

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011025AR\
 Data File : FD048938.D
 Signal(s) : FID2B.ch
 Acq On : 10 Jan 2025 17:06
 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 01/13/2025
 Supervised By :Ankita Jodhani 01/13/2025

Integration File: autoint1.e
 Quant Time: Jan 10 23:18:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 123124.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 31 12:22:13 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...	7.358	3585460	22.537 ug/ml
Spiked Amount 50.000		Recovery =	45.07%
6) S 2-Fluorobiphenyl (SURR)	8.209	2329802	23.824 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.65%
11) S ortho-Terphenyl (SURR)	11.242	4104234	22.364 ug/ml
Spiked Amount 50.000		Recovery =	44.73%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.181	3855506	22.363 ug/ml
2) T Naphthalene (C11.7)	5.699	3978510	21.908 ug/ml
3) T 2-Methylnaphthalene (...)	6.745	3953825	21.447 ug/ml
5) T Acenaphthylene (C15.06)	8.010	4061731	22.078 ug/ml
7) T Acenaphthene (C15.5)	8.304	4092259	21.565 ug/ml
8) T Fluorene (C16.55)	9.084	4030695	22.612 ug/ml
9) T Phenanthrene (C19.36)	10.471	3917907	22.341 ug/mlm
10) T Anthracene (C19.43)	10.548	3446363	20.311 ug/ml
12) T Fluoranthene (C21.85)	12.274	4036129	22.333 ug/ml
13) T Pyrene (C20.8)	12.567	3949169	21.967 ug/ml
14) T Benzo[a]anthracene (C...	14.438	3632011	23.053 ug/ml
15) T Chrysene (C27.41)	14.480	4051958	20.976 ug/ml
16) T benzo[b]fluoranthene ...	15.985	3765531	22.772 ug/ml
17) T Bnezo[k]fluoranthene ...	16.016	3945801	21.781 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.363	3517972	21.114 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.727	2918049	21.930 ug/mlm
20) T Dibenz[a,h]anthracene...	17.768	4114278	22.309 ug/ml
21) T Benzo[g,h,i]perylene ...	17.977	3594909	21.532 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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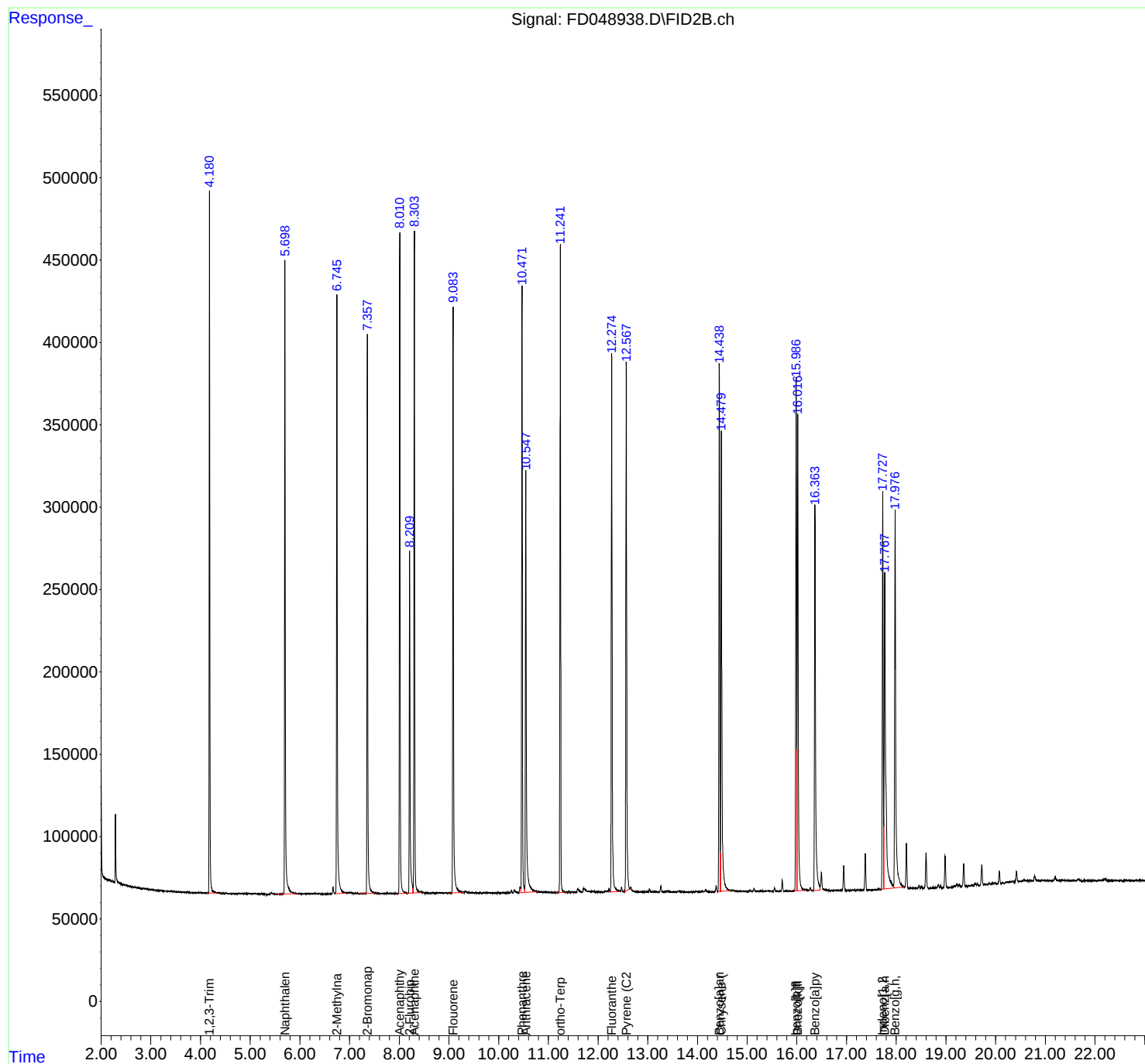
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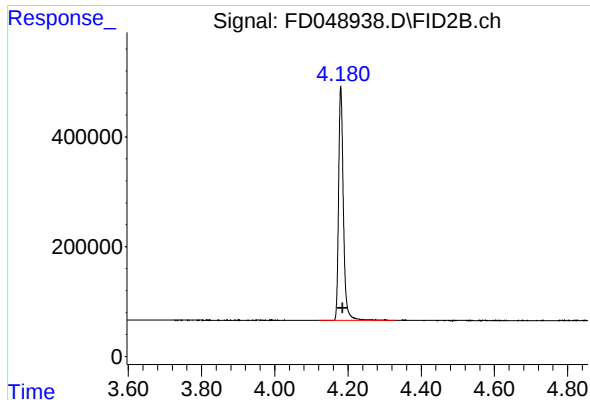
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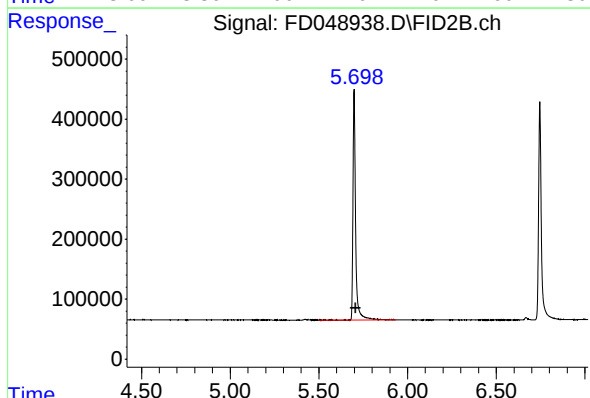
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.181 min
Delta R.T.: -0.005 min
Response: 3855506
Conc: 22.36 ug/ml

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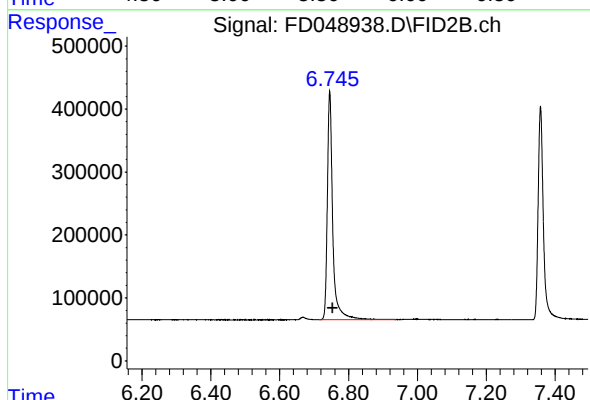
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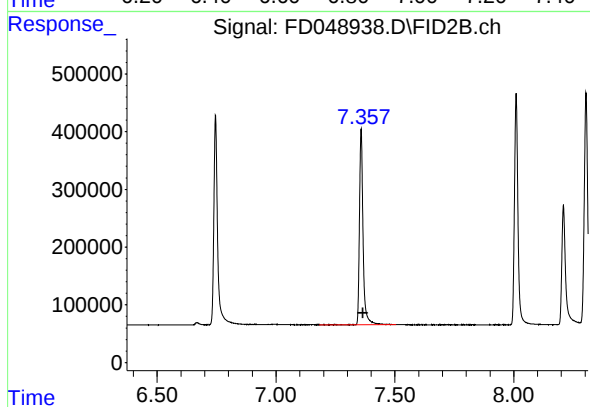
#2 Naphthalene (C11.7)

R.T.: 5.699 min
Delta R.T.: -0.008 min
Response: 3978510
Conc: 21.91 ug/ml



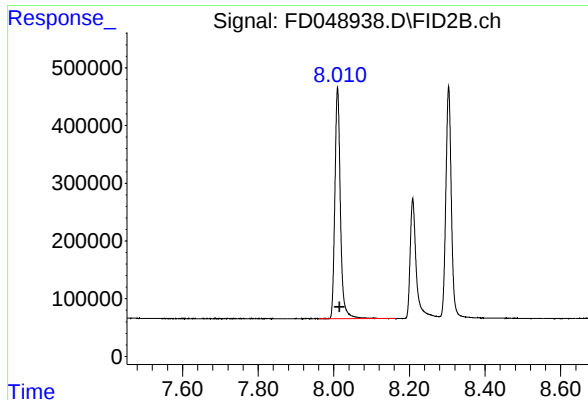
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.745 min
Delta R.T.: -0.008 min
Response: 3953825
Conc: 21.45 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: -0.007 min
Response: 3585460
Conc: 22.54 ug/ml



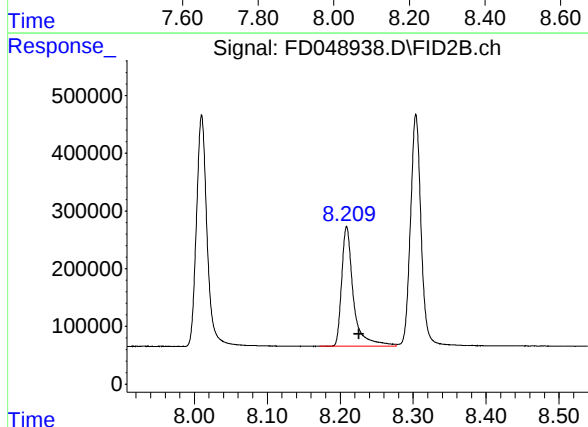
#5 Acenaphthylene (C15.06)

R.T.: 8.010 min
Delta R.T.: -0.006 min
Response: 4061731
Conc: 22.08 ug/ml

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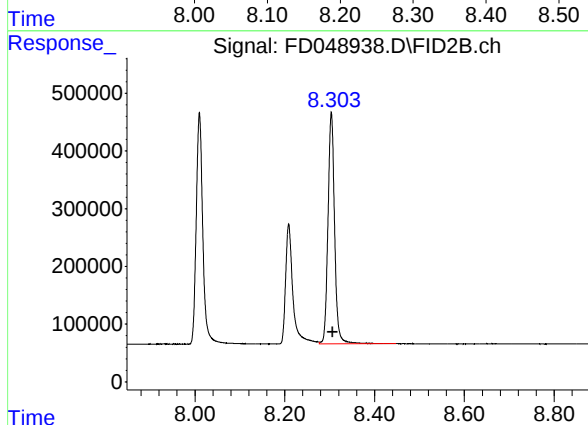
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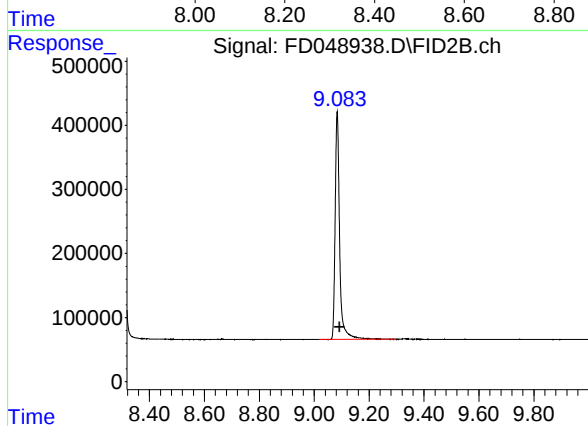
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.209 min
Delta R.T.: -0.017 min
Response: 2329802
Conc: 23.82 ug/ml



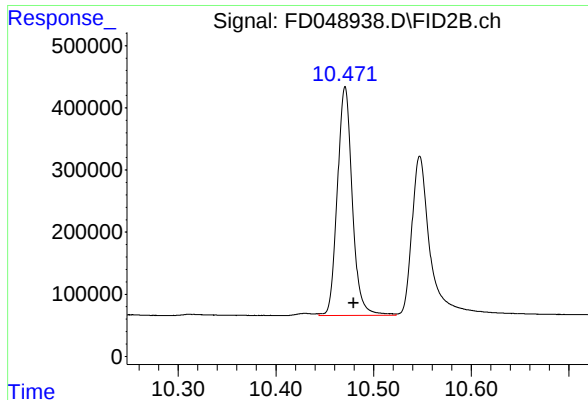
#7 Acenaphthene (C15.5)

R.T.: 8.304 min
Delta R.T.: -0.002 min
Response: 4092259
Conc: 21.56 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.084 min
Delta R.T.: -0.009 min
Response: 4030695
Conc: 22.61 ug/ml



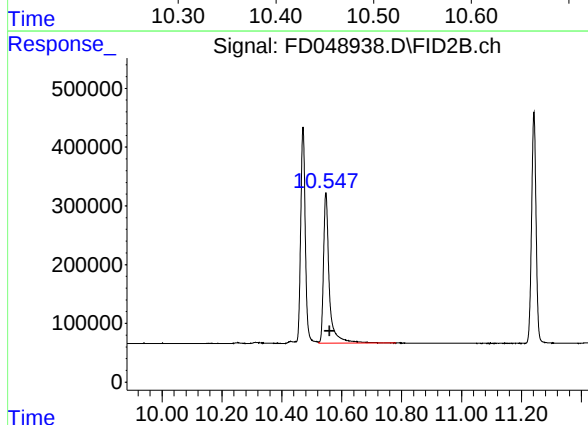
#9 Phenanthrene (C19.36)

R.T.: 10.471 min
Delta R.T.: -0.009 min
Response: 3917907
Conc: 22.34 ug/ml

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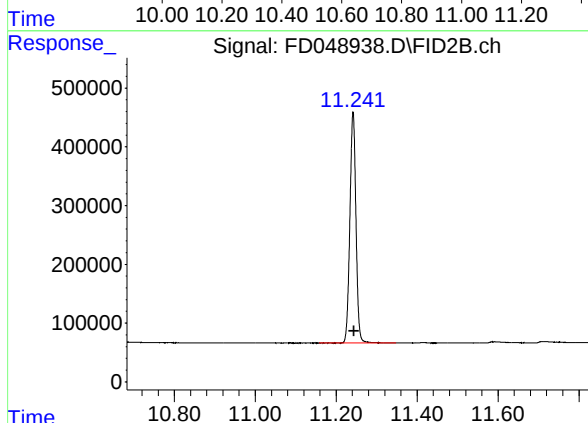
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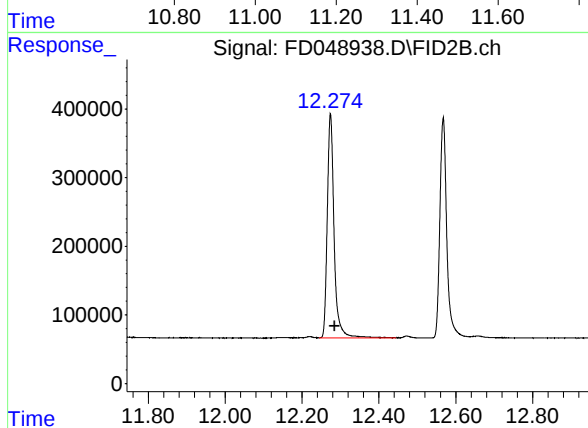
#10 Anthracene (C19.43)

R.T.: 10.548 min
Delta R.T.: -0.013 min
Response: 3446363
Conc: 20.31 ug/ml



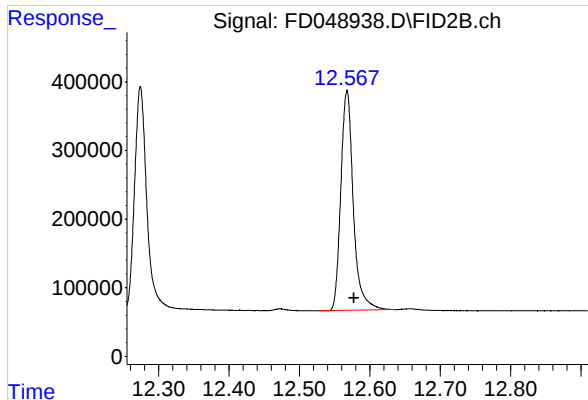
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: -0.002 min
Response: 4104234
Conc: 22.36 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.274 min
Delta R.T.: -0.011 min
Response: 4036129
Conc: 22.33 ug/ml



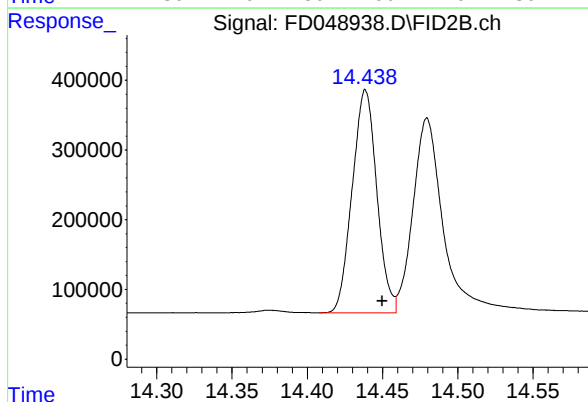
#13 Pyrene (C20.8)

R.T.: 12.567 min
Delta R.T.: -0.010 min
Response: 3949169
Conc: 21.97 ug/ml

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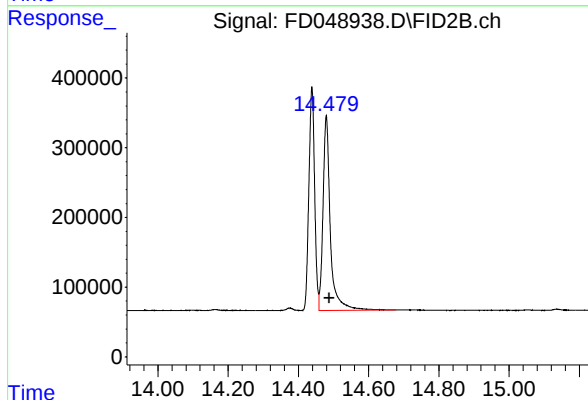
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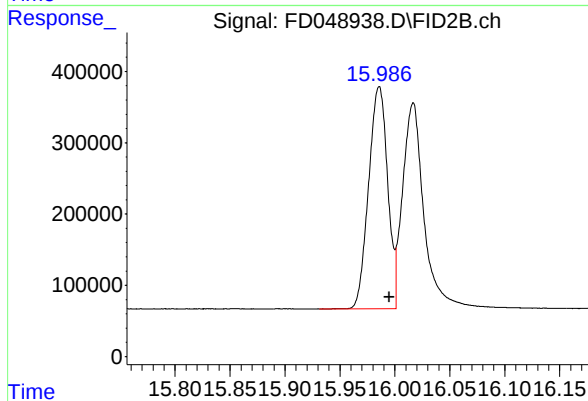
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.438 min
Delta R.T.: -0.011 min
Response: 3632011
Conc: 23.05 ug/ml



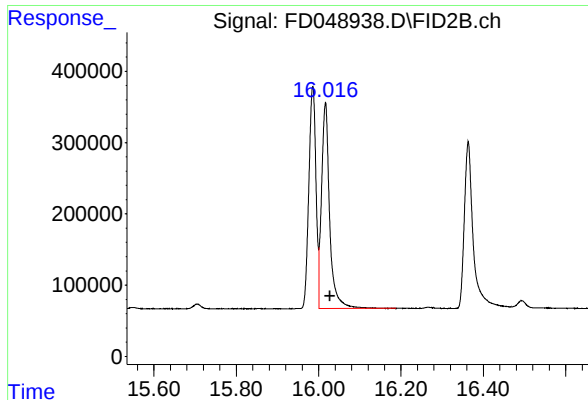
#15 Chrysene (C27.41)

R.T.: 14.480 min
Delta R.T.: -0.008 min
Response: 4051958
Conc: 20.98 ug/ml



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

R.T.: 15.985 min
Delta R.T.: -0.009 min
Response: 3765531
Conc: 22.77 ug/ml



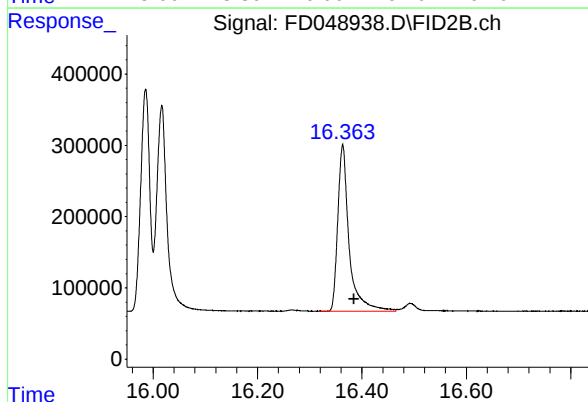
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.016 min
Delta R.T.: -0.012 min
Response: 3945801
Conc: 21.78 ug/ml

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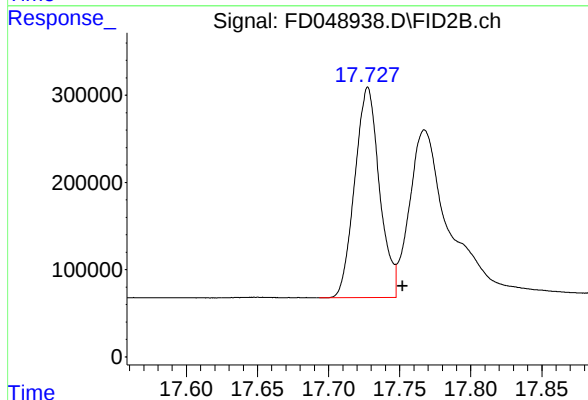
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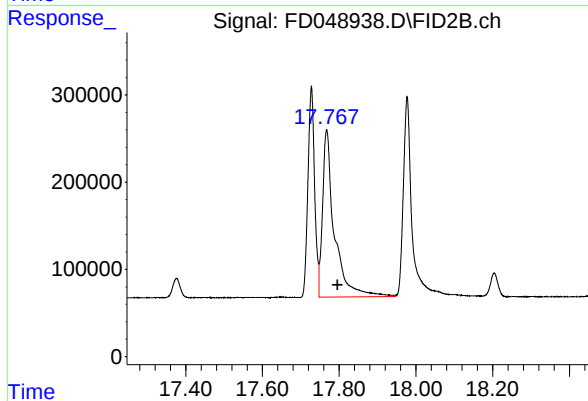
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.363 min
Delta R.T.: -0.022 min
Response: 3517972
Conc: 21.11 ug/ml



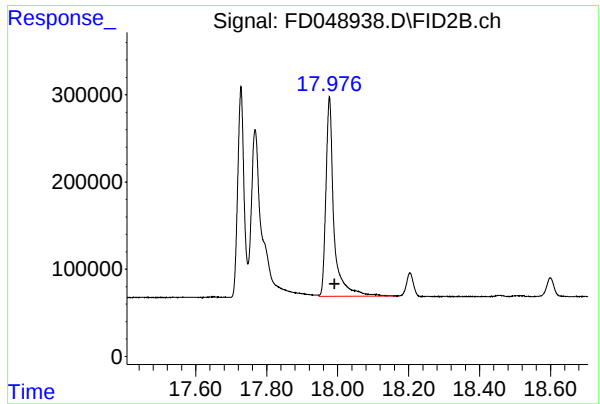
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.727 min
Delta R.T.: -0.025 min
Response: 2918049
Conc: 21.93 ug/ml m



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

R.T.: 17.768 min
Delta R.T.: -0.028 min
Response: 4114278
Conc: 22.31 ug/ml



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

R.T.: 17.977 min
Delta R.T.: -0.015 min
Response: 3594909
Conc: 21.53 ug/ml

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