

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD040825AR\
 Data File : FD049245.D
 Signal(s) : FID2B.ch
 Acq On : 08 Apr 2025 18:03
 Operator : YP/AJ
 Sample : PB167513BSD
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB167513BSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File: autoint1.e

Quant Time: Apr 09 02:36:05 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040725.M

Quant Title : GC Extractables

QLast Update : Tue Apr 08 05:25:12 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...	7.752	6476229	43.719 ug/ml
Spiked Amount 50.000		Recovery =	87.44%
6) S 2-Fluorobiphenyl (SURR)	8.618	3112167	30.511 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	61.02%
11) S ortho-Terphenyl (SURR)	11.662	7620194	43.251 ug/ml
Spiked Amount 50.000		Recovery =	86.50%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.541	3010590	20.091 ug/mlm
2) T Naphthalene (C11.7)	6.087	3995250	24.401 ug/ml
3) T 2-Methylnaphthalene (...)	7.141	4148126	25.645 ug/ml
5) T Acenaphthylene (C15.06)	8.422	5790784	32.783 ug/ml
7) T Acenaphthene (C15.5)	8.718	5482593	31.823 ug/ml
8) T Flouorene (C16.55)	9.500	6763260	38.784 ug/ml
9) T Phenanthrene (C19.36)	10.900	7141847	41.616 ug/ml
10) T Anthracene (C19.43)	10.974	6732659	42.857 ug/ml
12) T Fluoranthene (C21.85)	12.714	7456808	44.116 ug/ml
13) T Pyrene (C20.8)	13.013	7098733	42.326 ug/ml
14) T Benzo[a]anthracene (C...	14.883	6788724	47.228 ug/ml
15) T Chrysene (C27.41)	14.928	7383363	51.169 ug/ml
16) T benzo[b]fluoranthene ...	16.434	6432569	46.237 ug/ml
17) T Bnezo[k]fluoranthene ...	16.470	6379706	46.647 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.814	5903886	45.402 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.179	6271969	50.877 ug/ml
20) T Dibenz[a,h]anthracene...	18.218	5865081	46.384 ug/ml
21) T Benzo[g,h,i]perylene ...	18.437	5907837	45.254 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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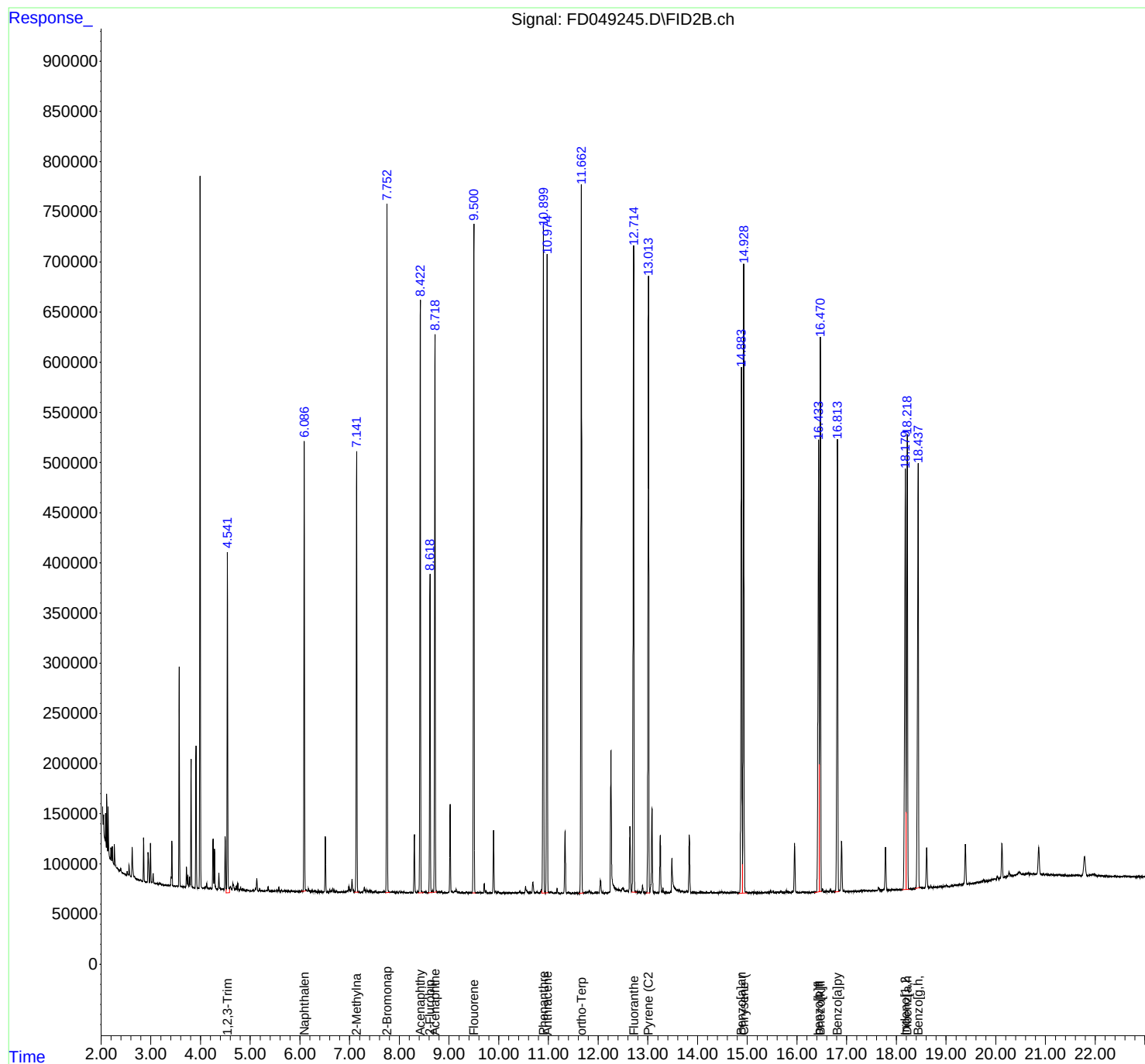
Instrument :
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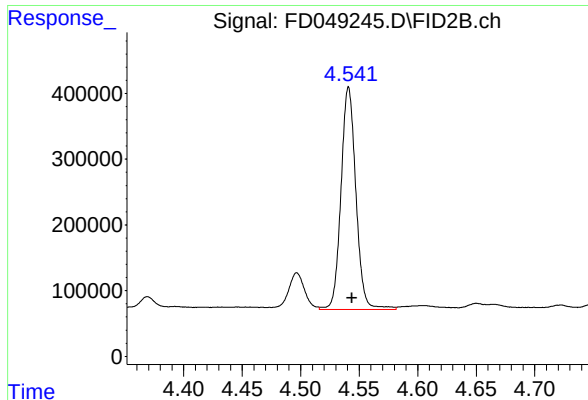
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Volume Inj. : 1 µl
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.541 min
Delta R.T.: -0.003 min
Response: 3010590
Conc: 20.09 ug/ml

Instrument :

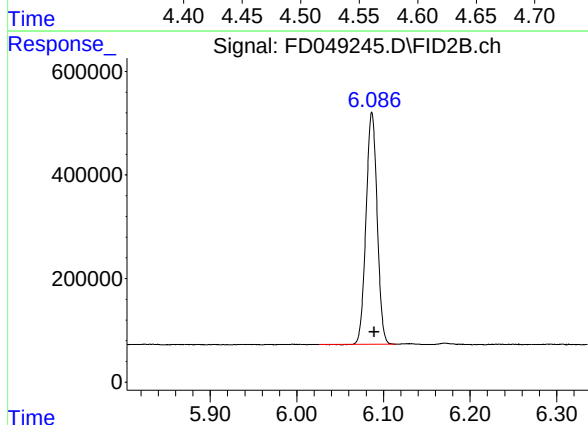
FID_D

ClientSampleId :

PB167513BSD

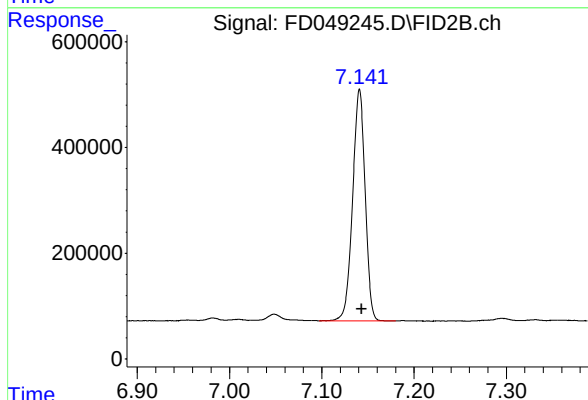
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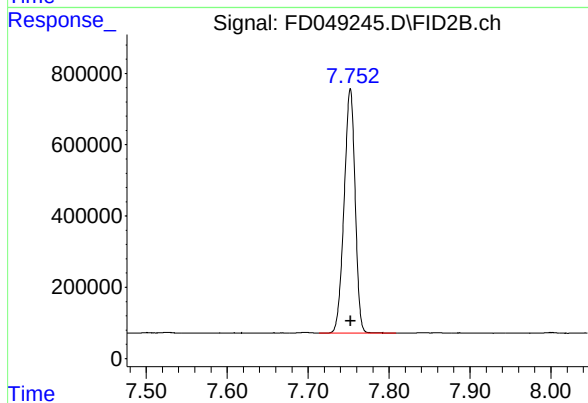
#2 Naphthalene (C11.7)

R.T.: 6.087 min
Delta R.T.: -0.003 min
Response: 3995250
Conc: 24.40 ug/ml



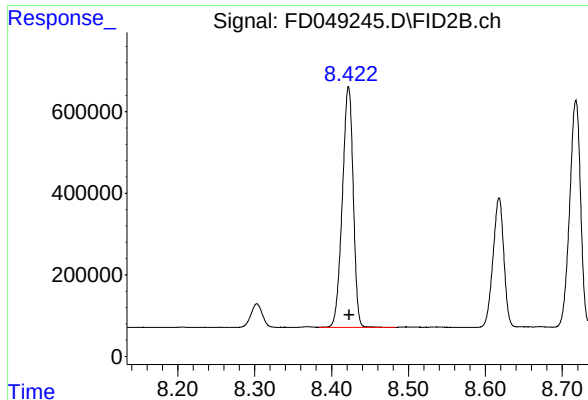
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.141 min
Delta R.T.: -0.002 min
Response: 4148126
Conc: 25.65 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.752 min
Delta R.T.: 0.000 min
Response: 6476229
Conc: 43.72 ug/ml



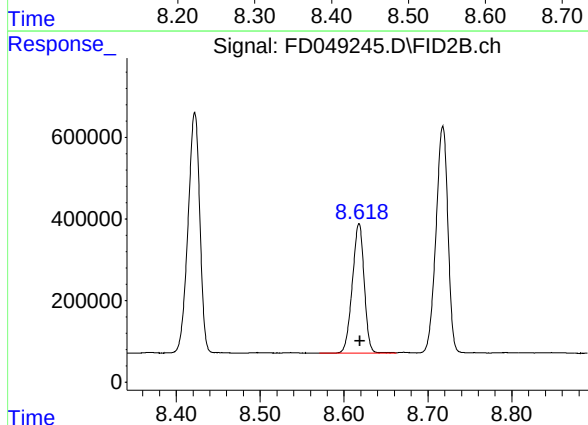
#5 Acenaphthylene (C15.06)

R.T.: 8.422 min
Delta R.T.: 0.000 min
Response: 5790784
Conc: 32.78 ug/ml

Instrument :
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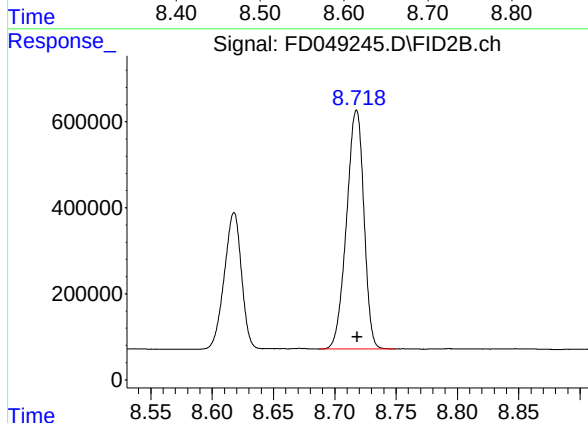
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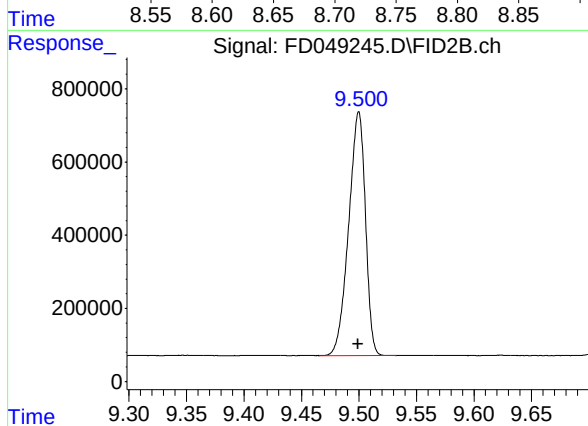
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.618 min
Delta R.T.: -0.001 min
Response: 3112167
Conc: 30.51 ug/ml



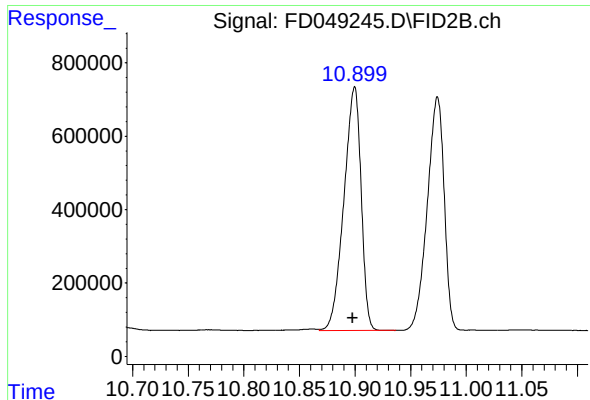
#7 Acenaphthene (C15.5)

R.T.: 8.718 min
Delta R.T.: 0.000 min
Response: 5482593
Conc: 31.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.500 min
Delta R.T.: 0.000 min
Response: 6763260
Conc: 38.78 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.900 min
Delta R.T.: 0.002 min
Response: 7141847
Conc: 41.62 ug/ml

Instrument :

FID_D

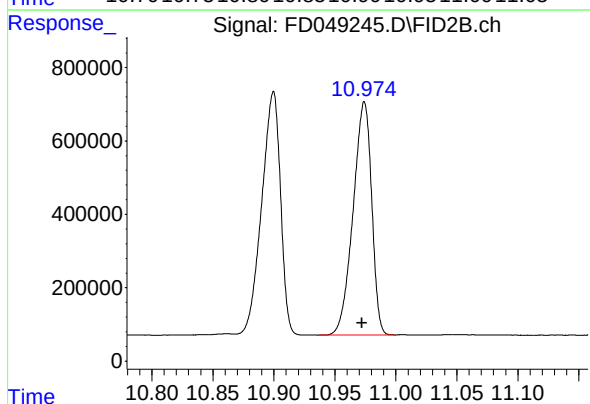
ClientSampleId :

PB167513BSD

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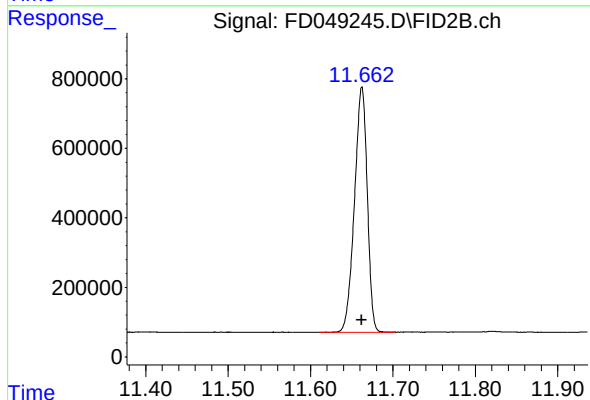
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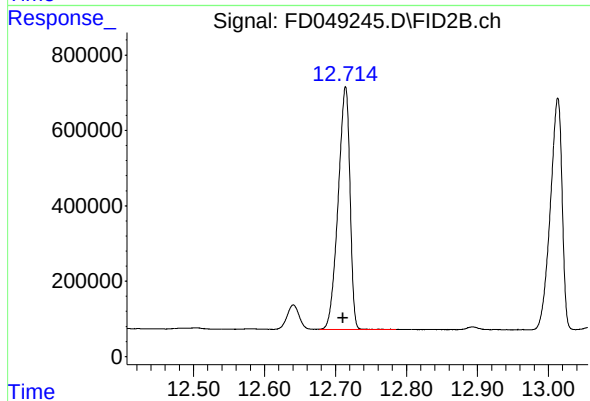
#10 Anthracene (C19.43)

R.T.: 10.974 min
Delta R.T.: 0.002 min
Response: 6732659
Conc: 42.86 ug/ml



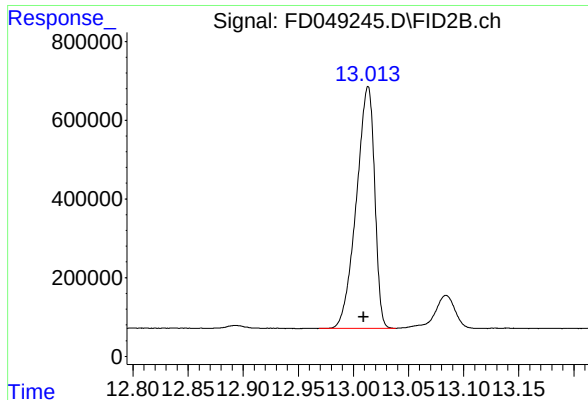
#11 ortho-Terphenyl (SURR)

R.T.: 11.662 min
Delta R.T.: 0.000 min
Response: 7620194
Conc: 43.25 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.714 min
Delta R.T.: 0.003 min
Response: 7456808
Conc: 44.12 ug/ml



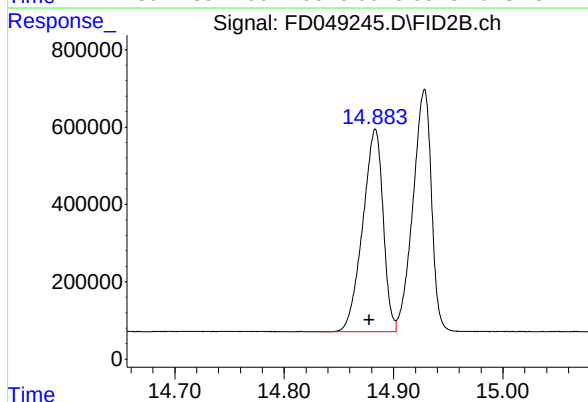
#13 Pyrene (C20.8)

R.T.: 13.013 min
Delta R.T.: 0.004 min
Response: 7098733
Conc: 42.33 ug/ml

Instrument :
FID_D
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PB167513BSD

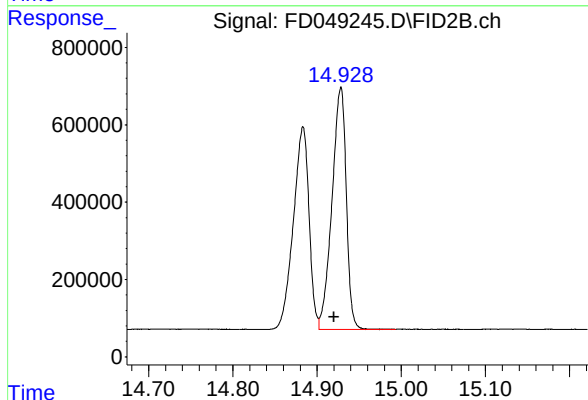
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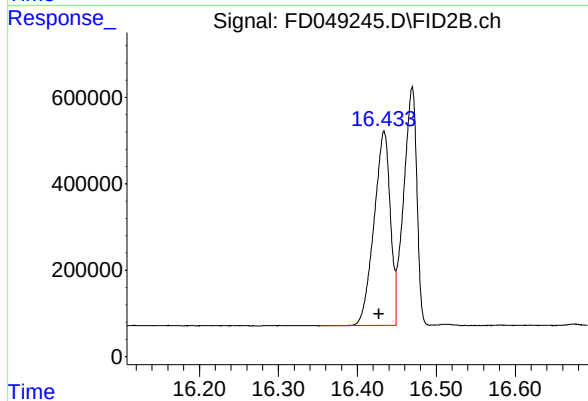
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.883 min
Delta R.T.: 0.006 min
Response: 6788724
Conc: 47.23 ug/ml



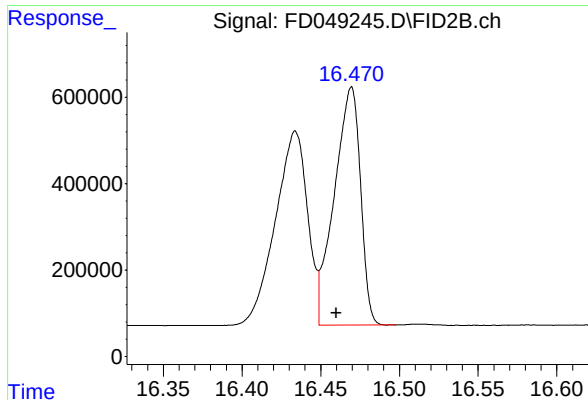
#15 Chrysene (C27.41)

R.T.: 14.928 min
Delta R.T.: 0.008 min
Response: 7383363
Conc: 51.17 ug/ml



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

R.T.: 16.434 min
Delta R.T.: 0.007 min
Response: 6432569
Conc: 46.24 ug/ml



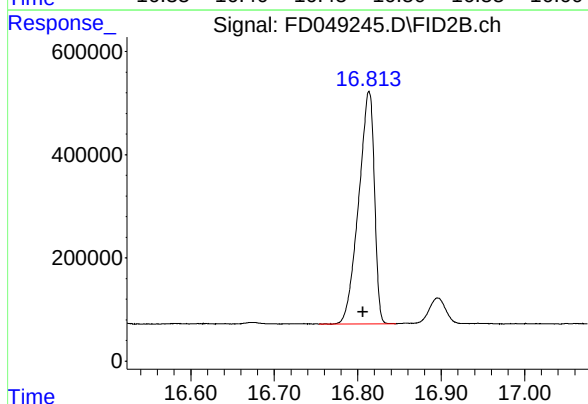
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.470 min
Delta R.T.: 0.010 min
Response: 6379706
Conc: 46.65 ug/ml

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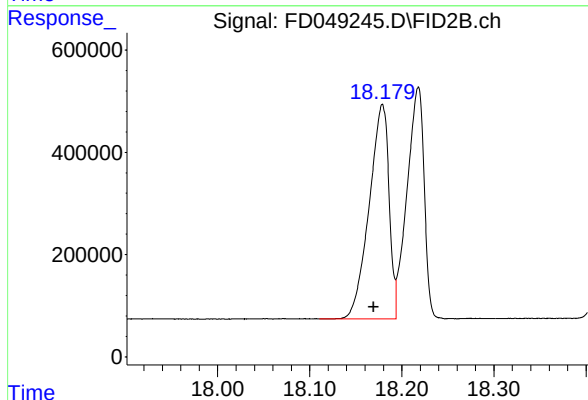
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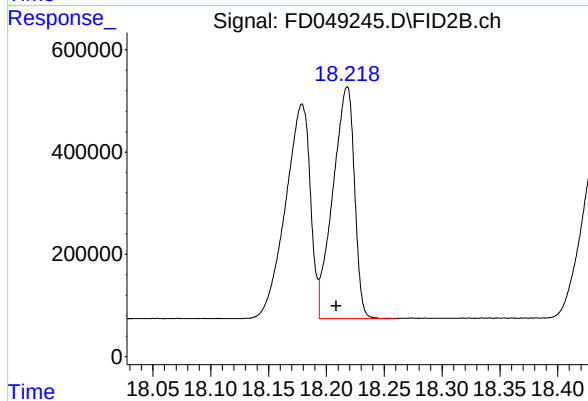
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.814 min
Delta R.T.: 0.007 min
Response: 5903886
Conc: 45.40 ug/ml



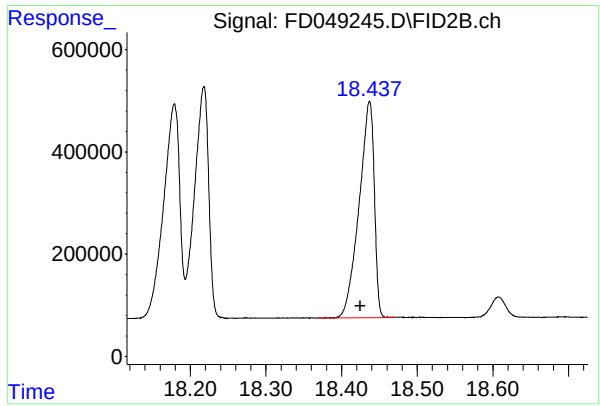
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.179 min
Delta R.T.: 0.010 min
Response: 6271969
Conc: 50.88 ug/ml



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

R.T.: 18.218 min
Delta R.T.: 0.009 min
Response: 5865081
Conc: 46.38 ug/ml



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

R.T.: 18.437 min
Delta R.T.: 0.012 min
Response: 5907837
Conc: 45.25 ug/ml

Instrument :

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