanthrene (C19.36)	10.610	3736652	21.778 ug/ml
10) T Anthracene (C19.43)	10.684	3245628	19.240 ug/ml
12) T Fluoranthene (C21.85)	12.413	3656418	21.978 ug/ml
13) T Pyrene (C20.8)	12.707	3506051	21.753 ug/ml
14) T Benzo[a]anthracene (C...	14.570	2950161	20.970 ug/mlm
15) T Chrysene (C27.41)	14.613	3156641	21.281 ug/mlm
16) T benzo[b]fluoranthene ...	16.112	2908138	21.402 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.145	2949242	21.739 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.487	2799479	21.246 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.843	2628918	21.076 ug/mlm
20) T Dibenz[a,h]anthracene...	17.885	2738312	21.853 ug/ml
21) T Benzo[g,h,i]perylene ...	18.096	2766941	21.576 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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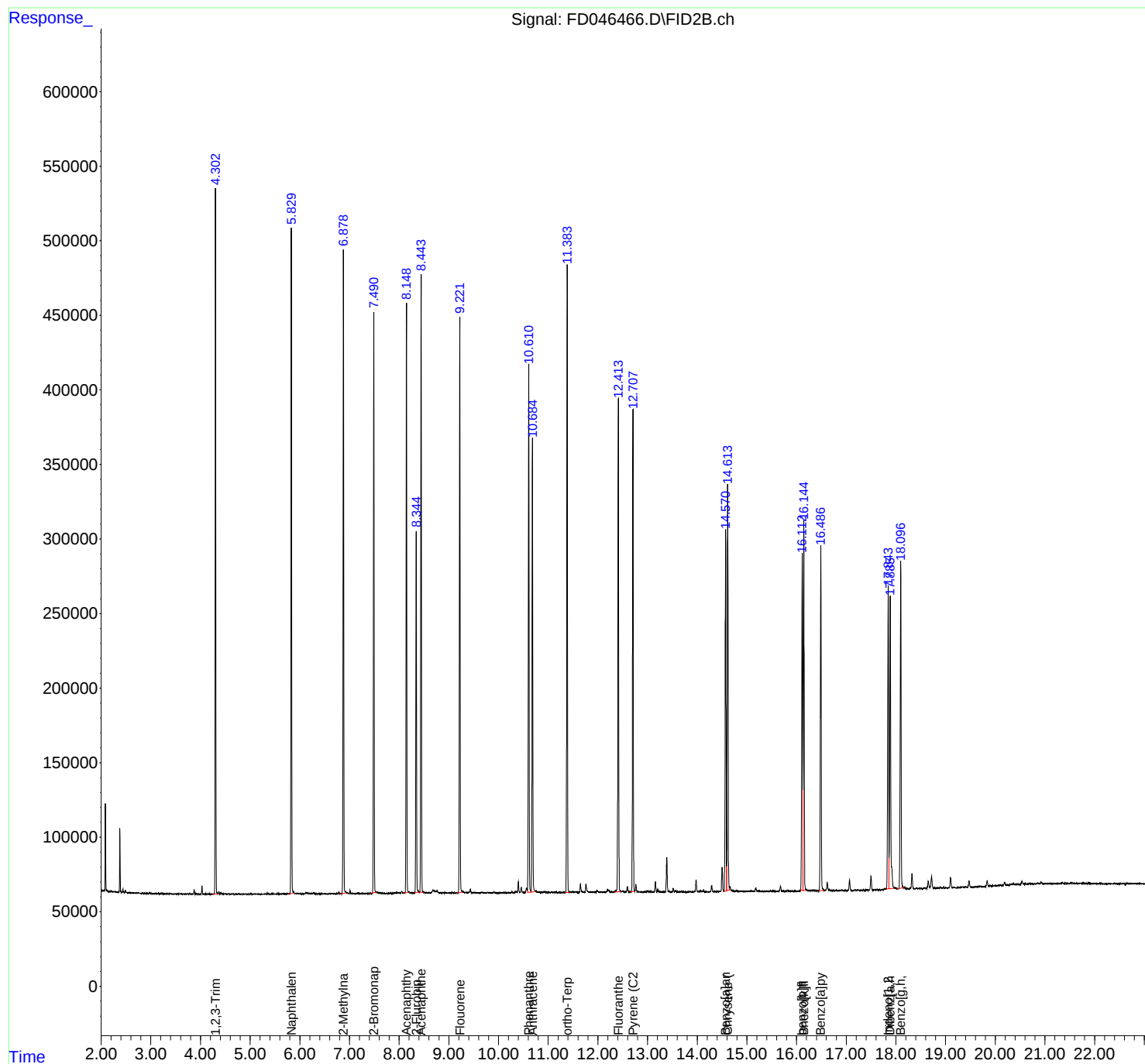
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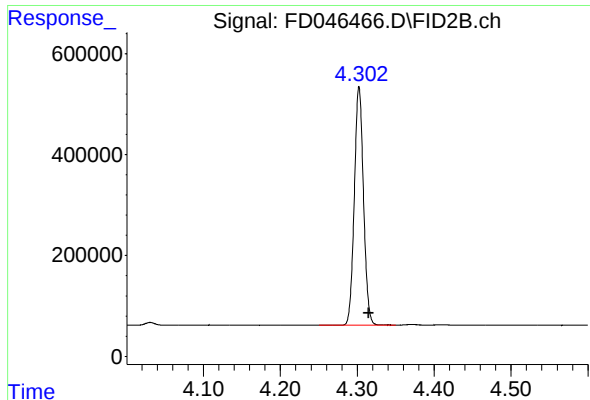
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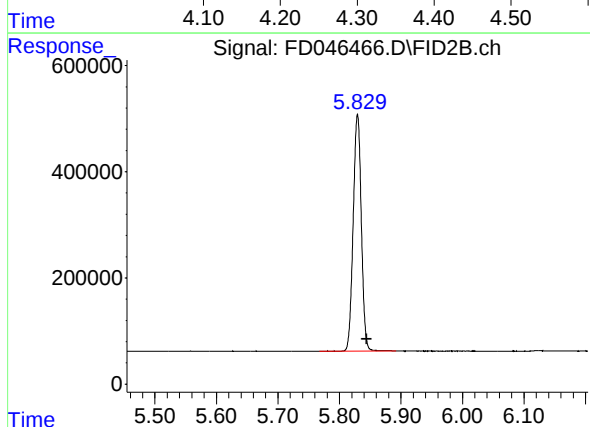
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.302 min
Delta R.T.: -0.013 min
Response: 3923842
Conc: 22.33 ug/ml

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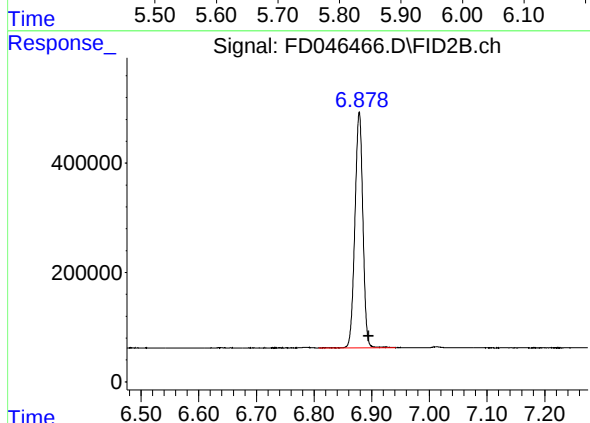
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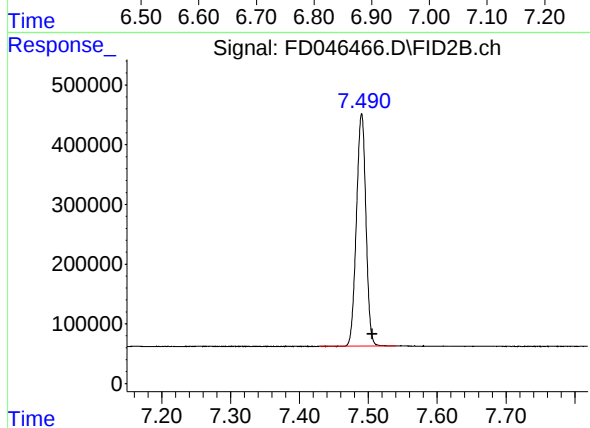
#2 Naphthalene (C11.7)

R.T.: 5.829 min
Delta R.T.: -0.015 min
Response: 4100022
Conc: 22.25 ug/ml



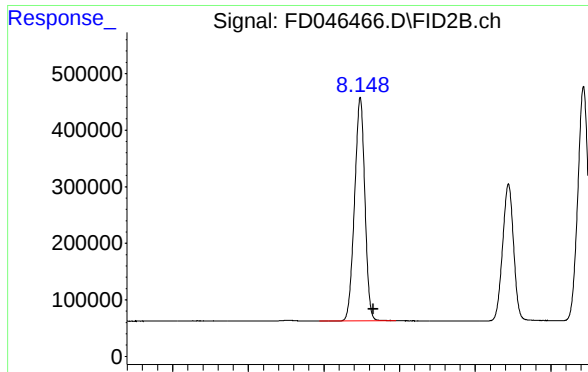
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.878 min
Delta R.T.: -0.017 min
Response: 4122609
Conc: 22.20 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.490 min
Delta R.T.: -0.015 min
Response: 3737114
Conc: 22.13 ug/ml



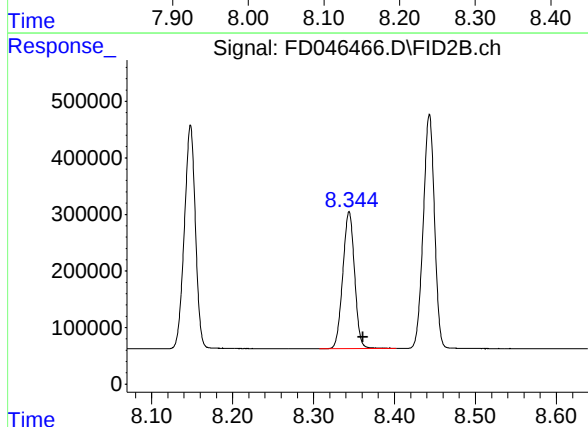
#5 Acenaphthylene (C15.06)

R.T.: 8.148 min
Delta R.T.: -0.017 min
Response: 3734028
Conc: 21.94 ug/ml

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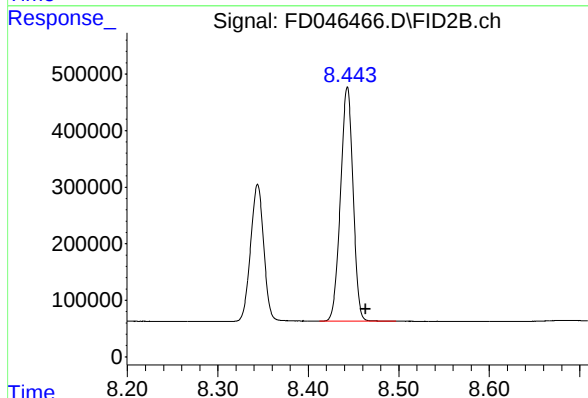
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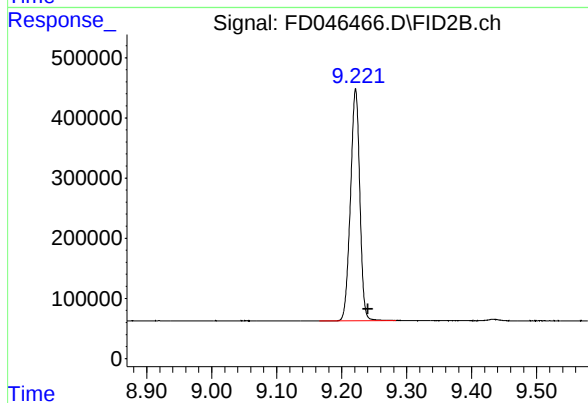
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: -0.017 min
Response: 2446201
Conc: 21.98 ug/ml



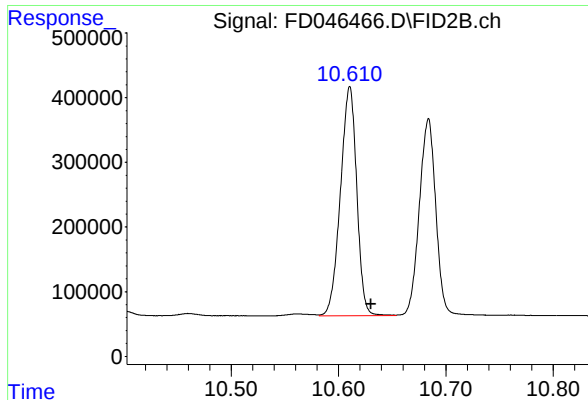
#7 Acenaphthene (C15.5)

R.T.: 8.443 min
Delta R.T.: -0.020 min
Response: 3989500
Conc: 22.14 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.221 min
Delta R.T.: -0.019 min
Response: 3845266
Conc: 21.99 ug/ml



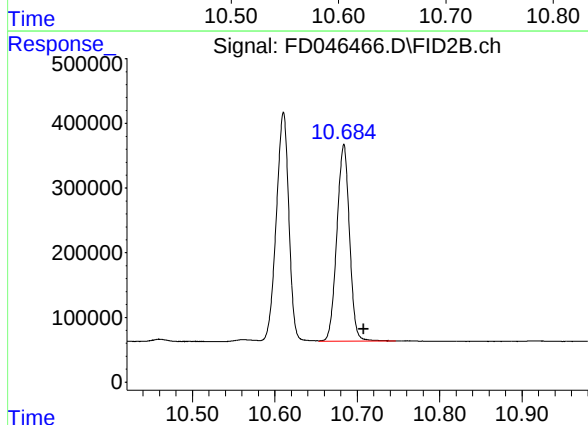
#9 Phenanthrene (C19.36)

R.T.: 10.610 min
Delta R.T.: -0.020 min
Response: 3736652
Conc: 21.78 ug/ml

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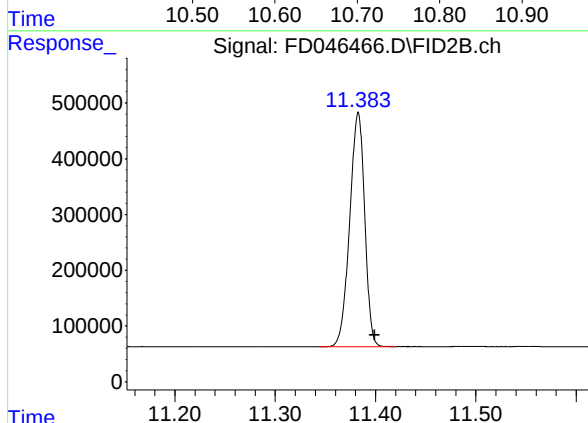
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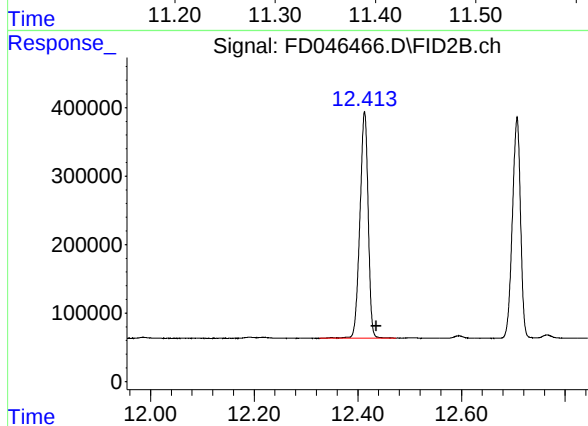
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.024 min
Response: 3245628
Conc: 19.24 ug/ml



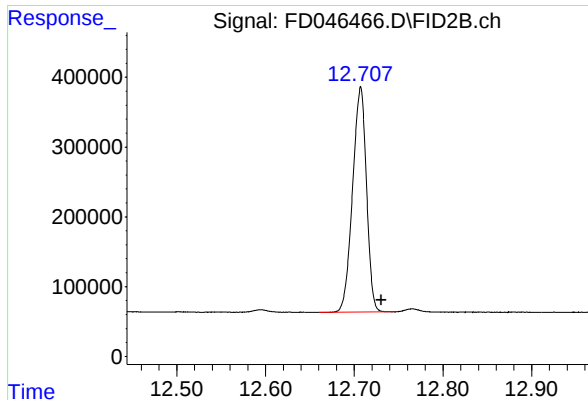
#11 ortho-Terphenyl (SURR)

R.T.: 11.383 min
Delta R.T.: -0.017 min
Response: 4364034
Conc: 22.25 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.413 min
Delta R.T.: -0.023 min
Response: 3656418
Conc: 21.98 ug/ml



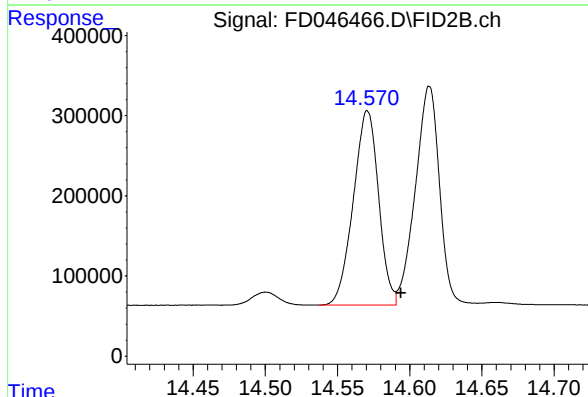
#13 Pyrene (C20.8)

R.T.: 12.707 min
Delta R.T.: -0.024 min
Response: 3506051
Conc: 21.75 ug/ml

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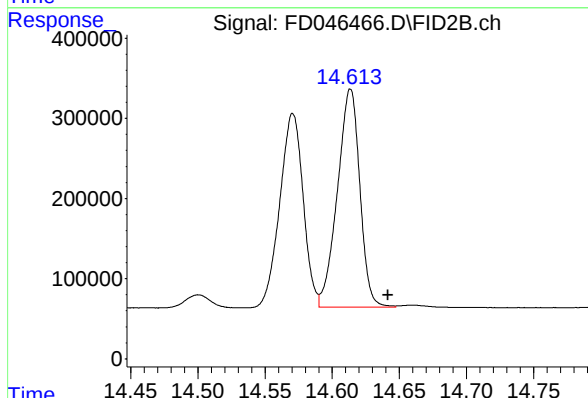
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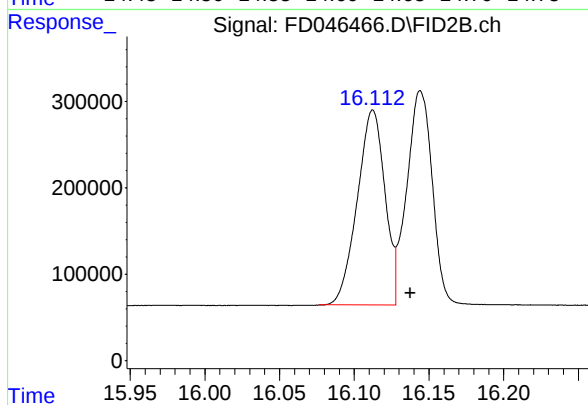
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.570 min
Delta R.T.: -0.024 min
Response: 2950161
Conc: 20.97 ug/ml m



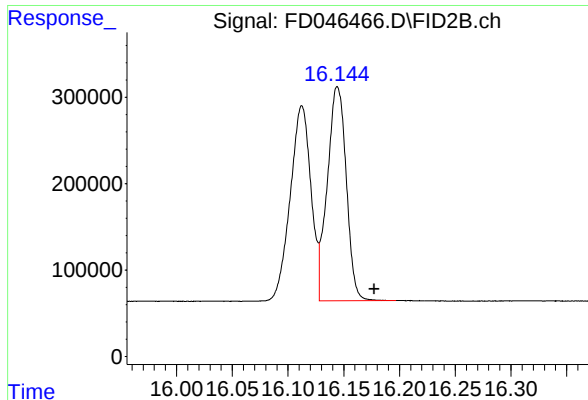
#15 Chrysene (C27.41)

R.T.: 14.613 min
Delta R.T.: -0.029 min
Response: 3156641
Conc: 21.28 ug/ml m



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

R.T.: 16.112 min
Delta R.T.: -0.026 min
Response: 2908138
Conc: 21.40 ug/ml m



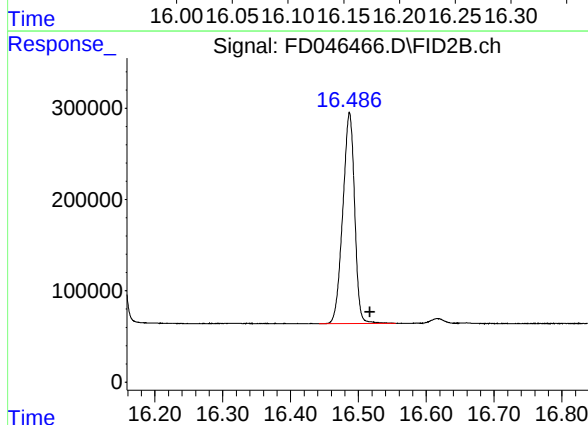
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.145 min
Delta R.T.: -0.033 min
Response: 2949242
Conc: 21.74 ug/ml

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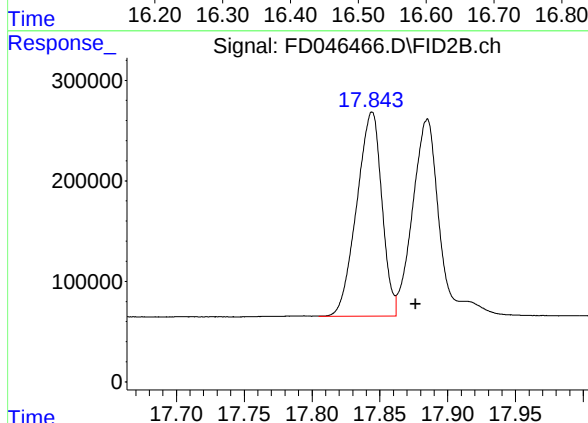
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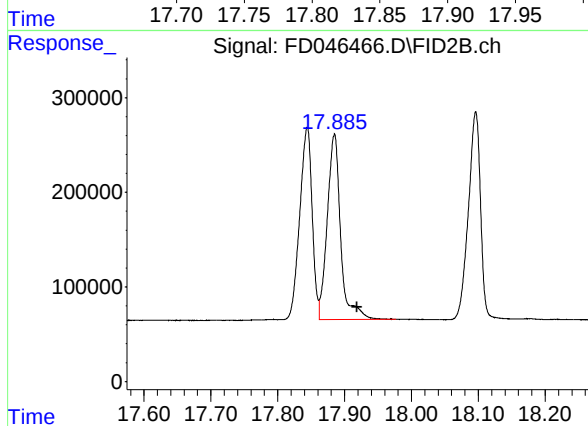
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.487 min
Delta R.T.: -0.030 min
Response: 2799479
Conc: 21.25 ug/ml



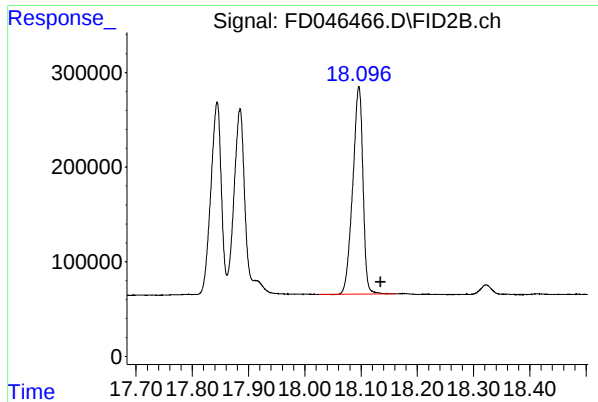
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.843 min
Delta R.T.: -0.033 min
Response: 2628918
Conc: 21.08 ug/ml m



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

R.T.: 17.885 min
Delta R.T.: -0.034 min
Response: 2738312
Conc: 21.85 ug/ml



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

R.T.: 18.096 min
Delta R.T.: -0.038 min
Response: 2766941
Conc: 21.58 ug/ml

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