

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100923AR\
 Data File : FD046705.D
 Signal(s) : FID2B.ch
 Acq On : 10 Oct 2023 02:16
 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 02:58:06 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	3880137	22.018 ug/ml
Spiked Amount 50.000		Recovery =	44.04%
6) S 2-Fluorobiphenyl (SURR)	8.342	2567681	22.162 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.32%
11) S ortho-Terphenyl (SURR)	11.380	4562255	22.394 ug/ml
Spiked Amount 50.000		Recovery =	44.79%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.302	4026716	21.802 ug/ml
2) T Naphthalene (C11.7)	5.828	4242437	21.955 ug/ml
3) T 2-Methylnaphthalene (...)	6.876	4297001	22.174 ug/ml
5) T Acenaphthylene (C15.06)	8.146	3870809	21.953 ug/ml
7) T Acenaphthene (C15.5)	8.441	4165223	22.168 ug/ml
8) T Fluorene (C16.55)	9.219	4043933	22.418 ug/ml
9) T Phenanthrene (C19.36)	10.608	3916796	22.277 ug/ml
10) T Anthracene (C19.43)	10.682	3344249	21.773 ug/ml
12) T Fluoranthene (C21.85)	12.412	3890026	22.823 ug/mlm
13) T Pyrene (C20.8)	12.705	3754366	22.886 ug/ml
14) T Benzo[a]anthracene (C...	14.570	3226076	23.104 ug/ml
15) T Chrysene (C27.41)	14.612	3572228	23.532 ug/ml
16) T benzo[b]fluoranthene ...	16.112	3192610	23.275 ug/ml
17) T Bnezo[k]fluoranthene ...	16.144	3494230	25.225 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.485	3025250	22.614 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.844	2861683	22.830 ug/mlm
20) T Dibenz[a,h]anthracene...	17.884	3282146	24.665 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.096	2981051	22.605 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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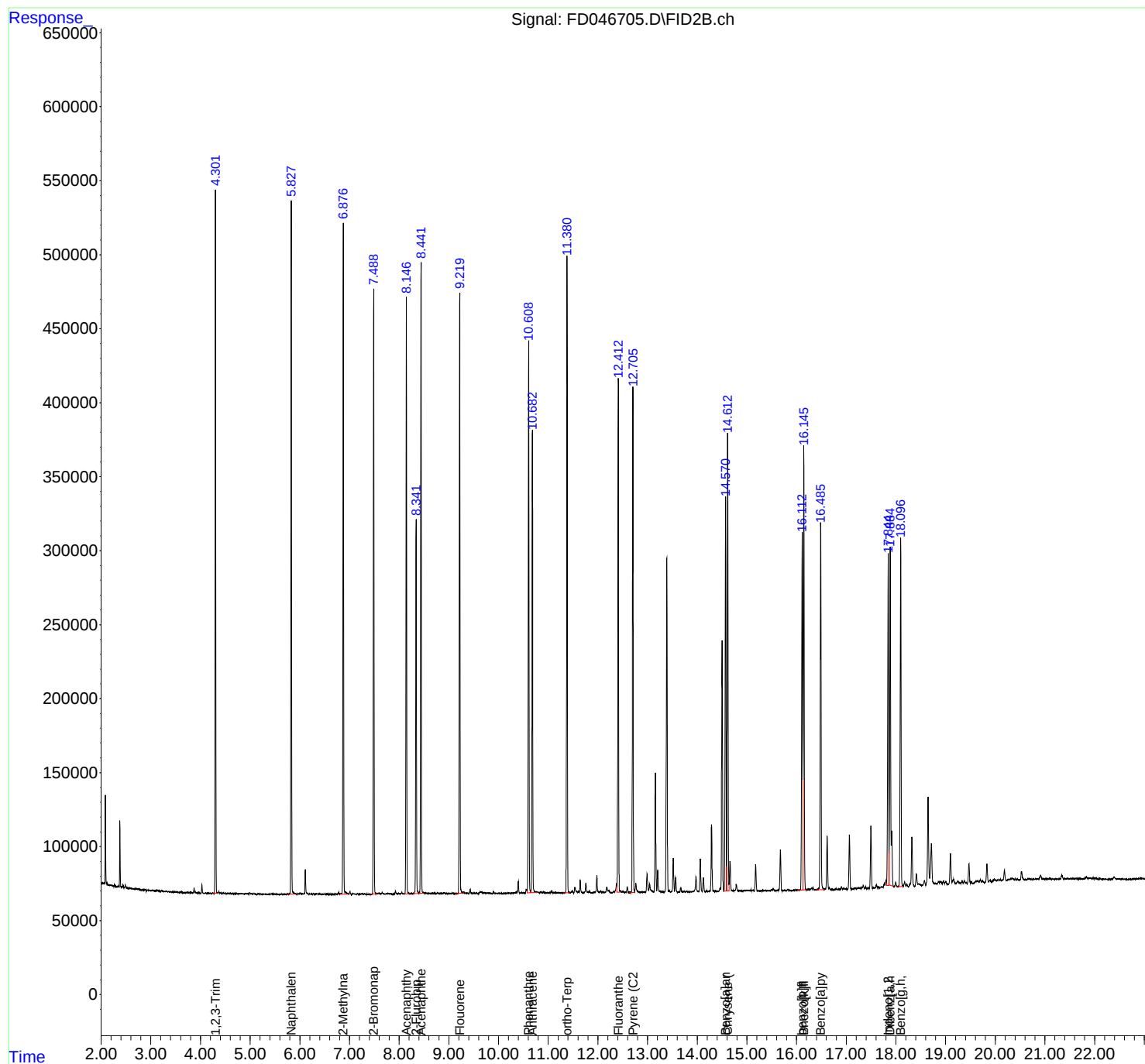
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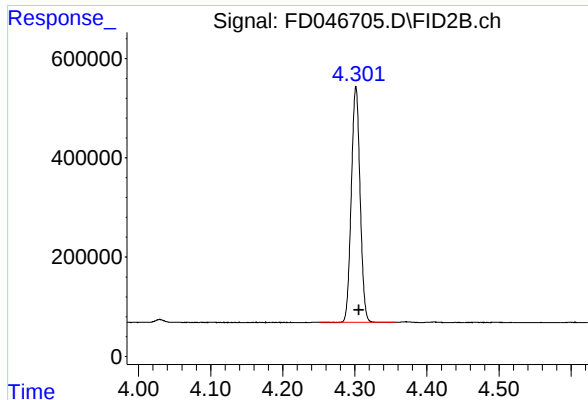
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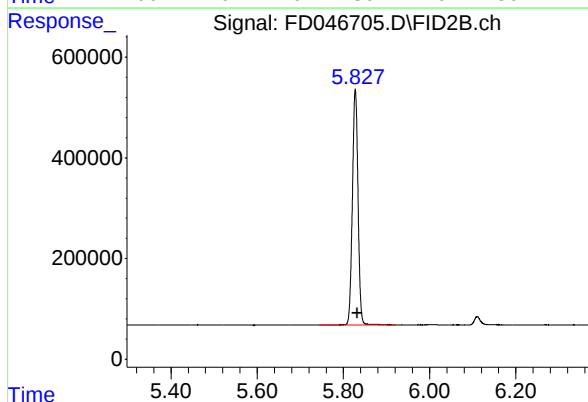
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.302 min
Delta R.T.: -0.004 min
Response: 4026716
Conc: 21.80 ug/ml

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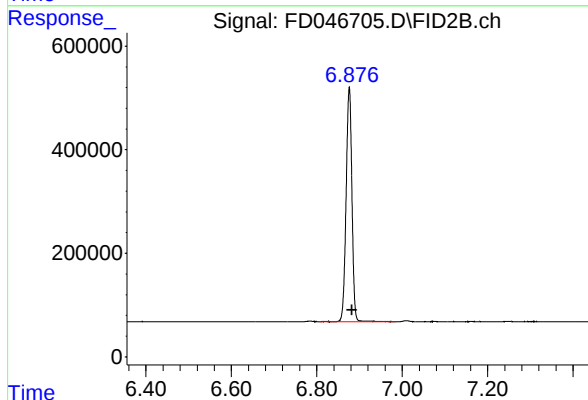
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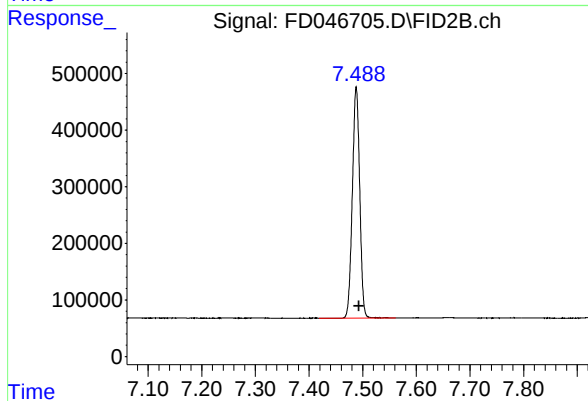
#2 Naphthalene (C11.7)

R.T.: 5.828 min
Delta R.T.: -0.005 min
Response: 4242437
Conc: 21.95 ug/ml



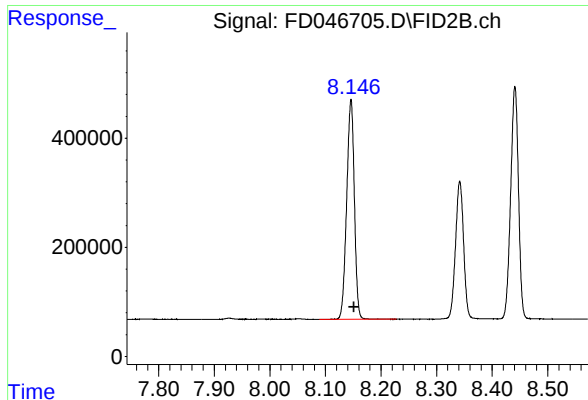
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.876 min
Delta R.T.: -0.006 min
Response: 4297001
Conc: 22.17 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.488 min
Delta R.T.: -0.005 min
Response: 3880137
Conc: 22.02 ug/ml



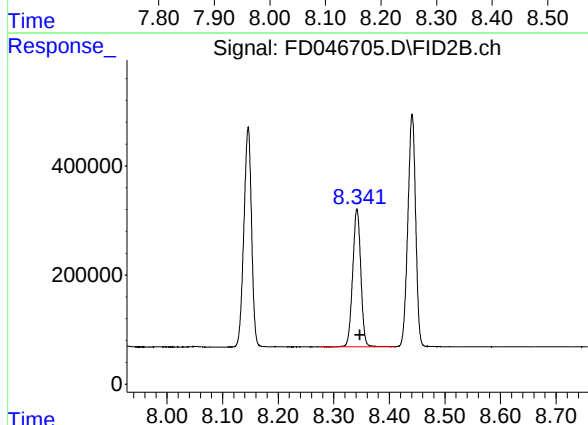
#5 Acenaphthylene (C15.06)

R.T.: 8.146 min
Delta R.T.: -0.005 min
Response: 3870809
Conc: 21.95 ug/ml

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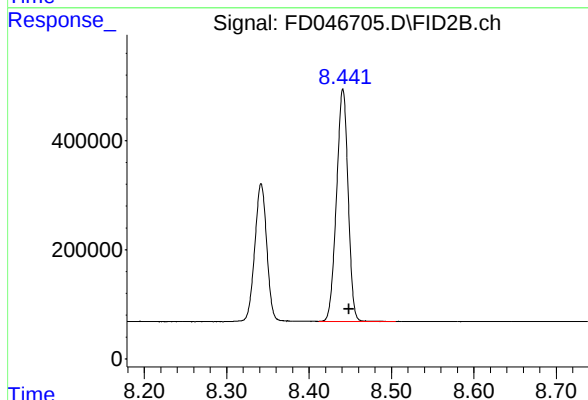
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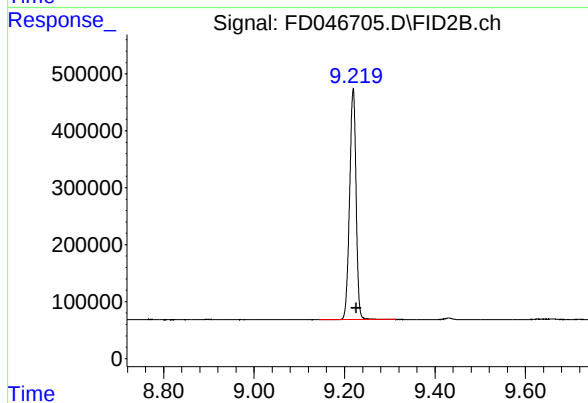
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.342 min
Delta R.T.: -0.005 min
Response: 2567681
Conc: 22.16 ug/ml



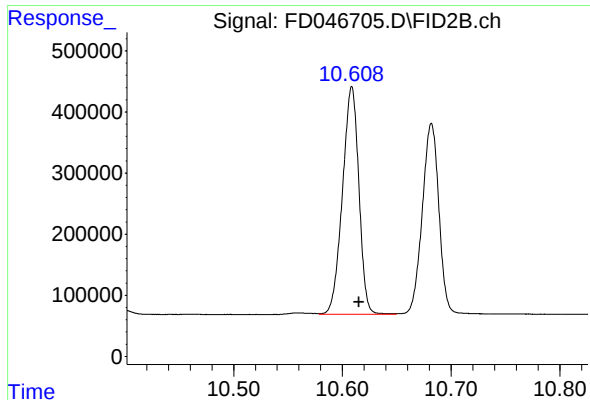
#7 Acenaphthene (C15.5)

R.T.: 8.441 min
Delta R.T.: -0.007 min
Response: 4165223
Conc: 22.17 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.219 min
Delta R.T.: -0.007 min
Response: 4043933
Conc: 22.42 ug/ml



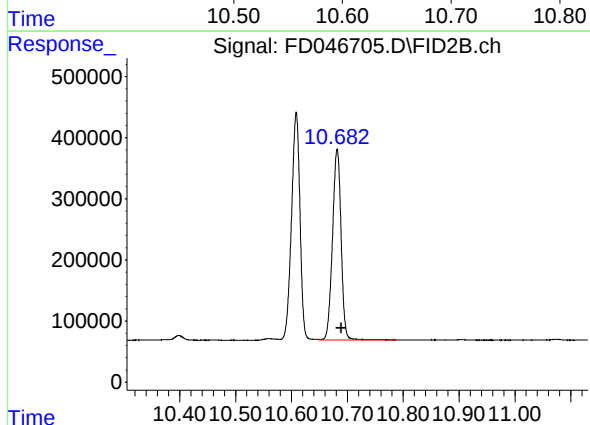
#9 Phenanthrene (C19.36)

R.T.: 10.608 min
Delta R.T.: -0.007 min
Response: 3916796
Conc: 22.28 ug/ml

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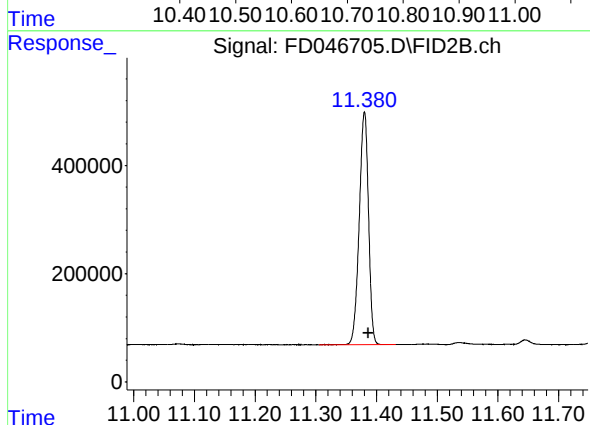
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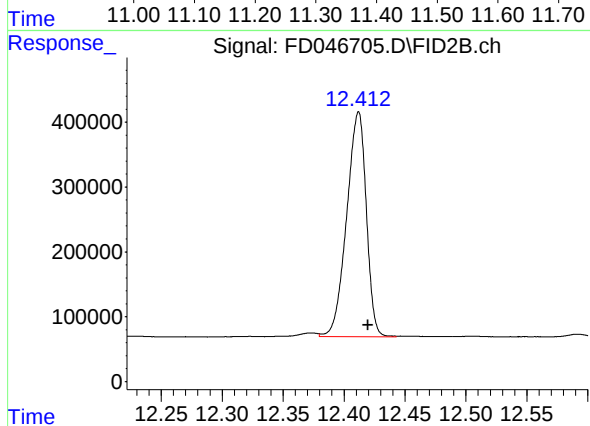
#10 Anthracene (C19.43)

R.T.: 10.682 min
Delta R.T.: -0.008 min
Response: 3344249
Conc: 21.77 ug/ml



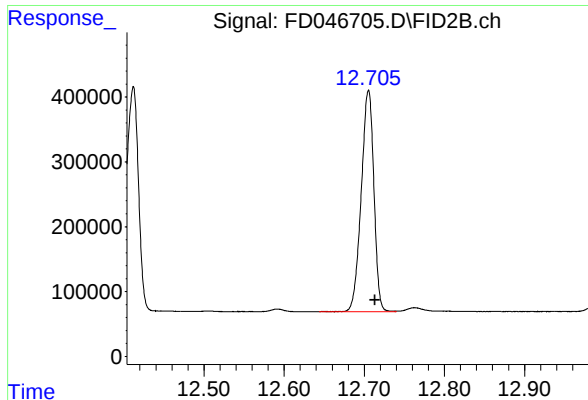
#11 ortho-Terphenyl (SURR)

R.T.: 11.380 min
Delta R.T.: -0.006 min
Response: 4562255
Conc: 22.39 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.412 min
Delta R.T.: -0.008 min
Response: 3890026
Conc: 22.82 ug/ml m



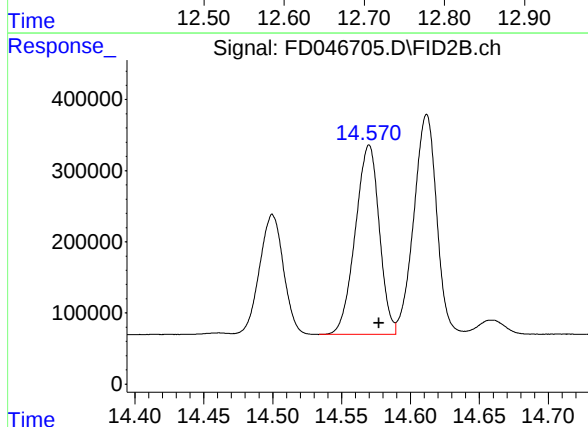
#13 Pyrene (C20.8)

R.T.: 12.705 min
Delta R.T.: -0.008 min
Response: 3754366
Conc: 22.89 ug/ml

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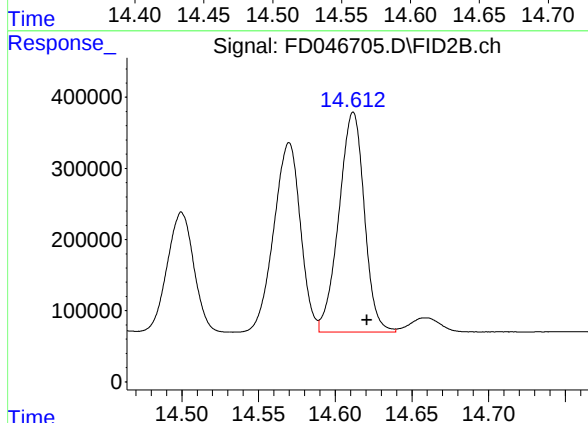
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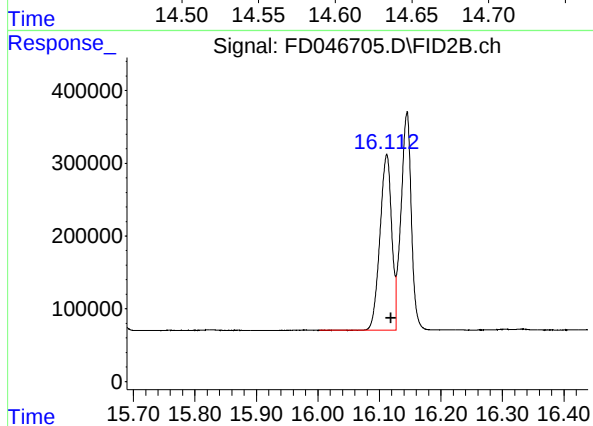
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.570 min
Delta R.T.: -0.007 min
Response: 3226076
Conc: 23.10 ug/ml



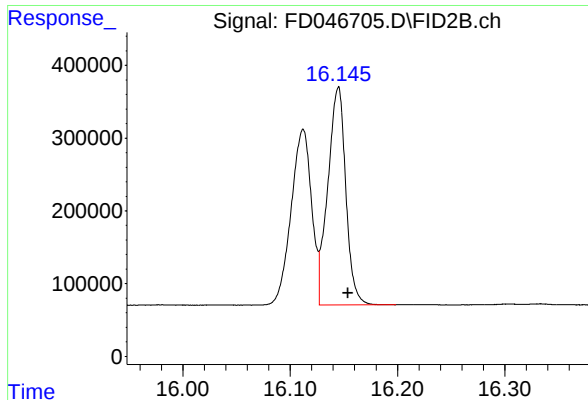
#15 Chrysene (C27.41)

R.T.: 14.612 min
Delta R.T.: -0.009 min
Response: 3572228
Conc: 23.53 ug/ml



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

R.T.: 16.112 min
Delta R.T.: -0.007 min
Response: 3192610
Conc: 23.28 ug/ml



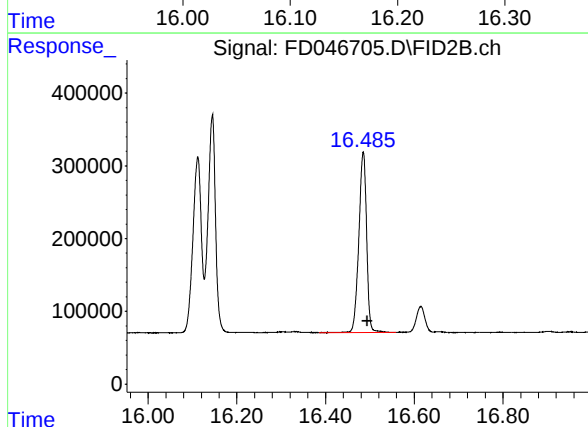
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.009 min
Response: 3494230
Conc: 25.22 ug/ml

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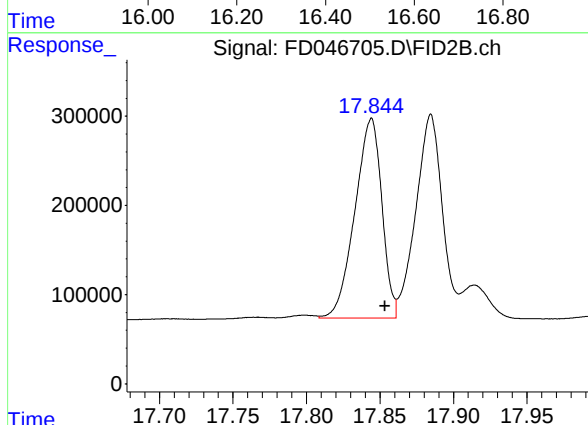
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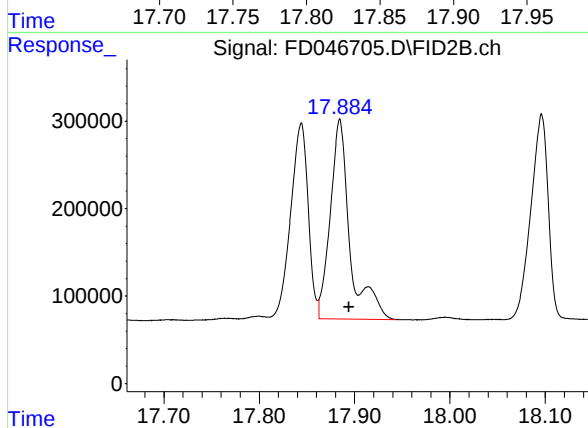
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: -0.010 min
Response: 3025250
Conc: 22.61 ug/ml



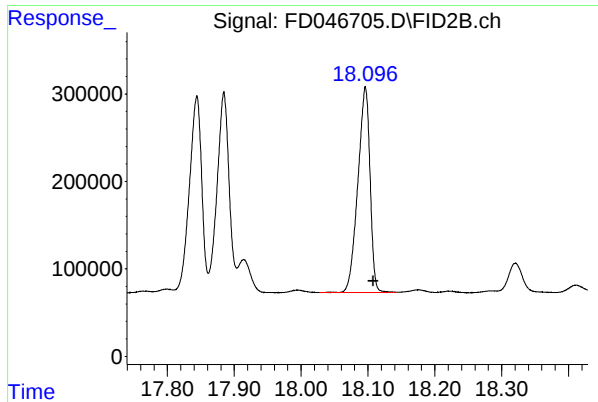
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.844 min
Delta R.T.: -0.009 min
Response: 2861683
Conc: 22.83 ug/ml m



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

R.T.: 17.884 min
Delta R.T.: -0.010 min
Response: 3282146
Conc: 24.66 ug/ml m



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

R.T.: 18.096 min
Delta R.T.: -0.012 min
Response: 2981051
Conc: 22.61 ug/ml

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