

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD102224AR\
 Data File : FD048547.D
 Signal(s) : FID2B.ch
 Acq On : 22 Oct 2024 12:09
 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 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 05:08:39 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 2024
 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...	7.373	3411038	20.602 ug/ml
Spiked Amount 50.000		Recovery =	41.20%
6) S 2-Fluorobiphenyl (SURR)	8.223	2215061	21.359 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.72%
11) S ortho-Terphenyl (SURR)	11.258	3793765	20.619 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.196	3910031	22.310 ug/ml
2) T Naphthalene (C11.7)	5.714	4032988	21.600 ug/ml
3) T 2-Methylnaphthalene (...)	6.760	4003544	21.184 ug/ml
5) T Acenaphthylene (C15.06)	8.026	3896360	20.310 ug/ml
7) T Acenaphthene (C15.5)	8.320	3957551	20.922 ug/ml
8) T Fluorene (C16.55)	9.098	3773985	20.888 ug/ml
9) T Phenanthrene (C19.36)	10.485	3668698	20.700 ug/ml
10) T Anthracene (C19.43)	10.560	3226280	18.131 ug/ml
12) T Fluoranthene (C21.85)	12.288	3651993	20.191 ug/ml
13) T Pyrene (C20.8)	12.581	3613332	20.179 ug/ml
14) T Benzo[a]anthracene (C...	14.450	3292658	20.603 ug/ml
15) T Chrysene (C27.41)	14.491	3625013	19.434 ug/ml
16) T benzo[b]fluoranthene ...	15.996	3456324	20.754 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.028	3339092	19.671 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.372	3388070	20.729 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.735	2964224	22.535 ug/mlm
20) T Dibenz[a,h]anthracene...	17.775	3595036	21.484 ug/ml
21) T Benzo[g,h,i]perylene ...	17.986	3439110	21.174 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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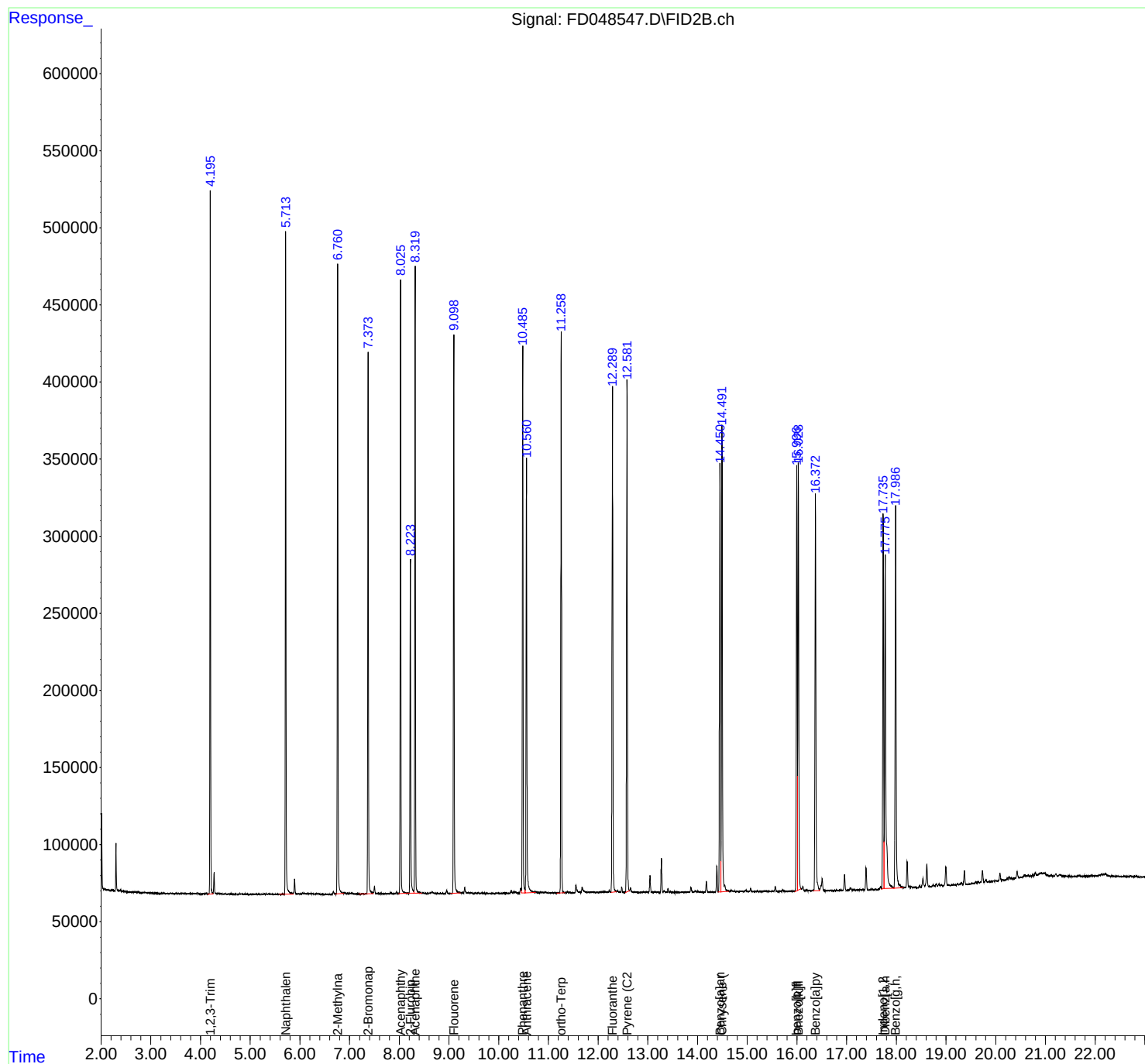
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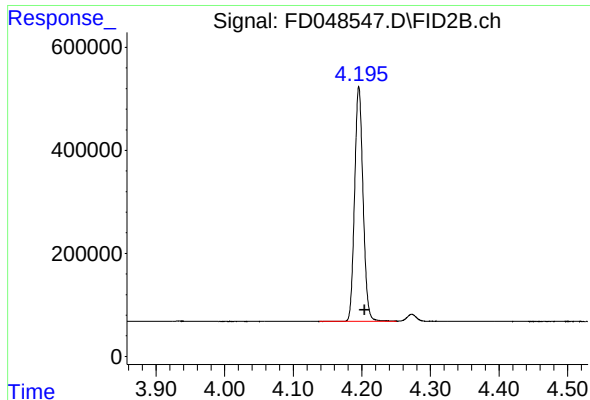
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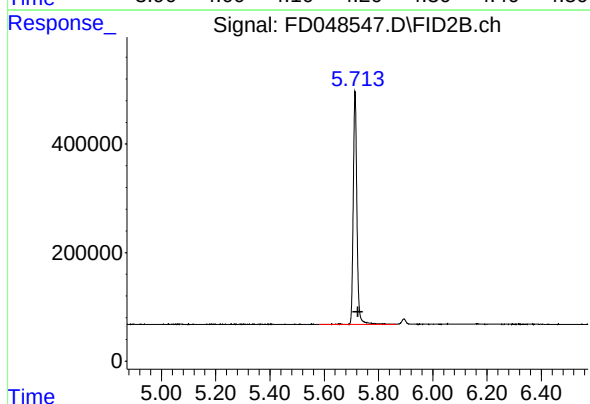
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.196 min
Delta R.T.: -0.008 min
Response: 3910031
Conc: 22.31 ug/ml

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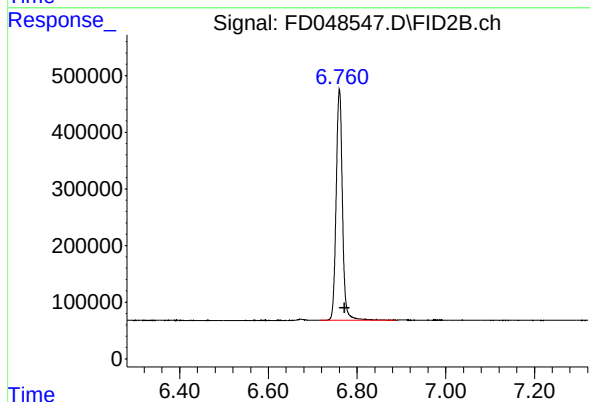
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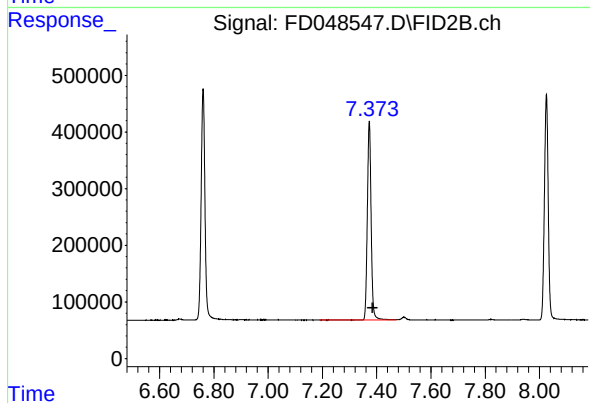
#2 Naphthalene (C11.7)

R.T.: 5.714 min
Delta R.T.: -0.011 min
Response: 4032988
Conc: 21.60 ug/ml



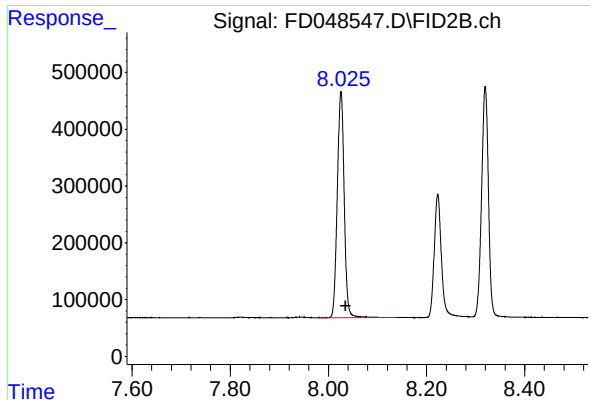
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.760 min
Delta R.T.: -0.012 min
Response: 4003544
Conc: 21.18 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.373 min
Delta R.T.: -0.012 min
Response: 3411038
Conc: 20.60 ug/ml



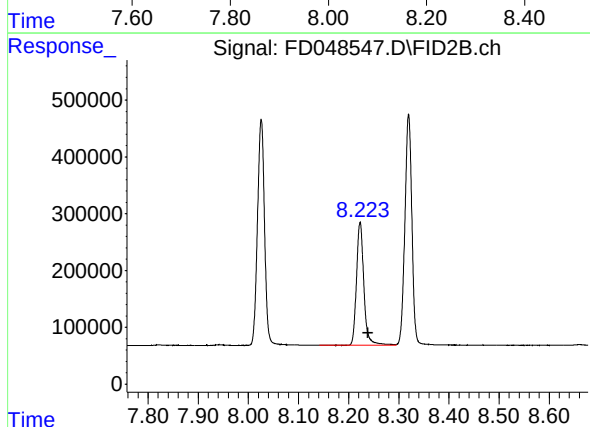
#5 Acenaphthylene (C15.06)

R.T.: 8.026 min
Delta R.T.: -0.010 min
Response: 3896360
Conc: 20.31 ug/ml

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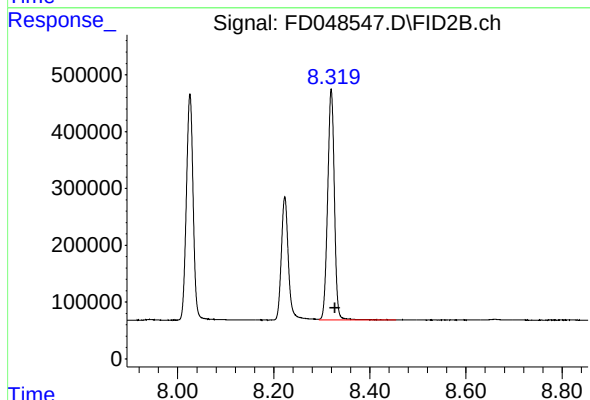
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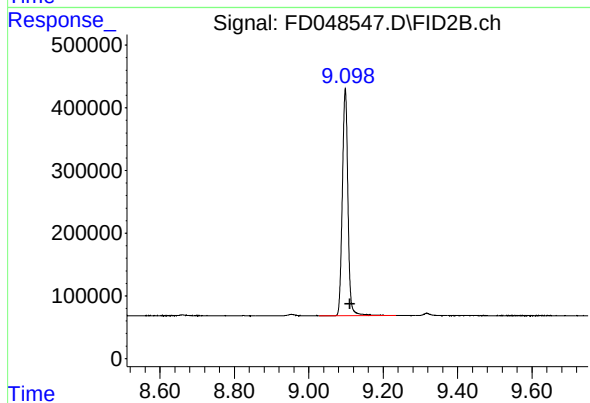
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.223 min
Delta R.T.: -0.016 min
Response: 2215061
Conc: 21.36 ug/ml



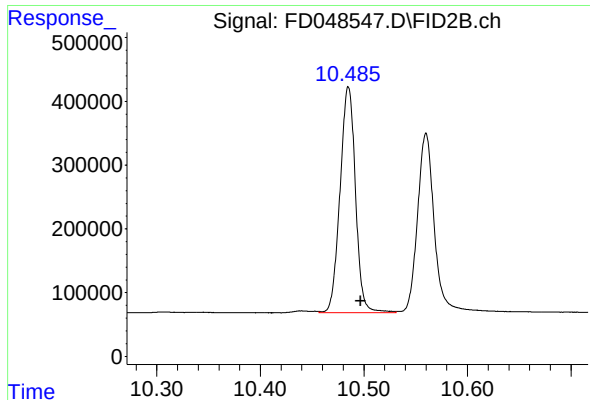
#7 Acenaphthene (C15.5)

R.T.: 8.320 min
Delta R.T.: -0.008 min
Response: 3957551
Conc: 20.92 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.098 min
Delta R.T.: -0.013 min
Response: 3773985
Conc: 20.89 ug/ml



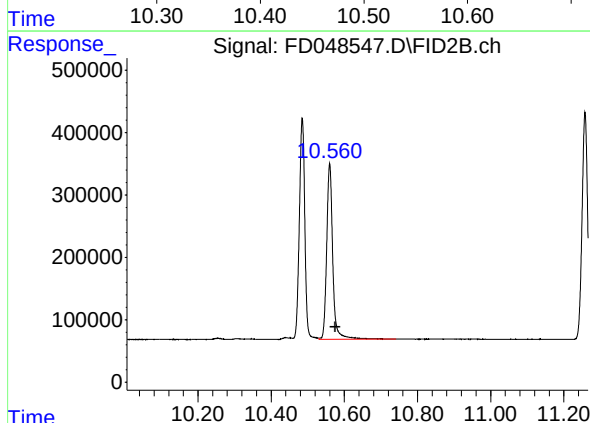
#9 Phenanthrene (C19.36)

R.T.: 10.485 min
Delta R.T.: -0.012 min
Response: 3668698
Conc: 20.70 ug/ml

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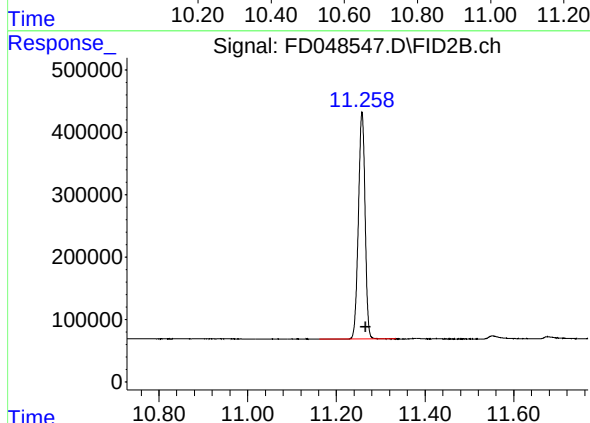
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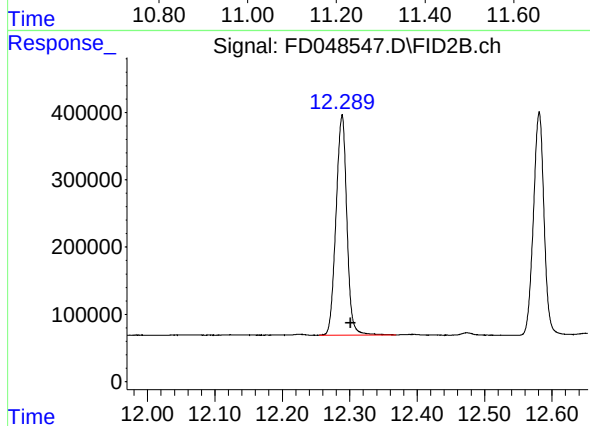
#10 Anthracene (C19.43)

R.T.: 10.560 min
Delta R.T.: -0.015 min
Response: 3226280
Conc: 18.13 ug/ml



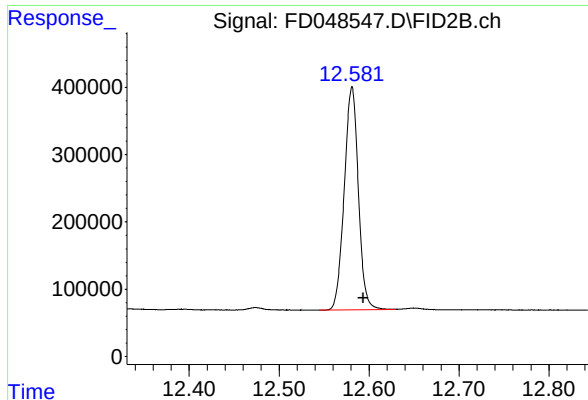
#11 ortho-Terphenyl (SURR)

R.T.: 11.258 min
Delta R.T.: -0.008 min
Response: 3793765
Conc: 20.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.288 min
Delta R.T.: -0.013 min
Response: 3651993
Conc: 20.19 ug/ml



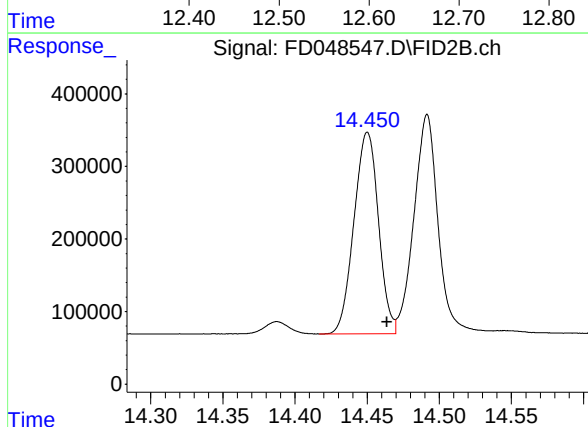
#13 Pyrene (C20.8)

R.T.: 12.581 min
Delta R.T.: -0.013 min
Response: 3613332
Conc: 20.18 ug/ml

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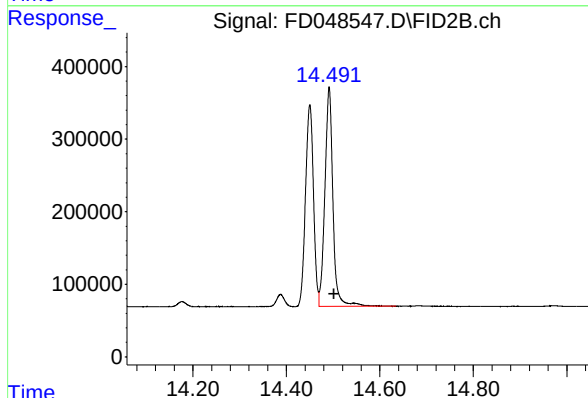
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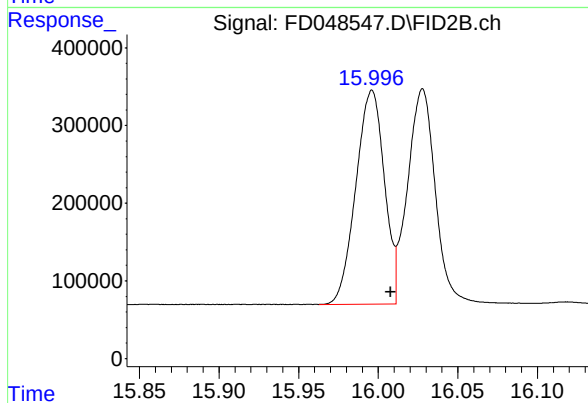
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.450 min
Delta R.T.: -0.014 min
Response: 3292658
Conc: 20.60 ug/ml



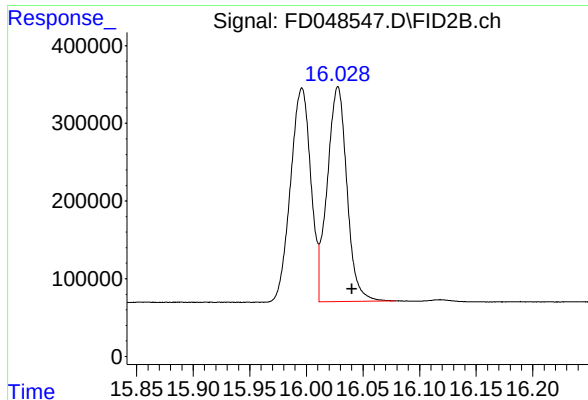
#15 Chrysene (C27.41)

R.T.: 14.491 min
Delta R.T.: -0.011 min
Response: 3625013
Conc: 19.43 ug/ml



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

R.T.: 15.996 min
Delta R.T.: -0.012 min
Response: 3456324
Conc: 20.75 ug/ml m



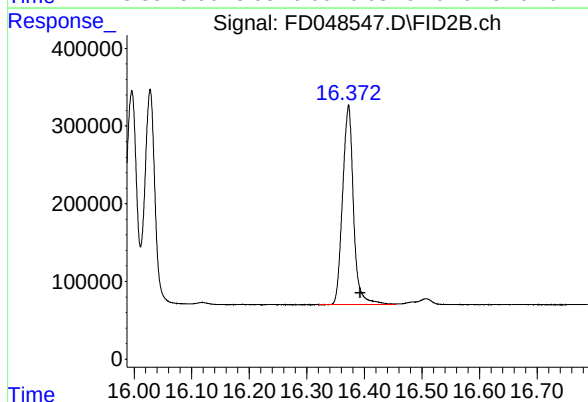
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.028 min
Delta R.T.: -0.013 min
Response: 3339092
Conc: 19.67 ug/ml

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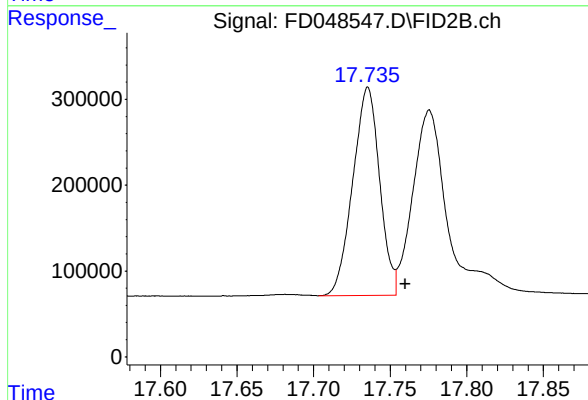
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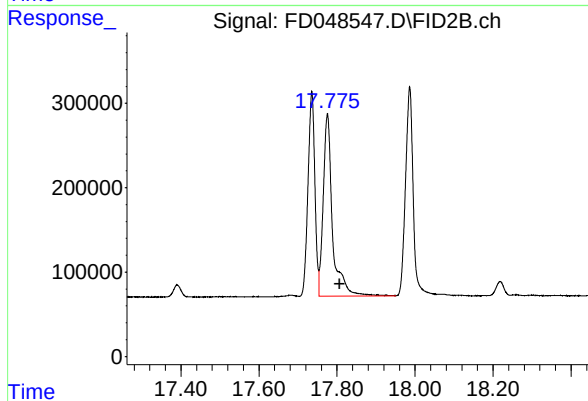
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.372 min
Delta R.T.: -0.021 min
Response: 3388070
Conc: 20.73 ug/ml



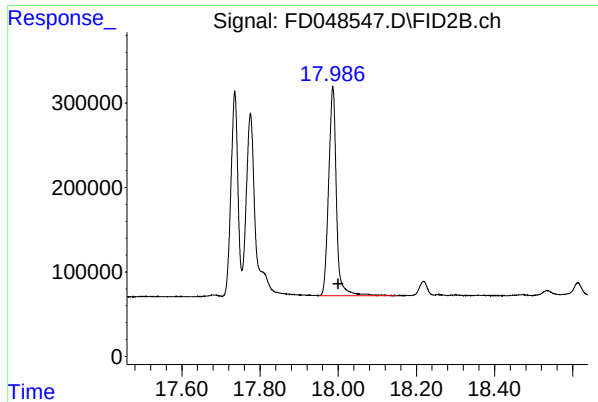
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.735 min
Delta R.T.: -0.025 min
Response: 2964224
Conc: 22.53 ug/ml m



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

R.T.: 17.775 min
Delta R.T.: -0.031 min
Response: 3595036
Conc: 21.48 ug/ml



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

R.T.: 17.986 min
Delta R.T.: -0.014 min
Response: 3439110
Conc: 21.17 ug/ml

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