

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090123AR\
 Data File : FD046419.D
 Signal(s) : FID2B.ch
 Acq On : 01 Sep 2023 11:21
 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 23:51:23 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	3681895	21.801 ug/ml
Spiked Amount 50.000		Recovery =	43.60%
6) S 2-Fluorobiphenyl (SURR)	8.348	2436554	21.894 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.79%
11) S ortho-Terphenyl (SURR)	11.386	4313803	21.995 ug/ml
Spiked Amount 50.000		Recovery =	43.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.309	3809391	21.678 ug/ml
2) T Naphthalene (C11.7)	5.835	4013535	21.776 ug/ml
3) T 2-Methylnaphthalene (...)	6.883	4050120	21.813 ug/ml
5) T Acenaphthylene (C15.06)	8.153	3679976	21.624 ug/ml
7) T Acenaphthene (C15.5)	8.448	3938332	21.860 ug/ml
8) T Fluorene (C16.55)	9.225	3840844	21.961 ug/ml
9) T Phenanthrene (C19.36)	10.614	3740946	21.803 ug/ml
10) T Anthracene (C19.43)	10.688	3293935	19.526 ug/ml
12) T Fluoranthene (C21.85)	12.417	3685935	22.155 ug/ml
13) T Pyrene (C20.8)	12.710	3523671	21.863 ug/ml
14) T Benzo[a]anthracene (C...	14.574	3010706	21.400 ug/ml
15) T Chrysene (C27.41)	14.616	3197425	21.556 ug/ml
16) T benzo[b]fluoranthene ...	16.114	2941928	21.651 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.147	2987709	22.023 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.489	2794110	21.206 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.846	2638610	21.154 ug/mlm
20) T Dibenz[a,h]anthracene...	17.887	2899225	23.137 ug/ml
21) T Benzo[g,h,i]perylene ...	18.097	2750609	21.449 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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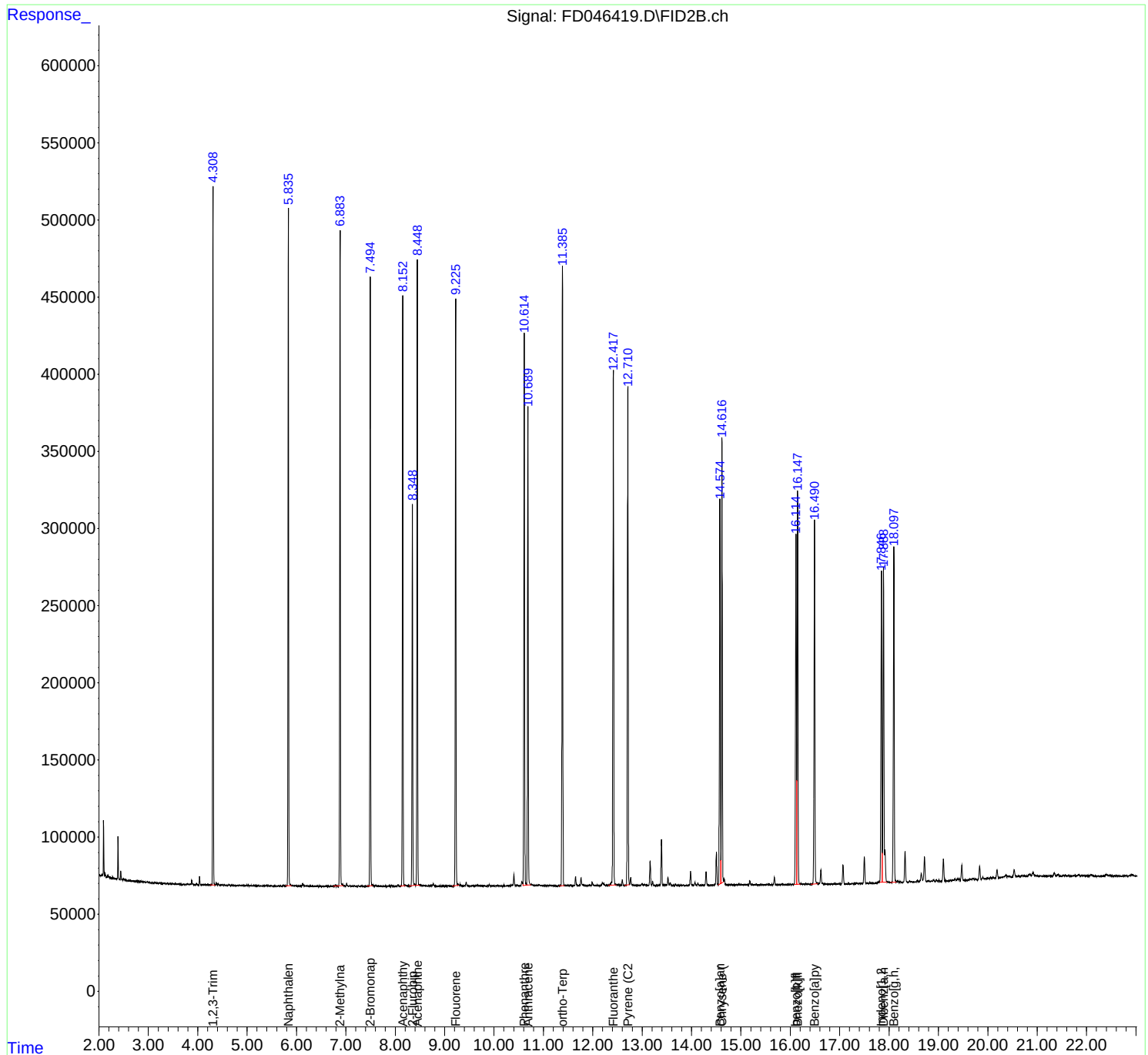
Instrument :
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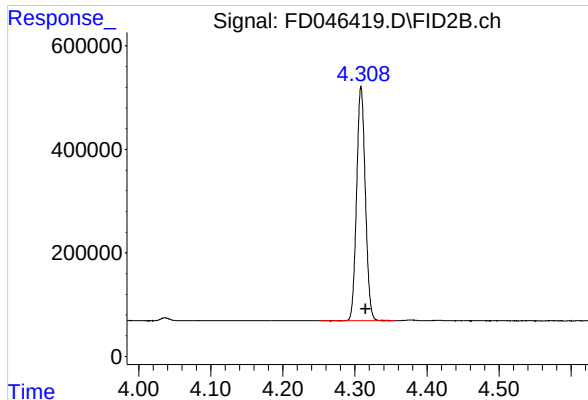
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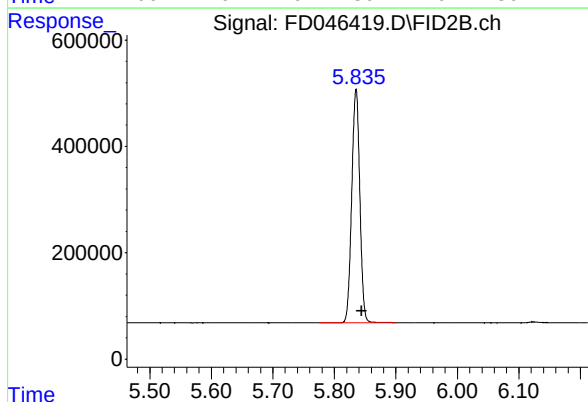
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.309 min
Delta R.T.: -0.006 min
Response: 3809391
Conc: 21.68 ug/ml

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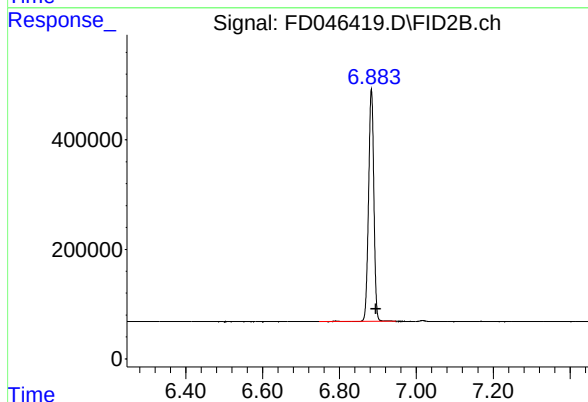
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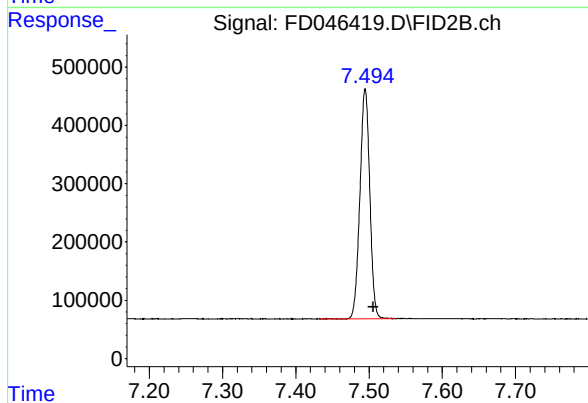
#2 Naphthalene (C11.7)

R.T.: 5.835 min
Delta R.T.: -0.009 min
Response: 4013535
Conc: 21.78 ug/ml



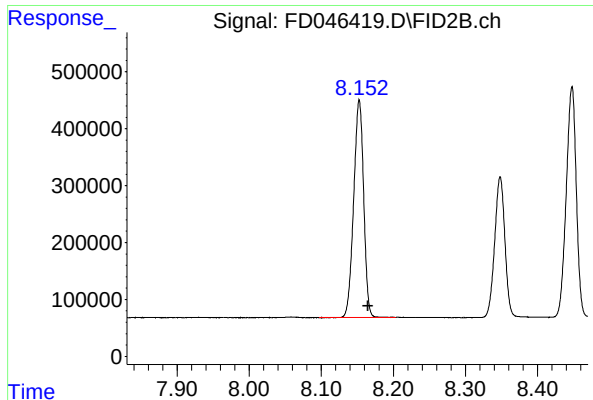
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.883 min
Delta R.T.: -0.012 min
Response: 4050120
Conc: 21.81 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.495 min
Delta R.T.: -0.011 min
Response: 3681895
Conc: 21.80 ug/ml



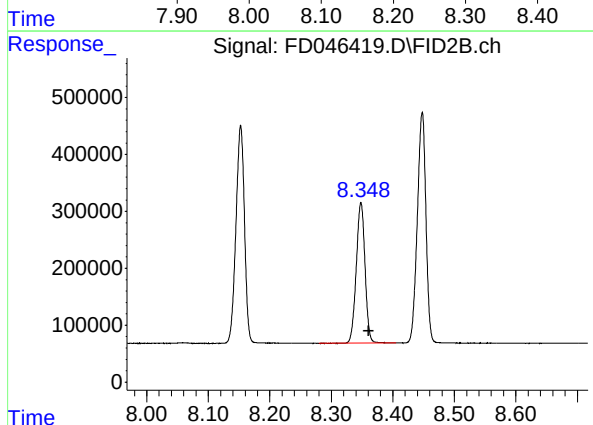
#5 Acenaphthylene (C15.06)

R.T.: 8.153 min
Delta R.T.: -0.012 min
Response: 3679976
Conc: 21.62 ug/ml

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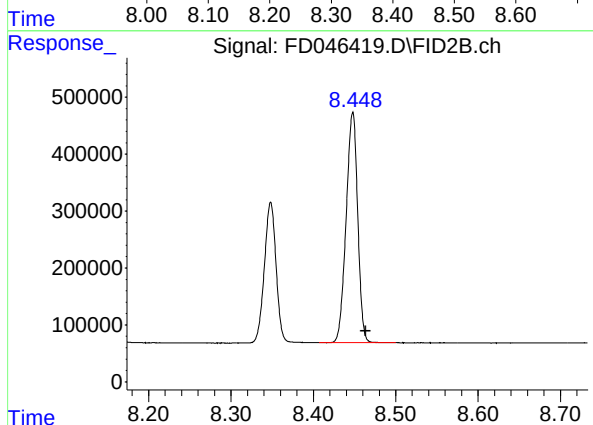
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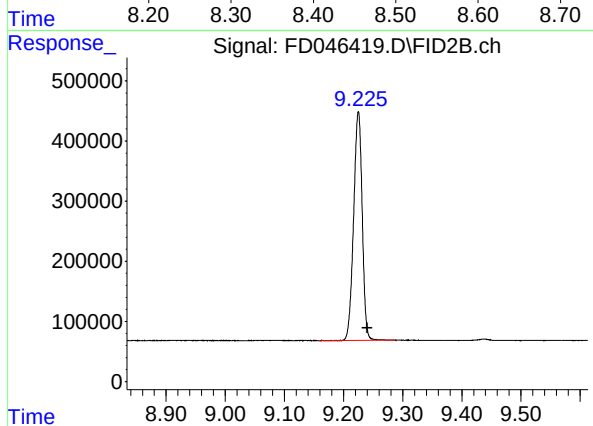
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.348 min
Delta R.T.: -0.013 min
Response: 2436554
Conc: 21.89 ug/ml



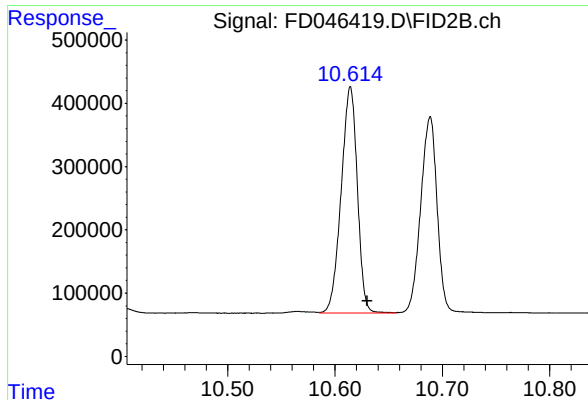
#7 Acenaphthene (C15.5)

R.T.: 8.448 min
Delta R.T.: -0.016 min
Response: 3938332
Conc: 21.86 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.225 min
Delta R.T.: -0.016 min
Response: 3840844
Conc: 21.96 ug/ml



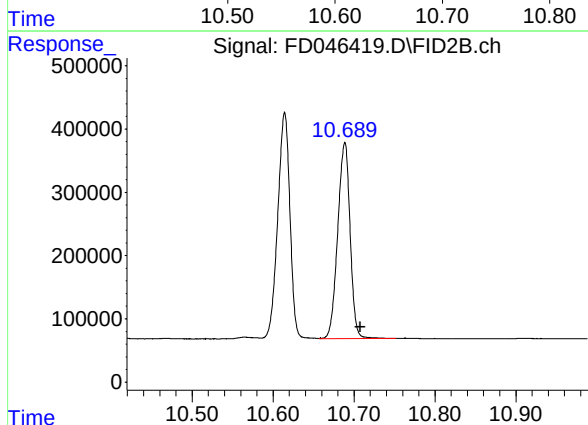
#9 Phenanthrene (C19.36)

R.T.: 10.614 min
Delta R.T.: -0.016 min
Response: 3740946
Conc: 21.80 ug/ml

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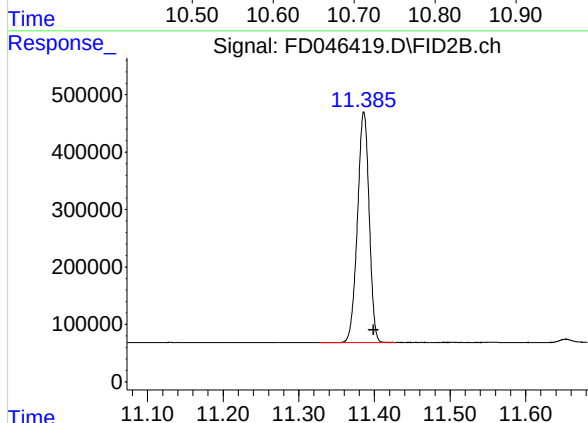
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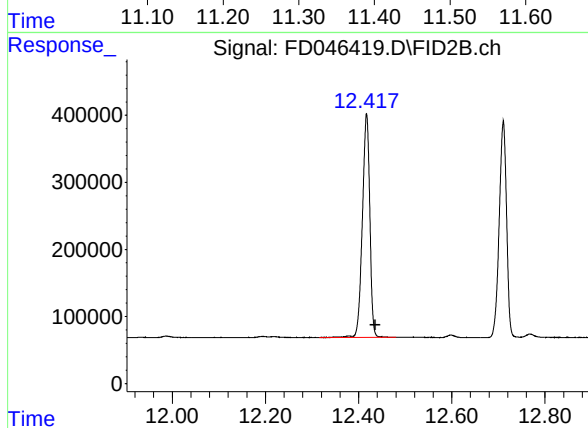
#10 Anthracene (C19.43)

R.T.: 10.688 min
Delta R.T.: -0.020 min
Response: 3293935
Conc: 19.53 ug/ml



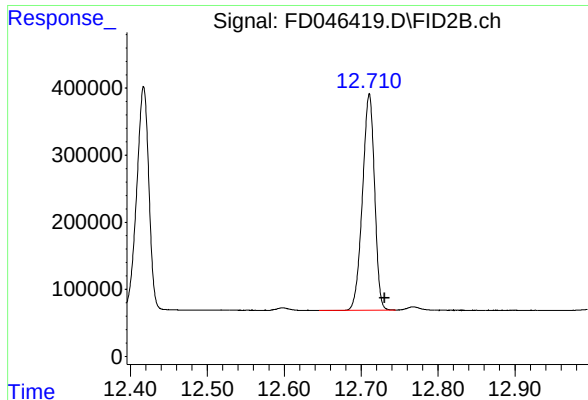
#11 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: -0.013 min
Response: 4313803
Conc: 21.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.417 min
Delta R.T.: -0.019 min
Response: 3685935
Conc: 22.16 ug/ml



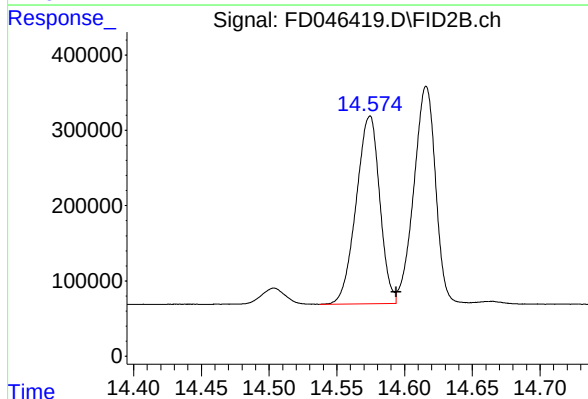
#13 Pyrene (C20.8)

R.T.: 12.710 min
Delta R.T.: -0.020 min
Response: 3523671
Conc: 21.86 ug/ml

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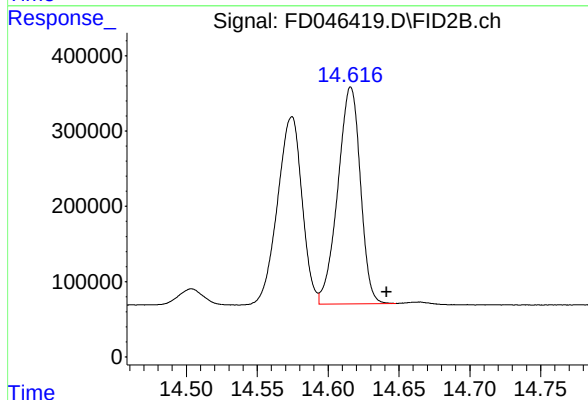
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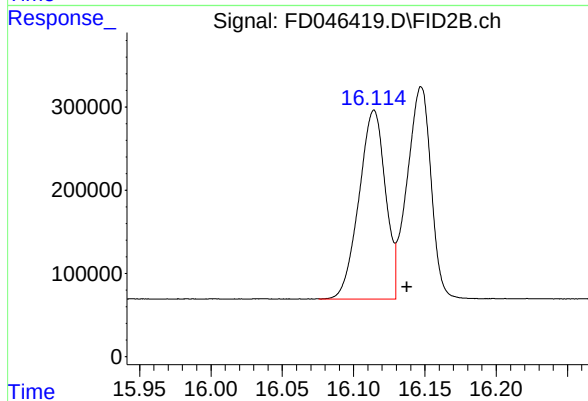
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.574 min
Delta R.T.: -0.020 min
Response: 3010706
Conc: 21.40 ug/ml



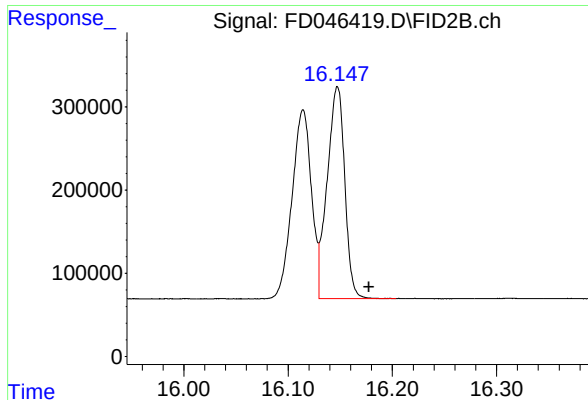
#15 Chrysene (C27.41)

R.T.: 14.616 min
Delta R.T.: -0.025 min
Response: 3197425
Conc: 21.56 ug/ml



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

R.T.: 16.114 min
Delta R.T.: -0.023 min
Response: 2941928
Conc: 21.65 ug/ml m



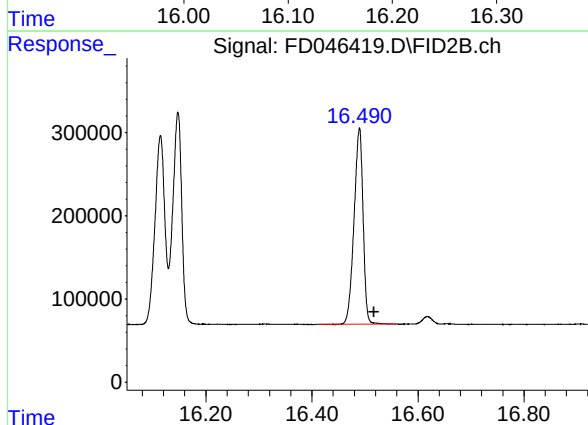
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.147 min
Delta R.T.: -0.031 min
Response: 2987709
Conc: 22.02 ug/ml

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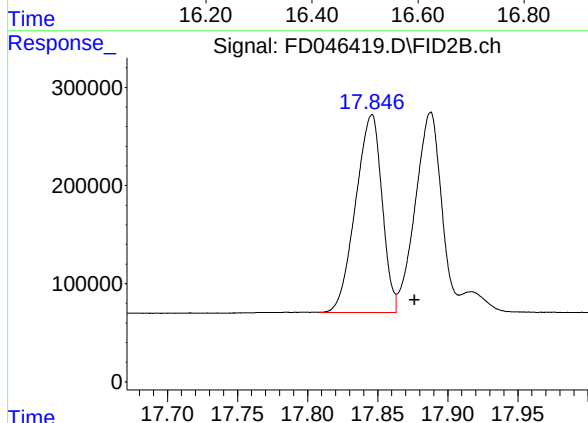
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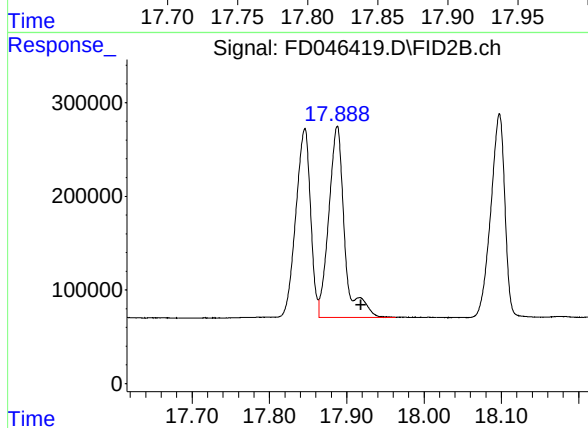
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.489 min
Delta R.T.: -0.028 min
Response: 2794110
Conc: 21.21 ug/ml



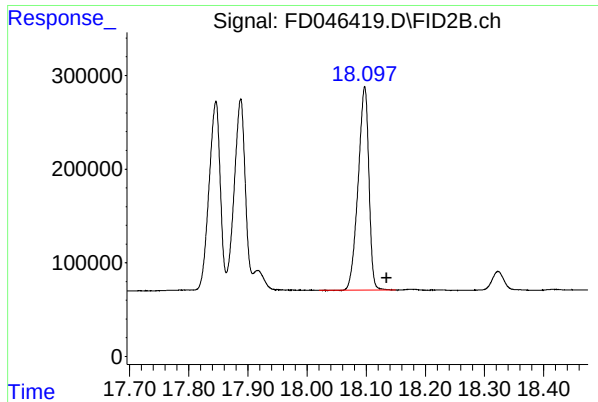
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.846 min
Delta R.T.: -0.031 min
Response: 2638610
Conc: 21.15 ug/ml m



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

R.T.: 17.887 min
Delta R.T.: -0.031 min
Response: 2899225
Conc: 23.14 ug/ml



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

R.T.: 18.097 min
Delta R.T.: -0.037 min
Response: 2750609
Conc: 21.45 ug/ml

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