

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083123AR\
 Data File : FD046413.D
 Signal(s) : FID2B.ch
 Acq On : 31 Aug 2023 22:10
 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 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Integration File: autoint1.e
 Quant Time: Sep 01 02:04:05 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...	7.495	3600209	21.317 ug/ml
Spiked Amount 50.000		Recovery =	42.63%
6) S 2-Fluorobiphenyl (SURR)	8.349	2383145	21.414 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.83%
11) S ortho-Terphenyl (SURR)	11.386	4190679	21.367 ug/ml
Spiked Amount 50.000		Recovery =	42.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.309	3734894	21.255 ug/ml
2) T Naphthalene (C11.7)	5.836	3925328	21.298 ug/ml
3) T 2-Methylnaphthalene (...)	6.883	3968378	21.373 ug/ml
5) T Acenaphthylene (C15.06)	8.152	3589214	21.091 ug/ml
7) T Acenaphthene (C15.5)	8.448	3835540	21.290 ug/ml
8) T Fluorene (C16.55)	9.226	3732367	21.341 ug/ml
9) T Phenanthrene (C19.36)	10.615	3636457	21.194 ug/ml
10) T Anthracene (C19.43)	10.689	3218563	19.079 ug/ml
12) T Fluoranthene (C21.85)	12.417	3571076	21.465 ug/ml
13) T Pyrene (C20.8)	12.712	3417321	21.203 ug/ml
14) T Benzo[a]anthracene (C...	14.575	2931486	20.837 ug/ml
15) T Chrysene (C27.41)	14.617	3112616	20.984 ug/ml
16) T benzo[b]fluoranthene ...	16.116	2884379	21.227 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.149	2912780	21.471 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.491	2733349	20.745 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.848	2617566	20.985 ug/mlm
20) T Dibenz[a,h]anthracene...	17.890	2847141	22.721 ug/ml
21) T Benzo[g,h,i]perylene ...	18.100	2701433	21.065 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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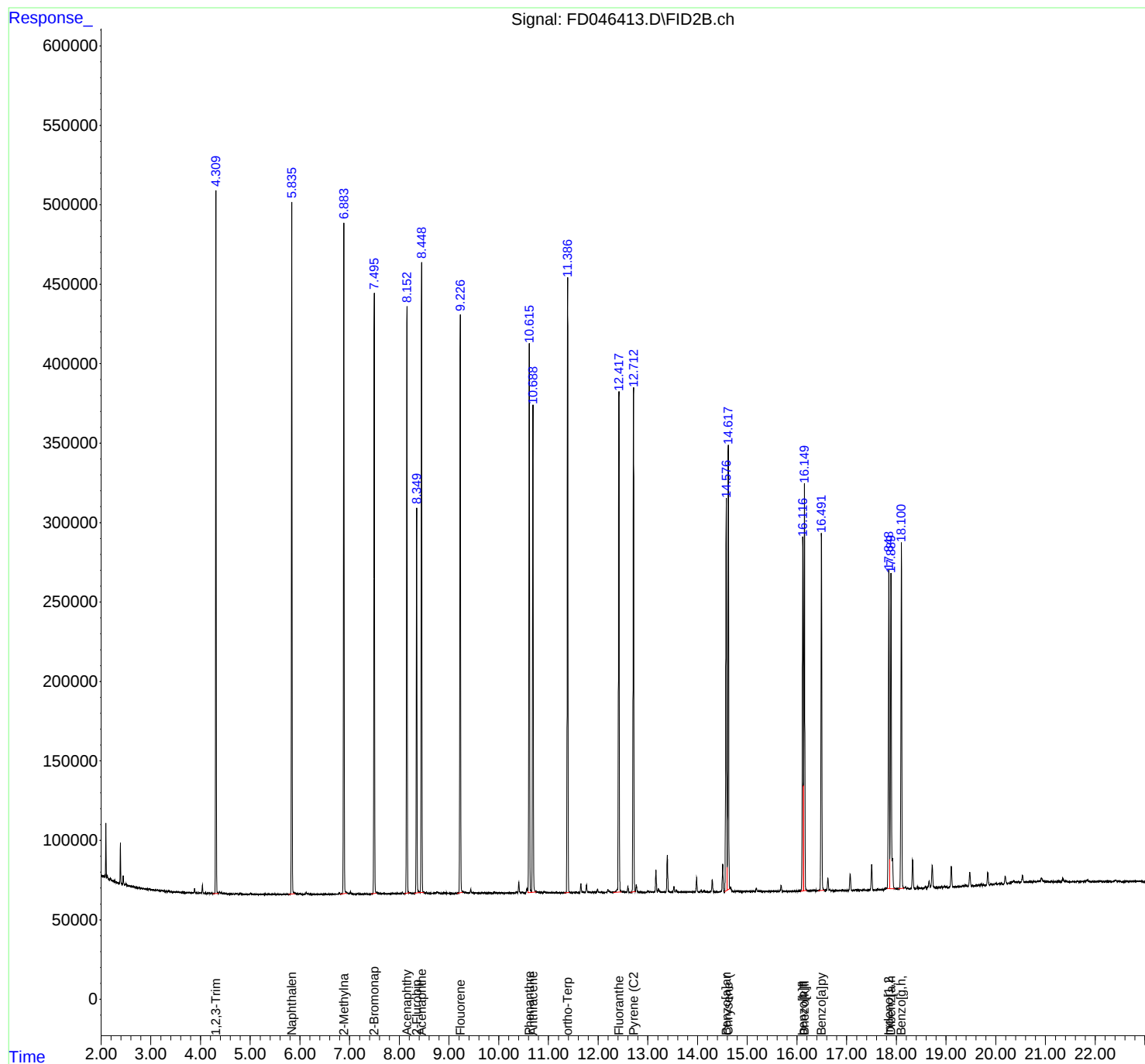
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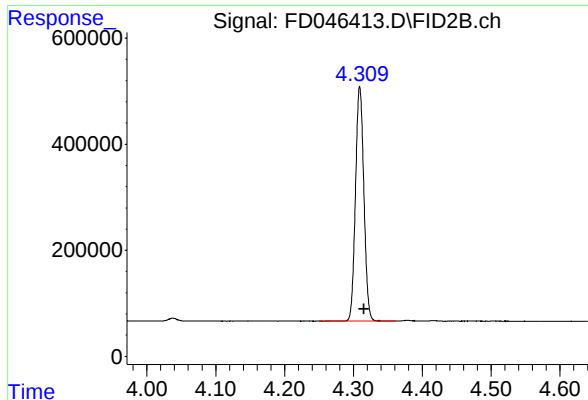
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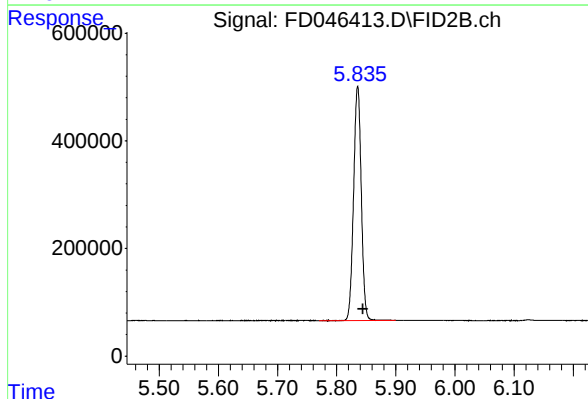
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.309 min
Delta R.T.: -0.006 min
Response: 3734894
Conc: 21.25 ug/ml

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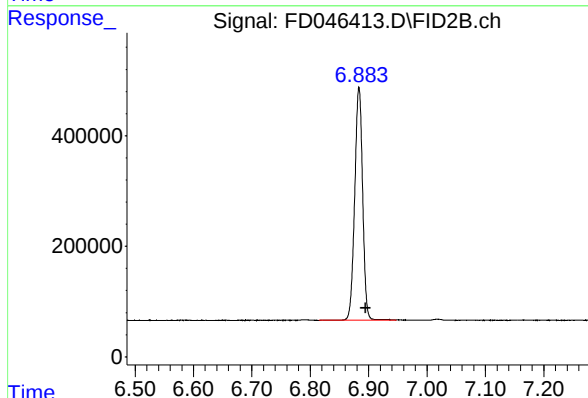
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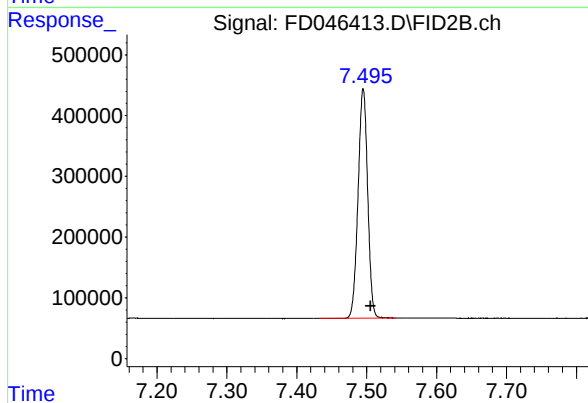
#2 Naphthalene (C11.7)

R.T.: 5.836 min
Delta R.T.: -0.009 min
Response: 3925328
Conc: 21.30 ug/ml



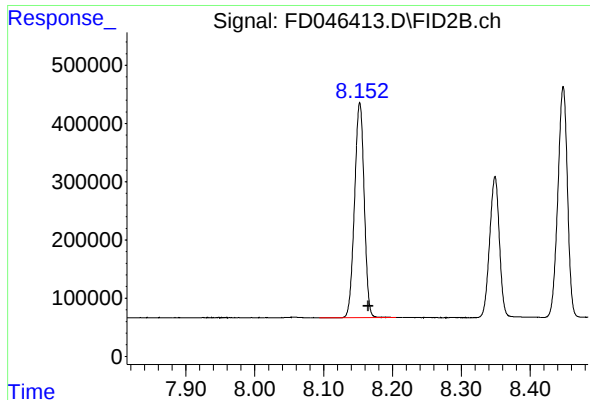
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.883 min
Delta R.T.: -0.012 min
Response: 3968378
Conc: 21.37 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.495 min
Delta R.T.: -0.010 min
Response: 3600209
Conc: 21.32 ug/ml



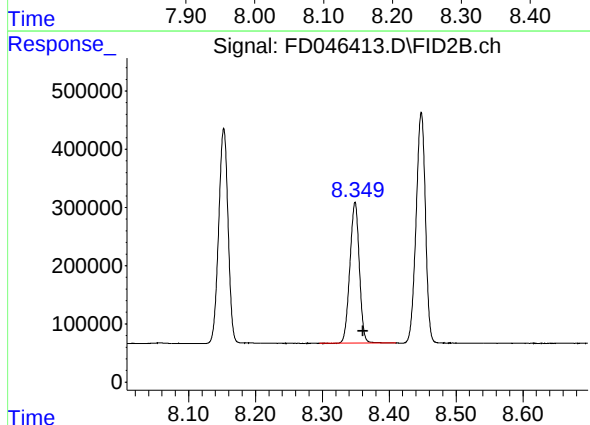
#5 Acenaphthylene (C15.06)

R.T.: 8.152 min
Delta R.T.: -0.012 min
Response: 3589214
Conc: 21.09 ug/ml

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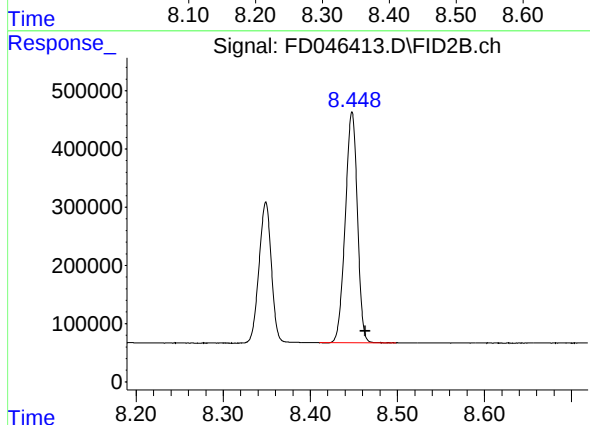
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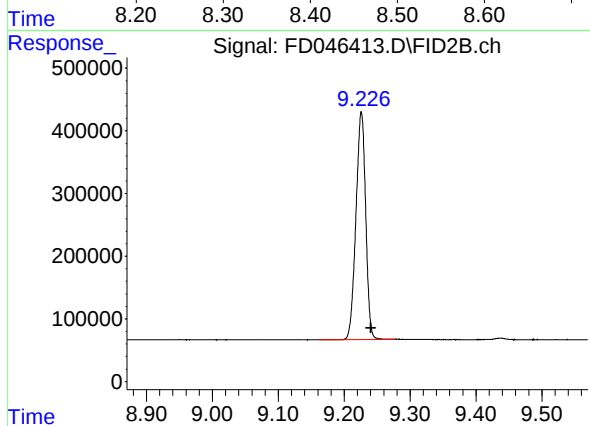
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.349 min
Delta R.T.: -0.012 min
Response: 2383145
Conc: 21.41 ug/ml



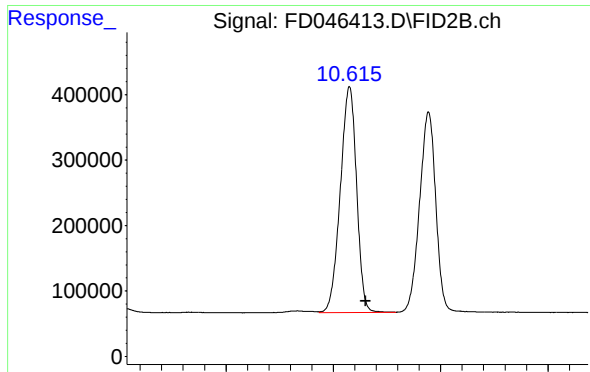
#7 Acenaphthene (C15.5)

R.T.: 8.448 min
Delta R.T.: -0.015 min
Response: 3835540
Conc: 21.29 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.226 min
Delta R.T.: -0.015 min
Response: 3732367
Conc: 21.34 ug/ml



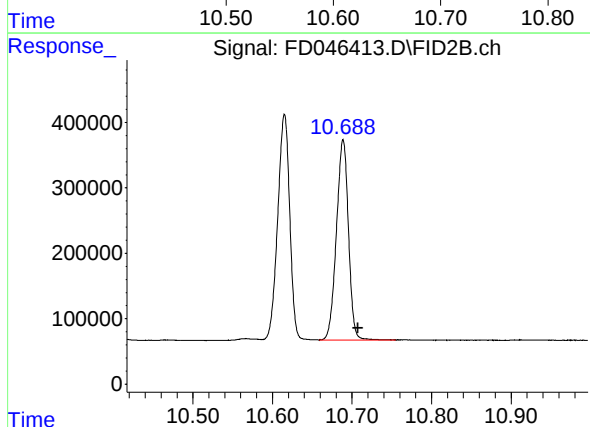
#9 Phenanthrene (C19.36)

R.T.: 10.615 min
Delta R.T.: -0.015 min
Response: 3636457
Conc: 21.19 ug/ml

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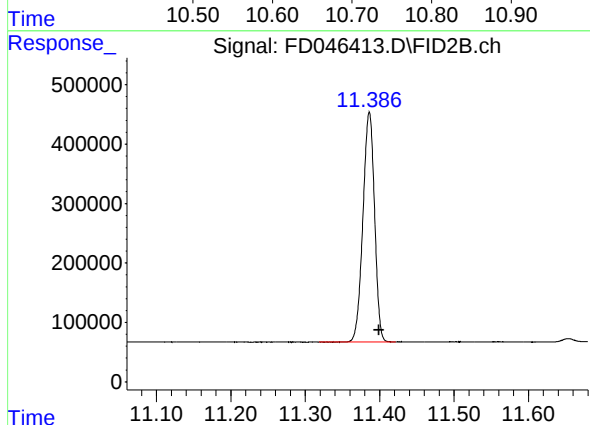
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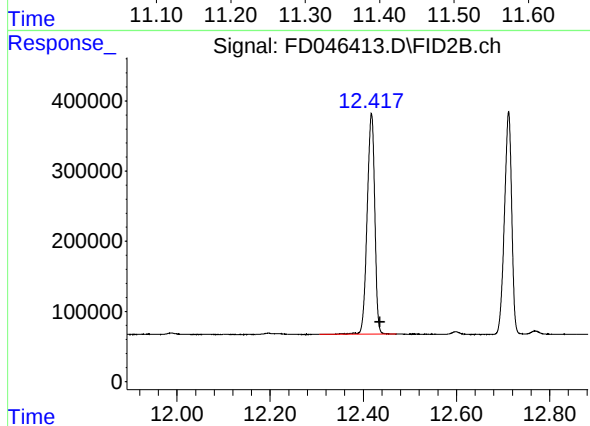
#10 Anthracene (C19.43)

R.T.: 10.689 min
Delta R.T.: -0.019 min
Response: 3218563
Conc: 19.08 ug/ml



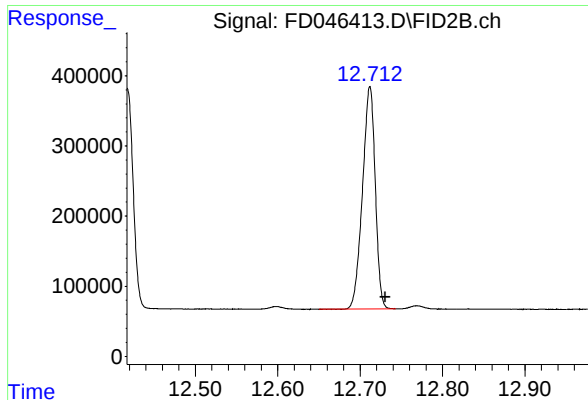
#11 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: -0.013 min
Response: 4190679
Conc: 21.37 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.417 min
Delta R.T.: -0.018 min
Response: 3571076
Conc: 21.46 ug/ml



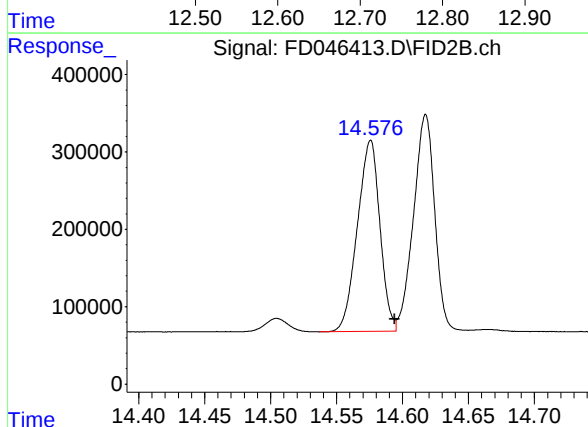
#13 Pyrene (C20.8)

R.T.: 12.712 min
Delta R.T.: -0.019 min
Response: 3417321
Conc: 21.20 ug/ml

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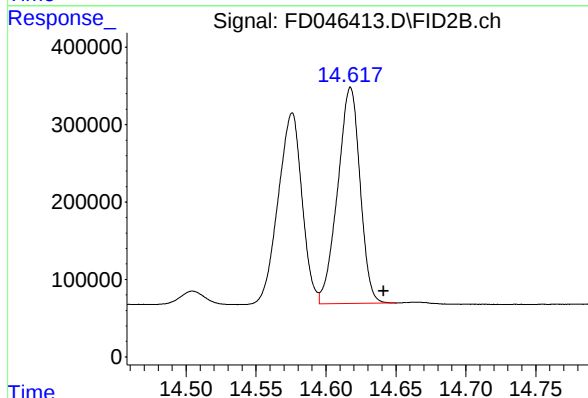
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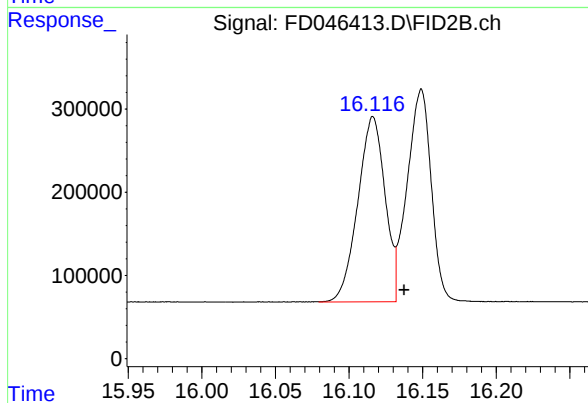
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.575 min
Delta R.T.: -0.018 min
Response: 2931486
Conc: 20.84 ug/ml



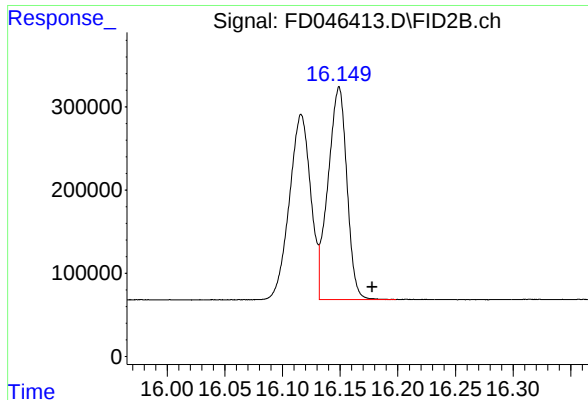
#15 Chrysene (C27.41)

R.T.: 14.617 min
Delta R.T.: -0.024 min
Response: 3112616
Conc: 20.98 ug/ml



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

R.T.: 16.116 min
Delta R.T.: -0.022 min
Response: 2884379
Conc: 21.23 ug/ml m



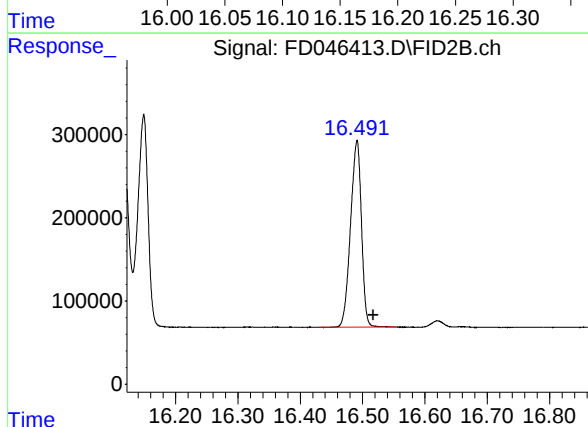
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.149 min
Delta R.T.: -0.029 min
Response: 2912780
Conc: 21.47 ug/ml

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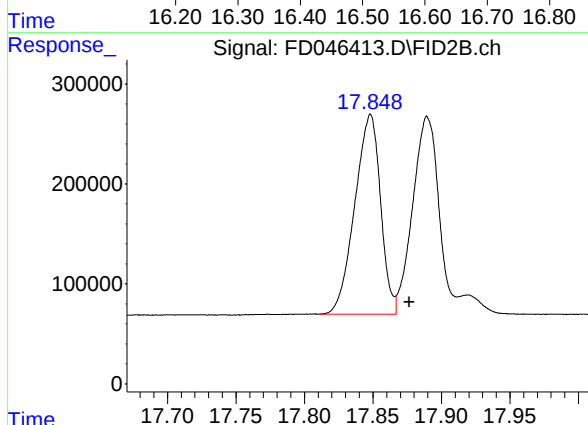
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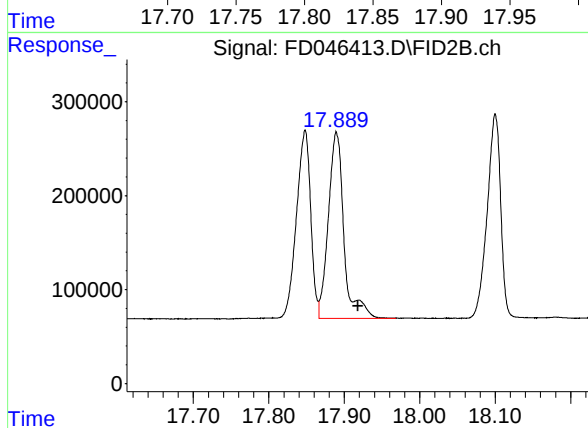
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.491 min
Delta R.T.: -0.026 min
Response: 2733349
Conc: 20.74 ug/ml



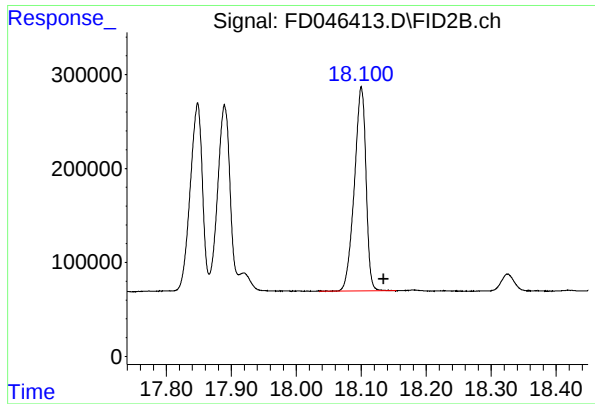
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.848 min
Delta R.T.: -0.029 min
Response: 2617566
Conc: 20.99 ug/ml m



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

R.T.: 17.890 min
Delta R.T.: -0.029 min
Response: 2847141
Conc: 22.72 ug/ml



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

R.T.: 18.100 min
Delta R.T.: -0.034 min
Response: 2701433
Conc: 21.07 ug/ml

Instrument :

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