

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101323AR\
 Data File : FD046736.D
 Signal(s) : FID2B.ch
 Acq On : 13 Oct 2023 09:48
 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 10/16/2023
 Supervised By :Ankita Jodhani 10/17/2023

Integration File: autoint1.e
 Quant Time: Oct 14 02:57:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 101023.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 11 02:49:06 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...	7.487	3869613	20.845 ug/ml
Spiked Amount 50.000		Recovery =	41.69%
6) S 2-Fluorobiphenyl (SURR)	8.341	2523451	20.827 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.65%
11) S ortho-Terphenyl (SURR)	11.379	4541750	20.992 ug/ml
Spiked Amount 50.000		Recovery =	41.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.301	4036875	20.789 ug/ml
2) T Naphthalene (C11.7)	5.827	4217653	20.848 ug/ml
3) T 2-Methylnaphthalene (...)	6.876	4265306	20.881 ug/ml
5) T Acenaphthylene (C15.06)	8.145	3869158	20.960 ug/ml
7) T Acenaphthene (C15.5)	8.440	4160988	20.931 ug/ml
8) T Flouorene (C16.55)	9.218	3980243	20.910 ug/ml
9) T Phenanthrene (C19.36)	10.607	3856745	20.924 ug/ml
10) T Anthracene (C19.43)	10.680	2708643	20.718 ug/ml
12) T Fluoranthene (C21.85)	12.409	3796112	20.835 ug/mlm
13) T Pyrene (C20.8)	12.703	3697522	21.085 ug/ml
14) T Benzo[a]anthracene (C...	14.567	3027523	20.673 ug/ml
15) T Chrysene (C27.41)	14.609	3347279	20.805 ug/ml
16) T benzo[b]fluoranthene ...	16.109	3122635	20.898 ug/ml
17) T Bnezo[k]fluoranthene ...	16.141	3103102	20.628 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.483	2946668	20.836 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.840	2729830	20.136 ug/ml
20) T Dibenz[a,h]anthracene...	17.882	2739820	19.391 ug/ml
21) T Benzo[g,h,i]perylene ...	18.093	2907650	20.670 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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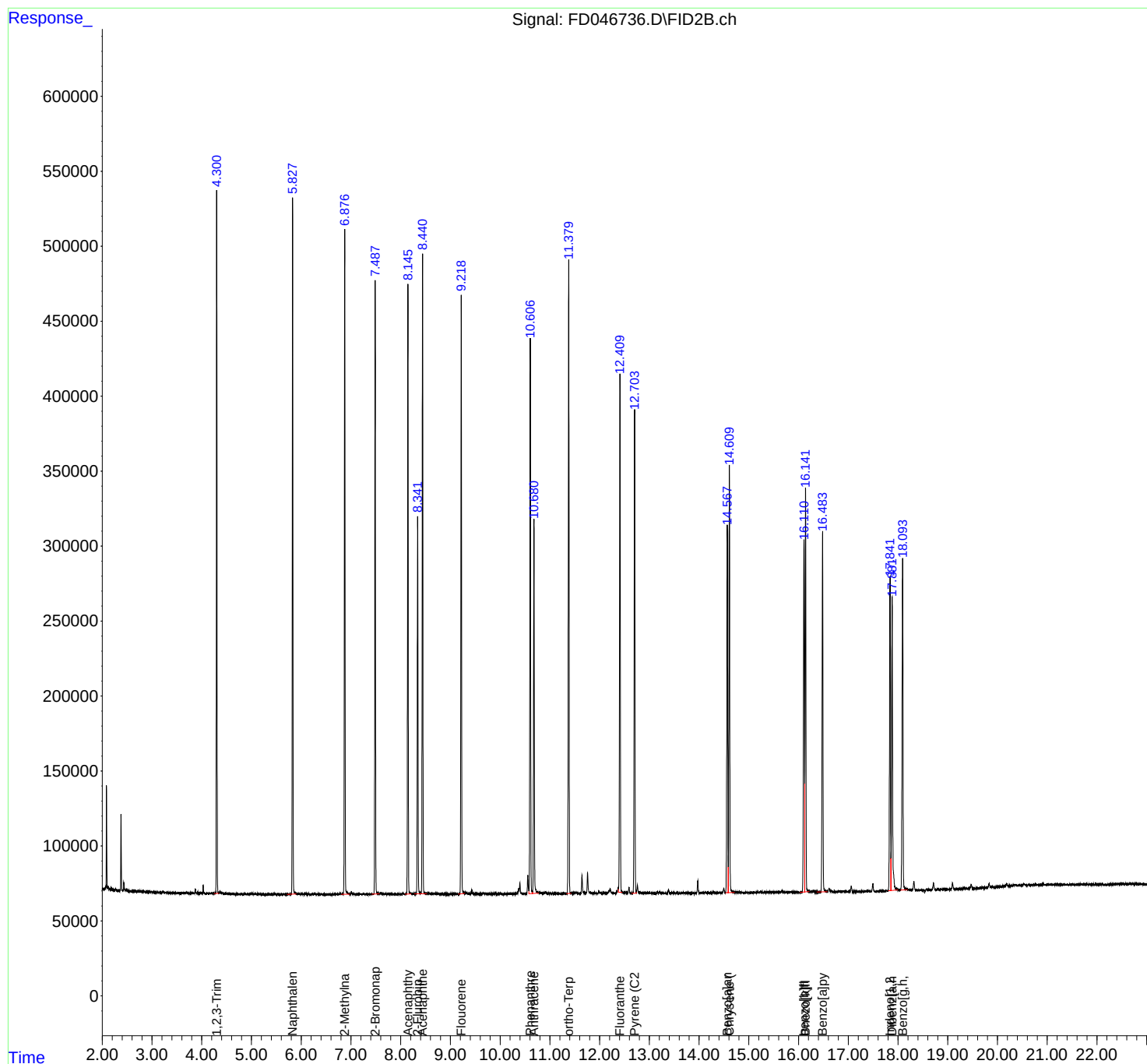
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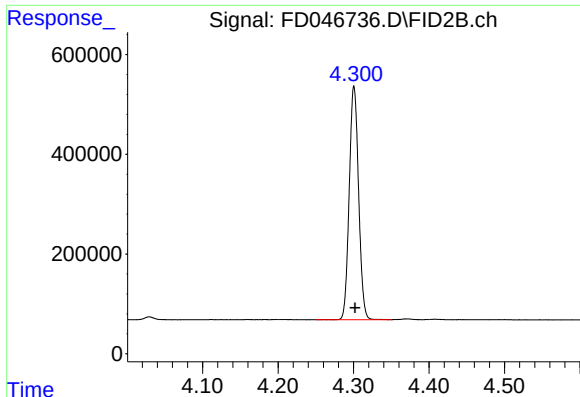
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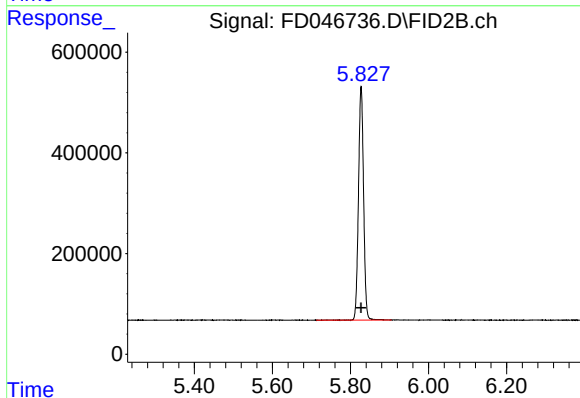
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 4036875
Conc: 20.79 ug/ml

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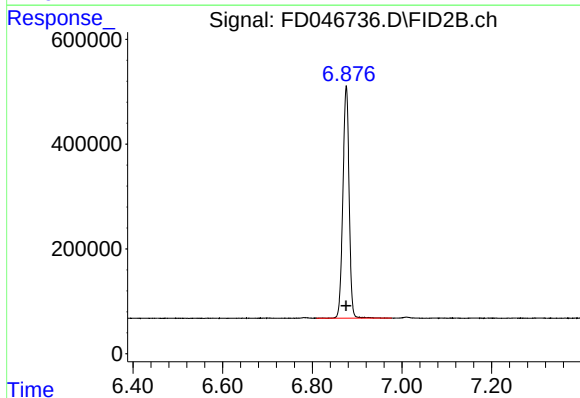
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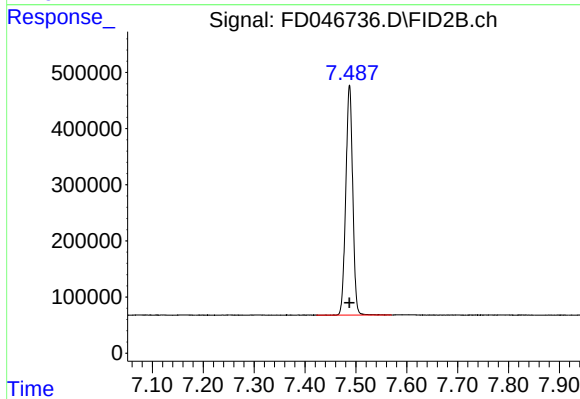
#2 Naphthalene (C11.7)

R.T.: 5.827 min
Delta R.T.: 0.000 min
Response: 4217653
Conc: 20.85 ug/ml



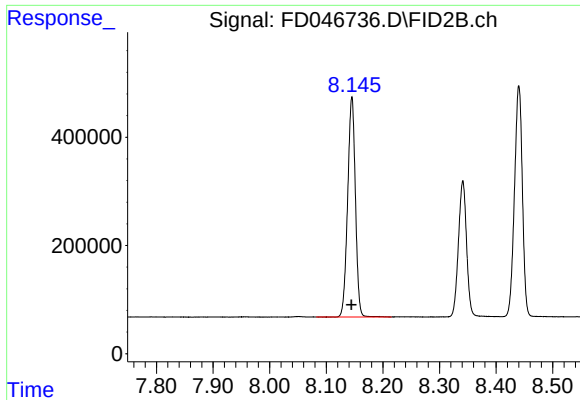
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 4265306
Conc: 20.88 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 3869613
Conc: 20.85 ug/ml



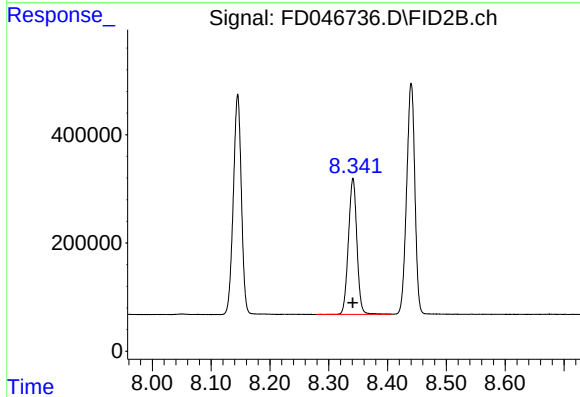
#5 Acenaphthylene (C15.06)

R.T.: 8.145 min
Delta R.T.: 0.000 min
Response: 3869158
Conc: 20.96 ug/ml

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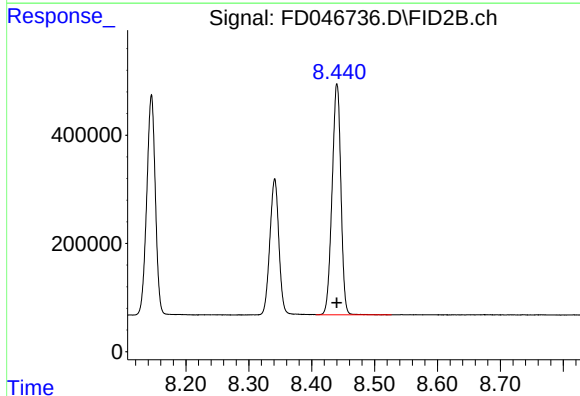
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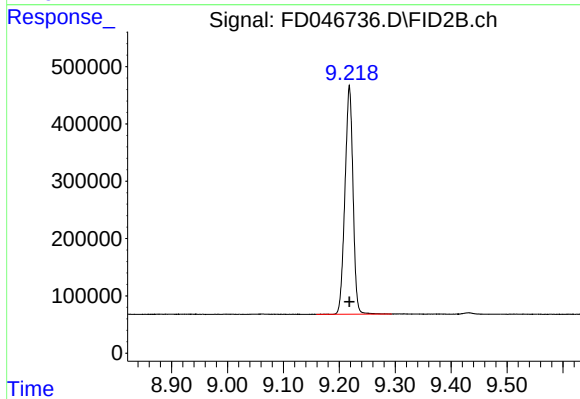
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.341 min
Delta R.T.: 0.000 min
Response: 2523451
Conc: 20.83 ug/ml



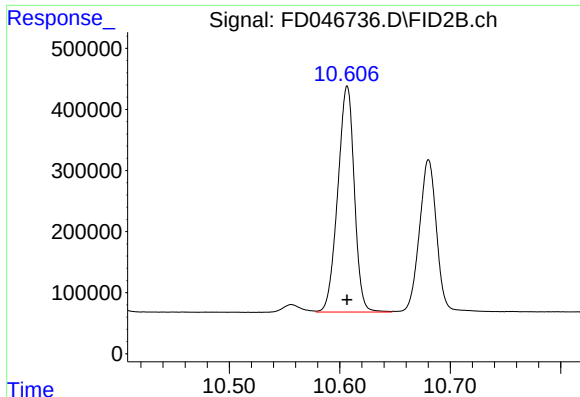
#7 Acenaphthene (C15.5)

R.T.: 8.440 min
Delta R.T.: 0.000 min
Response: 4160988
Conc: 20.93 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.218 min
Delta R.T.: 0.000 min
Response: 3980243
Conc: 20.91 ug/ml



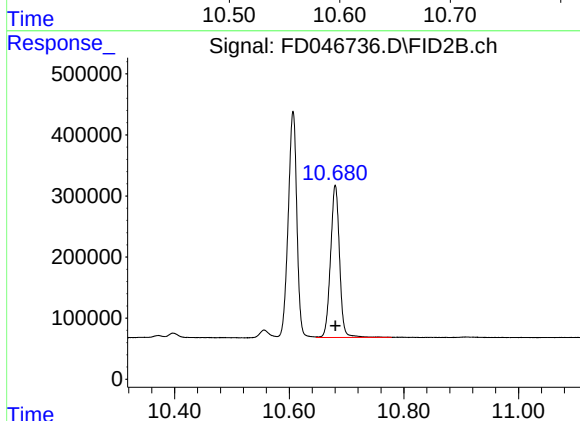
#9 Phenanthrene (C19.36)

R.T.: 10.607 min
Delta R.T.: 0.000 min
Response: 3856745
Conc: 20.92 ug/ml

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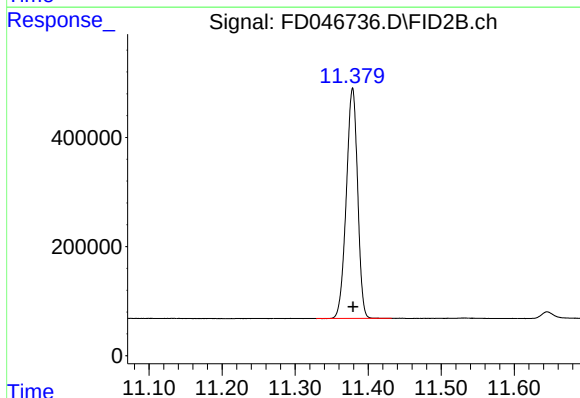
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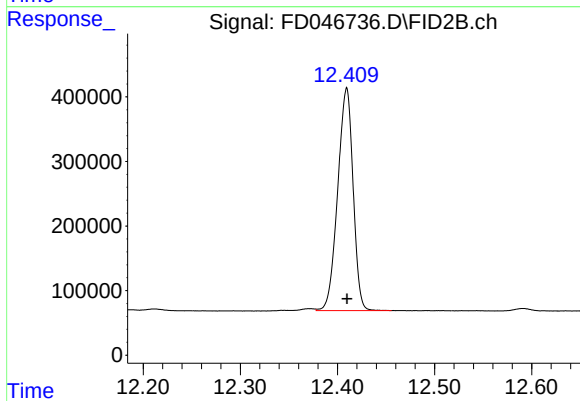
#10 Anthracene (C19.43)

R.T.: 10.680 min
Delta R.T.: 0.000 min
Response: 2708643
Conc: 20.72 ug/ml



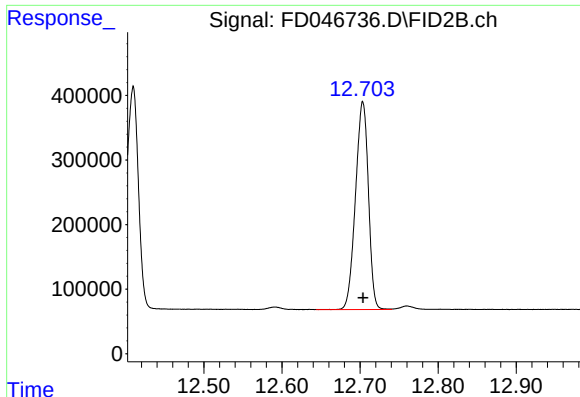
#11 ortho-Terphenyl (SURR)

R.T.: 11.379 min
Delta R.T.: 0.000 min
Response: 4541750
Conc: 20.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.409 min
Delta R.T.: 0.000 min
Response: 3796112
Conc: 20.84 ug/ml m



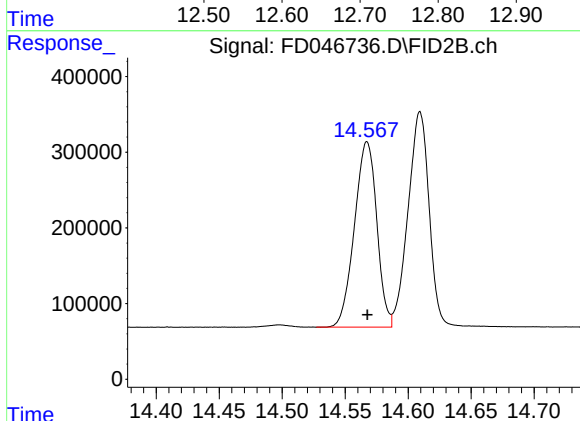
#13 Pyrene (C20.8)

R.T.: 12.703 min
Delta R.T.: 0.000 min
Response: 3697522
Conc: 21.09 ug/ml

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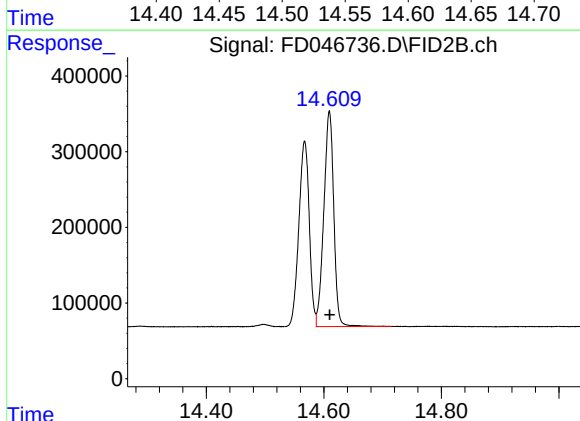
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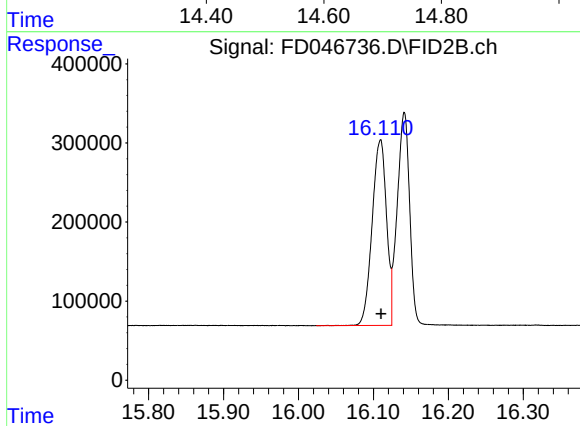
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.567 min
Delta R.T.: 0.000 min
Response: 3027523
Conc: 20.67 ug/ml



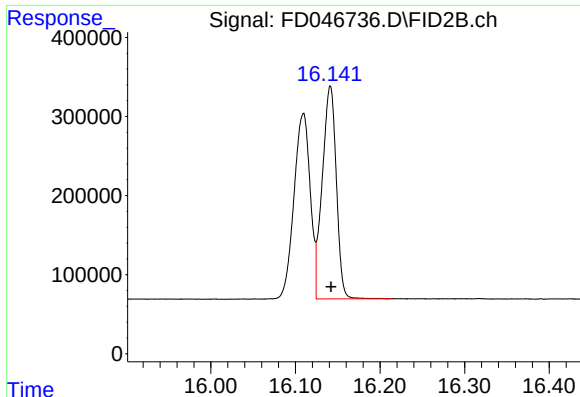
#15 Chrysene (C27.41)

R.T.: 14.609 min
Delta R.T.: 0.000 min
Response: 3347279
Conc: 20.80 ug/ml



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

R.T.: 16.109 min
Delta R.T.: -0.001 min
Response: 3122635
Conc: 20.90 ug/ml



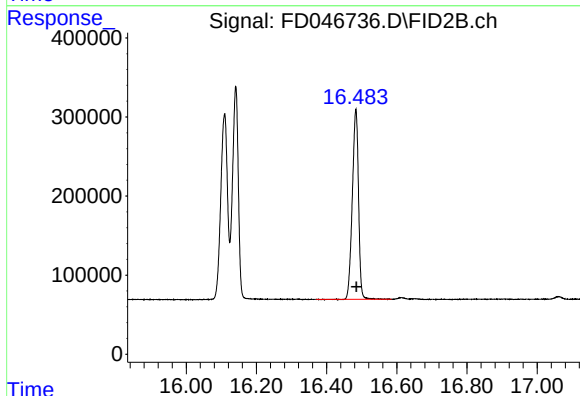
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.141 min
Delta R.T.: 0.000 min
Response: 3103102
Conc: 20.63 ug/ml

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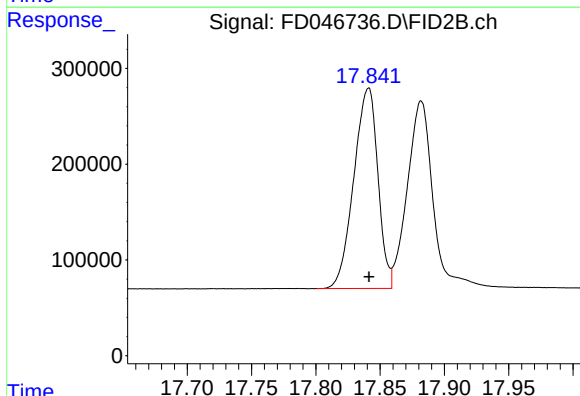
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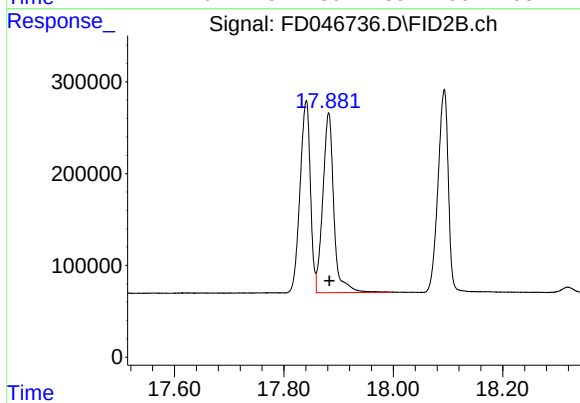
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.483 min
Delta R.T.: -0.002 min
Response: 2946668
Conc: 20.84 ug/ml



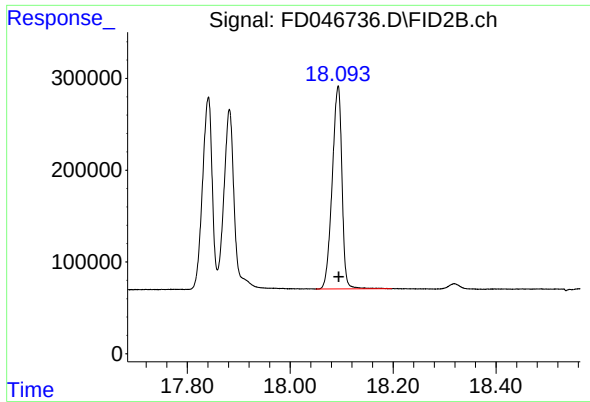
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.840 min
Delta R.T.: 0.000 min
Response: 2729830
Conc: 20.14 ug/ml



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

R.T.: 17.882 min
Delta R.T.: -0.002 min
Response: 2739820
Conc: 19.39 ug/ml



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

R.T.: 18.093 min
Delta R.T.: -0.001 min
Response: 2907650
Conc: 20.67 ug/ml

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