

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091423AR\
 Data File : FD046482.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 14:01
 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 09/15/2023
 Supervised By :Ankita Jodhani 09/15/2023

Integration File: autoint1.e
 Quant Time: Sep 14 16:11:15 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 : Rx1-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.491	3444954	20.398 ug/ml
Spiked Amount 50.000		Recovery =	40.80%
6) S 2-Fluorobiphenyl (SURR)	8.344	2257627	20.286 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.57%
11) S ortho-Terphenyl (SURR)	11.382	4028529	20.540 ug/ml
Spiked Amount 50.000		Recovery =	41.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.306	3593362	20.449 ug/ml
2) T Naphthalene (C11.7)	5.831	3766523	20.436 ug/ml
3) T 2-Methylnaphthalene (...)	6.879	3766507	20.286 ug/ml
5) T Acenaphthylene (C15.06)	8.148	3434432	20.181 ug/ml
7) T Acenaphthene (C15.5)	8.443	3673693	20.391 ug/ml
8) T Flouorene (C16.55)	9.221	3557628	20.342 ug/ml
9) T Phenanthrene (C19.36)	10.609	3458207	20.156 ug/ml
10) T Anthracene (C19.43)	10.684	2964773	17.575 ug/ml
12) T Fluoranthene (C21.85)	12.413	3412876	20.514 ug/ml
13) T Pyrene (C20.8)	12.707	3263346	20.247 ug/ml
14) T Benzo[a]anthracene (C...	14.612	2921145	20.763 ug/ml
15) T Chrysene (C27.41)	14.612	2921145	19.693 ug/ml
16) T benzo[b]fluoranthene ...	16.144	2765326	20.351 ug/ml
17) T Bnezo[k]fluoranthene ...	16.144	2765326	20.384 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2599174	19.726 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.843	2458084	19.706 ug/mlm
20) T Dibenz[a,h]anthracene...	17.883	2627539	20.969 ug/ml
21) T Benzo[g,h,i]perylene ...	18.094	2570794	20.046 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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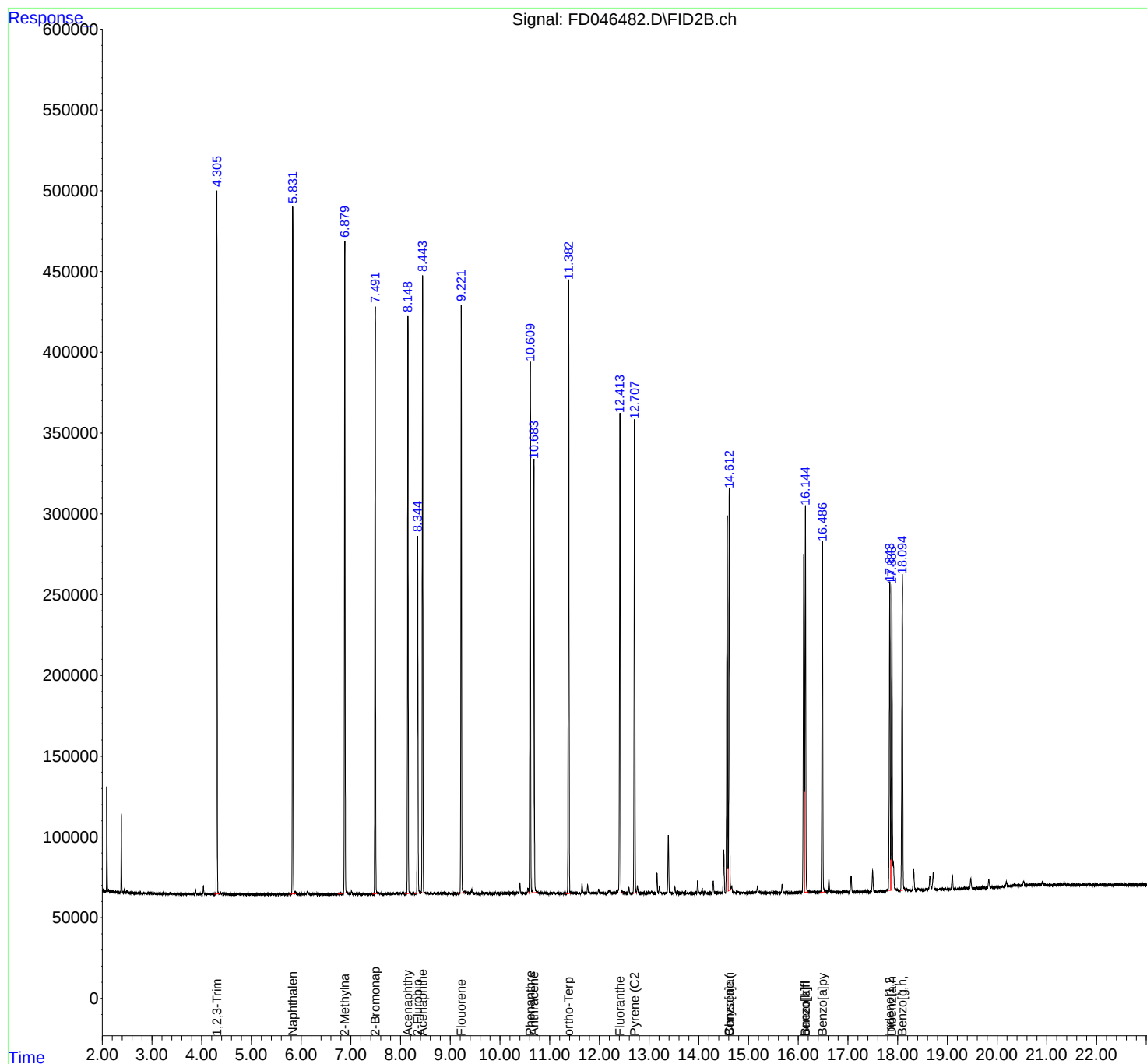
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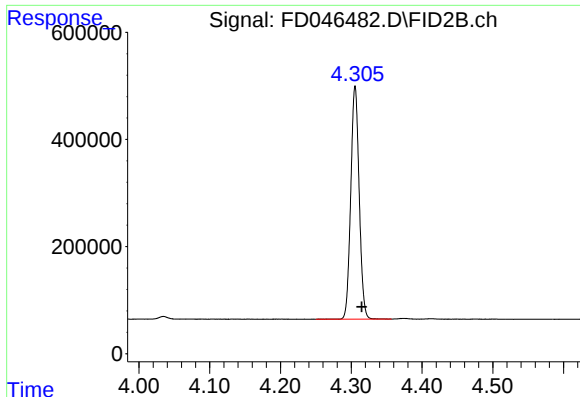
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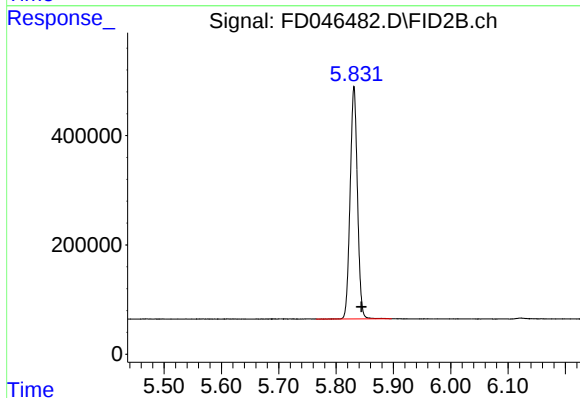
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.306 min
Delta R.T.: -0.009 min
Response: 3593362
Conc: 20.45 ug/ml

Instrument :
FID_D
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20 PPM AROMATIC HC STD

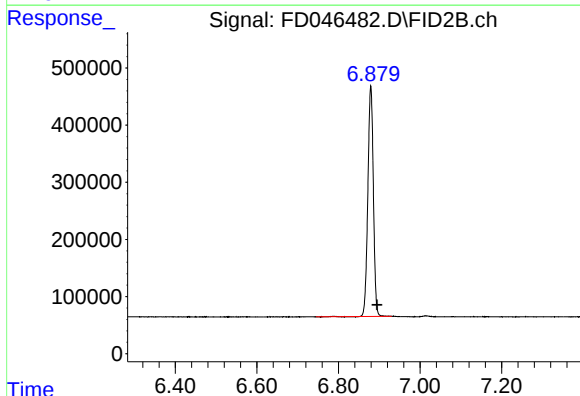
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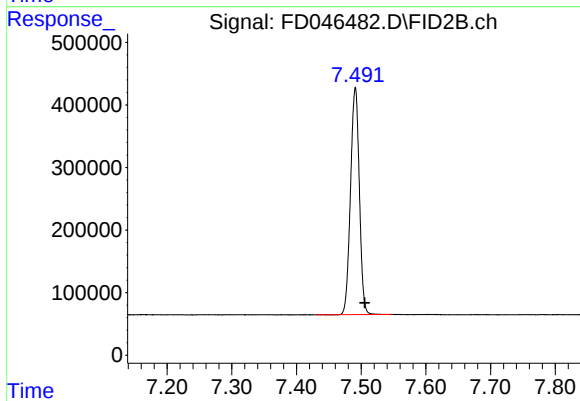
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: -0.013 min
Response: 3766523
Conc: 20.44 ug/ml



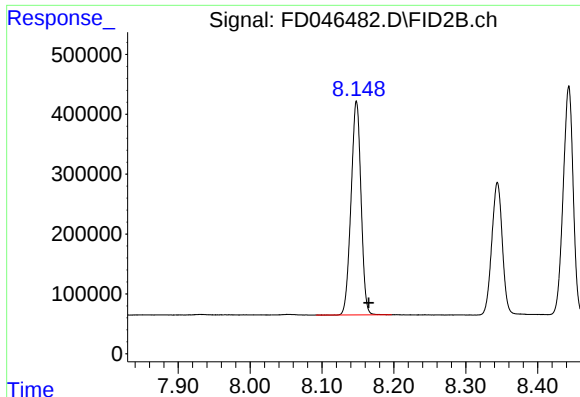
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.879 min
Delta R.T.: -0.016 min
Response: 3766507
Conc: 20.29 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.491 min
Delta R.T.: -0.015 min
Response: 3444954
Conc: 20.40 ug/ml



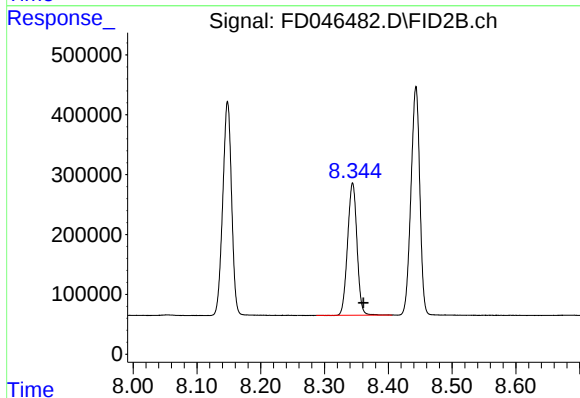
#5 Acenaphthylene (C15.06)

R.T.: 8.148 min
Delta R.T.: -0.017 min
Response: 3434432
Conc: 20.18 ug/ml

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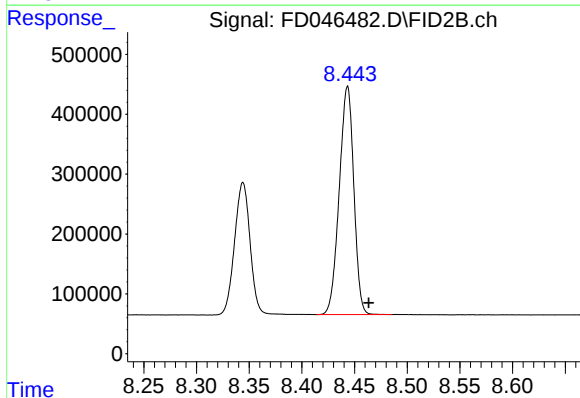
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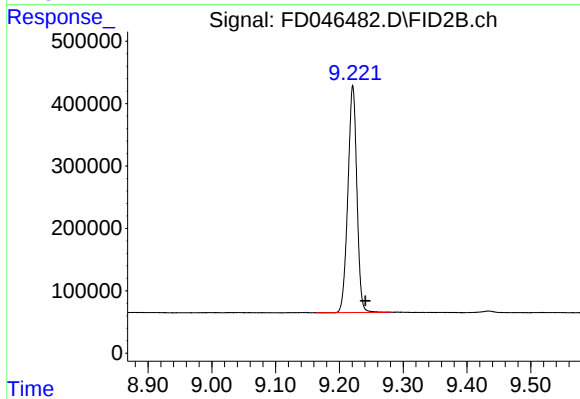
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: -0.017 min
Response: 2257627
Conc: 20.29 ug/ml



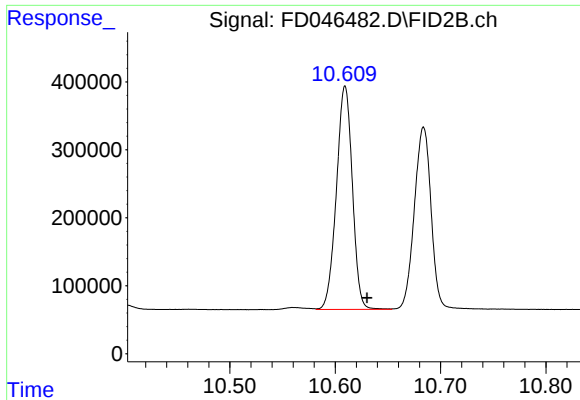
#7 Acenaphthene (C15.5)

R.T.: 8.443 min
Delta R.T.: -0.020 min
Response: 3673693
Conc: 20.39 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.221 min
Delta R.T.: -0.020 min
Response: 3557628
Conc: 20.34 ug/ml



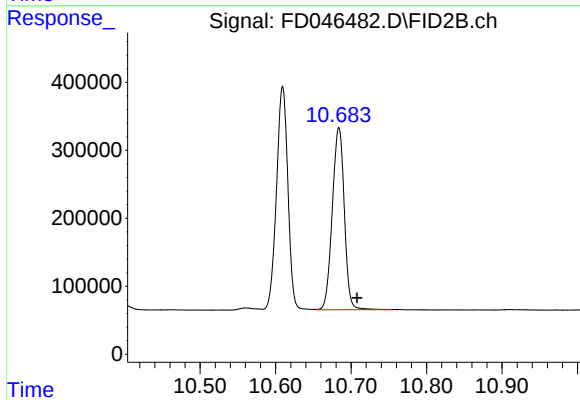
#9 Phenanthrene (C19.36)

R.T.: 10.609 min
Delta R.T.: -0.021 min
Response: 3458207
Conc: 20.16 ug/ml

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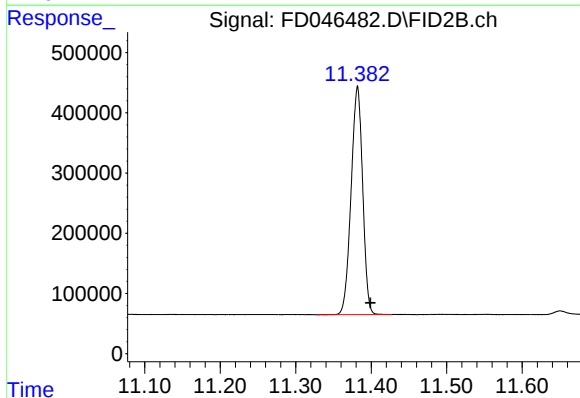
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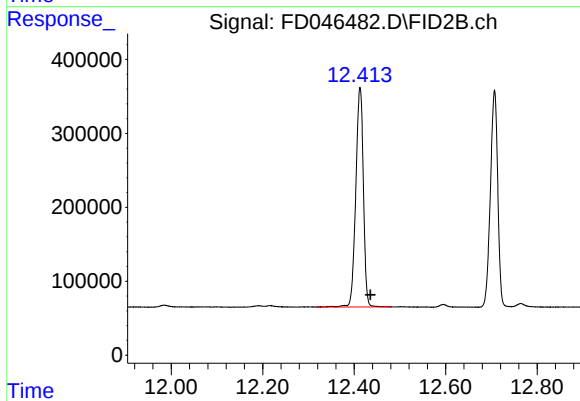
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.024 min
Response: 2964773
Conc: 17.57 ug/ml



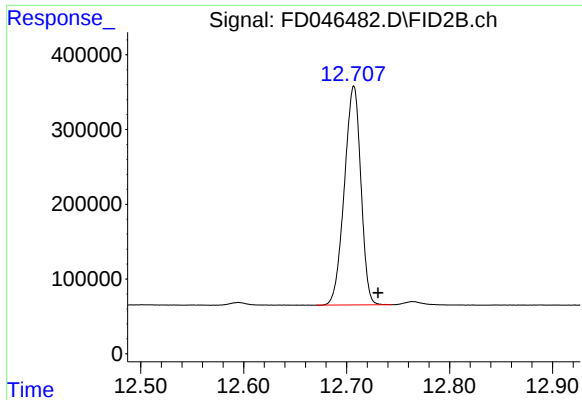
#11 ortho-Terphenyl (SURR)

R.T.: 11.382 min
Delta R.T.: -0.017 min
Response: 4028529
Conc: 20.54 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.413 min
Delta R.T.: -0.023 min
Response: 3412876
Conc: 20.51 ug/ml



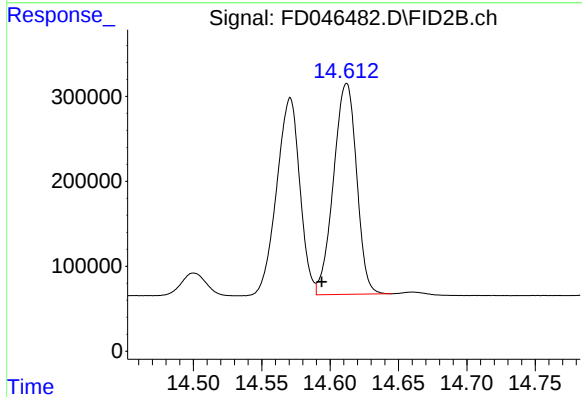
#13 Pyrene (C20.8)

R.T.: 12.707 min
Delta R.T.: -0.024 min
Response: 3263346
Conc: 20.25 ug/ml

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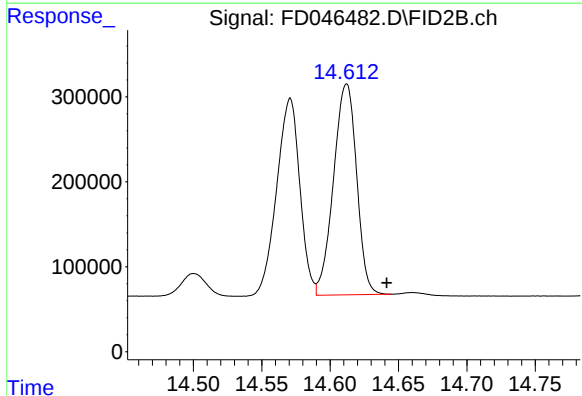
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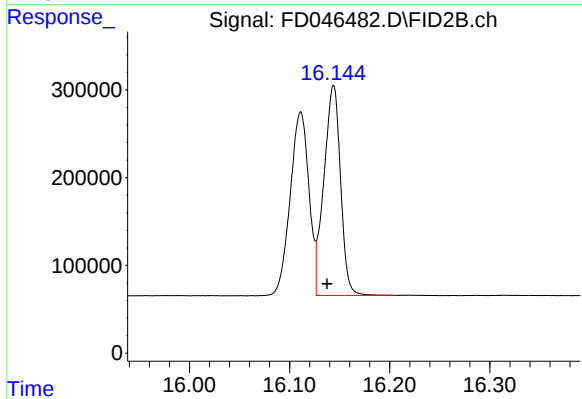
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.612 min
Delta R.T.: 0.018 min
Response: 2921145
Conc: 20.76 ug/ml



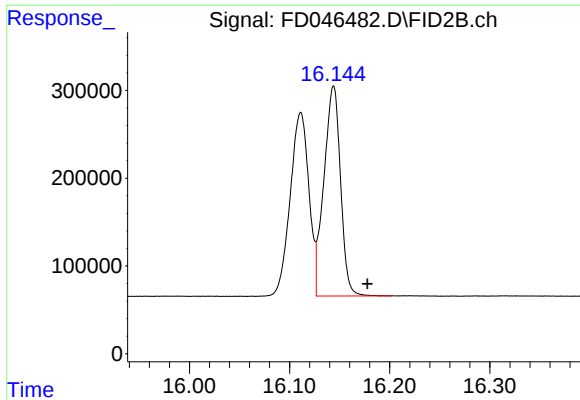
#15 Chrysene (C27.41)

R.T.: 14.612 min
Delta R.T.: -0.030 min
Response: 2921145
Conc: 19.69 ug/ml



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

R.T.: 16.144 min
Delta R.T.: 0.006 min
Response: 2765326
Conc: 20.35 ug/ml



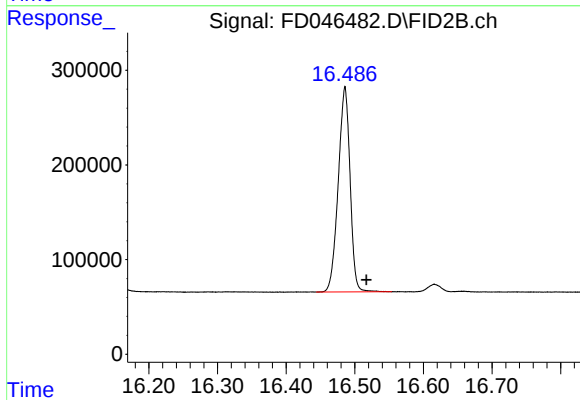
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.034 min
Response: 2765326
Conc: 20.38 ug/ml

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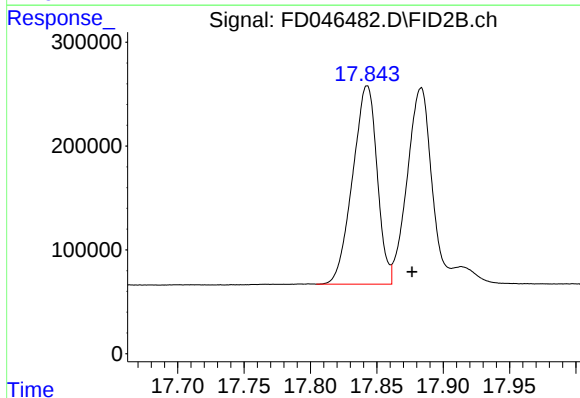
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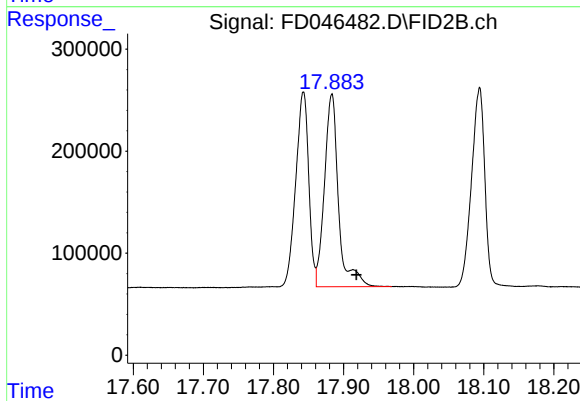
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.032 min
Response: 2599174
Conc: 19.73 ug/ml



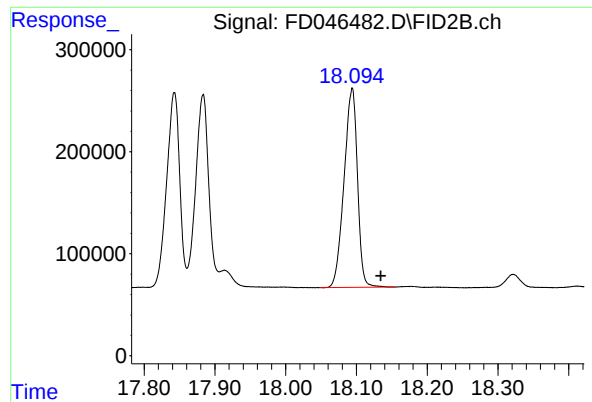
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.843 min
Delta R.T.: -0.034 min
Response: 2458084
Conc: 19.71 ug/ml m



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

R.T.: 17.883 min
Delta R.T.: -0.035 min
Response: 2627539
Conc: 20.97 ug/ml



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

R.T.: 18.094 min
Delta R.T.: -0.041 min
Response: 2570794
Conc: 20.05 ug/ml

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