

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091323AR\
 Data File : FD046475.D
 Signal(s) : FID2B.ch
 Acq On : 13 Sep 2023 22:47
 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 09/14/2023
 Supervised By :Ankita Jodhani 09/14/2023

Integration File: autoint1.e
 Quant Time: Sep 14 02:59:46 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...	7.491	3616470	21.414 ug/ml
Spiked Amount 50.000		Recovery =	42.83%
6) S 2-Fluorobiphenyl (SURR)	8.345	2381673	21.401 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.80%
11) S ortho-Terphenyl (SURR)	11.382	4271837	21.781 ug/ml
Spiked Amount 50.000		Recovery =	43.56%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.304	3717168	21.154 ug/ml
2) T Naphthalene (C11.7)	5.831	3922006	21.280 ug/ml
3) T 2-Methylnaphthalene (...)	6.879	3979768	21.434 ug/ml
5) T Acenaphthylene (C15.06)	8.149	3532923	20.760 ug/ml
7) T Acenaphthene (C15.5)	8.444	3856022	21.403 ug/ml
8) T Flouorene (C16.55)	9.221	3760429	21.501 ug/ml
9) T Phenanthrene (C19.36)	10.610	3679142	21.443 ug/ml
10) T Anthracene (C19.43)	10.684	2735336	16.215 ug/ml
12) T Fluoranthene (C21.85)	12.413	3592912	21.596 ug/ml
13) T Pyrene (C20.8)	12.707	3457272	21.451 ug/ml
14) T Benzo[a]anthracene (C...	14.571	2906404	20.658 ug/mlm
15) T Chrysene (C27.41)	14.613	3125766	21.072 ug/ml
16) T benzo[b]fluoranthene ...	16.111	2939725	21.635 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.144	2956924	21.796 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2616380	19.857 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.844	2642715	21.187 ug/mlm
20) T Dibenz[a,h]anthracene...	17.885	3024061	24.133 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.096	2750822	21.450 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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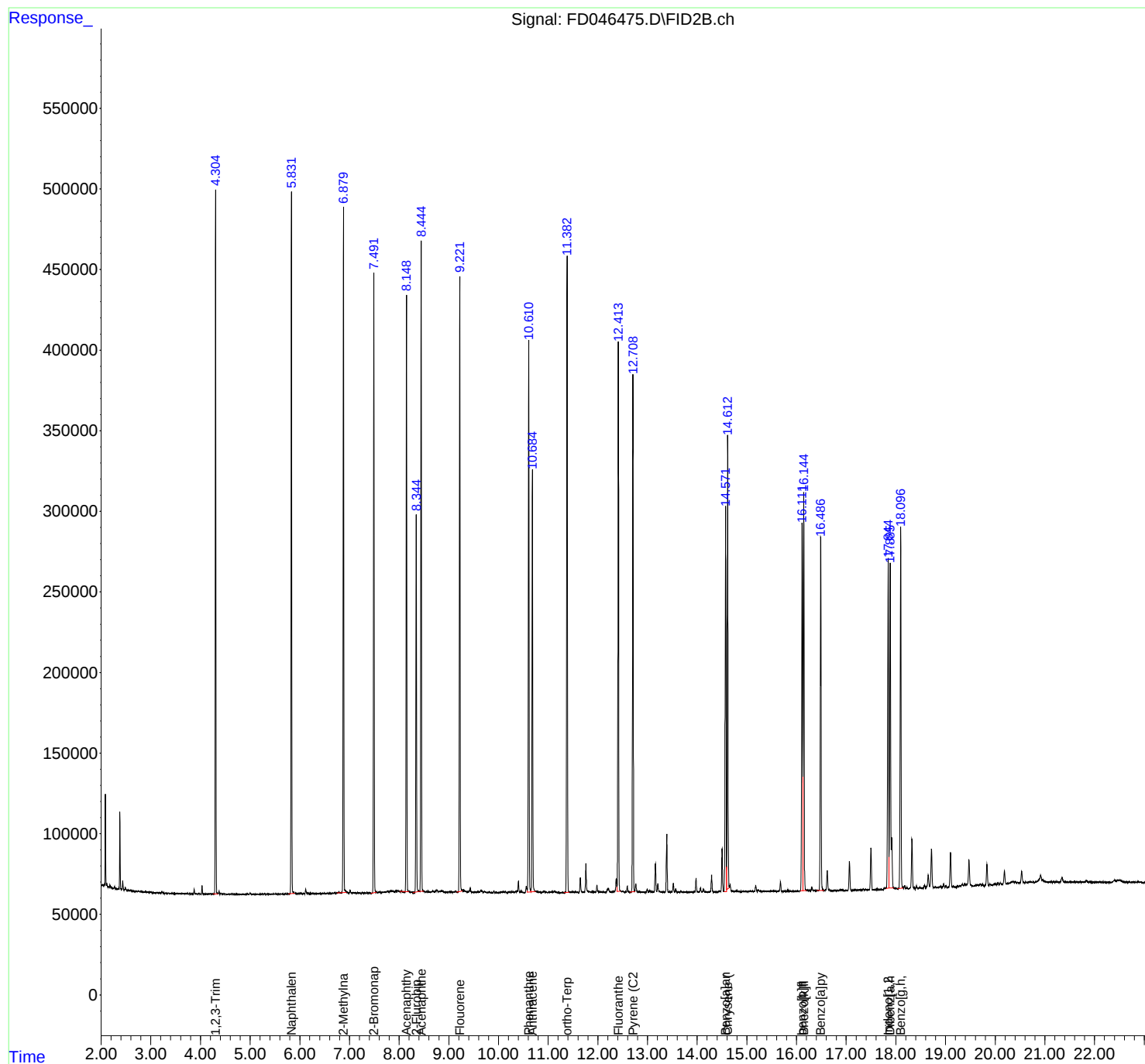
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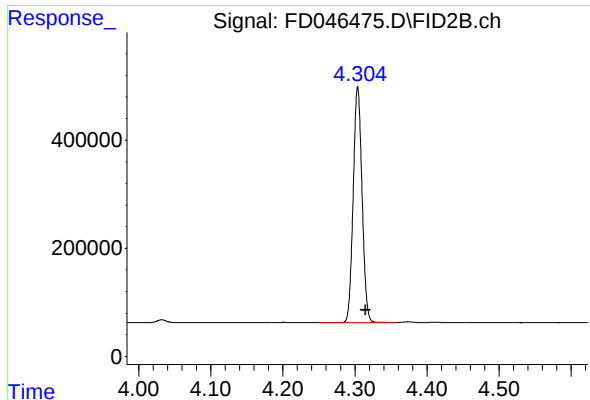
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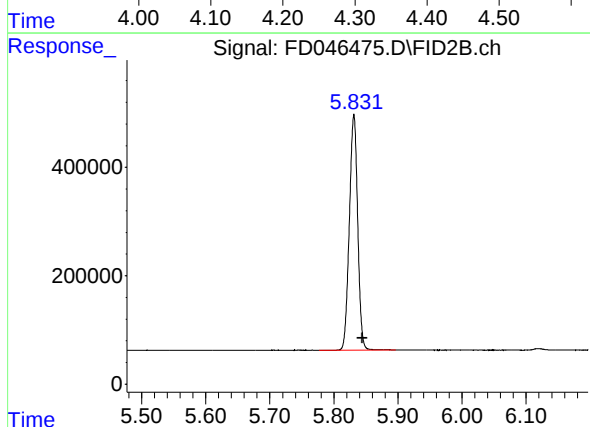
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.304 min
Delta R.T.: -0.011 min
Response: 3717168
Conc: 21.15 ug/ml

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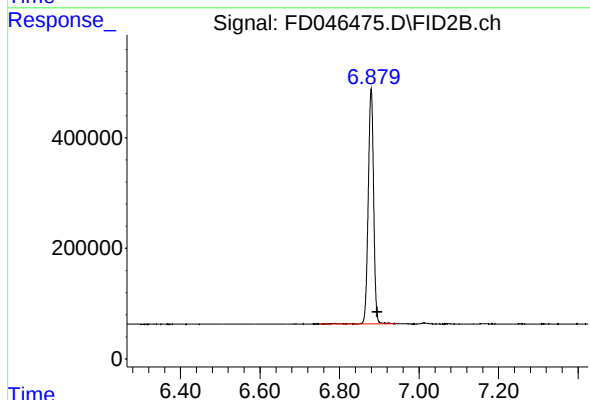
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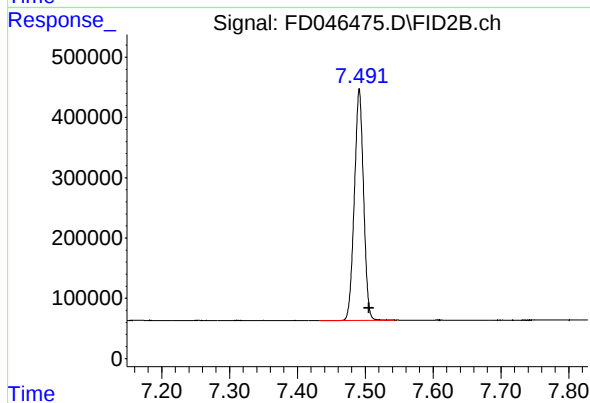
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: -0.013 min
Response: 3922006
Conc: 21.28 ug/ml



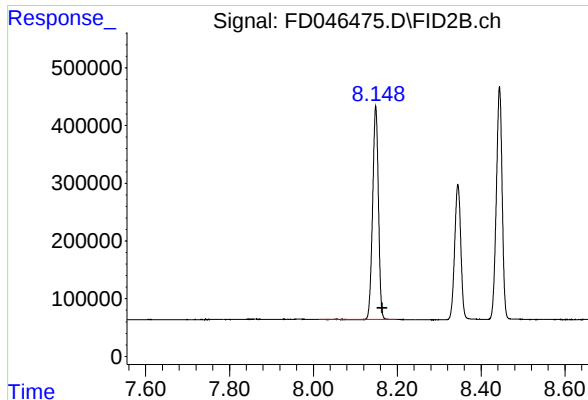
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.879 min
Delta R.T.: -0.016 min
Response: 3979768
Conc: 21.43 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.491 min
Delta R.T.: -0.014 min
Response: 3616470
Conc: 21.41 ug/ml



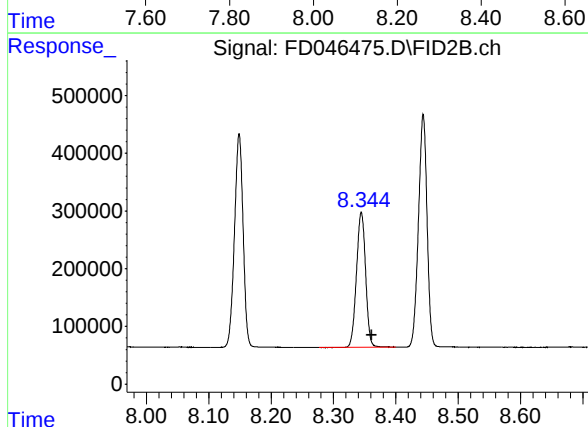
#5 Acenaphthylene (C15.06)

R.T.: 8.149 min
Delta R.T.: -0.016 min
Response: 3532923
Conc: 20.76 ug/ml

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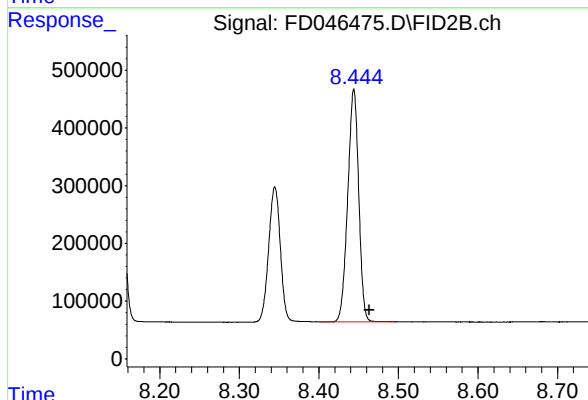
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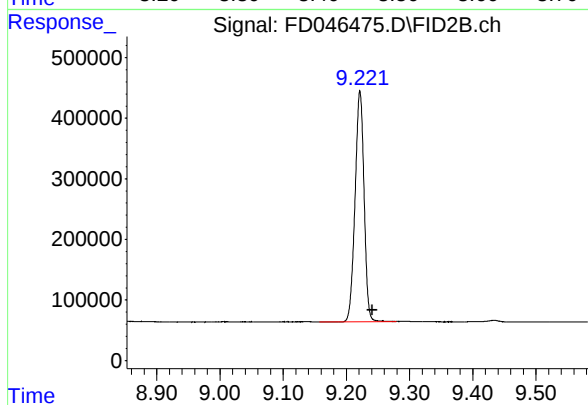
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.345 min
Delta R.T.: -0.016 min
Response: 2381673
Conc: 21.40 ug/ml



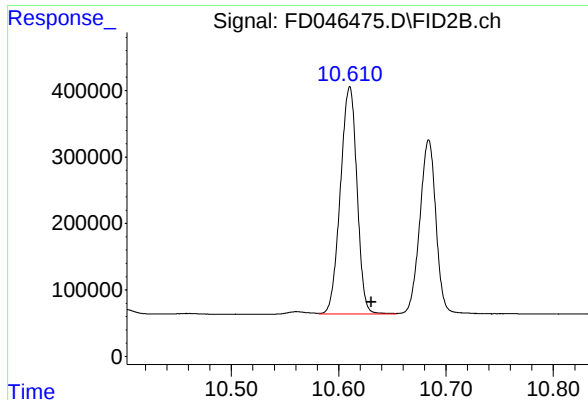
#7 Acenaphthene (C15.5)

R.T.: 8.444 min
Delta R.T.: -0.020 min
Response: 3856022
Conc: 21.40 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.221 min
Delta R.T.: -0.019 min
Response: 3760429
Conc: 21.50 ug/ml



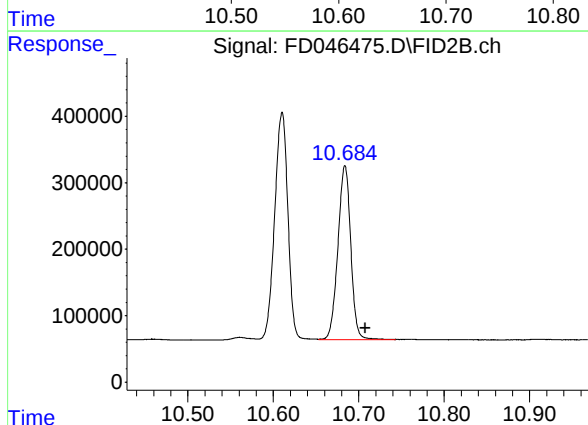
#9 Phenanthrene (C19.36)

R.T.: 10.610 min
Delta R.T.: -0.020 min
Response: 3679142
Conc: 21.44 ug/ml

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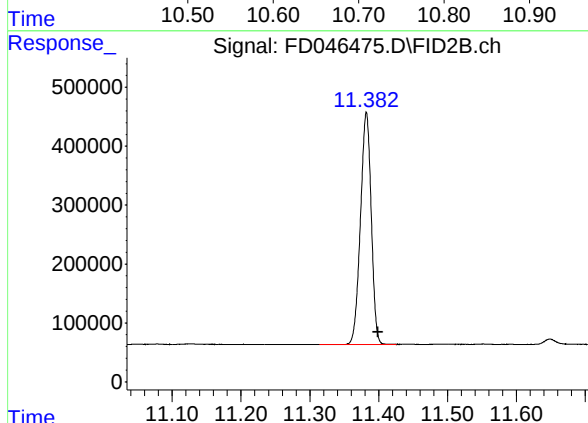
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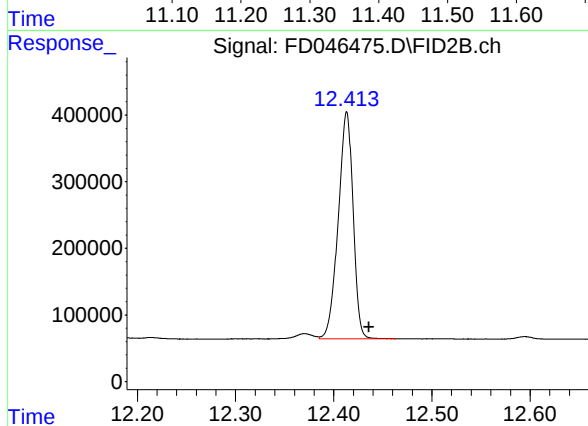
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.024 min
Response: 2735336
Conc: 16.21 ug/ml



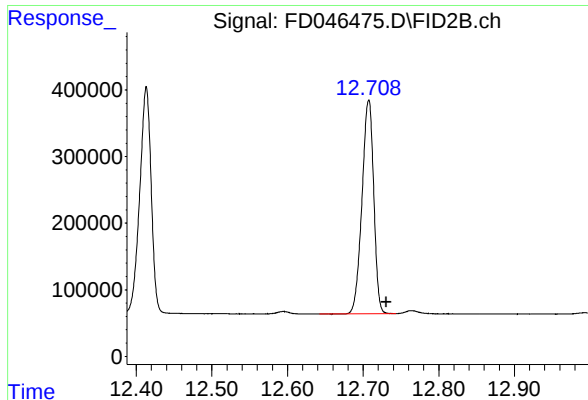
#11 ortho-Terphenyl (SURR)

R.T.: 11.382 min
Delta R.T.: -0.017 min
Response: 4271837
Conc: 21.78 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.413 min
Delta R.T.: -0.023 min
Response: 3592912
Conc: 21.60 ug/ml



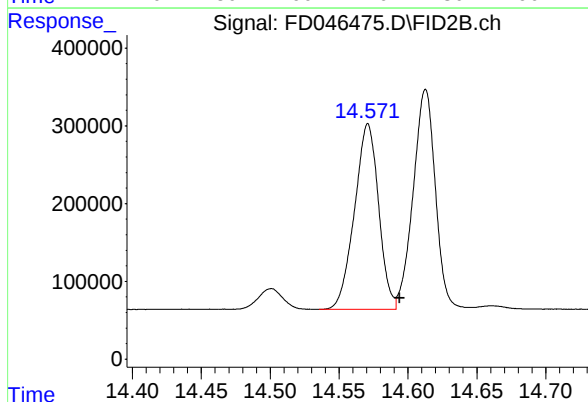
#13 Pyrene (C20.8)

R.T.: 12.707 min
Delta R.T.: -0.023 min
Response: 3457272
Conc: 21.45 ug/ml

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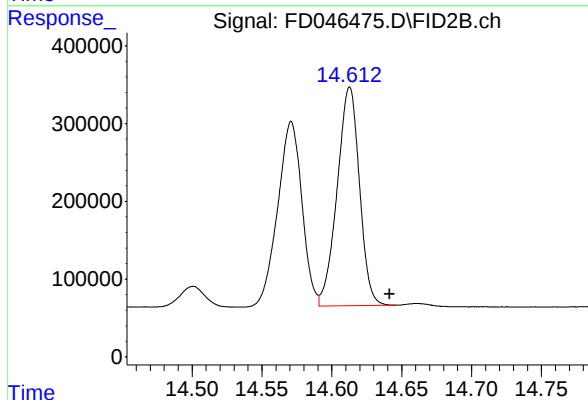
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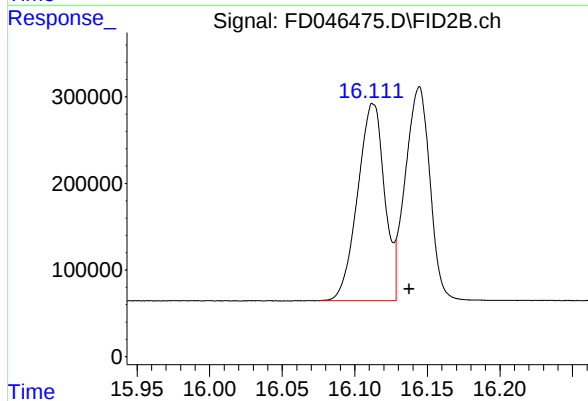
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.571 min
Delta R.T.: -0.023 min
Response: 2906404
Conc: 20.66 ug/ml m



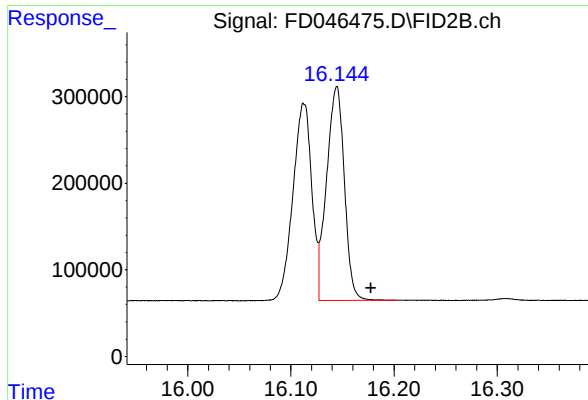
#15 Chrysene (C27.41)

R.T.: 14.613 min
Delta R.T.: -0.029 min
Response: 3125766
Conc: 21.07 ug/ml



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

R.T.: 16.111 min
Delta R.T.: -0.026 min
Response: 2939725
Conc: 21.63 ug/ml m



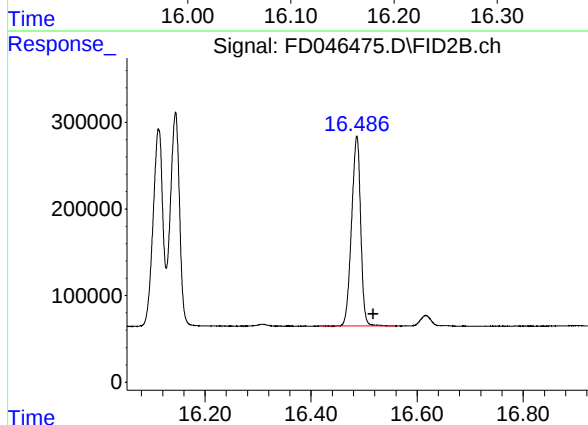
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.034 min
Response: 2956924
Conc: 21.80 ug/ml

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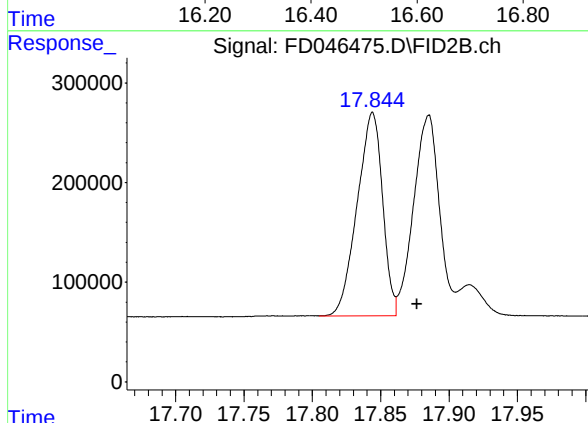
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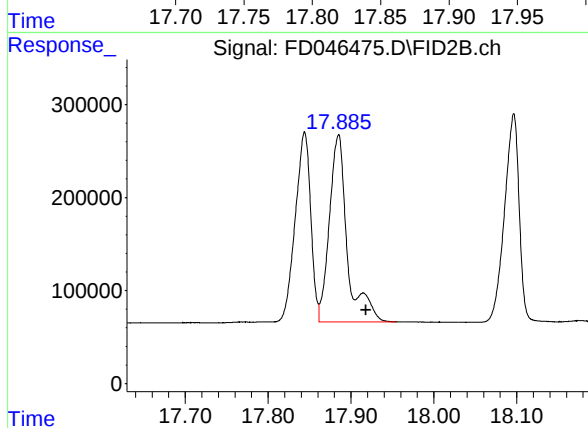
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.031 min
Response: 2616380
Conc: 19.86 ug/ml



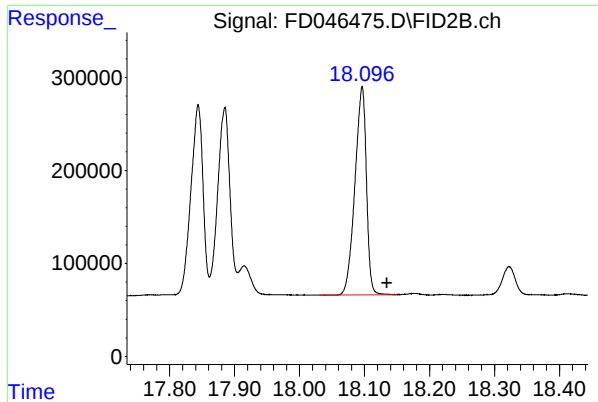
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.844 min
Delta R.T.: -0.033 min
Response: 2642715
Conc: 21.19 ug/ml m



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

R.T.: 17.885 min
Delta R.T.: -0.033 min
Response: 3024061
Conc: 24.13 ug/ml m



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

R.T.: 18.096 min
Delta R.T.: -0.038 min
Response: 2750822
Conc: 21.45 ug/ml

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