

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121124AR\
 Data File : FD048879.D
 Signal(s) : FID2B.ch
 Acq On : 11 Dec 2024 23:45
 Operator : YP/AJ
 Sample : P5194-01MSD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

UST-1MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 12/12/2024

Supervised By :Ankita Jodhani 12/12/2024

Integration File: autoint1.e

Quant Time: Dec 12 04:31:31 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121024.M

Quant Title : GC Extractables

QLast Update : Tue Dec 10 06:07:50 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...	7.364	8641283	51.303 ug/ml
Spiked Amount 50.000		Recovery =	102.61%
6) S 2-Fluorobiphenyl (SURR)	8.215	5696200	55.138 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	110.28%
11) S ortho-Terphenyl (SURR)	11.248	4155085	23.388 ug/ml
Spiked Amount 50.000		Recovery =	46.78%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	5206380	27.498 ug/ml
2) T Naphthalene (C11.7)	5.703	5967665	31.231 ug/ml
3) T 2-Methylnaphthalene (...)	6.750	5704027	30.869 ug/ml
5) T Acenaphthylene (C15.06)	8.016	5839035	31.286 ug/ml
7) T Acenaphthene (C15.5)	8.311	6350798	34.101 ug/ml
8) T Flouorene (C16.55)	9.089	6181105	34.591 ug/ml
9) T Phenanthrene (C19.36)	10.477	5860643	35.088 ug/ml
10) T Anthracene (C19.43)	10.553	5793111	34.133 ug/ml
12) T Fluoranthene (C21.85)	12.283	5721379	34.953 ug/mlm
13) T Pyrene (C20.8)	12.576	5842246	35.921 ug/ml
14) T Benzo[a]anthracene (C...	14.447	4749915	35.954 ug/ml
15) T Chrysene (C27.41)	14.489	4858227	30.093 ug/ml
16) T benzo[b]fluoranthene ...	15.998	4457827	33.112 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.029	4426364	29.060 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.373	4127218	29.840 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.744	3987429	37.416 ug/ml
20) T Dibenz[a,h]anthracene...	17.780	4019883	27.718 ug/ml
21) T Benzo[g,h,i]perylene ...	17.994	3687326	26.299 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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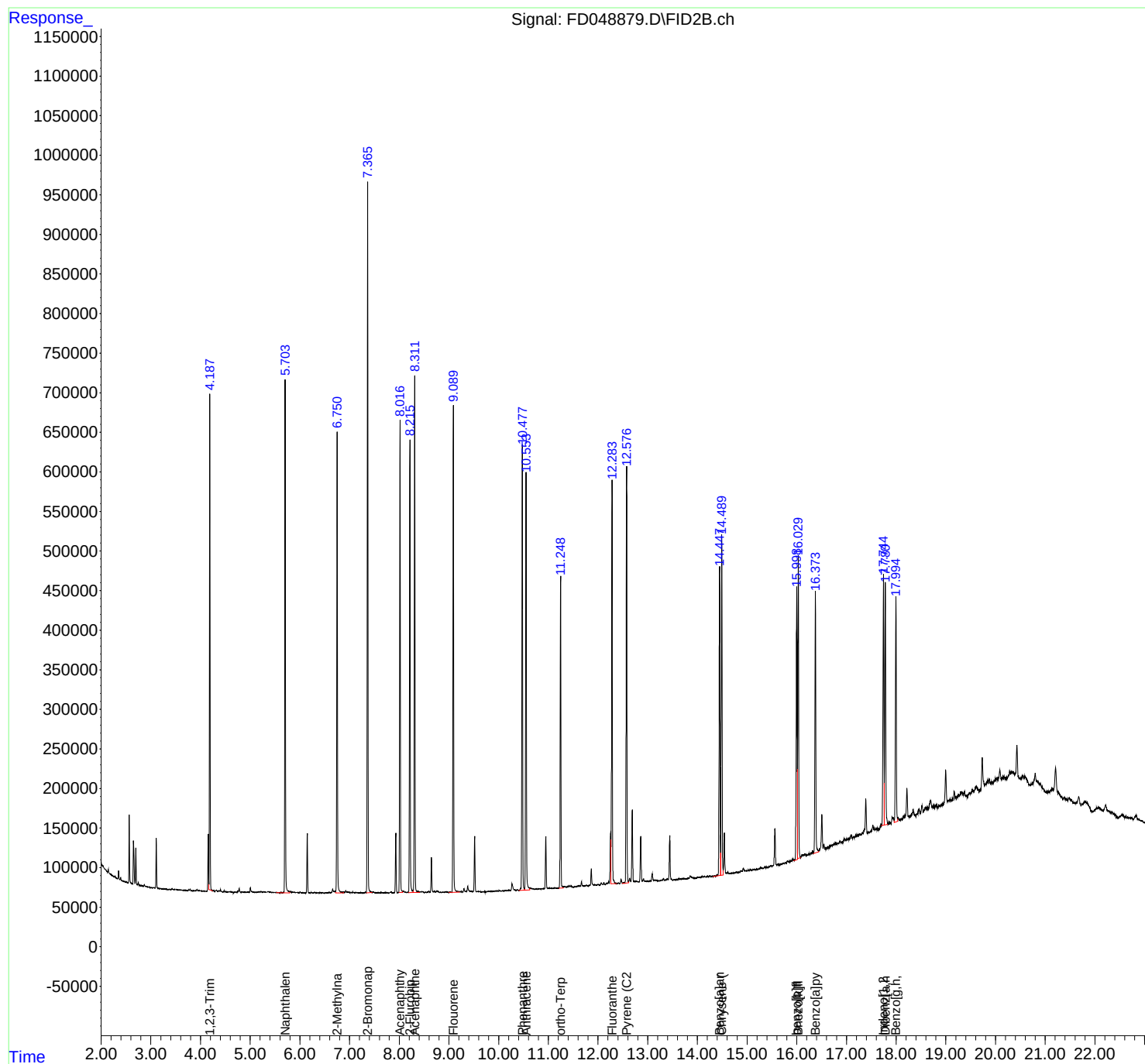
Response via : Initial Calibration

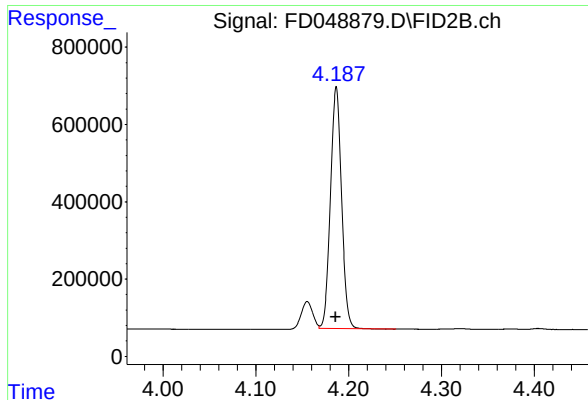
Integrator: ChemStation

Volume Inj. : 1 µl

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





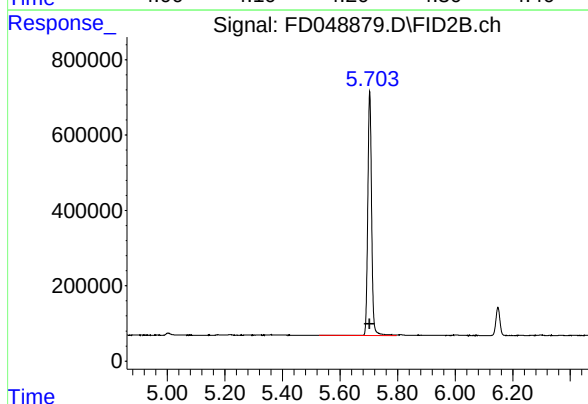
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 5206380
Conc: 27.50 ug/ml

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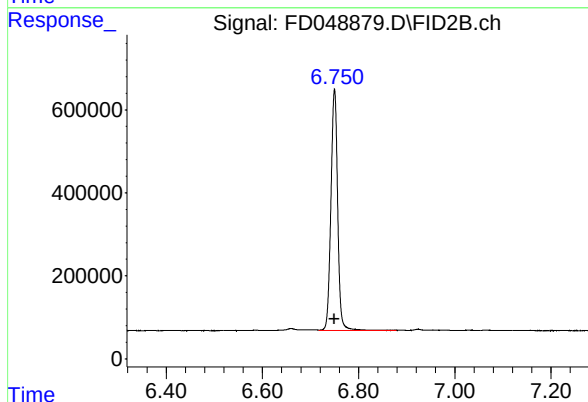
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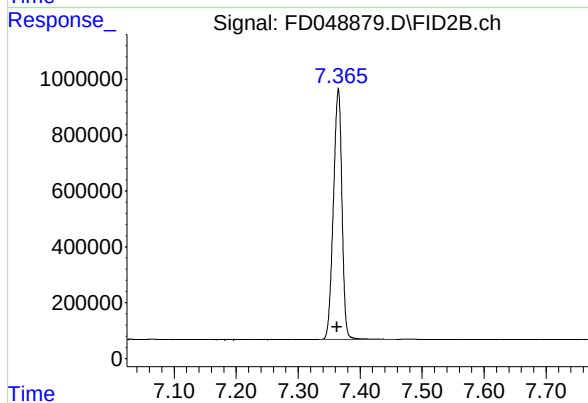
#2 Naphthalene (C11.7)

R.T.: 5.703 min
Delta R.T.: 0.000 min
Response: 5967665
Conc: 31.23 ug/ml



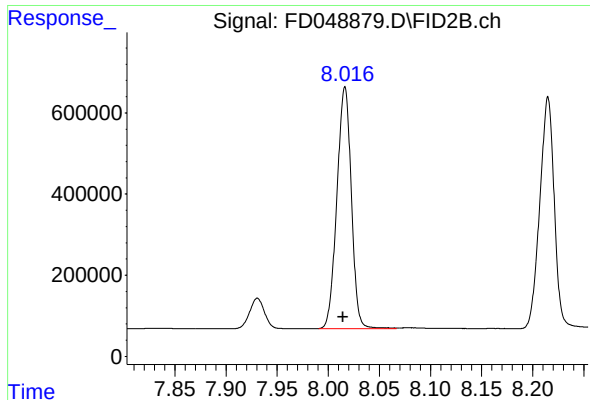
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 5704027
Conc: 30.87 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.364 min
Delta R.T.: 0.002 min
Response: 8641283
Conc: 51.30 ug/ml



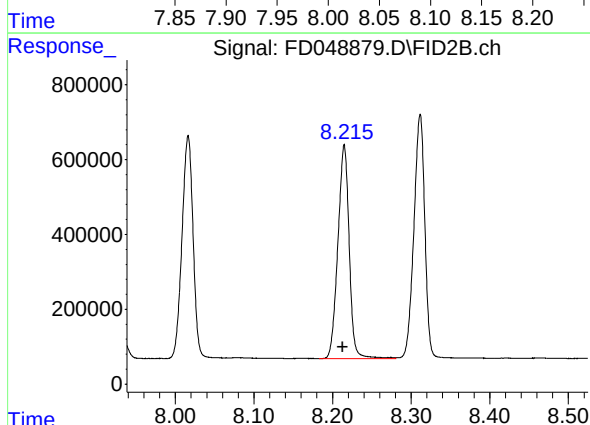
#5 Acenaphthylene (C15.06)

R.T.: 8.016 min
Delta R.T.: 0.002 min
Response: 5839035
Conc: 31.29 ug/ml

Instrument :
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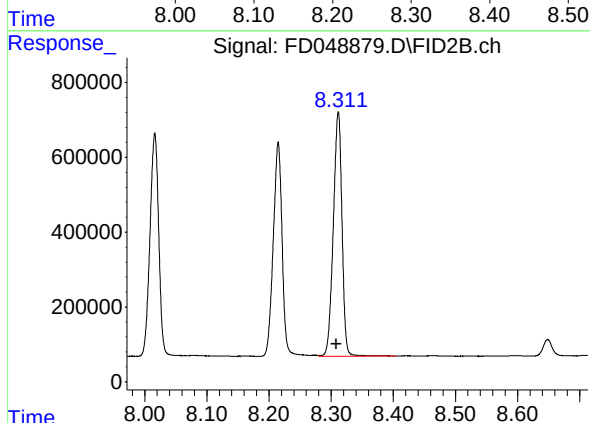
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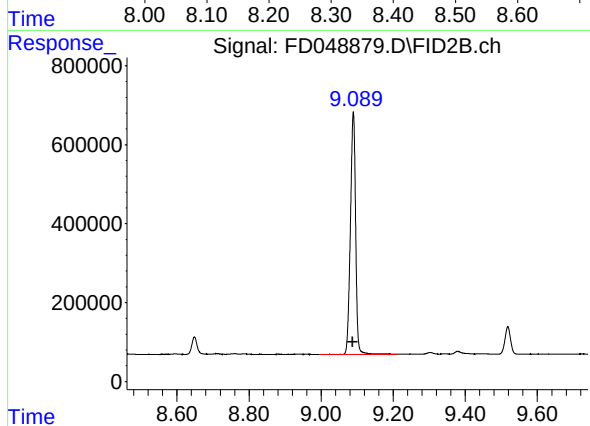
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.215 min
Delta R.T.: 0.002 min
Response: 5696200
Conc: 55.14 ug/ml



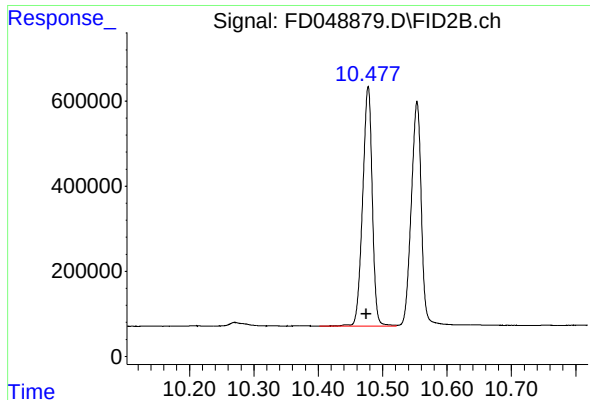
#7 Acenaphthene (C15.5)

R.T.: 8.311 min
Delta R.T.: 0.003 min
Response: 6350798
Conc: 34.10 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.089 min
Delta R.T.: 0.001 min
Response: 6181105
Conc: 34.59 ug/ml



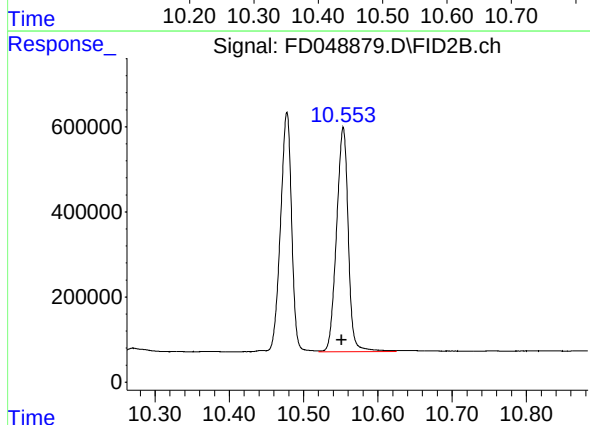
#9 Phenanthrene (C19.36)

R.T.: 10.477 min
Delta R.T.: 0.003 min
Response: 5860643
Conc: 35.09 ug/ml

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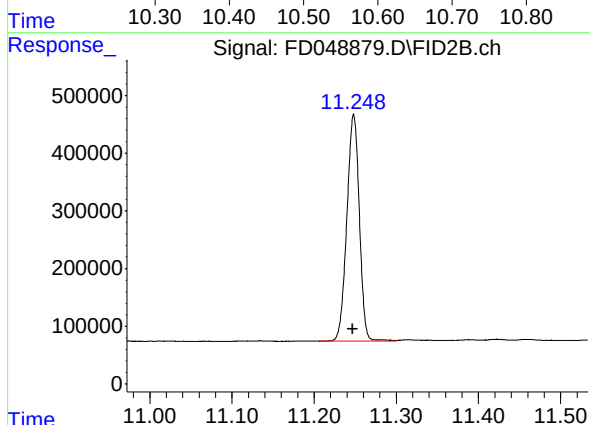
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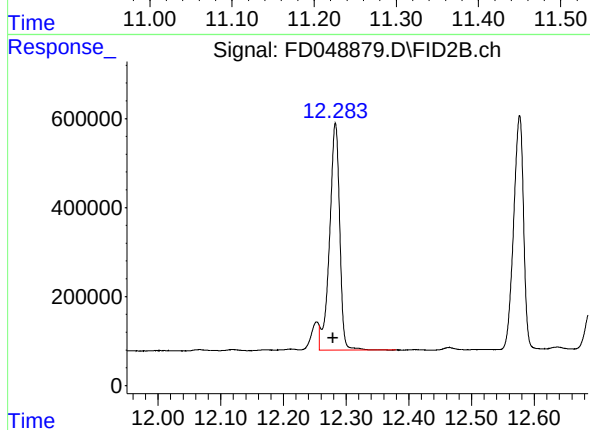
#10 Anthracene (C19.43)

R.T.: 10.553 min
Delta R.T.: 0.002 min
Response: 5793111
Conc: 34.13 ug/ml



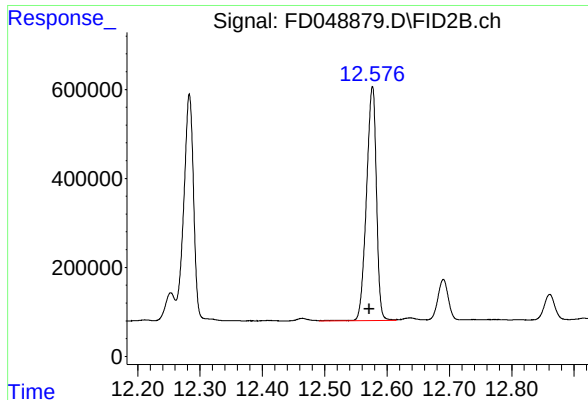
#11 ortho-Terphenyl (SURR)

R.T.: 11.248 min
Delta R.T.: 0.001 min
Response: 4155085
Conc: 23.39 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.283 min
Delta R.T.: 0.004 min
Response: 5721379
Conc: 34.95 ug/ml m



#13 Pyrene (C20.8)

R.T.: 12.576 min
Delta R.T.: 0.005 min
Response: 5842246
Conc: 35.92 ug/ml

Instrument :

FID_D

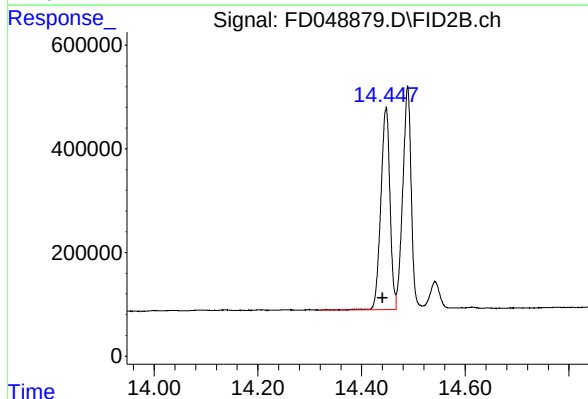
ClientSampleId :

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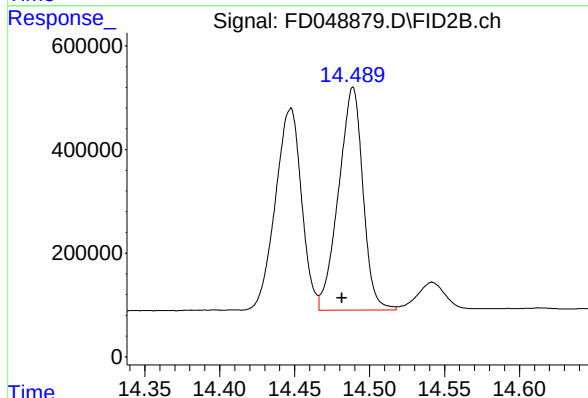
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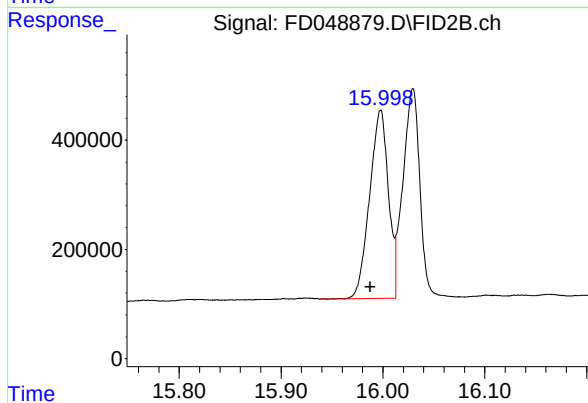
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.447 min
Delta R.T.: 0.006 min
Response: 4749915
Conc: 35.95 ug/ml



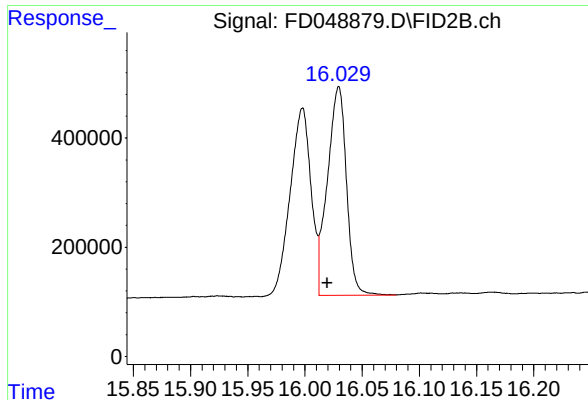
#15 Chrysene (C27.41)

R.T.: 14.489 min
Delta R.T.: 0.007 min
Response: 4858227
Conc: 30.09 ug/ml



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

R.T.: 15.998 min
Delta R.T.: 0.010 min
Response: 4457827
Conc: 33.11 ug/ml m



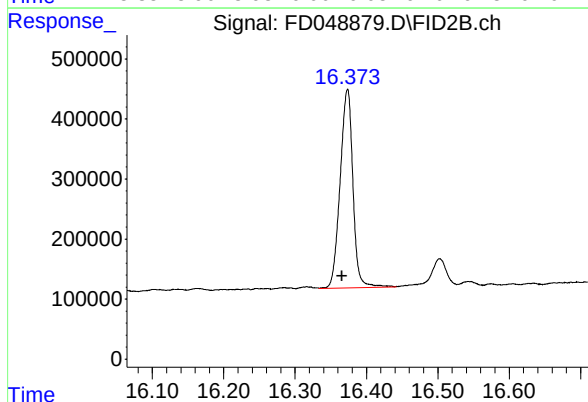
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.029 min
Delta R.T.: 0.010 min
Response: 4426364
Conc: 29.06 ug/ml

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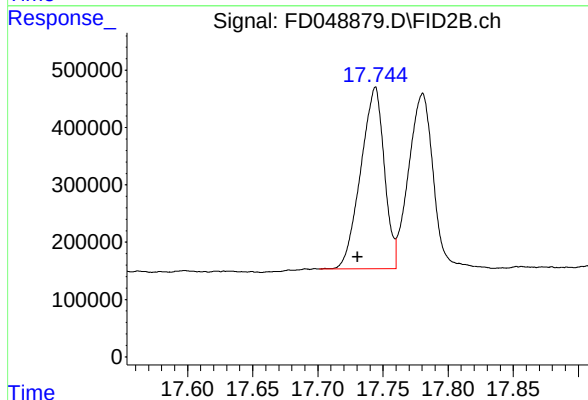
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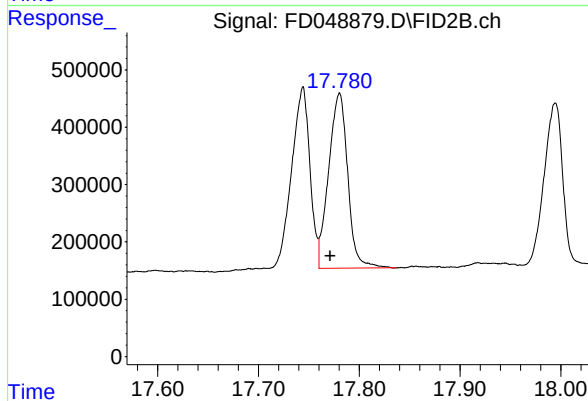
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.373 min
Delta R.T.: 0.007 min
Response: 4127218
Conc: 29.84 ug/ml



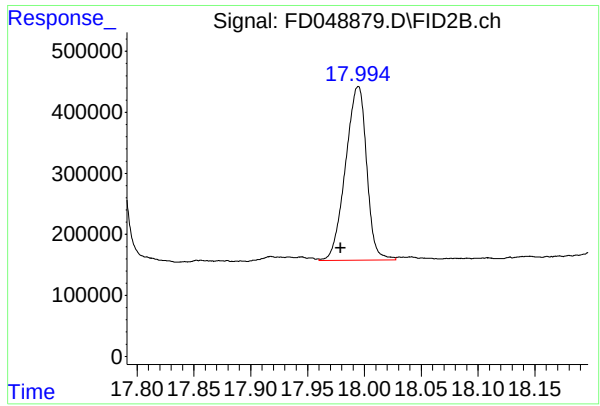
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.744 min
Delta R.T.: 0.013 min
Response: 3987429
Conc: 37.42 ug/ml



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

R.T.: 17.780 min
Delta R.T.: 0.009 min
Response: 4019883
Conc: 27.72 ug/ml



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

R.T.: 17.994 min
Delta R.T.: 0.015 min
Response: 3687326
Conc: 26.30 ug/ml

Instrument :

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