

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052324AR\
 Data File : FD047849.D
 Signal(s) : FID2B.ch
 Acq On : 24 May 2024 08:21
 Operator : YP/AJ
 Sample : P2560-10MSD
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

INT-PE2MSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/26/2024

Supervised By :Ankita Jodhani 05/28/2024

Integration File: autoint1.e

Quant Time: May 24 23:48:33 2024

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M

Quant Title : GC Extractables

QLast Update : Tue May 21 19:00:48 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...	7.451	7975025	56.806 ug/mlm
Spiked Amount 50.000		Recovery =	113.61%
6) S 2-Fluorobiphenyl (SURR)	8.307	5396883	58.274 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	116.55%
11) S ortho-Terphenyl (SURR)	11.380	14242370	89.078 ug/mlm
Spiked Amount 50.000		Recovery =	178.16%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.261	5287539	33.478 ug/ml
2) T Naphthalene (C11.7)	5.787	6638935	40.673 ug/ml
3) T 2-Methylnaphthalene (...)	6.838	7638694	46.357 ug/mlm
5) T Acenaphthylene (C15.06)	8.111	8418421	51.506 ug/mlm
7) T Acenaphthene (C15.5)	8.407	8318982	50.949 ug/mlm
8) T Flouorene (C16.55)	9.194	11268837	71.632 ug/mlm
9) T Phenanthrene (C19.36)	10.609	22008386	142.720 ug/mlm
10) T Anthracene (C19.43)	10.684	11260178	74.901 ug/mlm
12) T Fluoranthene (C21.85)	12.389	3174601	20.919 ug/mlm
13) T Pyrene (C20.8)	12.676	1573964	10.441 ug/mlm
14) T Benzo[a]anthracene (C...	14.568	12346493	90.065 ug/mlm
15) T Chrysene (C27.41)	14.613	11667951	79.202 ug/mlm
16) T benzo[b]fluoranthene ...	16.110	12855256	91.339 ug/ml
17) T Bnezo[k]fluoranthene ...	16.141	8940789	65.655 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.485	10582686	76.455 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.847	9785684	84.885 ug/ml
20) T Dibenz[a,h]anthracene...	17.883	7468563	56.009 ug/ml
21) T Benzo[g,h,i]perylene ...	18.101	8561735	64.380 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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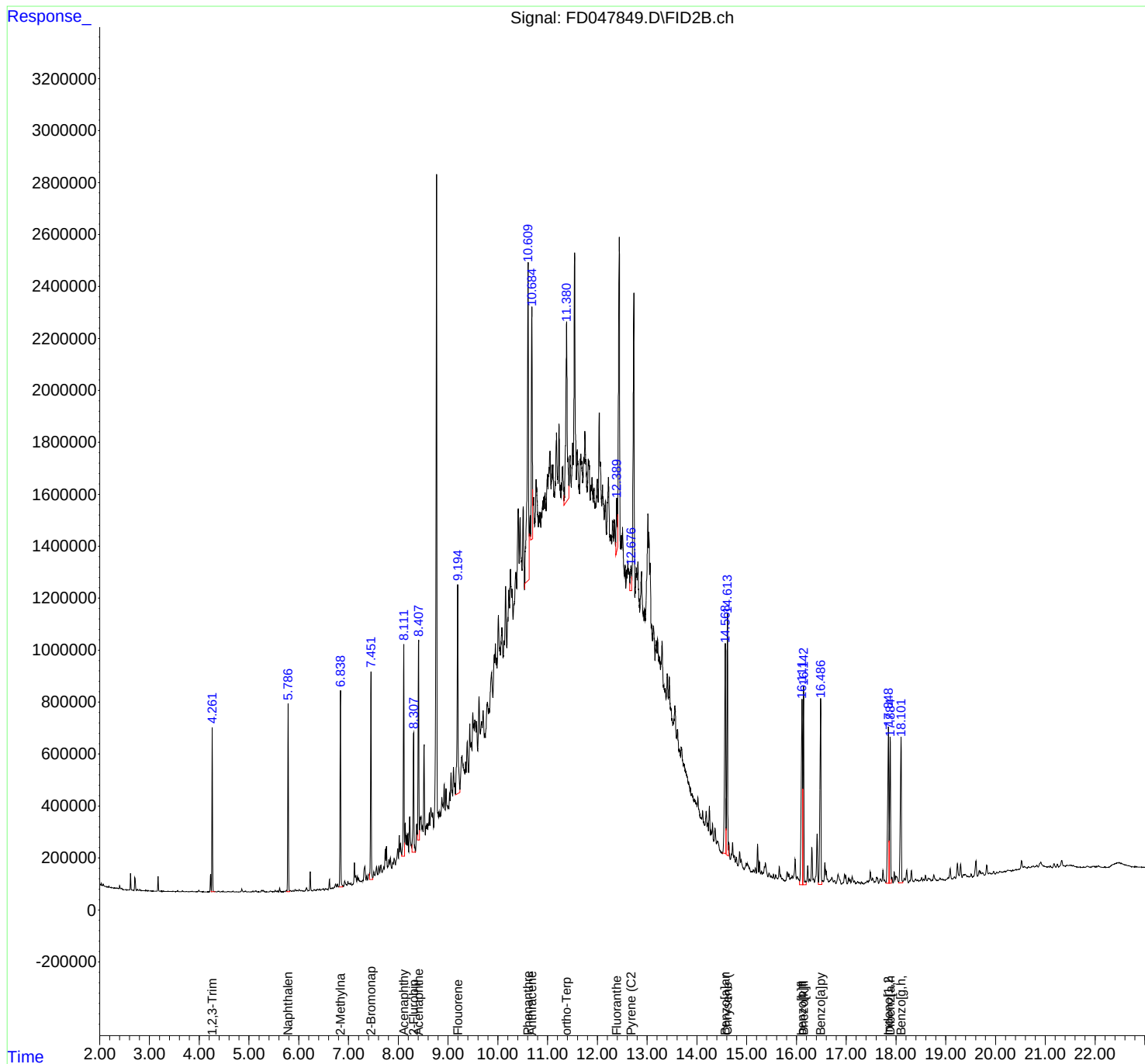
Response via : Initial Calibration

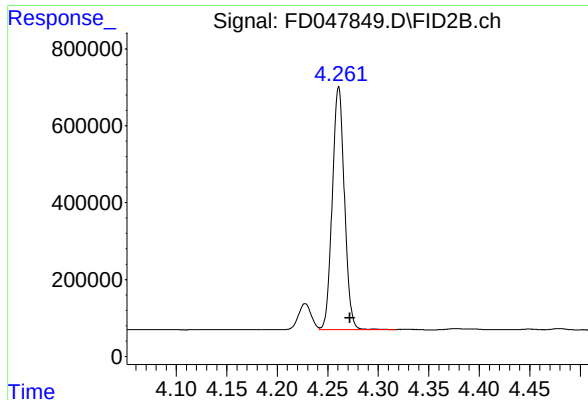
Integrator: ChemStation

Volume Inj. : 1 µl

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Signal Info : 20M x 0.18mm x 0.18µm





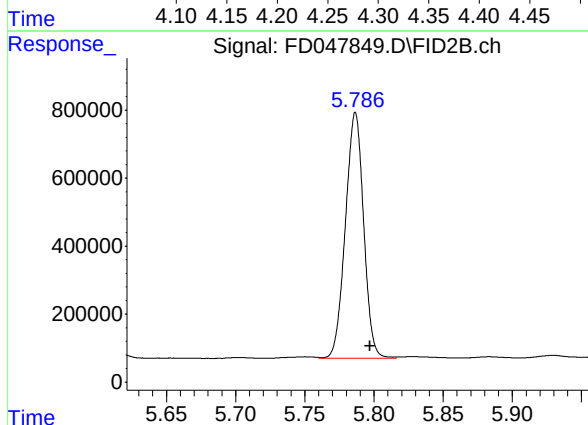
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.261 min
Delta R.T.: -0.011 min
Response: 5287539
Conc: 33.48 ug/ml

Instrument :
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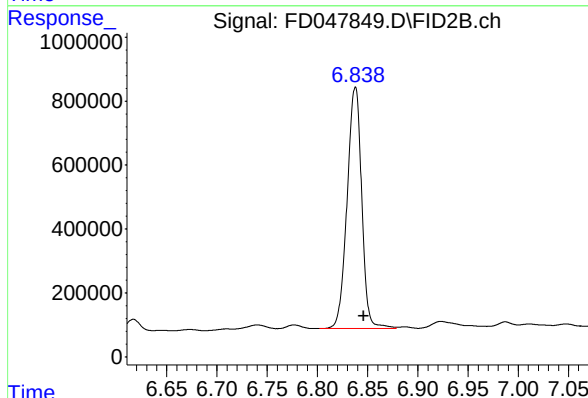
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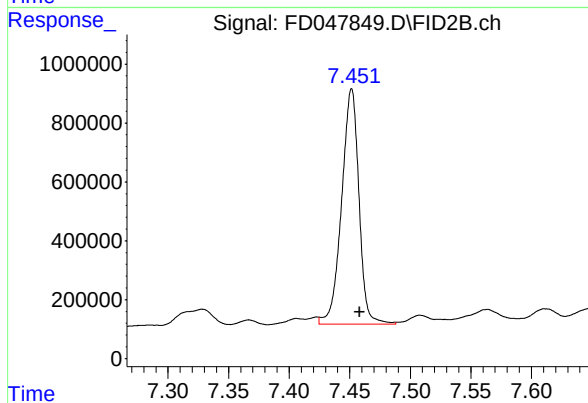
#2 Naphthalene (C11.7)

R.T.: 5.787 min
Delta R.T.: -0.011 min
Response: 6638935
Conc: 40.67 ug/ml



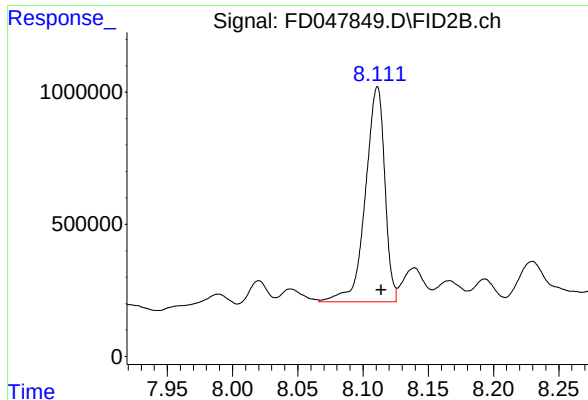
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.838 min
Delta R.T.: -0.008 min
Response: 7638694
Conc: 46.36 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.451 min
Delta R.T.: -0.007 min
Response: 7975025
Conc: 56.81 ug/ml m



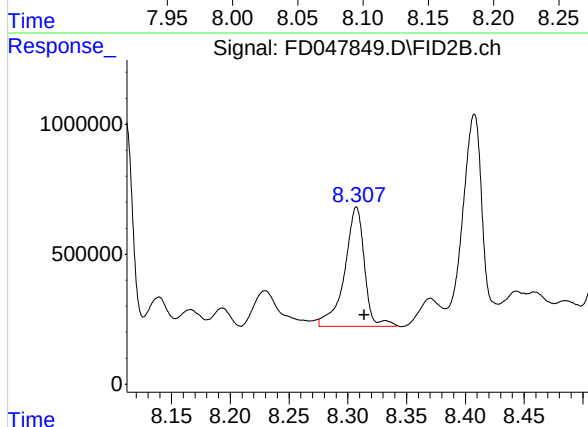
#5 Acenaphthylene (C15.06)

R.T.: 8.111 min
Delta R.T.: -0.003 min
Response: 8418421
Conc: 51.51 ug/ml

Instrument :
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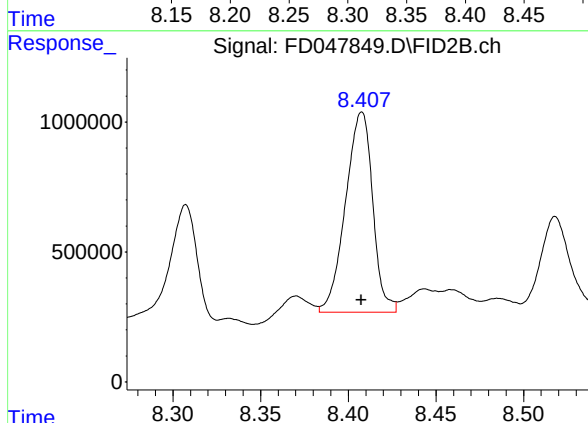
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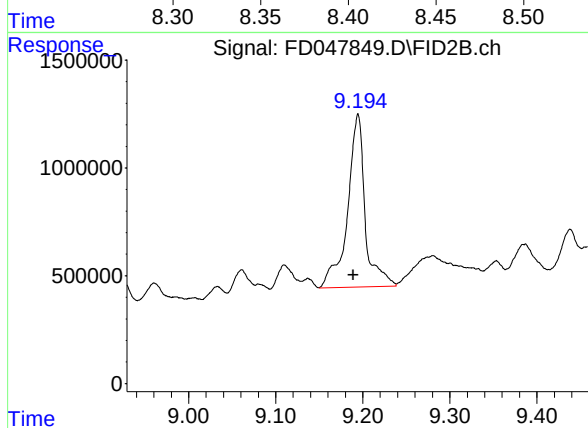
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.307 min
Delta R.T.: -0.007 min
Response: 5396883
Conc: 58.27 ug/ml m



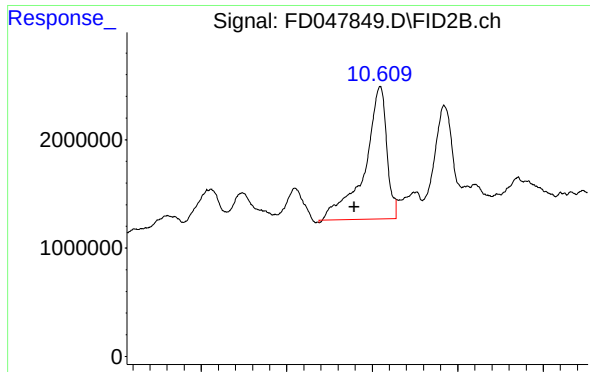
#7 Acenaphthene (C15.5)

R.T.: 8.407 min
Delta R.T.: 0.000 min
Response: 8318982
Conc: 50.95 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.194 min
Delta R.T.: 0.005 min
Response: 11268837
Conc: 71.63 ug/ml m



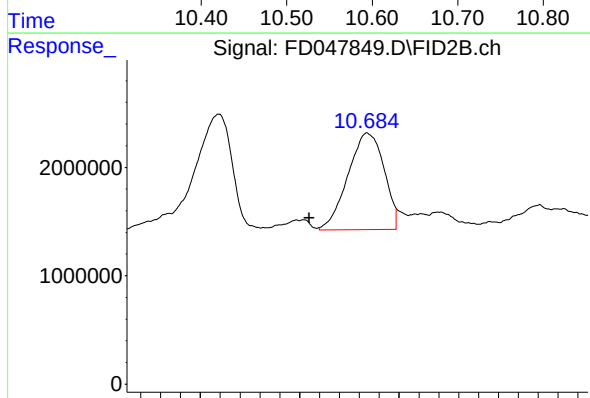
#9 Phenanthrene (C19.36)

R.T.: 10.609 min
Delta R.T.: 0.030 min
Response: 22008386
Conc: 142.72 ug/ml

Instrument :
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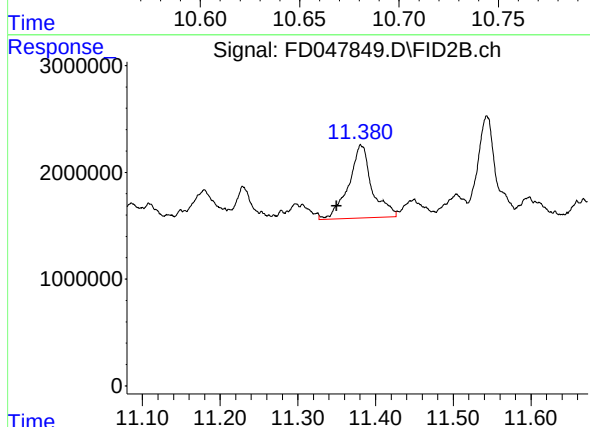
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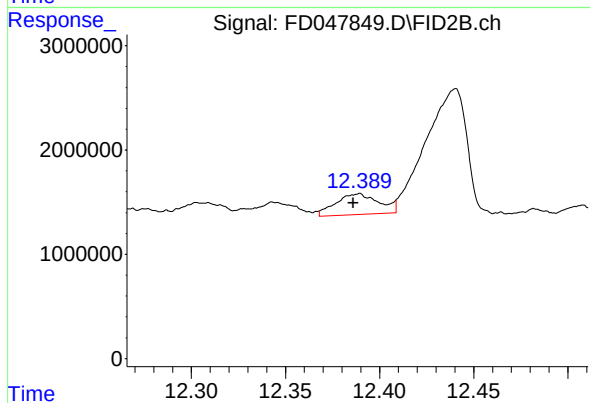
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: 0.029 min
Response: 11260178
Conc: 74.90 ug/ml



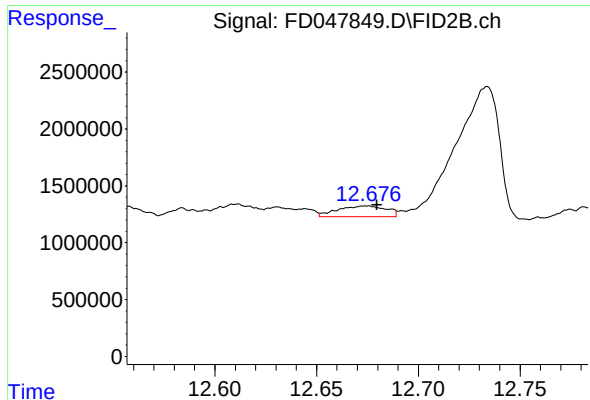
#11 ortho-Terphenyl (SURR)

R.T.: 11.380 min
Delta R.T.: 0.030 min
Response: 14242370
Conc: 89.08 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.389 min
Delta R.T.: 0.003 min
Response: 3174601
Conc: 20.92 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.676 min
Delta R.T.: -0.004 min
Response: 1573964
Conc: 10.44 ug/ml

Instrument :

FID_D

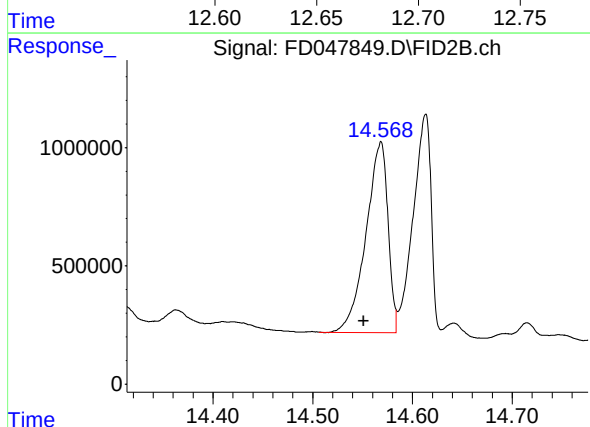
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INT-PE2MSD

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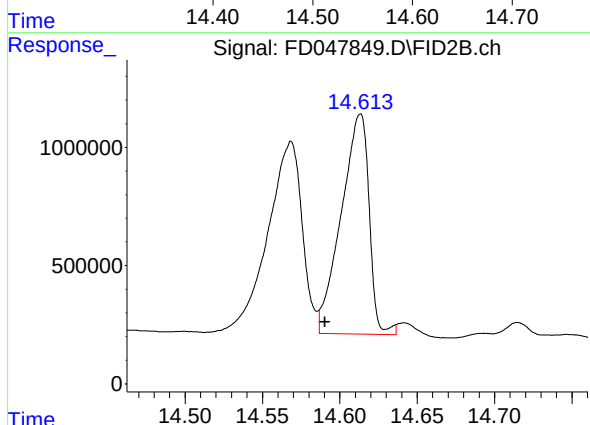
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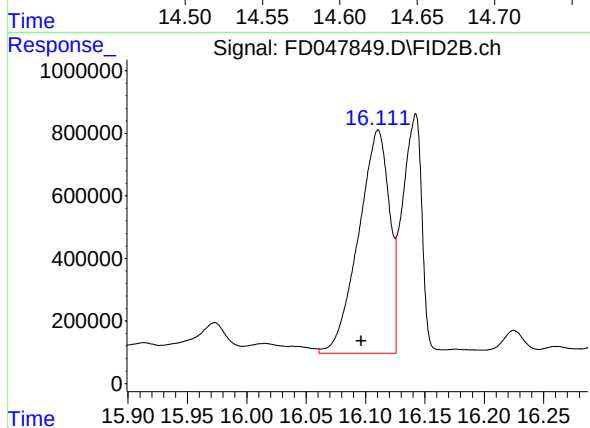
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.568 min
Delta R.T.: 0.017 min
Response: 12346493
Conc: 90.07 ug/ml m



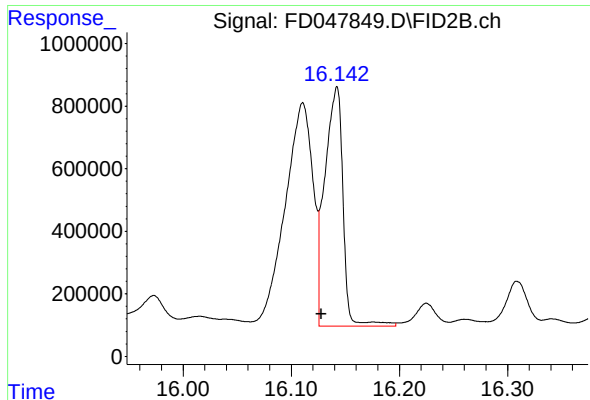
#15 Chrysene (C27.41)

R.T.: 14.613 min
Delta R.T.: 0.023 min
Response: 11667951
Conc: 79.20 ug/ml m



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

R.T.: 16.110 min
Delta R.T.: 0.014 min
Response: 12855256
Conc: 91.34 ug/ml



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

R.T.: 16.141 min
Delta R.T.: 0.013 min
Response: 8940789
Conc: 65.65 ug/ml

Instrument :

FID_D

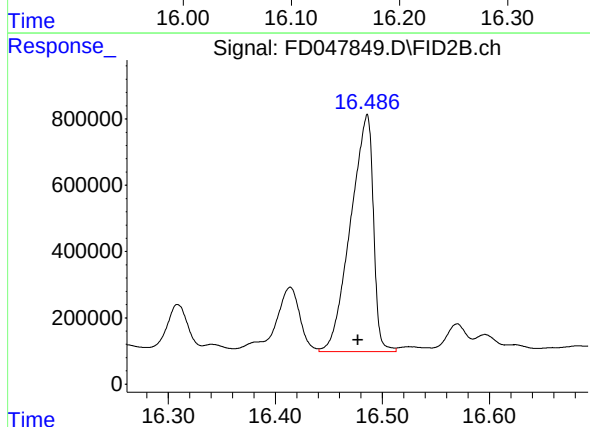
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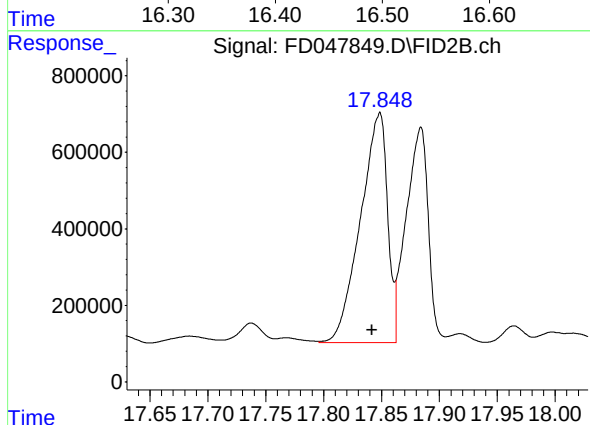
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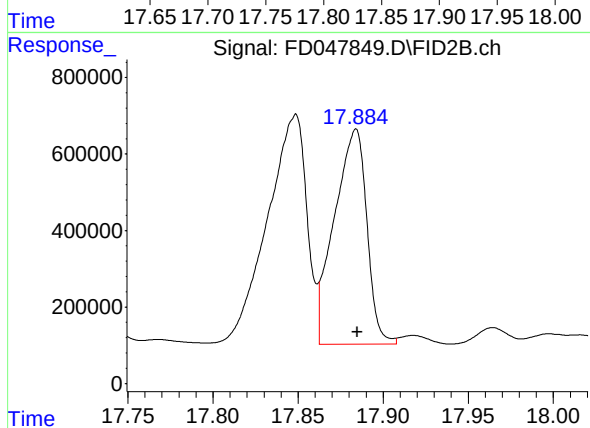
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: 0.007 min
Response: 10582686
Conc: 76.46 ug/ml



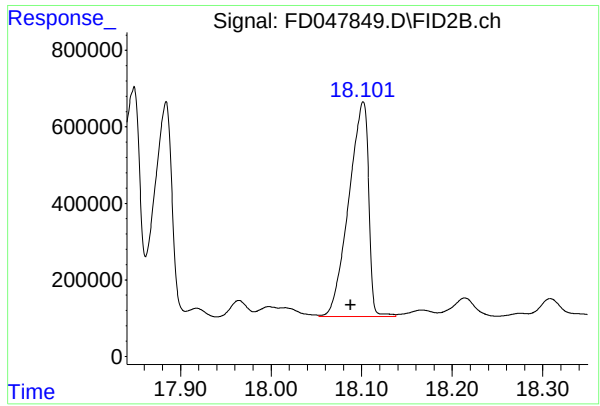
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.847 min
Delta R.T.: 0.006 min
Response: 9785684
Conc: 84.89 ug/ml



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

R.T.: 17.883 min
Delta R.T.: -0.002 min
Response: 7468563
Conc: 56.01 ug/ml



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

R.T.: 18.101 min
Delta R.T.: 0.012 min
Response: 8561735
Conc: 64.38 ug/ml

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