

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090123AR\
 Data File : FD046416.D
 Signal(s) : FID2B.ch
 Acq On : 01 Sep 2023 09:15
 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 09/05/2023
 Supervised By :Ankita Jodhani 09/05/2023

Integration File: autoint1.e
 Quant Time: Sep 01 23:51:00 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...	7.495	3665989	21.707 ug/ml
Spiked Amount 50.000		Recovery =	43.41%
6) S 2-Fluorobiphenyl (SURR)	8.348	2418130	21.728 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.46%
11) S ortho-Terphenyl (SURR)	11.386	4313002	21.991 ug/ml
Spiked Amount 50.000		Recovery =	43.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.308	3784663	21.538 ug/ml
2) T Naphthalene (C11.7)	5.835	3990692	21.652 ug/ml
3) T 2-Methylnaphthalene (...)	6.883	4021705	21.660 ug/ml
5) T Acenaphthylene (C15.06)	8.152	3665581	21.540 ug/ml
7) T Acenaphthene (C15.5)	8.447	3924169	21.782 ug/ml
8) T Flouorene (C16.55)	9.226	3824102	21.865 ug/ml
9) T Phenanthrene (C19.36)	10.614	3735953	21.774 ug/ml
10) T Anthracene (C19.43)	10.688	3286785	19.484 ug/ml
12) T Fluoranthene (C21.85)	12.417	3692122	22.192 ug/ml
13) T Pyrene (C20.8)	12.711	3525981	21.877 ug/ml
14) T Benzo[a]anthracene (C...	14.574	3013700	21.421 ug/ml
15) T Chrysene (C27.41)	14.616	3196661	21.550 ug/ml
16) T benzo[b]fluoranthene ...	16.115	2956518	21.758 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.148	3003082	22.136 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.490	2814879	21.363 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.846	2658629	21.314 ug/mlm
20) T Dibenz[a,h]anthracene...	17.887	2860596	22.829 ug/ml
21) T Benzo[g,h,i]perylene ...	18.098	2769727	21.598 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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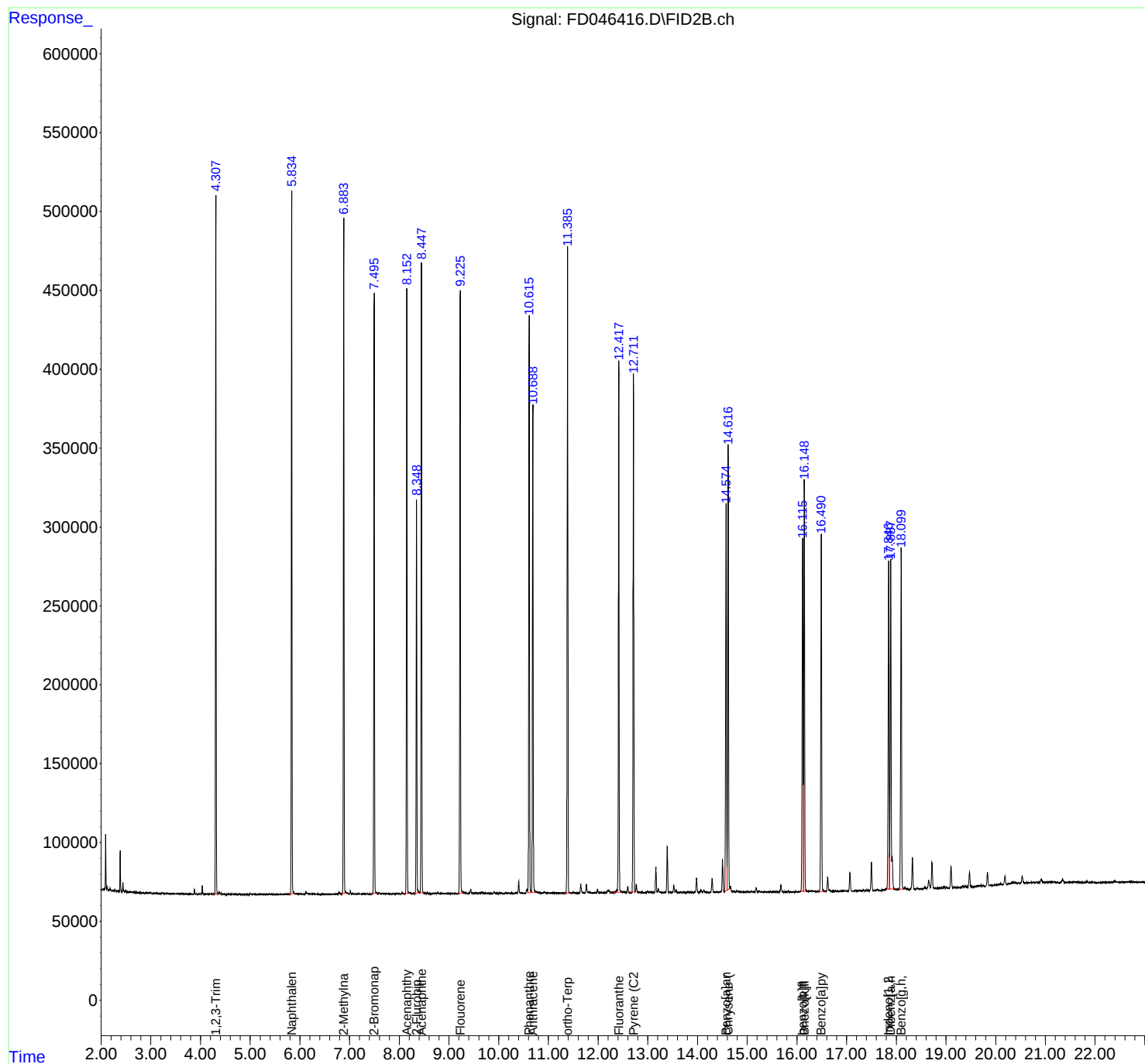
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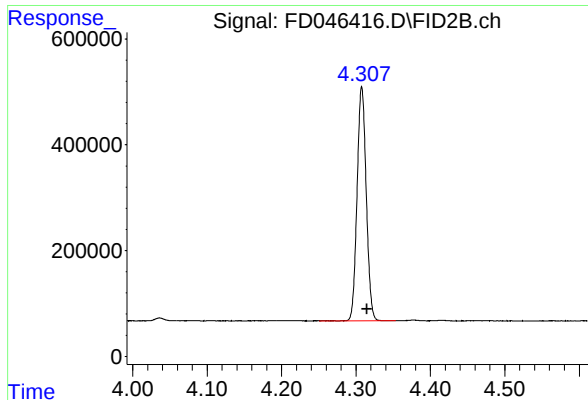
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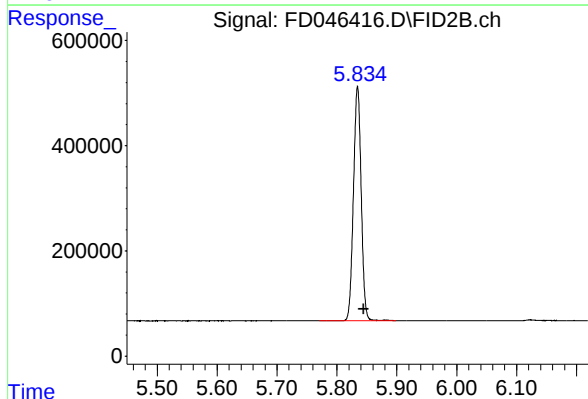
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.308 min
Delta R.T.: -0.007 min
Response: 3784663
Conc: 21.54 ug/ml

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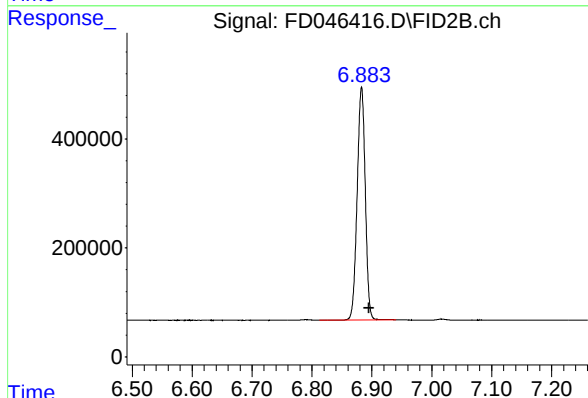
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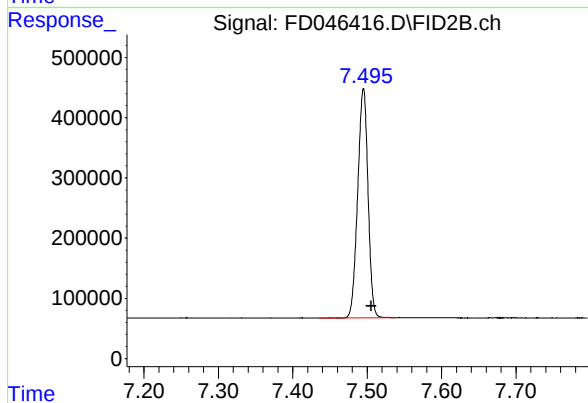
#2 Naphthalene (C11.7)

R.T.: 5.835 min
Delta R.T.: -0.010 min
Response: 3990692
Conc: 21.65 ug/ml



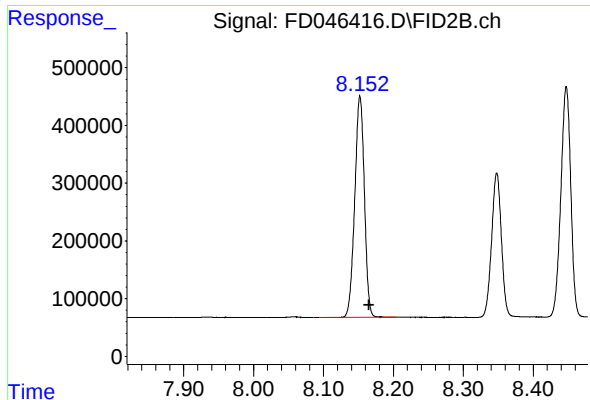
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.883 min
Delta R.T.: -0.012 min
Response: 4021705
Conc: 21.66 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.495 min
Delta R.T.: -0.011 min
Response: 3665989
Conc: 21.71 ug/ml



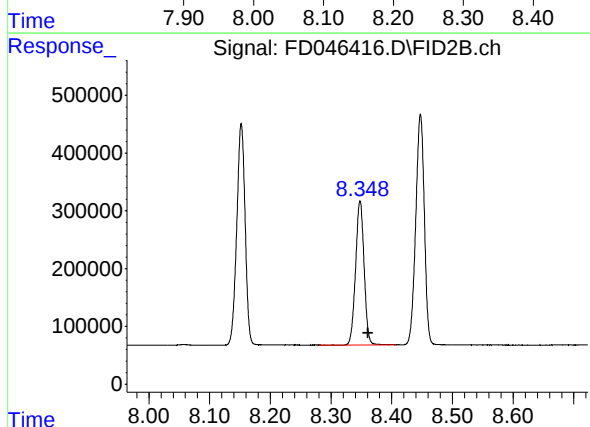
#5 Acenaphthylene (C15.06)

R.T.: 8.152 min
Delta R.T.: -0.013 min
Response: 3665581
Conc: 21.54 ug/ml

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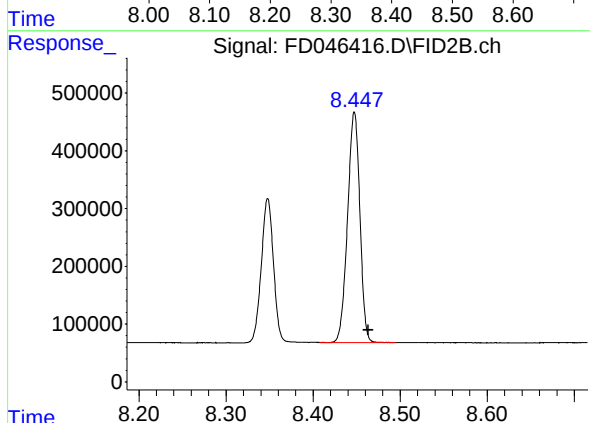
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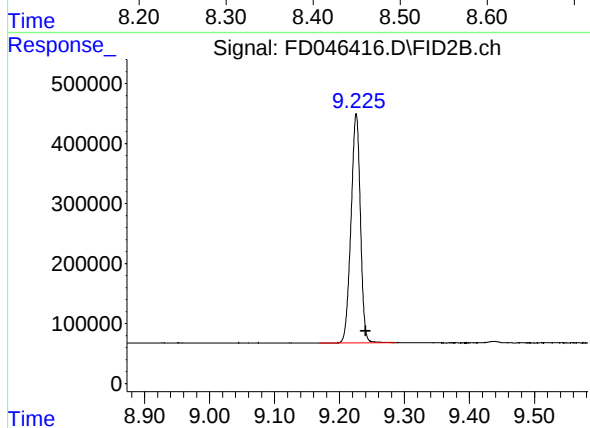
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.348 min
Delta R.T.: -0.013 min
Response: 2418130
Conc: 21.73 ug/ml



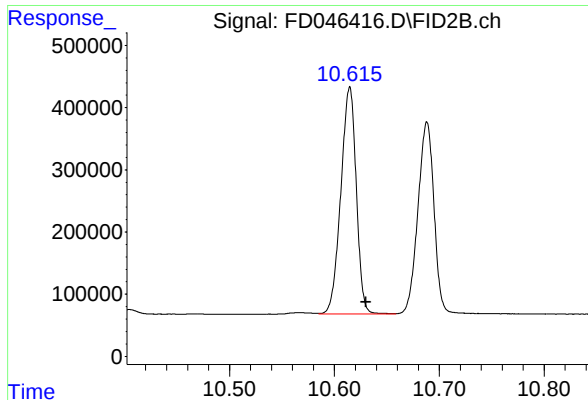
#7 Acenaphthene (C15.5)

R.T.: 8.447 min
Delta R.T.: -0.016 min
Response: 3924169
Conc: 21.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.226 min
Delta R.T.: -0.015 min
Response: 3824102
Conc: 21.87 ug/ml



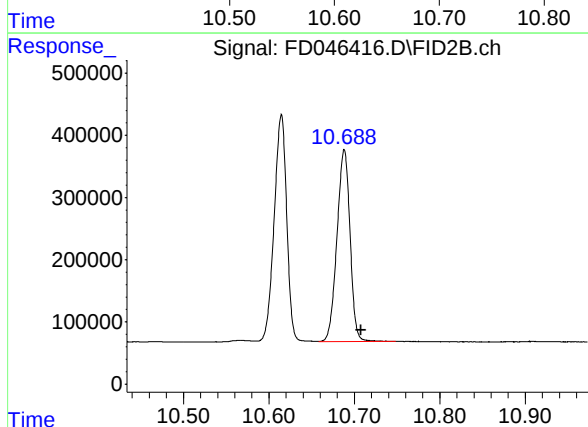
#9 Phenanthrene (C19.36)

R.T.: 10.614 min
Delta R.T.: -0.016 min
Response: 3735953
Conc: 21.77 ug/ml

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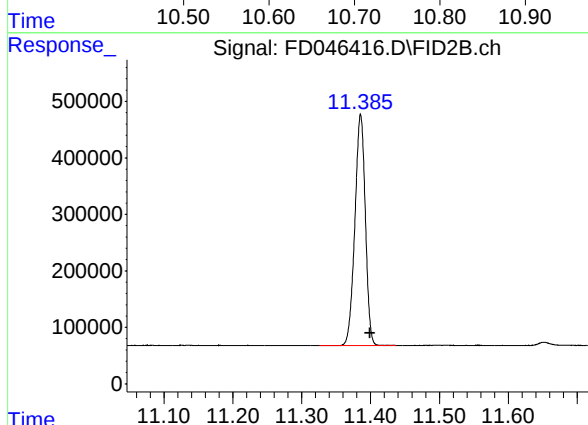
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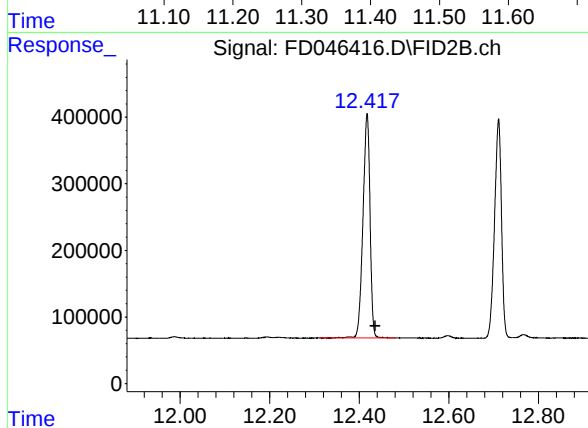
#10 Anthracene (C19.43)

R.T.: 10.688 min
Delta R.T.: -0.020 min
Response: 3286785
Conc: 19.48 ug/ml



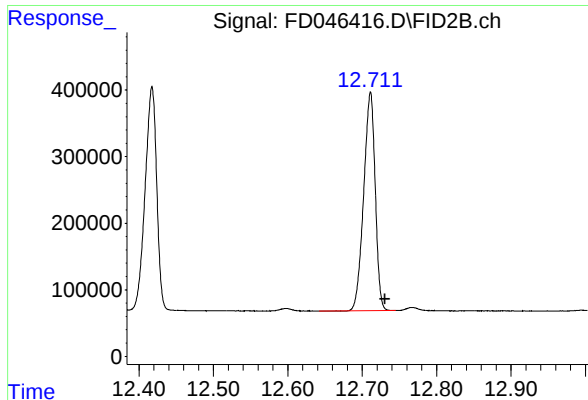
#11 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: -0.014 min
Response: 4313002
Conc: 21.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.417 min
Delta R.T.: -0.019 min
Response: 3692122
Conc: 22.19 ug/ml



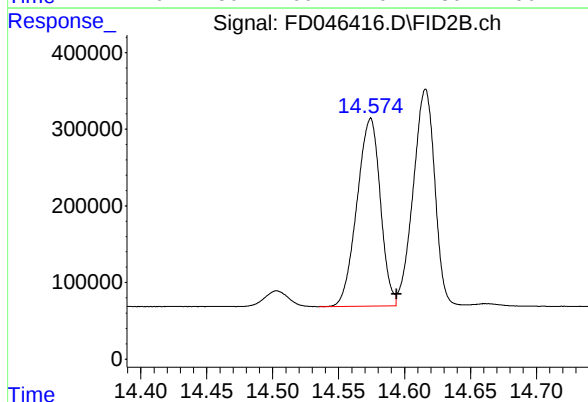
#13 Pyrene (C20.8)

R.T.: 12.711 min
Delta R.T.: -0.020 min
Response: 3525981
Conc: 21.88 ug/ml

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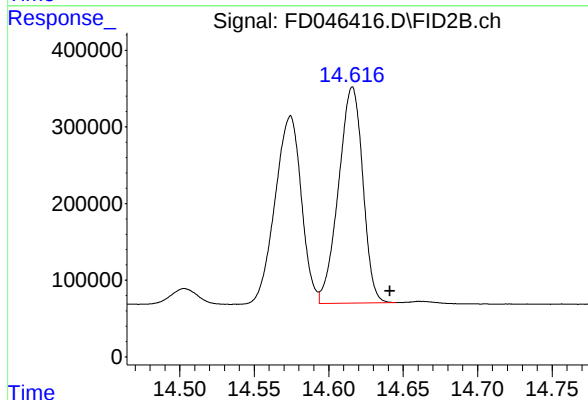
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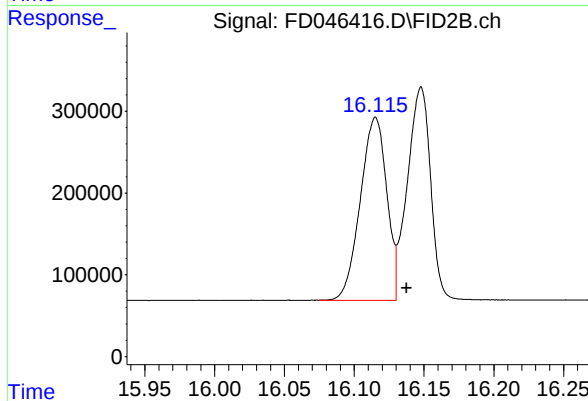
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.574 min
Delta R.T.: -0.020 min
Response: 3013700
Conc: 21.42 ug/ml



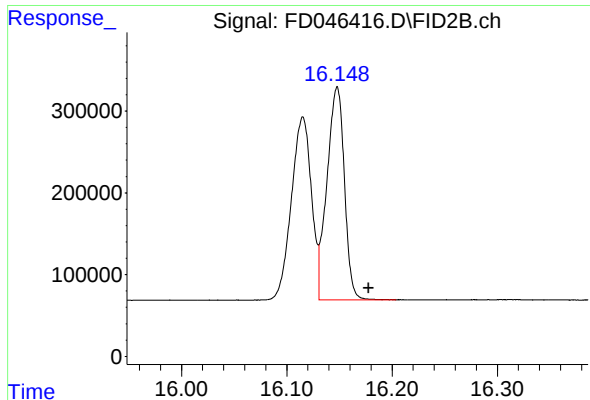
#15 Chrysene (C27.41)

R.T.: 14.616 min
Delta R.T.: -0.026 min
Response: 3196661
Conc: 21.55 ug/ml



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

R.T.: 16.115 min
Delta R.T.: -0.022 min
Response: 2956518
Conc: 21.76 ug/ml m



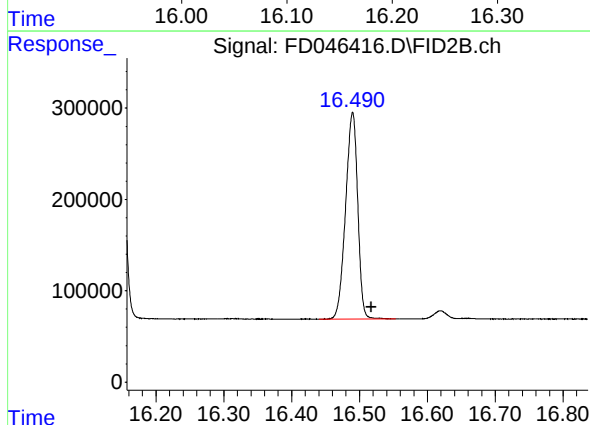
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.148 min
Delta R.T.: -0.030 min
Response: 3003082
Conc: 22.14 ug/ml

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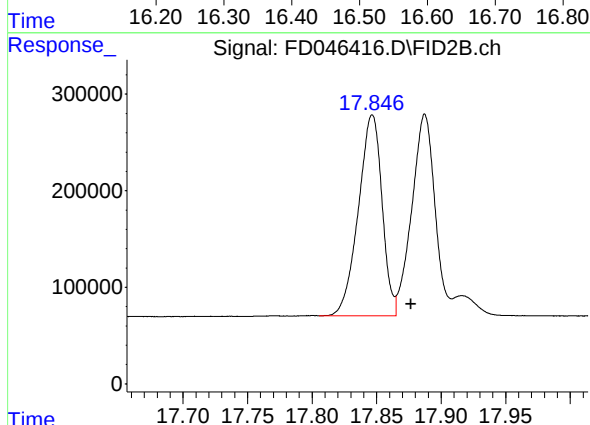
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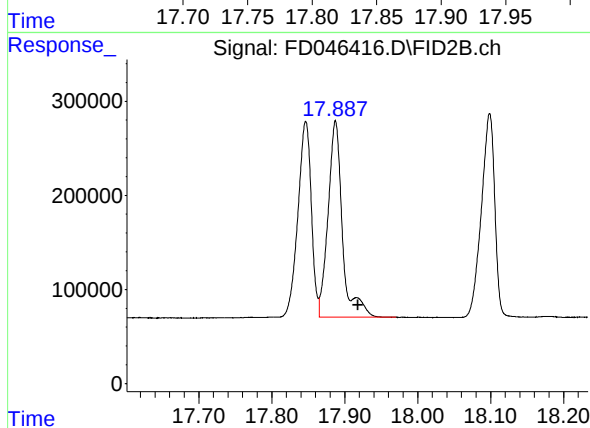
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.490 min
Delta R.T.: -0.027 min
Response: 2814879
Conc: 21.36 ug/ml



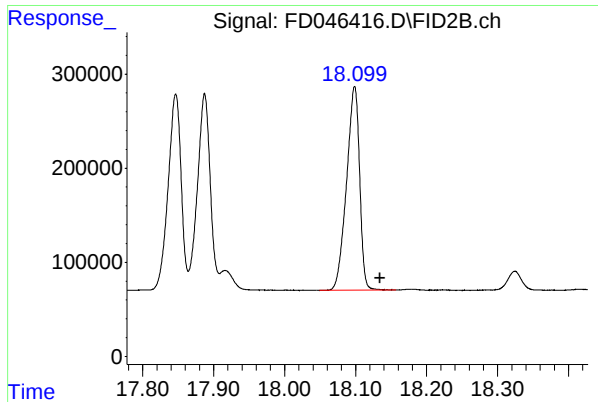
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.846 min
Delta R.T.: -0.030 min
Response: 2658629
Conc: 21.31 ug/ml m



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

R.T.: 17.887 min
Delta R.T.: -0.031 min
Response: 2860596
Conc: 22.83 ug/ml



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

R.T.: 18.098 min
Delta R.T.: -0.036 min
Response: 2769727
Conc: 21.60 ug/ml

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