

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091123AR\
 Data File : FD046450.D
 Signal(s) : FID2B.ch
 Acq On : 11 Sep 2023 13:36
 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 09/12/2023
 Supervised By :Ankita Jodhani 09/12/2023

Integration File: autoint1.e
 Quant Time: Sep 12 01:09:11 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...	7.492	3693776	21.871 ug/ml
Spiked Amount 50.000		Recovery =	43.74%
6) S 2-Fluorobiphenyl (SURR)	8.346	2403870	21.600 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.20%
11) S ortho-Terphenyl (SURR)	11.383	4278608	21.815 ug/ml
Spiked Amount 50.000		Recovery =	43.63%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	3899496	22.191 ug/ml
2) T Naphthalene (C11.7)	5.832	4067043	22.067 ug/ml
3) T 2-Methylnaphthalene (...)	6.880	4083402	21.992 ug/ml
5) T Acenaphthylene (C15.06)	8.149	3699853	21.741 ug/ml
7) T Acenaphthene (C15.5)	8.445	3936613	21.851 ug/ml
8) T Fluorene (C16.55)	9.222	3761700	21.508 ug/ml
9) T Phenanthrene (C19.36)	10.611	3668101	21.379 ug/mlm
10) T Anthracene (C19.43)	10.686	3290627	19.506 ug/ml
12) T Fluoranthene (C21.85)	12.415	3550811	21.343 ug/ml
13) T Pyrene (C20.8)	12.709	3423176	21.239 ug/ml
14) T Benzo[a]anthracene (C...	14.572	2901027	20.620 ug/mlm
15) T Chrysene (C27.41)	14.614	3083695	20.789 ug/ml
16) T benzo[b]fluoranthene ...	16.113	2880742	21.201 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.145	2854937	21.044 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2754164	20.903 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.843	2539526	20.359 ug/mlm
20) T Dibenz[a,h]anthracene...	17.884	2555225	20.392 ug/ml
21) T Benzo[g,h,i]perylene ...	18.096	2733261	21.313 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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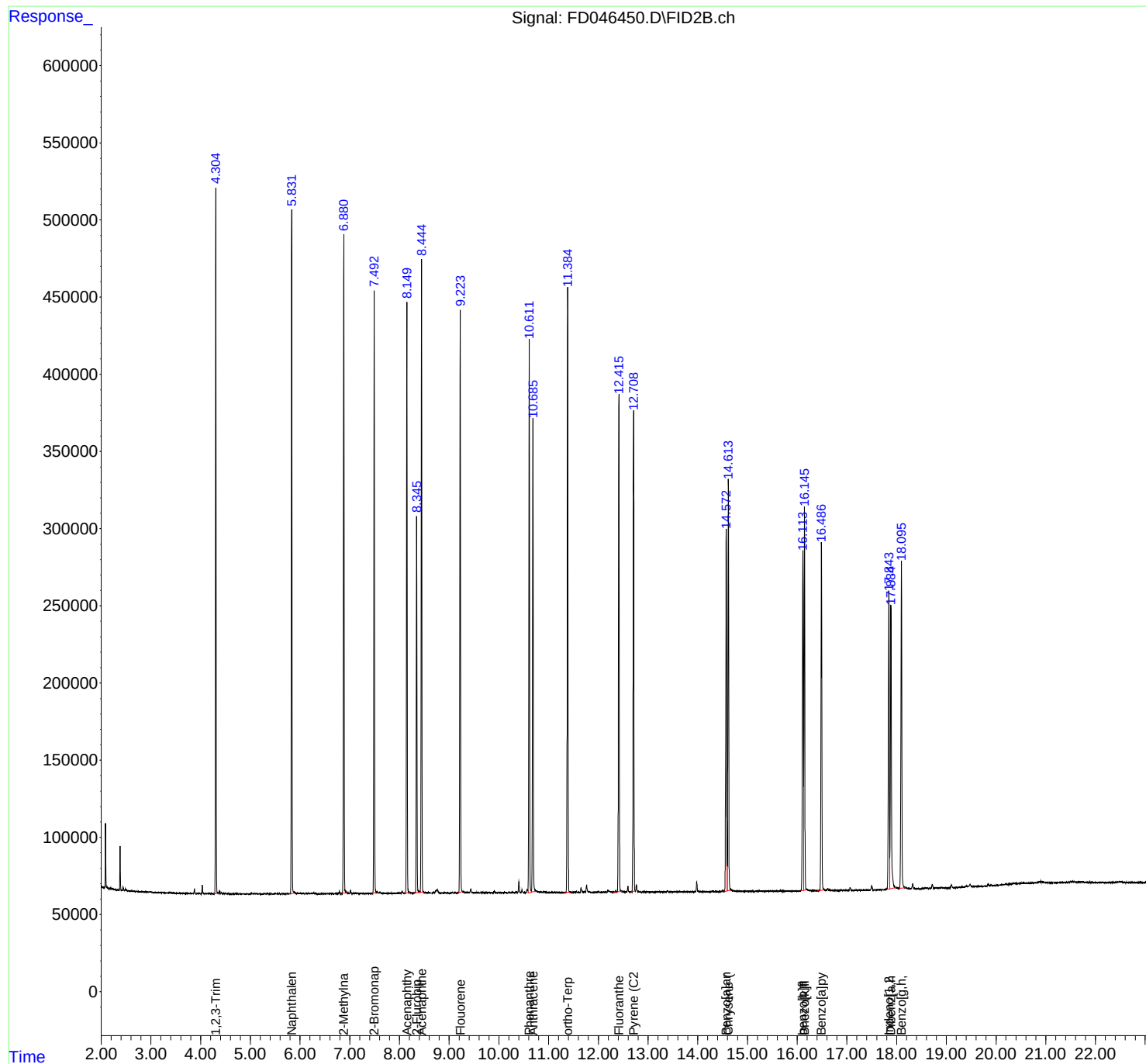
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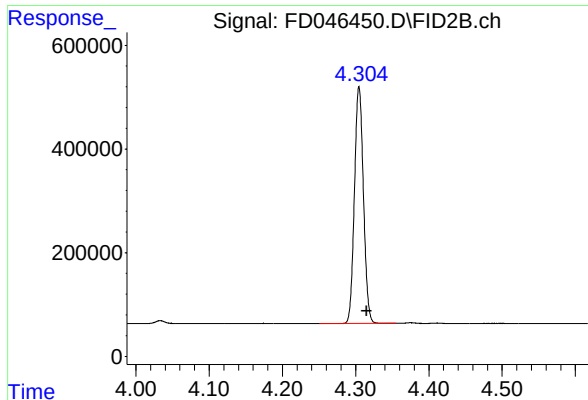
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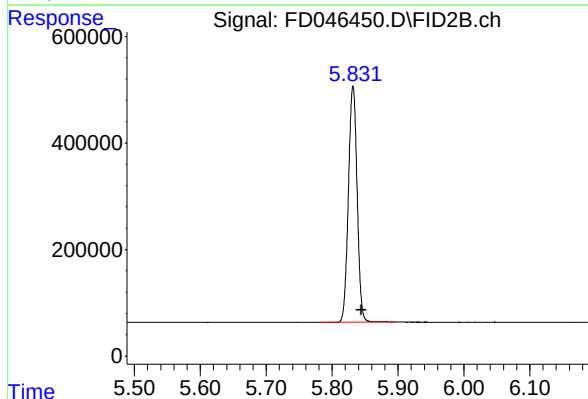
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.305 min
Delta R.T.: -0.010 min
Response: 3899496
Conc: 22.19 ug/ml

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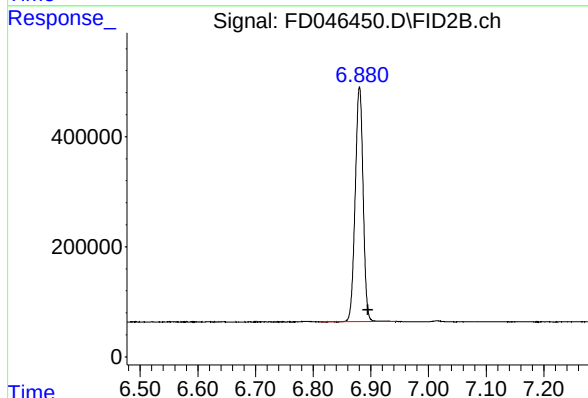
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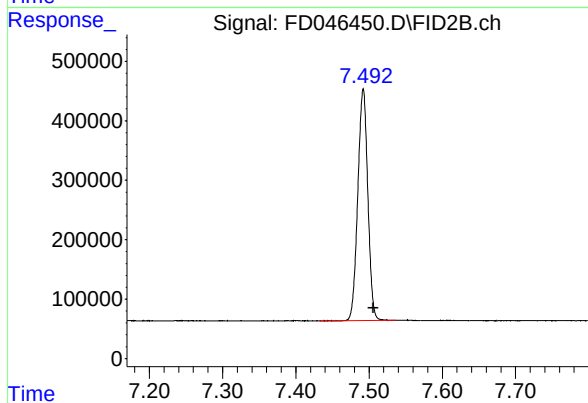
#2 Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: -0.013 min
Response: 4067043
Conc: 22.07 ug/ml



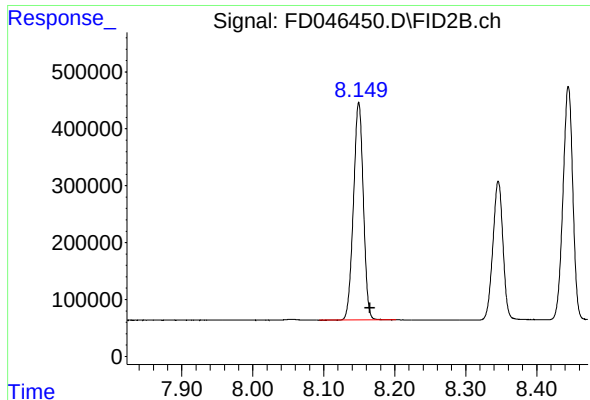
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.880 min
Delta R.T.: -0.015 min
Response: 4083402
Conc: 21.99 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.492 min
Delta R.T.: -0.014 min
Response: 3693776
Conc: 21.87 ug/ml



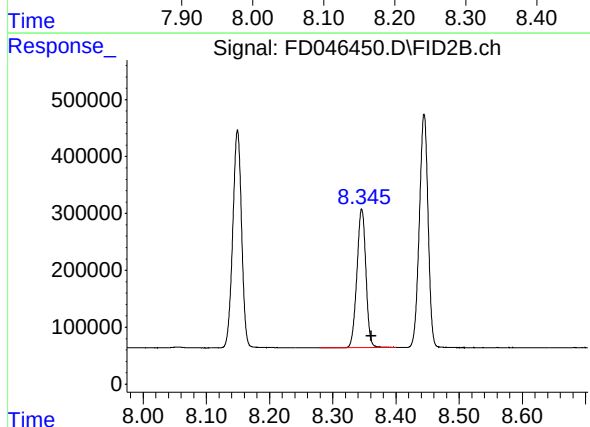
#5 Acenaphthylene (C15.06)

R.T.: 8.149 min
Delta R.T.: -0.016 min
Response: 3699853
Conc: 21.74 ug/ml

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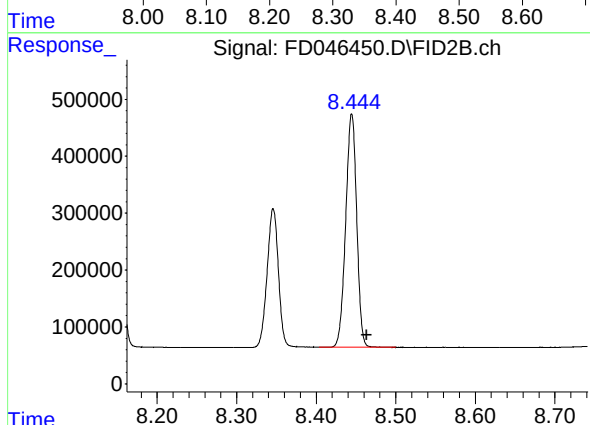
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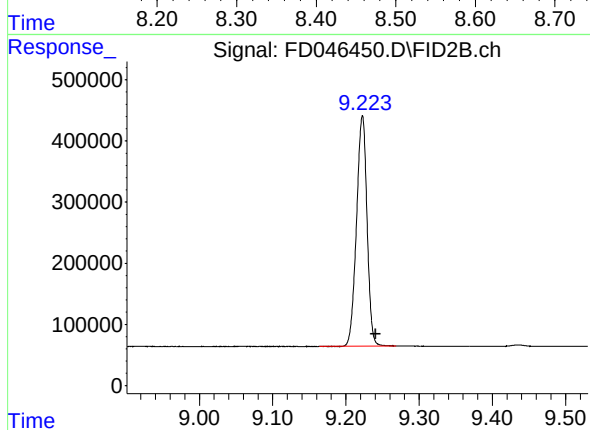
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.346 min
Delta R.T.: -0.015 min
Response: 2403870
Conc: 21.60 ug/ml



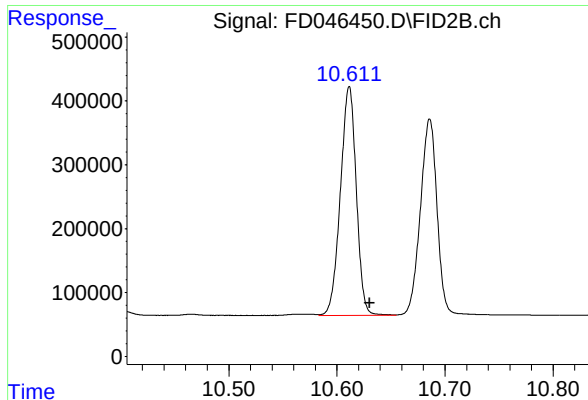
#7 Acenaphthene (C15.5)

R.T.: 8.445 min
Delta R.T.: -0.019 min
Response: 3936613
Conc: 21.85 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.222 min
Delta R.T.: -0.018 min
Response: 3761700
Conc: 21.51 ug/ml



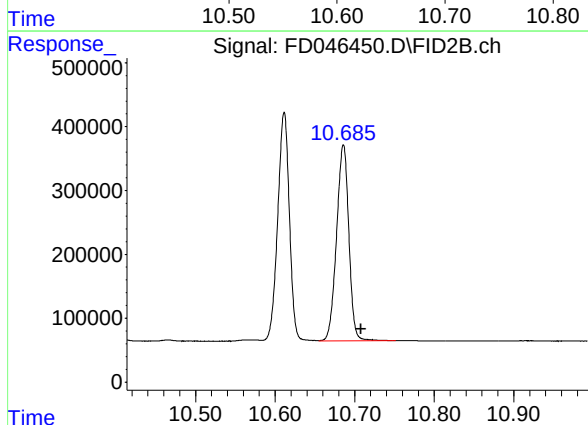
#9 Phenanthrene (C19.36)

R.T.: 10.611 min
Delta R.T.: -0.019 min
Response: 3668101
Conc: 21.38 ug/ml

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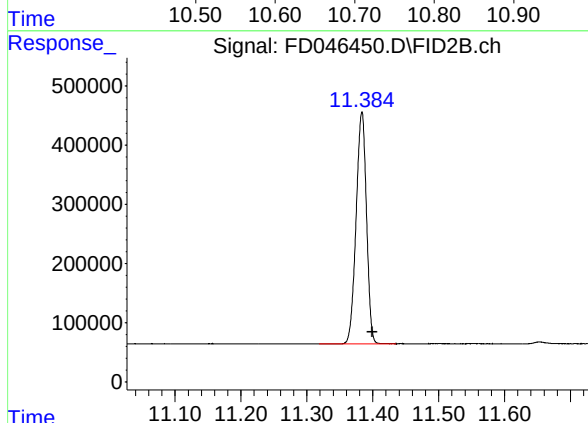
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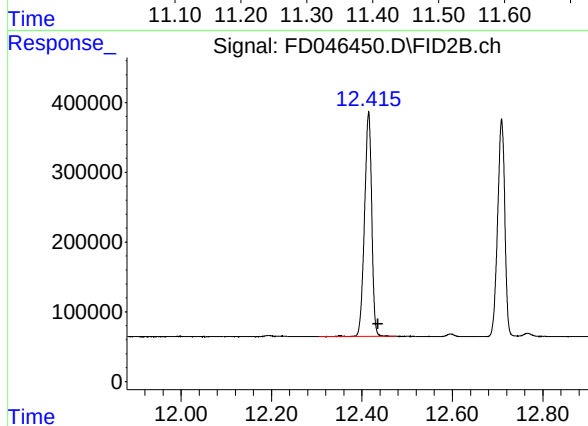
#10 Anthracene (C19.43)

R.T.: 10.686 min
Delta R.T.: -0.022 min
Response: 3290627
Conc: 19.51 ug/ml



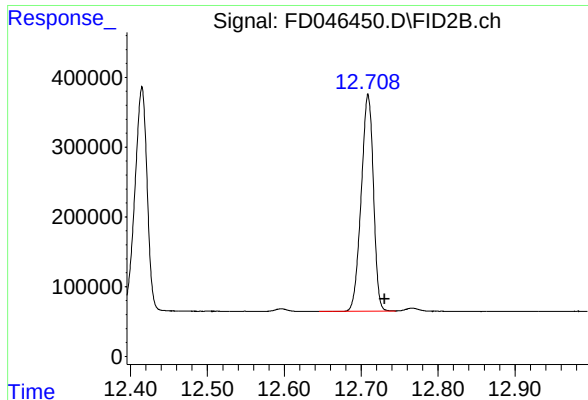
#11 ortho-Terphenyl (SURR)

R.T.: 11.383 min
Delta R.T.: -0.016 min
Response: 4278608
Conc: 21.82 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.415 min
Delta R.T.: -0.021 min
Response: 3550811
Conc: 21.34 ug/ml



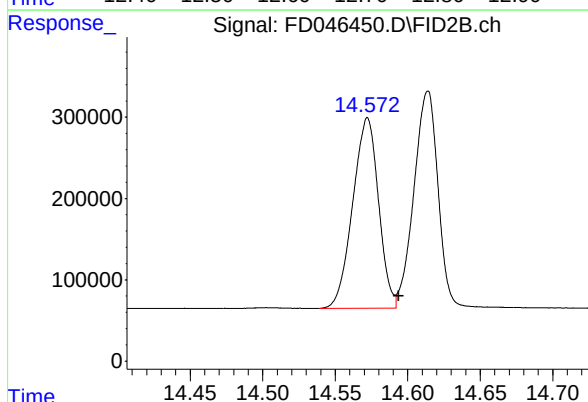
#13 Pyrene (C20.8)

R.T.: 12.709 min
Delta R.T.: -0.022 min
Response: 3423176
Conc: 21.24 ug/ml

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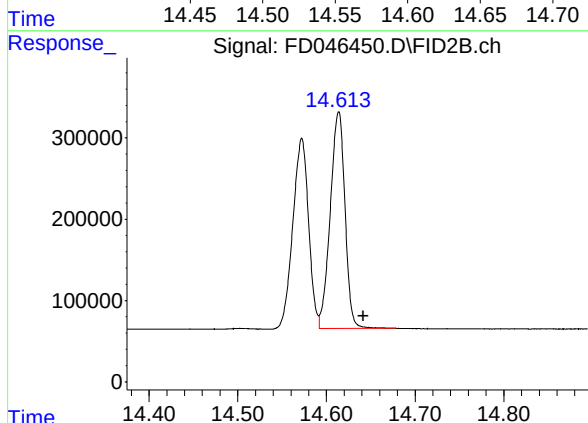
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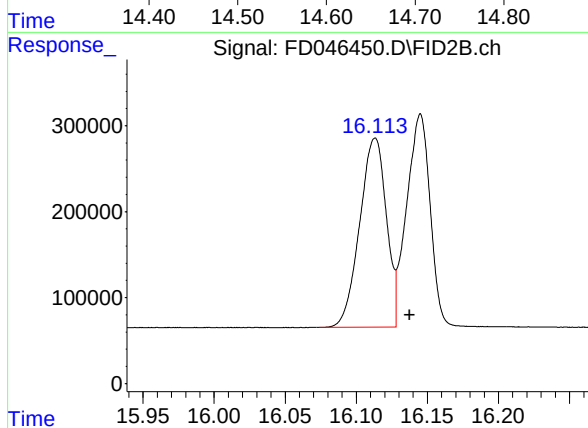
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.572 min
Delta R.T.: -0.022 min
Response: 2901027
Conc: 20.62 ug/ml m



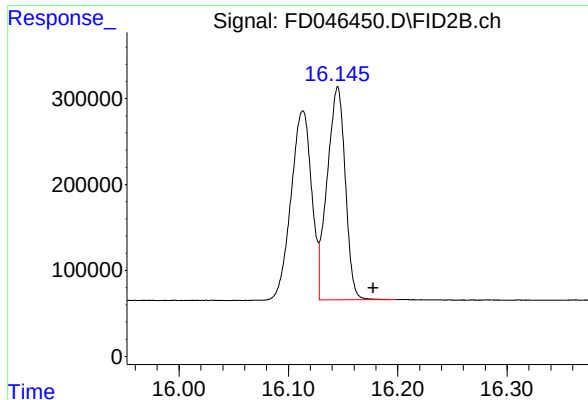
#15 Chrysene (C27.41)

R.T.: 14.614 min
Delta R.T.: -0.028 min
Response: 3083695
Conc: 20.79 ug/ml



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

R.T.: 16.113 min
Delta R.T.: -0.024 min
Response: 2880742
Conc: 21.20 ug/ml m



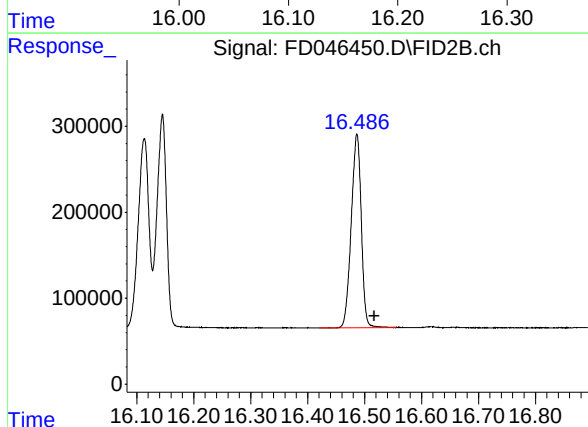
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.145 min
Delta R.T.: -0.033 min
Response: 2854937
Conc: 21.04 ug/ml

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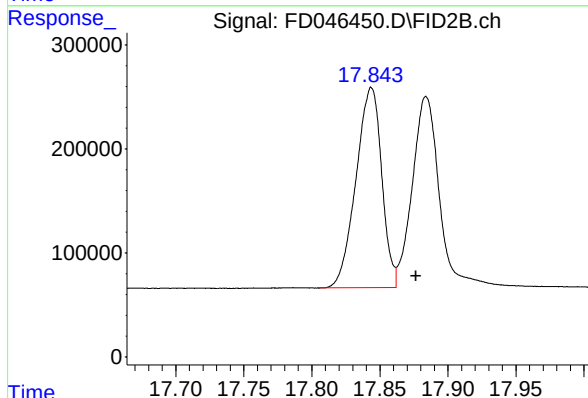
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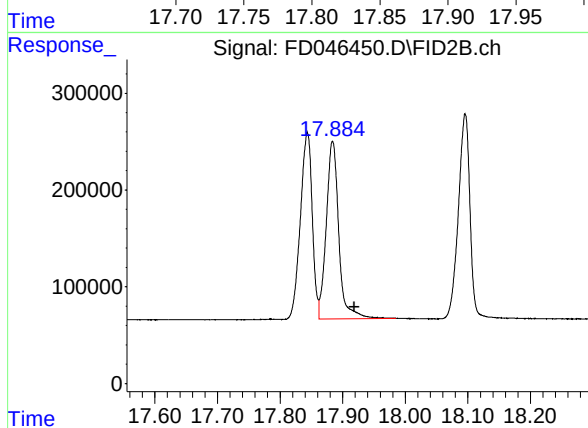
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.031 min
Response: 2754164
Conc: 20.90 ug/ml



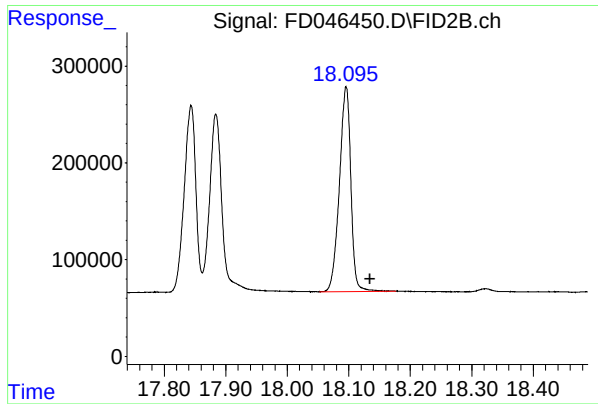
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.843 min
Delta R.T.: -0.033 min
Response: 2539526
Conc: 20.36 ug/ml m



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

R.T.: 17.884 min
Delta R.T.: -0.034 min
Response: 2555225
Conc: 20.39 ug/ml



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

R.T.: 18.096 min
Delta R.T.: -0.039 min
Response: 2733261
Conc: 21.31 ug/ml

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