

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021125AR\
 Data File : FD049079.D
 Signal(s) : FID2B.ch
 Acq On : 10 Feb 2025 17:38
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/11/2025
 Supervised By :Ankita Jodhani 02/11/2025

Integration File: autoint1.e
 Quant Time: Feb 10 18:24:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 021125.M
 Quant Title : GC Extractables
 QLast Update : Mon Feb 10 16:27:29 2025
 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...	7.351	2826616	19.751 ug/ml
Spiked Amount 50.000		Recovery =	39.50%
6) S 2-Fluorobiphenyl (SURR)	8.202	1791901	20.383 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.77%
11) S ortho-Terphenyl (SURR)	11.233	3176600	19.636 ug/ml
Spiked Amount 50.000		Recovery =	39.27%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.175	3156425	19.820 ug/ml
2) T Naphthalene (C11.7)	5.693	3174760	19.994 ug/ml
3) T 2-Methylnaphthalene (...)	6.739	3121940	20.052 ug/ml
5) T Acenaphthylene (C15.06)	8.003	3199195	19.675 ug/ml
7) T Acenaphthene (C15.5)	8.296	3236312	19.673 ug/ml
8) T Fluorene (C16.55)	9.076	3122197	19.805 ug/ml
9) T Phenanthrene (C19.36)	10.462	3010905	19.979 ug/ml
10) T Anthracene (C19.43)	10.539	3022241	20.011 ug/ml
12) T Fluoranthene (C21.85)	12.266	3055749	19.802 ug/ml
13) T Pyrene (C20.8)	12.558	2981825	19.355 ug/ml
14) T Benzo[a]anthracene (C...	14.428	2687720	20.456 ug/ml
15) T Chrysene (C27.41)	14.470	3122314	19.311 ug/ml
16) T benzo[b]fluoranthene ...	15.975	2796089	20.321 ug/ml
17) T Bnezo[k]fluoranthene ...	16.006	3018669	19.112 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.354	2685940	19.788 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.718	2119911	19.399 ug/mlm
20) T Dibenz[a,h]anthracene...	17.759	3070152	19.790 ug/ml
21) T Benzo[g,h,i]perylene ...	17.967	2783697	19.204 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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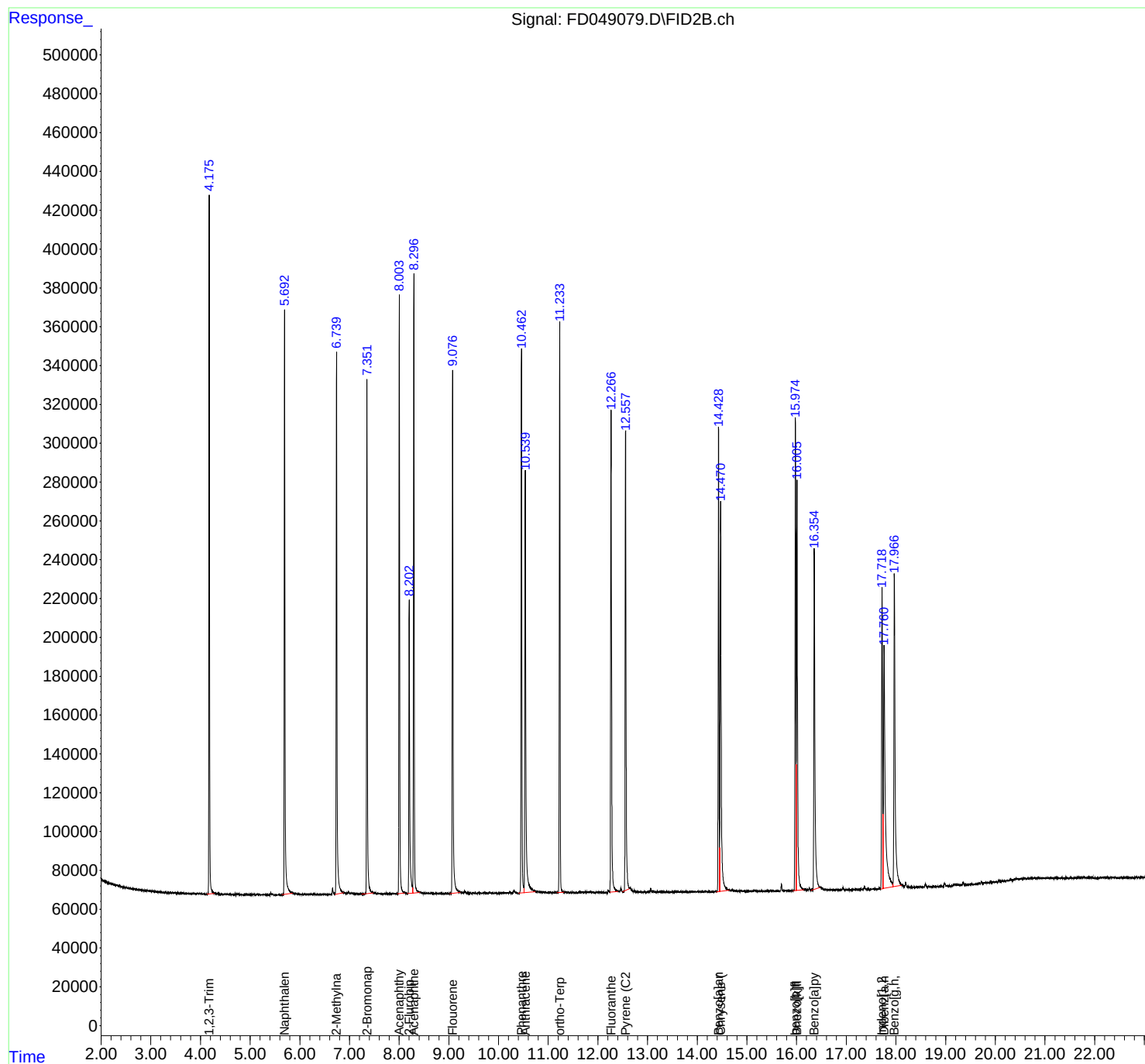
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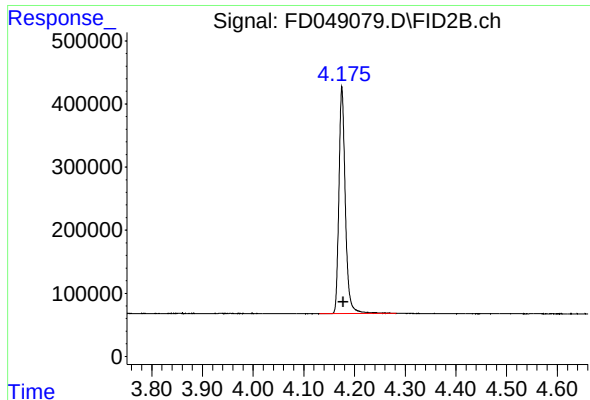
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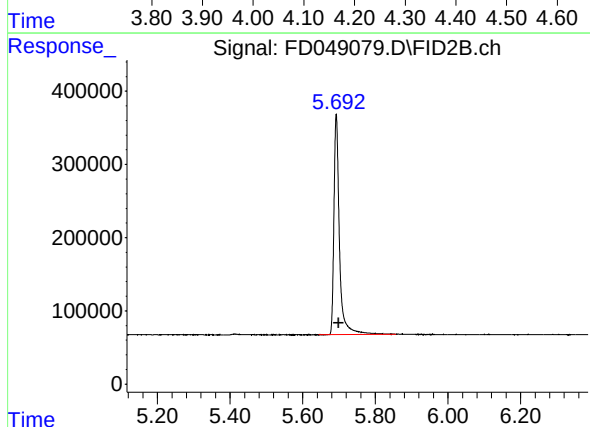
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.175 min
Delta R.T.: -0.003 min
Response: 3156425
Conc: 19.82 ug/ml

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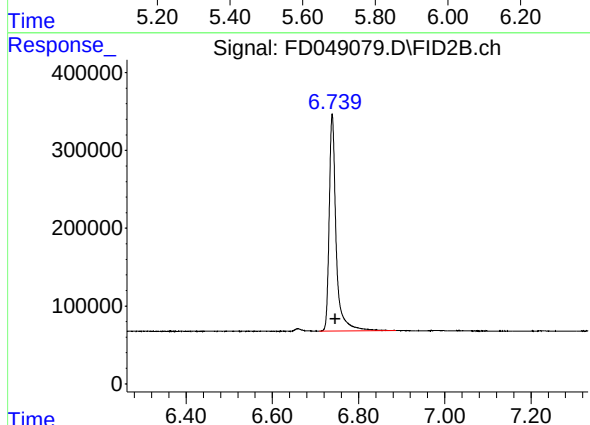
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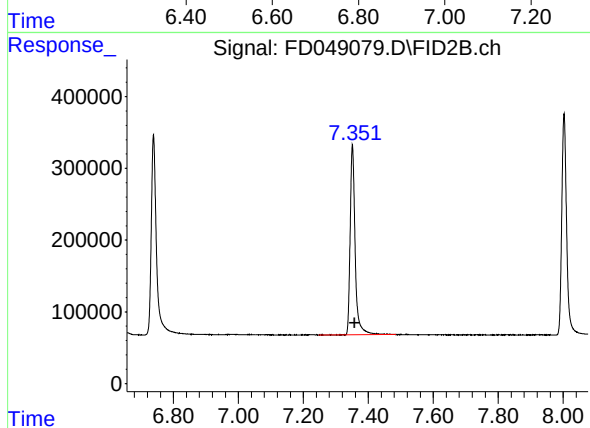
#2 Naphthalene (C11.7)

R.T.: 5.693 min
Delta R.T.: -0.006 min
Response: 3174760
Conc: 19.99 ug/ml



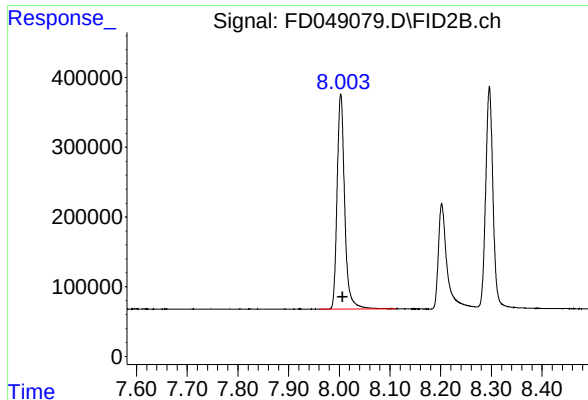
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.739 min
Delta R.T.: -0.007 min
Response: 3121940
Conc: 20.05 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.351 min
Delta R.T.: -0.006 min
Response: 2826616
Conc: 19.75 ug/ml



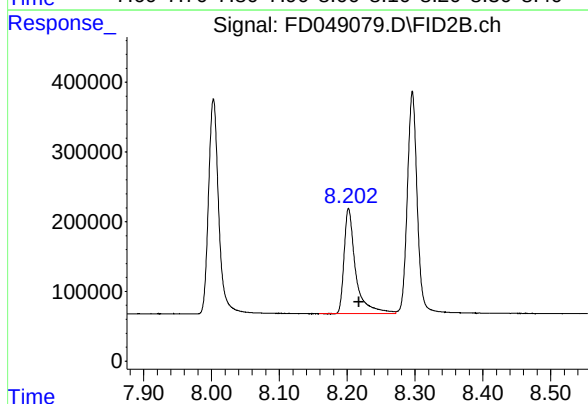
#5 Acenaphthylene (C15.06)

R.T.: 8.003 min
Delta R.T.: -0.004 min
Response: 3199195
Conc: 19.67 ug/ml

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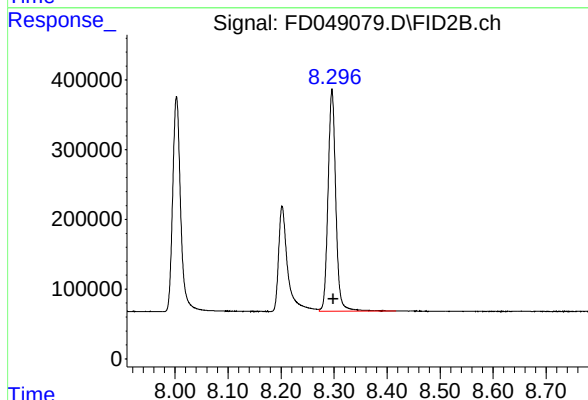
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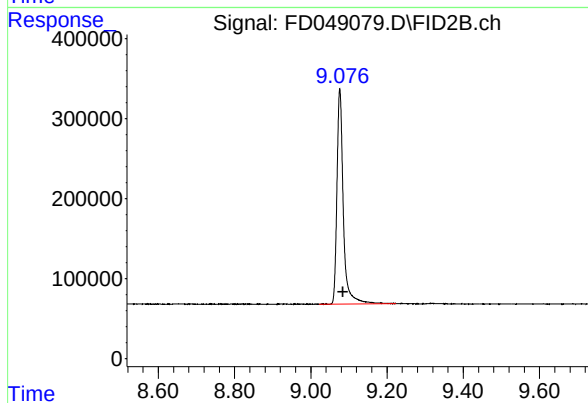
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.202 min
Delta R.T.: -0.015 min
Response: 1791901
Conc: 20.38 ug/ml



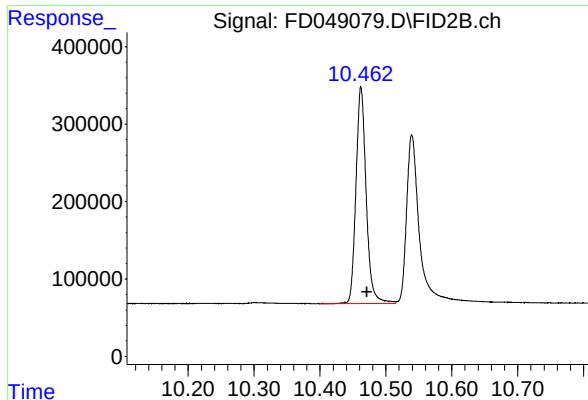
#7 Acenaphthene (C15.5)

R.T.: 8.296 min
Delta R.T.: -0.002 min
Response: 3236312
Conc: 19.67 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.076 min
Delta R.T.: -0.008 min
Response: 3122197
Conc: 19.80 ug/ml



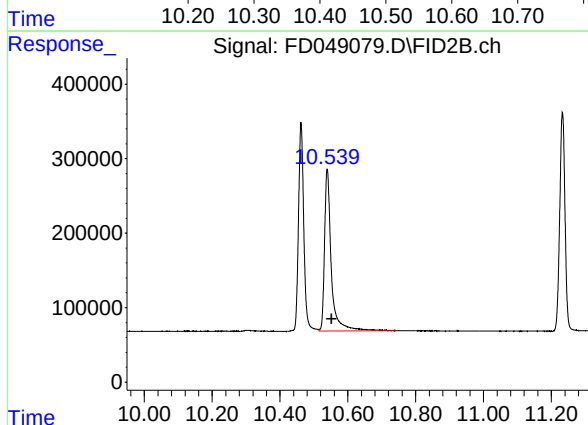
#9 Phenanthrene (C19.36)

R.T.: 10.462 min
Delta R.T.: -0.009 min
Response: 3010905
Conc: 19.98 ug/ml

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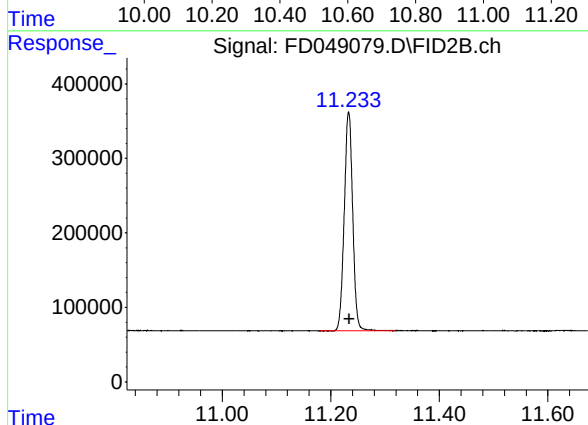
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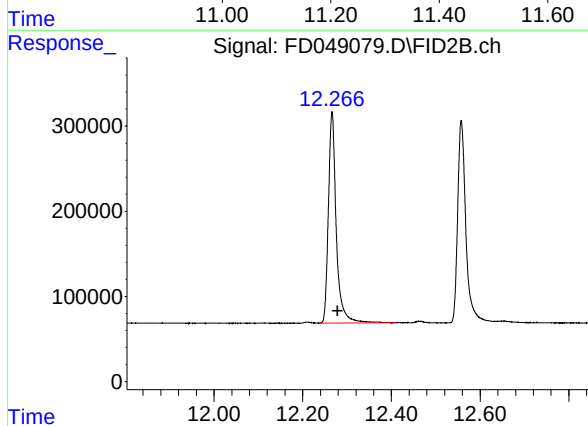
#10 Anthracene (C19.43)

R.T.: 10.539 min
Delta R.T.: -0.013 min
Response: 3022241
Conc: 20.01 ug/ml



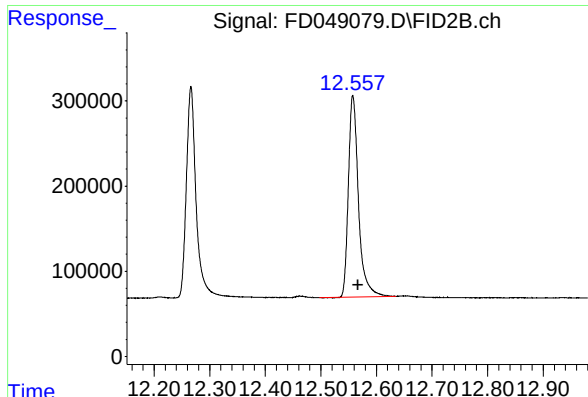
#11 ortho-Terphenyl (SURR)

R.T.: 11.233 min
Delta R.T.: -0.001 min
Response: 3176600
Conc: 19.64 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.266 min
Delta R.T.: -0.013 min
Response: 3055749
Conc: 19.80 ug/ml



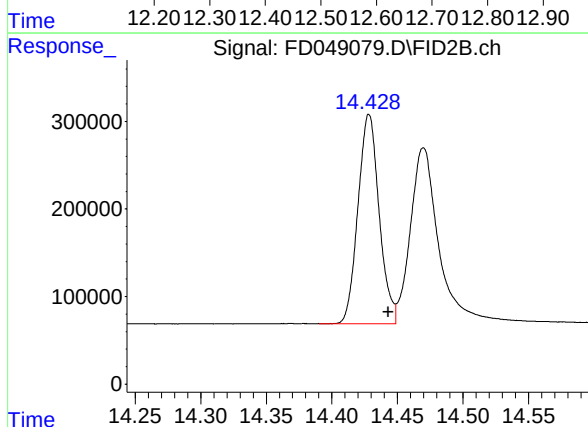
#13 Pyrene (C20.8)

R.T.: 12.558 min
Delta R.T.: -0.010 min
Response: 2981825
Conc: 19.36 ug/ml

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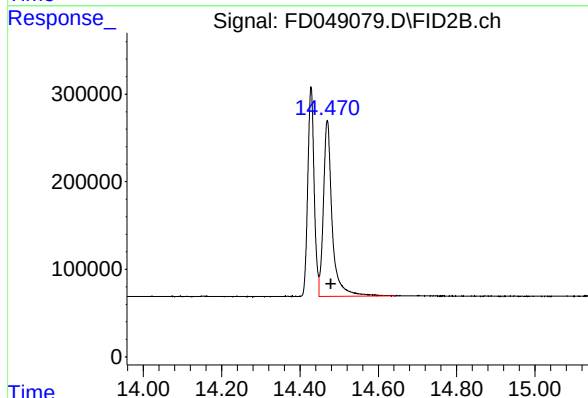
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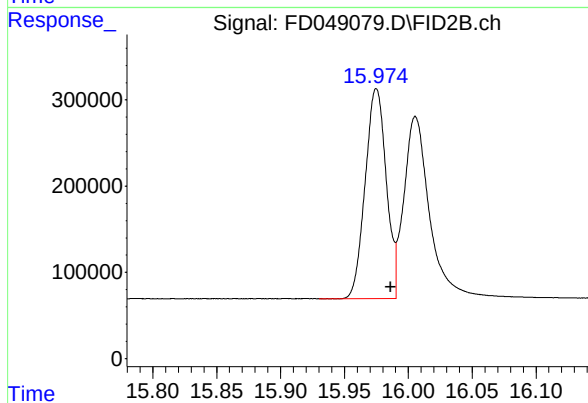
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.428 min
Delta R.T.: -0.014 min
Response: 2687720
Conc: 20.46 ug/ml



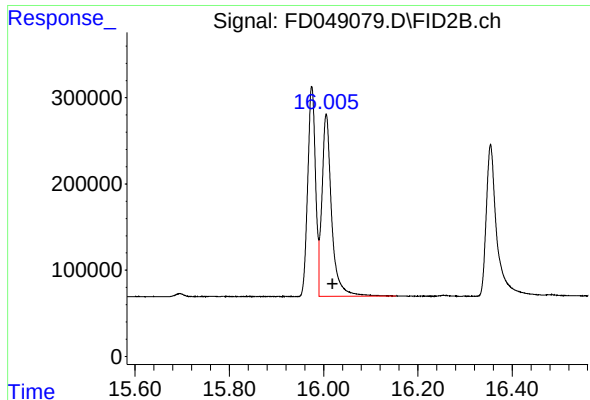
#15 Chrysene (C27.41)

R.T.: 14.470 min
Delta R.T.: -0.009 min
Response: 3122314
Conc: 19.31 ug/ml



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

R.T.: 15.975 min
Delta R.T.: -0.011 min
Response: 2796089
Conc: 20.32 ug/ml



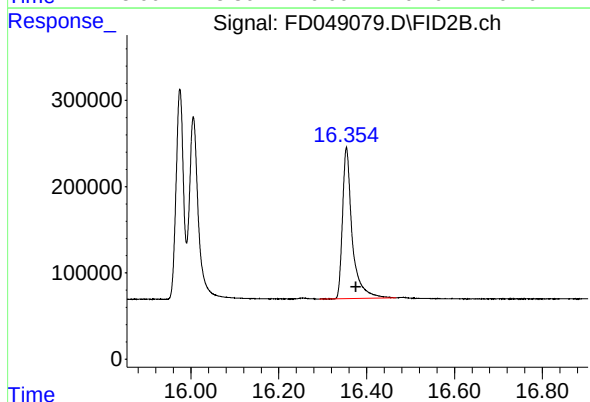
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.006 min
Delta R.T.: -0.013 min
Response: 3018669
Conc: 19.11 ug/ml

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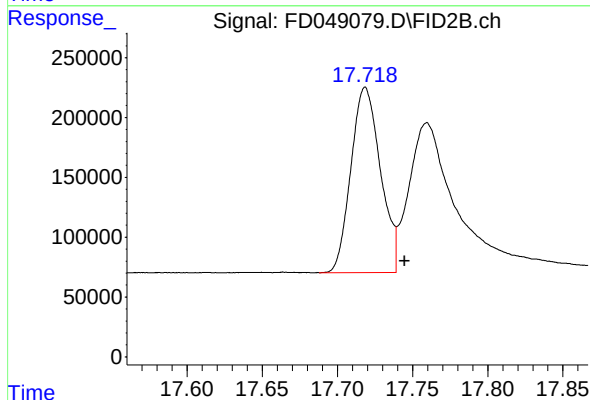
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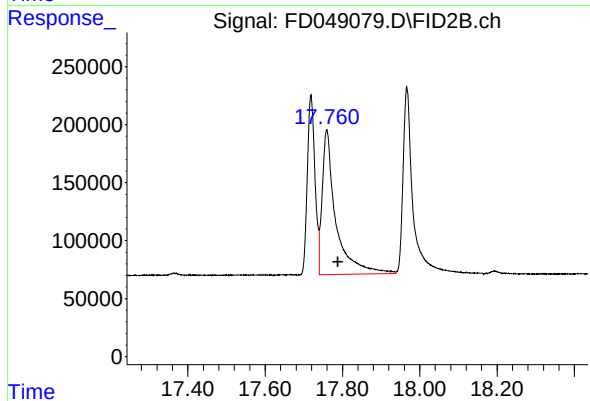
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.354 min
Delta R.T.: -0.021 min
Response: 2685940
Conc: 19.79 ug/ml



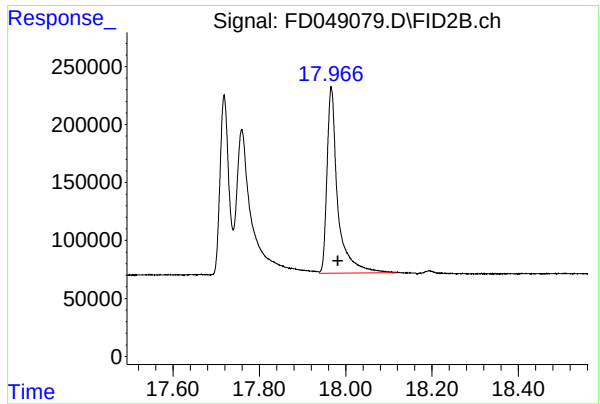
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.718 min
Delta R.T.: -0.026 min
Response: 2119911
Conc: 19.40 ug/ml m



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

R.T.: 17.759 min
Delta R.T.: -0.029 min
Response: 3070152
Conc: 19.79 ug/ml



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

R.T.: 17.967 min
Delta R.T.: -0.015 min
Response: 2783697
Conc: 19.20 ug/ml

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