

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091423AR\
 Data File : FD046478.D
 Signal(s) : FID2B.ch
 Acq On : 14 Sep 2023 06:58
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 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 09/15/2023

Integration File: autoint1.e
 Quant Time: Sep 14 08:10:25 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	3929956	23.270 ug/ml
Spiked Amount 50.000		Recovery =	46.54%
6) S 2-Fluorobiphenyl (SURR)	8.345	2580913	23.191 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.38%
11) S ortho-Terphenyl (SURR)	11.382	4571303	23.308 ug/ml
Spiked Amount 50.000		Recovery =	46.62%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.307	4091586	23.284 ug/ml
2) T Naphthalene (C11.7)	5.832	4284248	23.245 ug/ml
3) T 2-Methylnaphthalene (...)	6.880	4331139	23.327 ug/ml
5) T Acenaphthylene (C15.06)	8.149	3915660	23.009 ug/ml
7) T Acenaphthene (C15.5)	8.444	4181813	23.212 ug/ml
8) T Flouorene (C16.55)	9.222	4054266	23.181 ug/ml
9) T Phenanthrene (C19.36)	10.611	3944314	22.989 ug/ml
10) T Anthracene (C19.43)	10.685	3414203	20.239 ug/ml
12) T Fluoranthene (C21.85)	12.413	3877113	23.304 ug/ml
13) T Pyrene (C20.8)	12.707	3706947	23.000 ug/ml
14) T Benzo[a]anthracene (C...	14.571	3159721	22.459 ug/mlm
15) T Chrysene (C27.41)	14.613	3333031	22.470 ug/ml
16) T benzo[b]fluoranthene ...	16.111	3085837	22.710 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.144	3134529	23.105 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.486	2967490	22.522 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.844	2777882	22.270 ug/mlm
20) T Dibenz[a,h]anthracene...	17.884	2981497	23.794 ug/ml
21) T Benzo[g,h,i]perylene ...	18.095	2901559	22.626 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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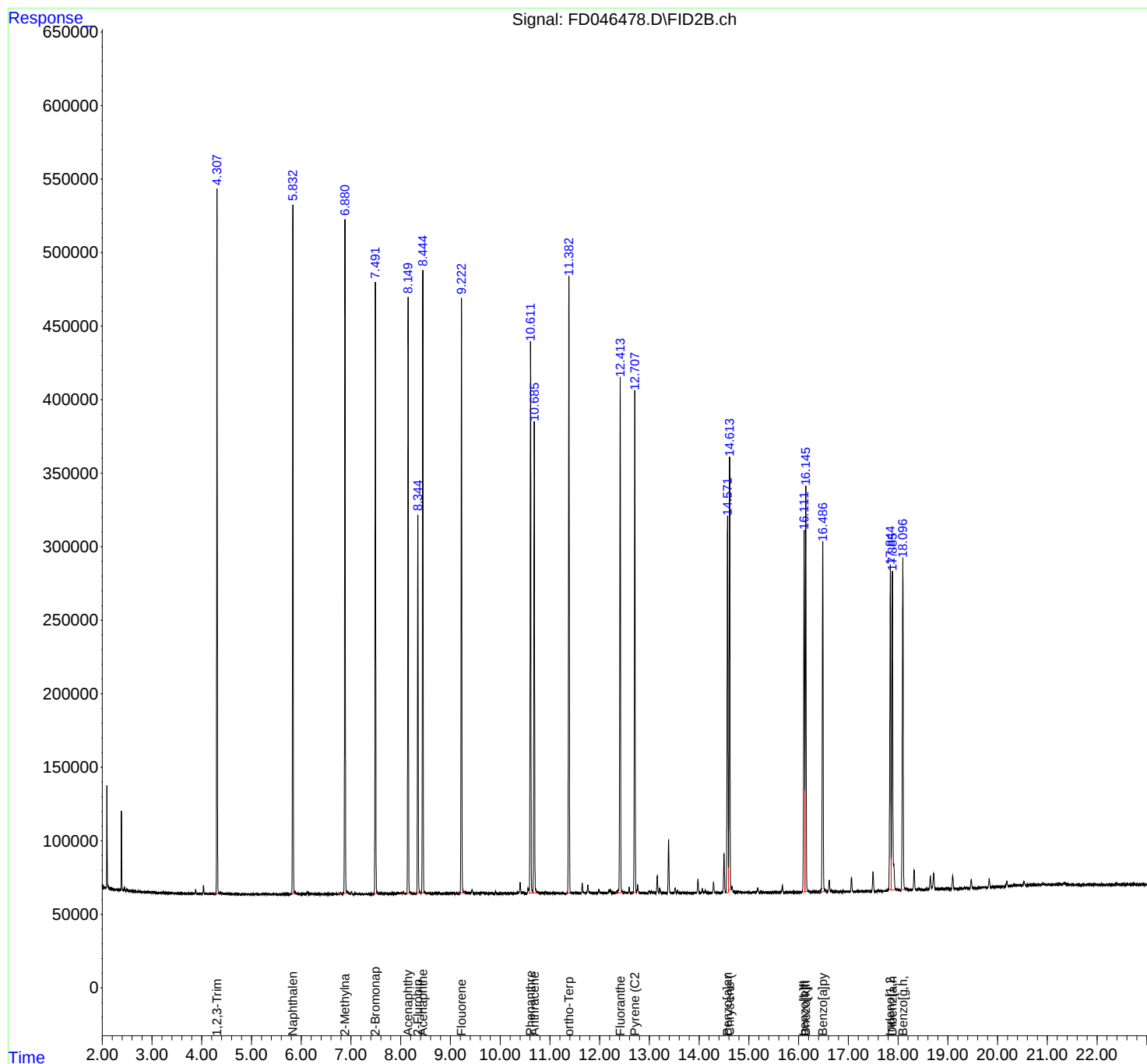
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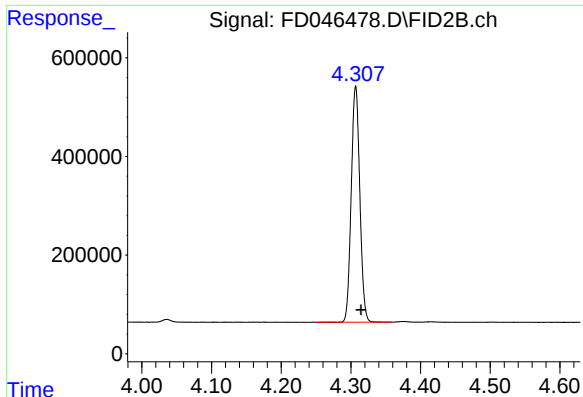
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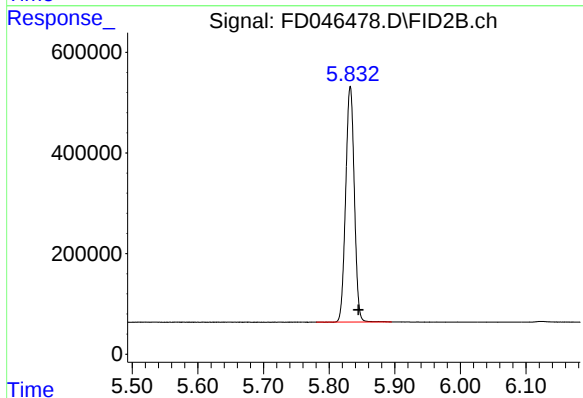
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.307 min
Delta R.T.: -0.008 min
Response: 4091586
Conc: 23.28 ug/ml

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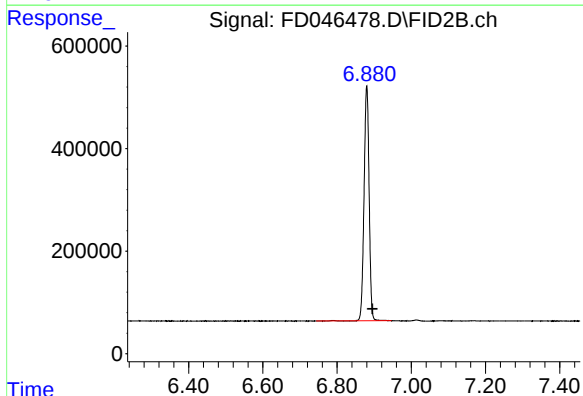
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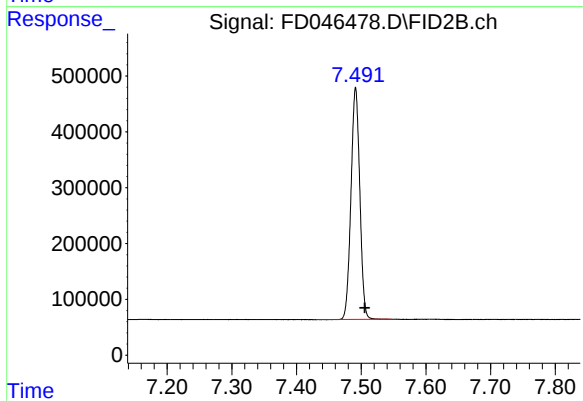
#2 Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: -0.012 min
Response: 4284248
Conc: 23.25 ug/ml



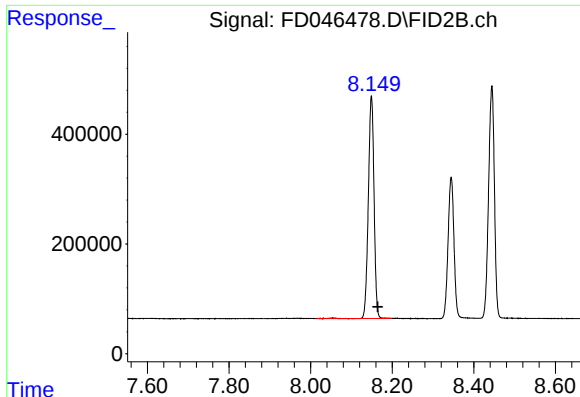
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.880 min
Delta R.T.: -0.015 min
Response: 4331139
Conc: 23.33 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.491 min
Delta R.T.: -0.014 min
Response: 3929956
Conc: 23.27 ug/ml



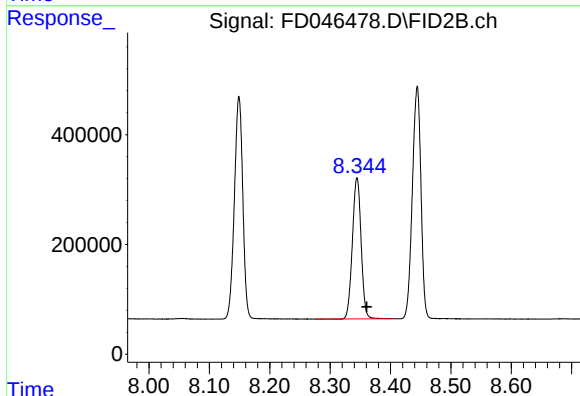
#5 Acenaphthylene (C15.06)

R.T.: 8.149 min
Delta R.T.: -0.016 min
Response: 3915660
Conc: 23.01 ug/ml

Instrument :
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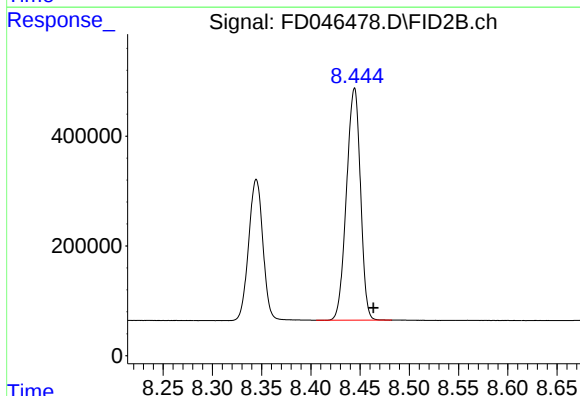
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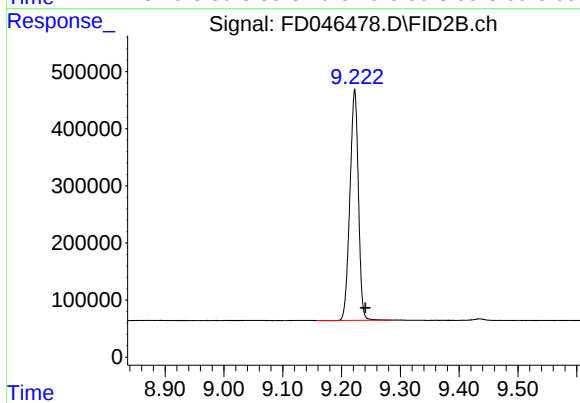
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.345 min
Delta R.T.: -0.016 min
Response: 2580913
Conc: 23.19 ug/ml



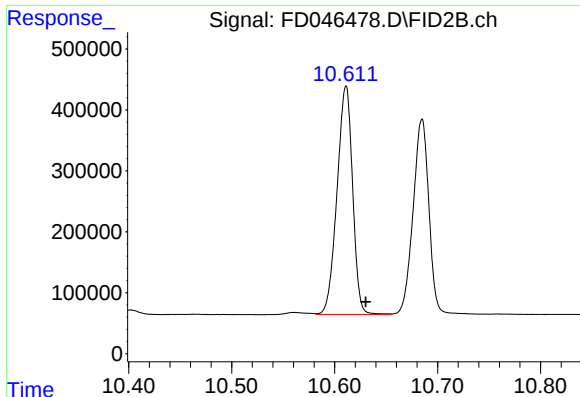
#7 Acenaphthene (C15.5)

R.T.: 8.444 min
Delta R.T.: -0.019 min
Response: 4181813
Conc: 23.21 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.222 min
Delta R.T.: -0.018 min
Response: 4054266
Conc: 23.18 ug/ml



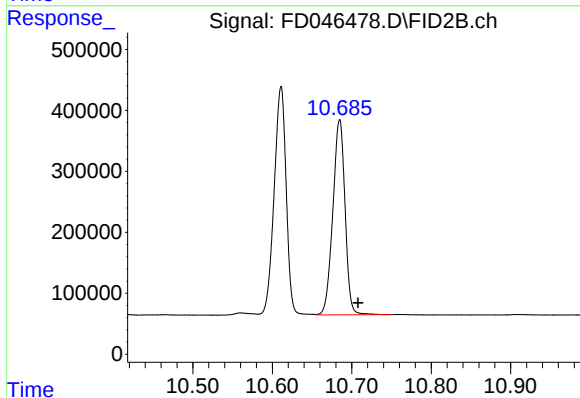
#9 Phenanthrene (C19.36)

R.T.: 10.611 min
Delta R.T.: -0.019 min
Response: 3944314
Conc: 22.99 ug/ml

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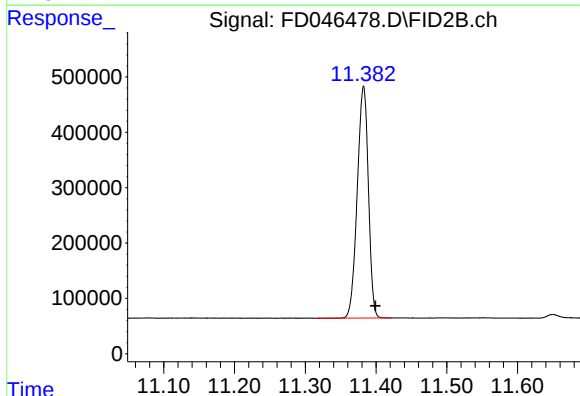
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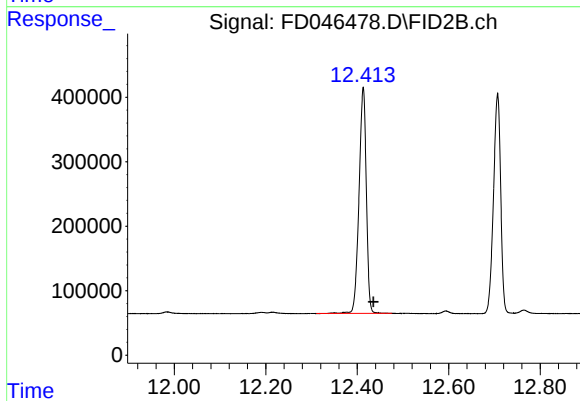
#10 Anthracene (C19.43)

R.T.: 10.685 min
Delta R.T.: -0.023 min
Response: 3414203
Conc: 20.24 ug/ml



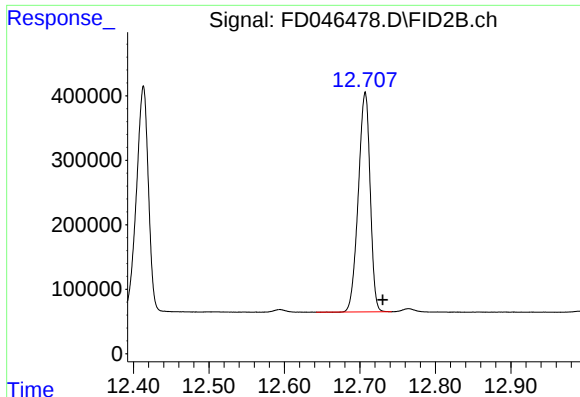
#11 ortho-Terphenyl (SURR)

R.T.: 11.382 min
Delta R.T.: -0.017 min
Response: 4571303
Conc: 23.31 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.413 min
Delta R.T.: -0.023 min
Response: 3877113
Conc: 23.30 ug/ml



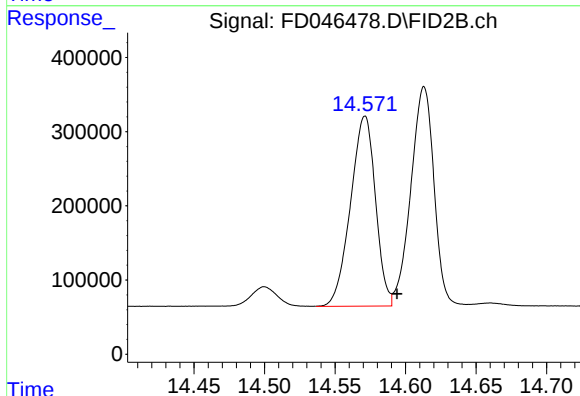
#13 Pyrene (C20.8)

R.T.: 12.707 min
Delta R.T.: -0.024 min
Response: 3706947
Conc: 23.00 ug/ml

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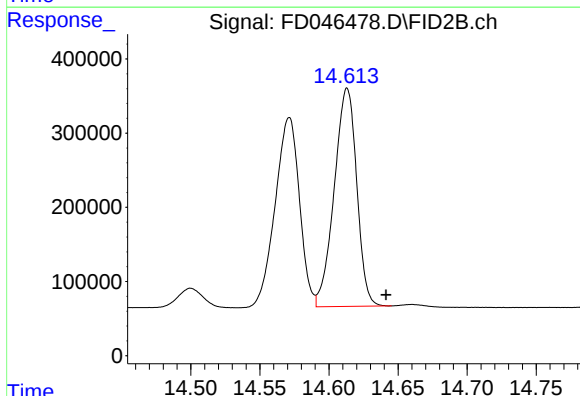
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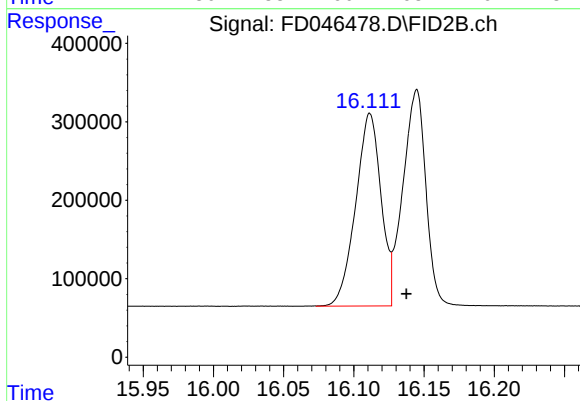
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.571 min
Delta R.T.: -0.023 min
Response: 3159721
Conc: 22.46 ug/ml m



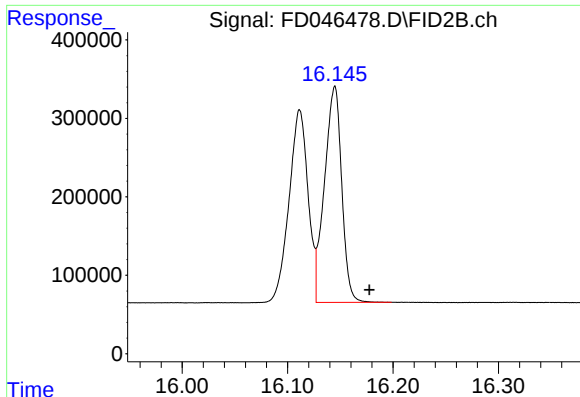
#15 Chrysene (C27.41)

R.T.: 14.613 min
Delta R.T.: -0.028 min
Response: 3333031
Conc: 22.47 ug/ml



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

R.T.: 16.111 min
Delta R.T.: -0.027 min
Response: 3085837
Conc: 22.71 ug/ml m



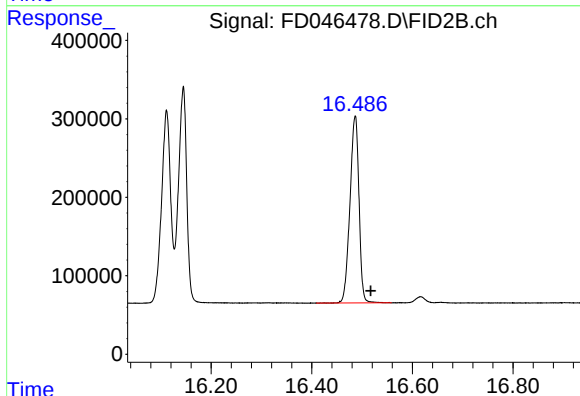
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.033 min
Response: 3134529
Conc: 23.11 ug/ml

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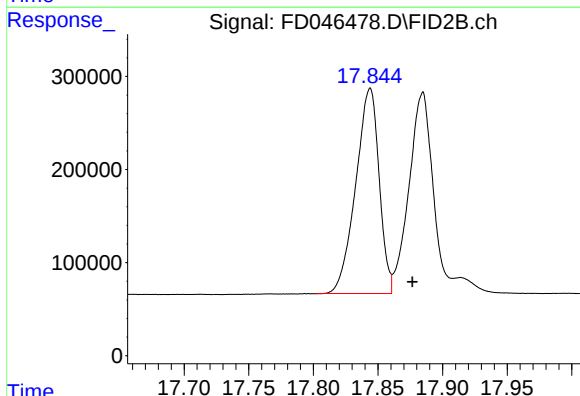
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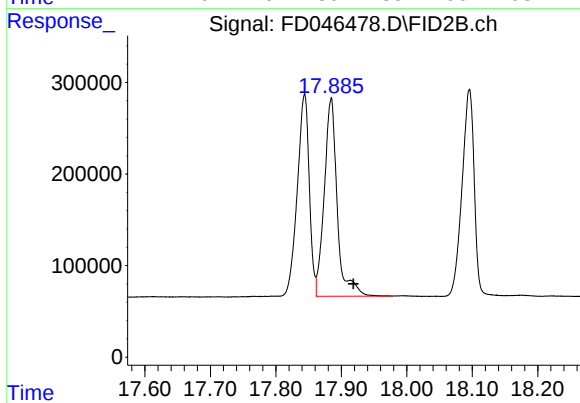
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.486 min
Delta R.T.: -0.031 min
Response: 2967490
Conc: 22.52 ug/ml



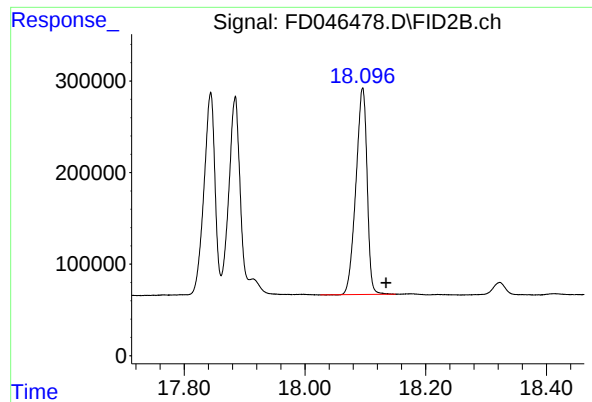
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.844 min
Delta R.T.: -0.033 min
Response: 2777882
Conc: 22.27 ug/ml m



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

R.T.: 17.884 min
Delta R.T.: -0.034 min
Response: 2981497
Conc: 23.79 ug/ml



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

R.T.: 18.095 min
Delta R.T.: -0.039 min
Response: 2901559
Conc: 22.63 ug/ml

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