

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AR\
 Data File : FD046699.D
 Signal(s) : FID2B.ch
 Acq On : 09 Oct 2023 21:09
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/10/2023
 Supervised By :Ankita Jodhani 10/10/2023

Integration File: autoint1.e
 Quant Time: Oct 10 02:57:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:47:22 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...	7.488	3796663	21.544 ug/ml
Spiked Amount 50.000		Recovery =	43.09%
6) S 2-Fluorobiphenyl (SURR)	8.342	2500051	21.578 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.16%
11) S ortho-Terphenyl (SURR)	11.380	4480549	21.993 ug/ml
Spiked Amount 50.000		Recovery =	43.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.301	3965893	21.472 ug/ml
2) T Naphthalene (C11.7)	5.828	4163253	21.545 ug/ml
3) T 2-Methylnaphthalene (...)	6.876	4205206	21.700 ug/ml
5) T Acenaphthylene (C15.06)	8.146	3787577	21.481 ug/ml
7) T Acenaphthene (C15.5)	8.441	4085087	21.741 ug/ml
8) T Fluorene (C16.55)	9.219	3937219	21.826 ug/ml
9) T Phenanthrene (C19.36)	10.609	3830251	21.784 ug/ml
10) T Anthracene (C19.43)	10.683	3246379	21.136 ug/ml
12) T Fluoranthene (C21.85)	12.411	3810697	22.358 ug/ml
13) T Pyrene (C20.8)	12.705	3668449	22.362 ug/ml
14) T Benzo[a]anthracene (C...	14.569	3133692	22.442 ug/ml
15) T Chrysene (C27.41)	14.611	3473901	22.884 ug/ml
16) T benzo[b]fluoranthene ...	16.112	3124952	22.782 ug/ml
17) T Bnezo[k]fluoranthene ...	16.144	3416462	24.663 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2961287	22.136 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.843	2763865	22.049 ug/mlm
20) T Dibenz[a,h]anthracene...	17.885	3142864	23.618 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.096	2921003	22.150 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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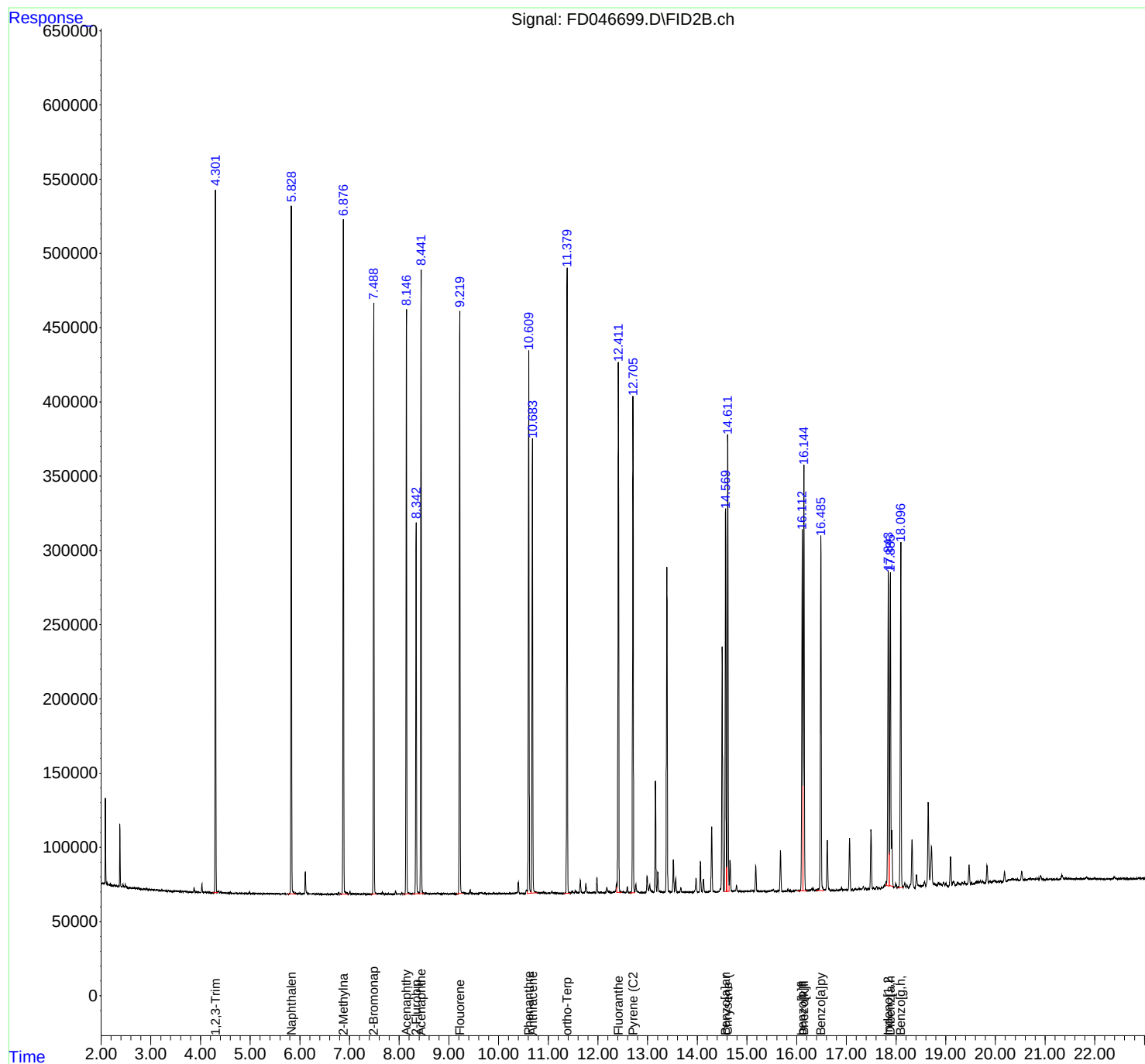
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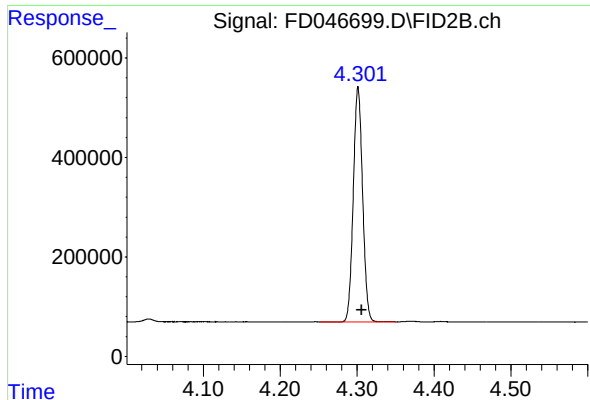
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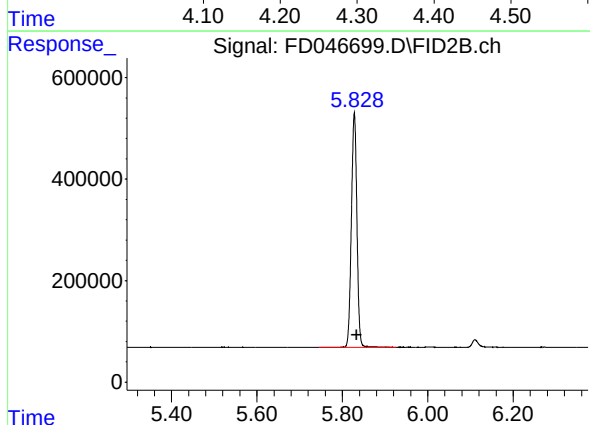
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.301 min
Delta R.T.: -0.005 min
Response: 3965893
Conc: 21.47 ug/ml

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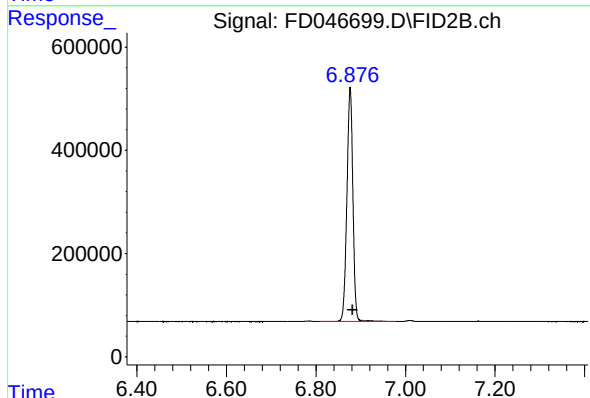
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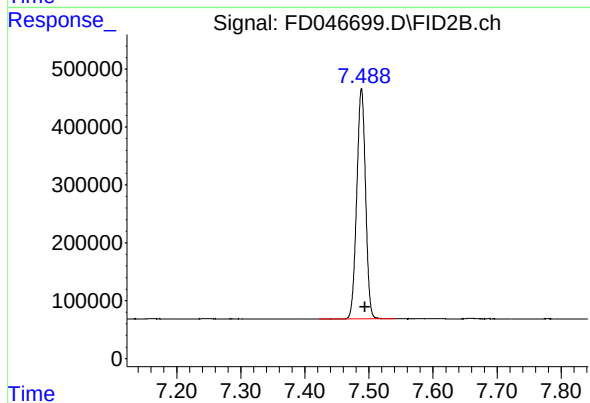
#2 Naphthalene (C11.7)

R.T.: 5.828 min
Delta R.T.: -0.005 min
Response: 4163253
Conc: 21.55 ug/ml



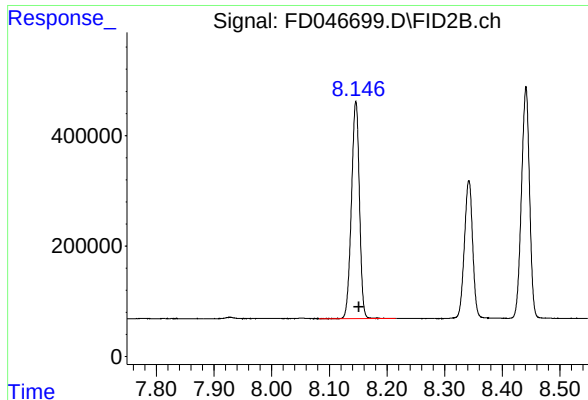
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.876 min
Delta R.T.: -0.006 min
Response: 4205206
Conc: 21.70 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.488 min
Delta R.T.: -0.005 min
Response: 3796663
Conc: 21.54 ug/ml



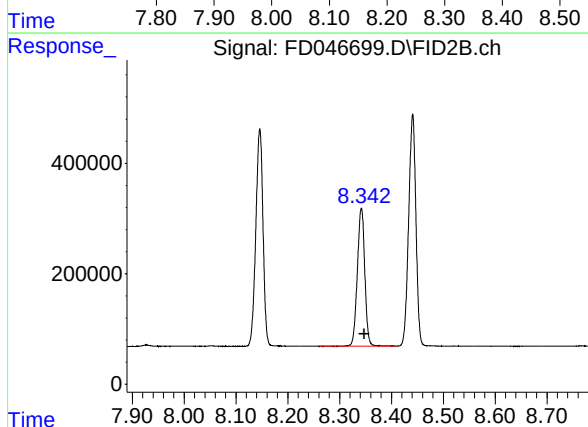
#5 Acenaphthylene (C15.06)

R.T.: 8.146 min
Delta R.T.: -0.005 min
Response: 3787577
Conc: 21.48 ug/ml

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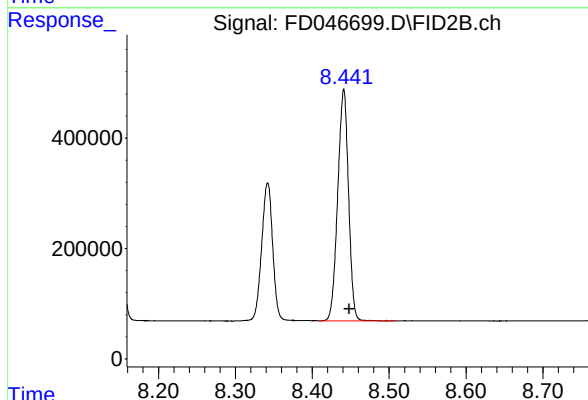
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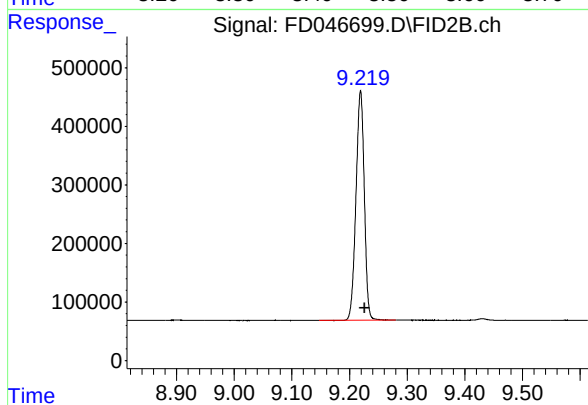
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.342 min
Delta R.T.: -0.005 min
Response: 2500051
Conc: 21.58 ug/ml



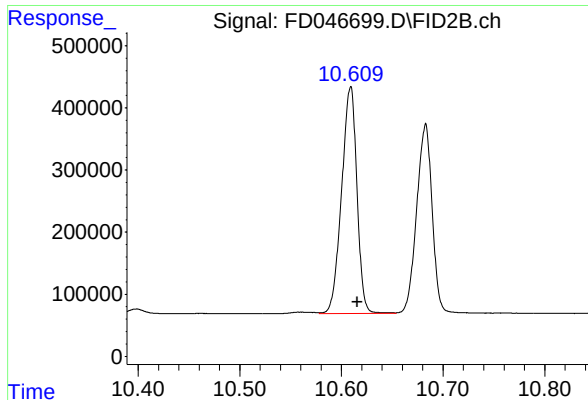
#7 Acenaphthene (C15.5)

R.T.: 8.441 min
Delta R.T.: -0.007 min
Response: 4085087
Conc: 21.74 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.219 min
Delta R.T.: -0.007 min
Response: 3937219
Conc: 21.83 ug/ml



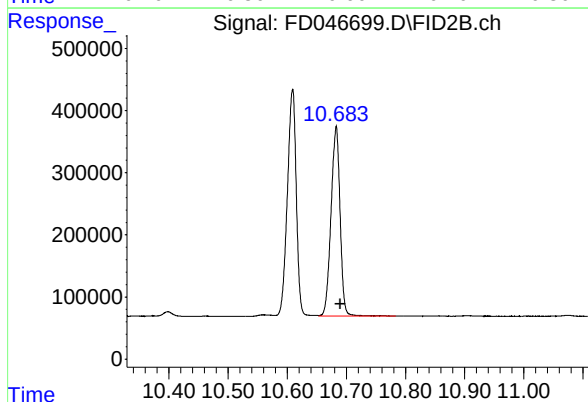
#9 Phenanthrene (C19.36)

R.T.: 10.609 min
Delta R.T.: -0.007 min
Response: 3830251
Conc: 21.78 ug/ml

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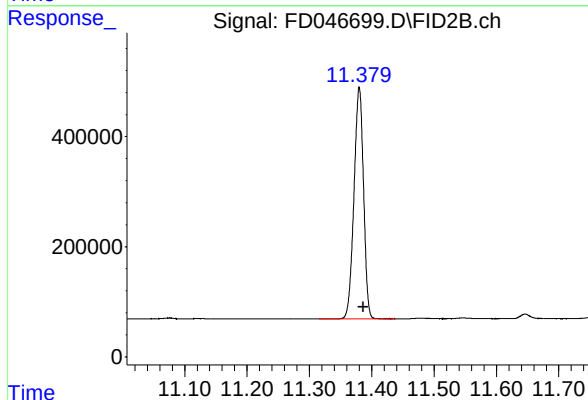
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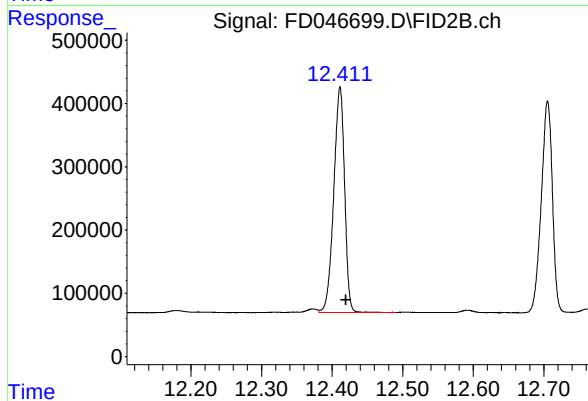
#10 Anthracene (C19.43)

R.T.: 10.683 min
Delta R.T.: -0.007 min
Response: 3246379
Conc: 21.14 ug/ml



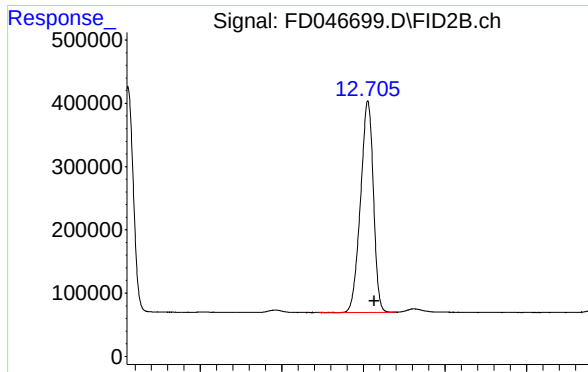
#11 ortho-Terphenyl (SURRE)

R.T.: 11.380 min
Delta R.T.: -0.007 min
Response: 4480549
Conc: 21.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.411 min
Delta R.T.: -0.009 min
Response: 3810697
Conc: 22.36 ug/ml



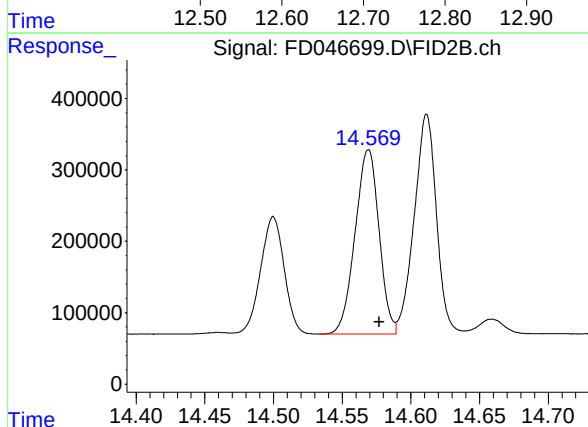
#13 Pyrene (C20.8)

R.T.: 12.705 min
Delta R.T.: -0.008 min
Response: 3668449
Conc: 22.36 ug/ml

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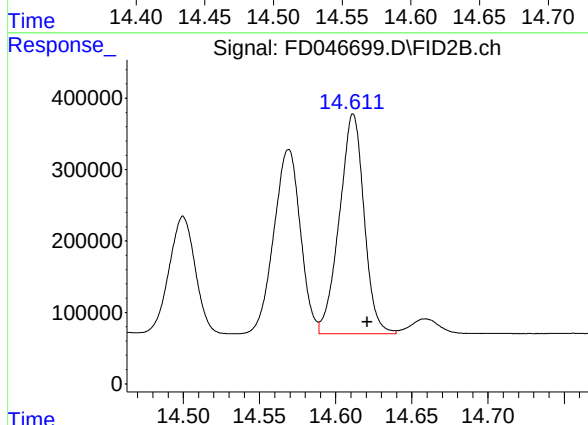
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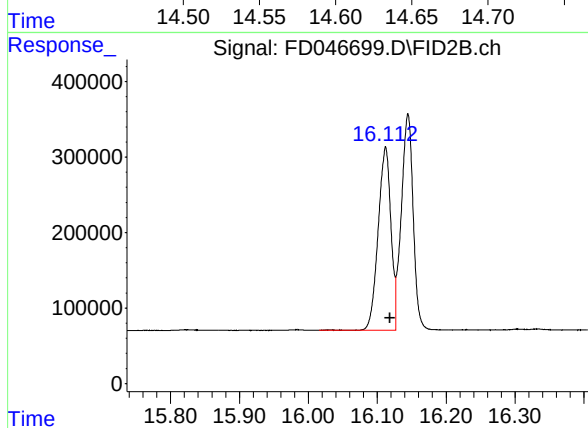
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.569 min
Delta R.T.: -0.008 min
Response: 3133692
Conc: 22.44 ug/ml



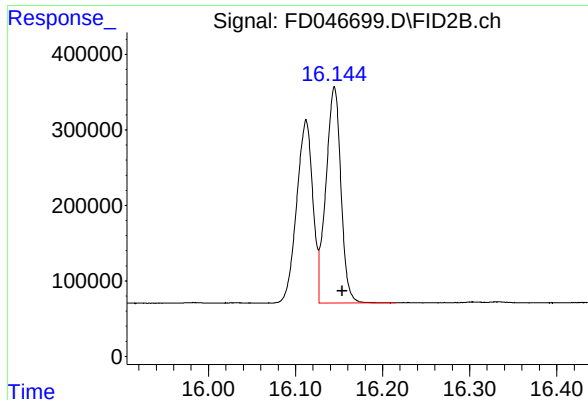
#15 Chrysene (C27.41)

R.T.: 14.611 min
Delta R.T.: -0.009 min
Response: 3473901
Conc: 22.88 ug/ml



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

R.T.: 16.112 min
Delta R.T.: -0.007 min
Response: 3124952
Conc: 22.78 ug/ml



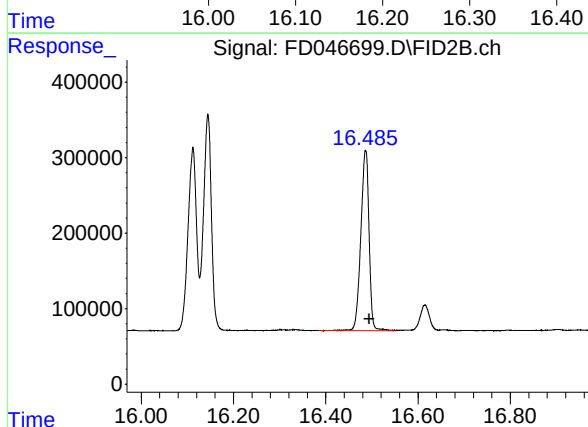
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.009 min
Response: 3416462
Conc: 24.66 ug/ml

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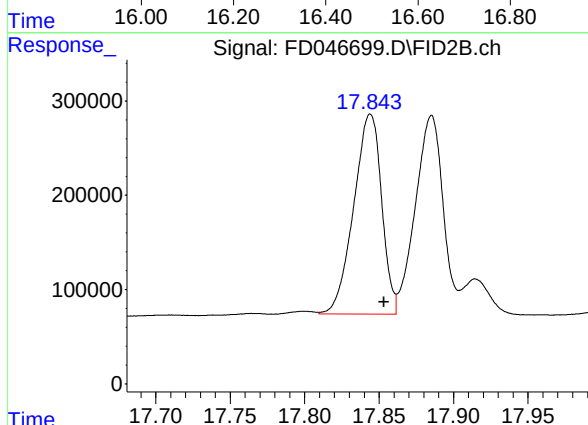
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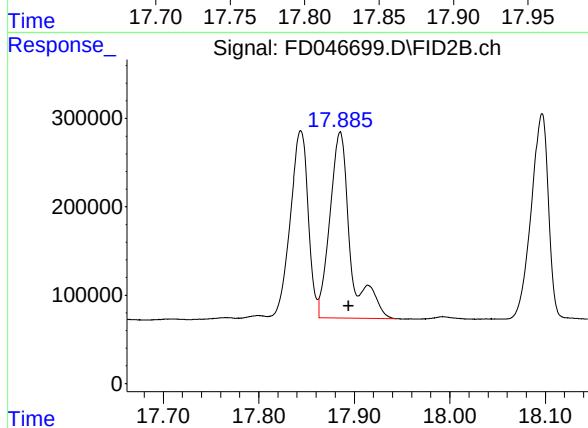
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.008 min
Response: 2961287
Conc: 22.14 ug/ml



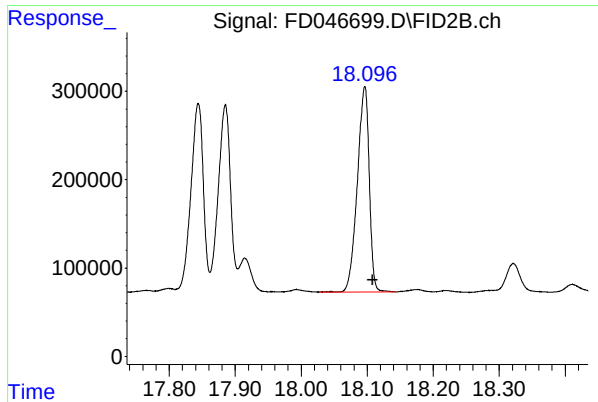
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.843 min
Delta R.T.: -0.010 min
Response: 2763865
Conc: 22.05 ug/ml m



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

R.T.: 17.885 min
Delta R.T.: -0.009 min
Response: 3142864
Conc: 23.62 ug/ml m



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

R.T.: 18.096 min
Delta R.T.: -0.012 min
Response: 2921003
Conc: 22.15 ug/ml

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