

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
 Data File : FD048970.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jan 2025 17:31
 Operator : YP/AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 07:58:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 03:38:15 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...	7.357	6844004	48.088 ug/ml
Spiked Amount 50.000		Recovery =	96.18%
6) S 2-Fluorobiphenyl (SURR)	8.208	4382172	51.502 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	103.00%
11) S ortho-Terphenyl (SURR)	11.242	6447442	39.206 ug/ml
Spiked Amount 50.000		Recovery =	78.41%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	281085	1.823 ug/ml
2) T Naphthalene (C11.7)	5.721	275393	1.762 ug/ml
3) T 2-Methylnaphthalene (...)	6.773	283939	1.830 ug/ml
5) T Acenaphthylene (C15.06)	8.022	319782	1.955 ug/ml
7) T Acenaphthene (C15.5)	8.307	465796	2.773 ug/ml
8) T Flouorene (C16.55)	9.113	325776	2.083 ug/mlm
9) T Phenanthrene (C19.36)	10.504	267072	1.754 ug/ml
10) T Anthracene (C19.43)	10.504	267072	1.753 ug/ml
12) T Fluoranthene (C21.85)	12.250	50720	0.322 ug/ml
13) T Pyrene (C20.8)	12.604	234556	1.489 ug/ml
14) T Benzo[a]anthracene (C...	14.504	79277	0.616 ug/ml
15) T Chrysene (C27.41)	14.534	431861	2.554 ug/ml
16) T benzo[b]fluoranthene ...	16.046	164292	1.202 ug/ml
17) T Bnezo[k]fluoranthene ...	16.083	352505	2.177 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.457	102490	0.736 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.834	109607	1.051 ug/mlm
20) T Dibenz[a,h]anthracene...	17.896	125275	0.878 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.044	193795	1.359 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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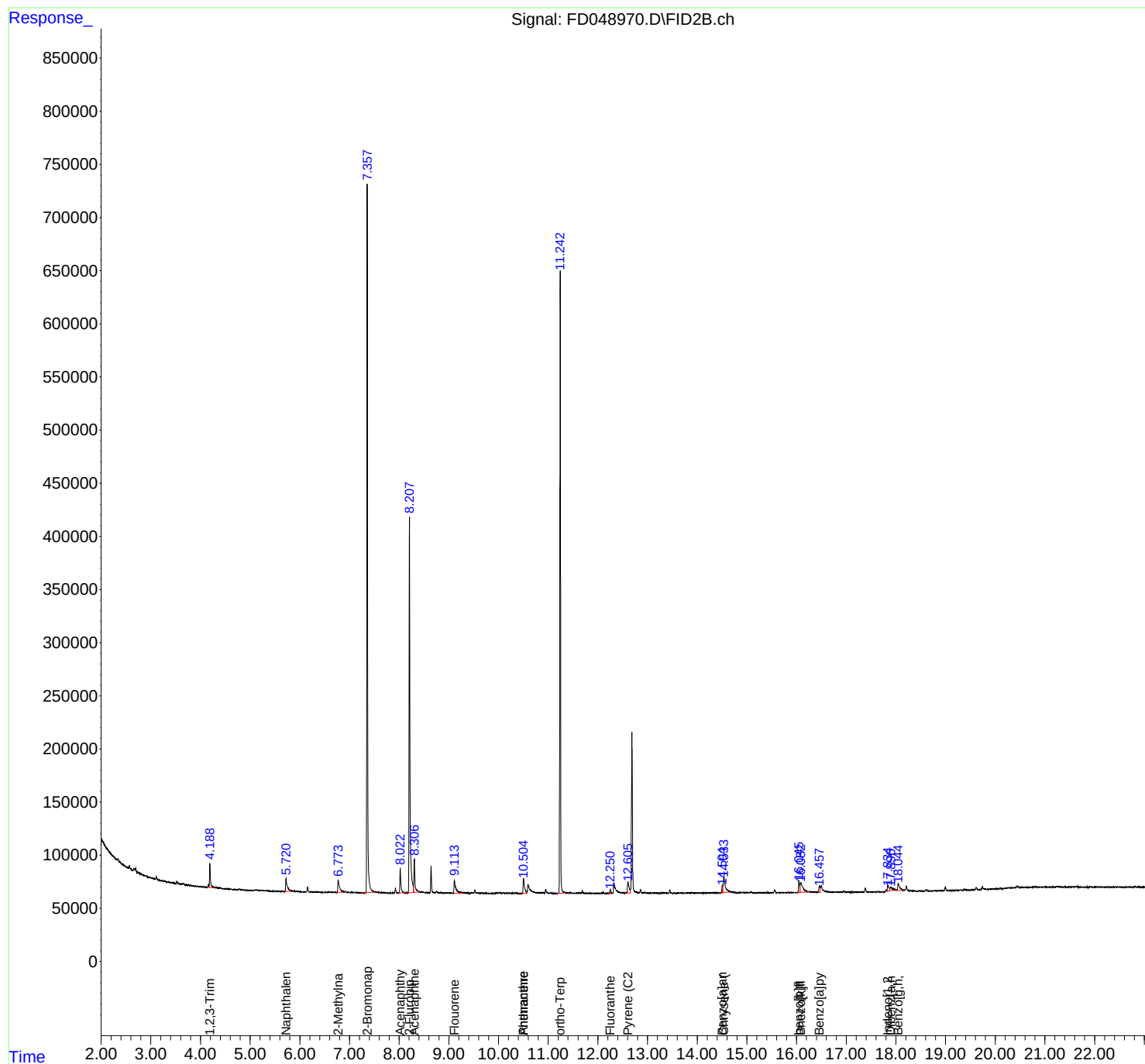
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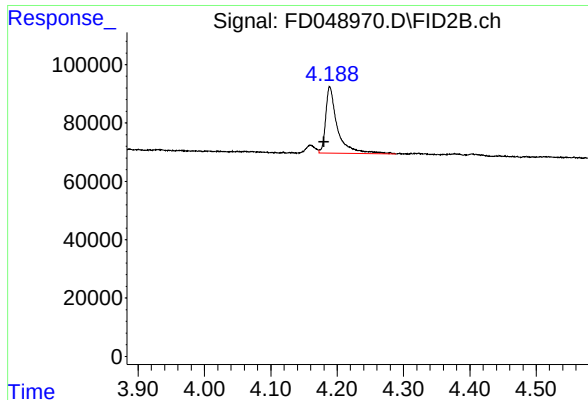
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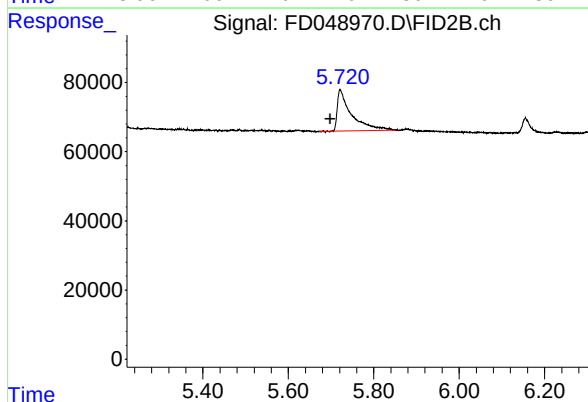
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.189 min
Delta R.T.: 0.009 min
Response: 281085
Conc: 1.82 ug/ml

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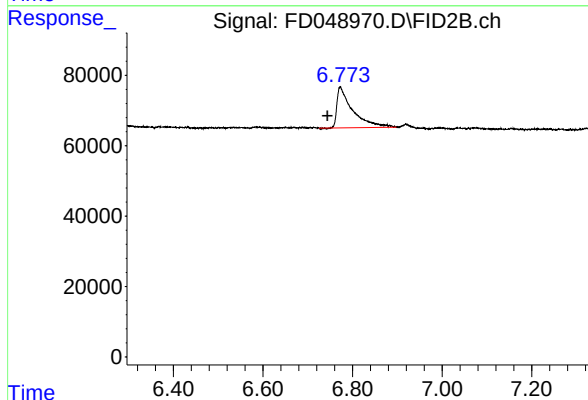
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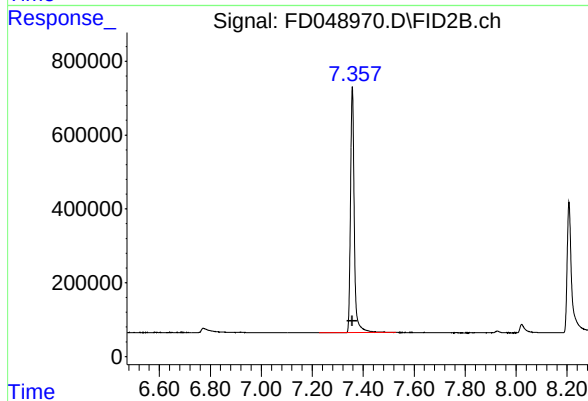
#2 Naphthalene (C11.7)

R.T.: 5.721 min
Delta R.T.: 0.023 min
Response: 275393
Conc: 1.76 ug/ml



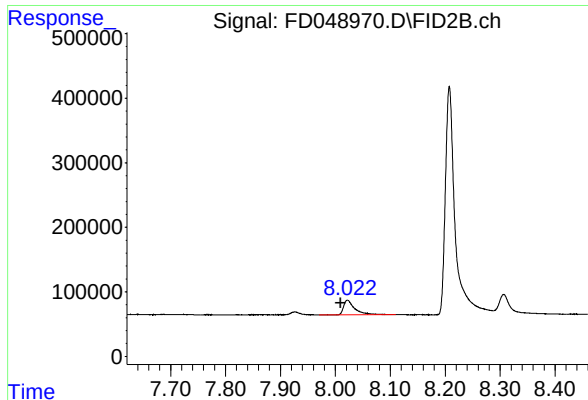
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.773 min
Delta R.T.: 0.028 min
Response: 283939
Conc: 1.83 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 6844004
Conc: 48.09 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.022 min
Delta R.T.: 0.013 min
Response: 319782
Conc: 1.96 ug/ml

Instrument :

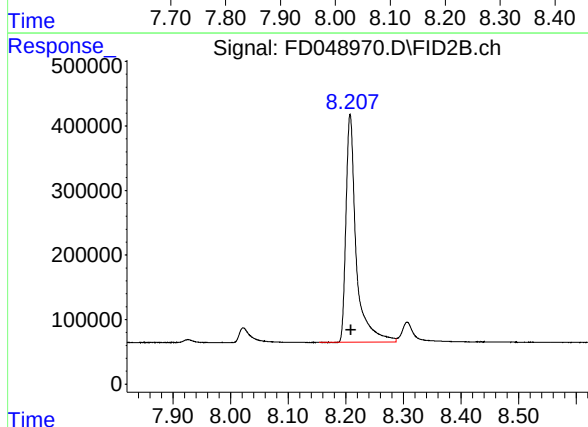
FID_D

ClientSampleId :

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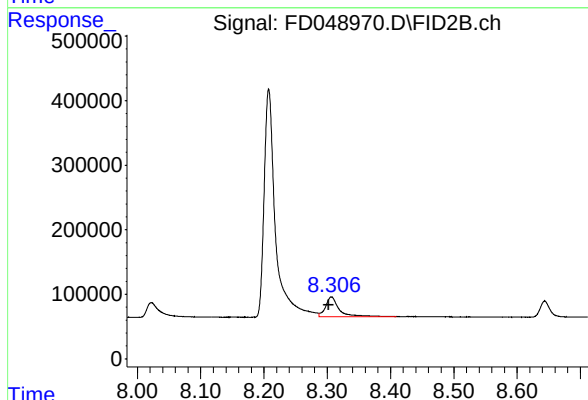
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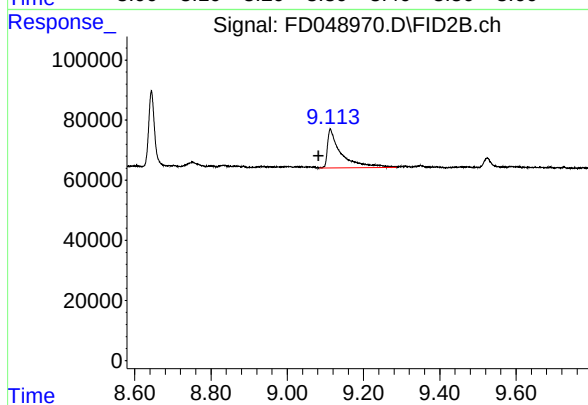
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4382172
Conc: 51.50 ug/ml



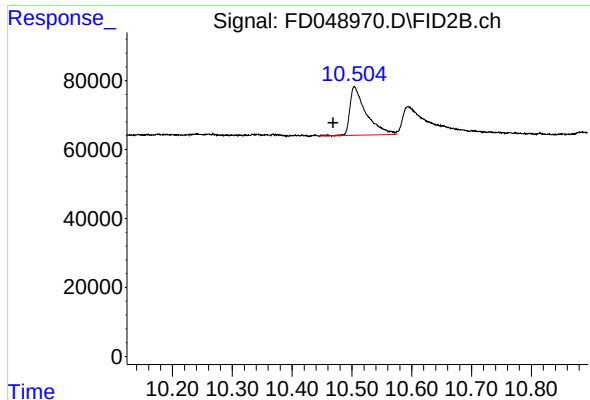
#7 Acenaphthene (C15.5)

R.T.: 8.307 min
Delta R.T.: 0.004 min
Response: 465796
Conc: 2.77 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.113 min
Delta R.T.: 0.030 min
Response: 325776
Conc: 2.08 ug/ml m



#9 Phenanthrene (C19.36)

R.T.: 10.504 min
Delta R.T.: 0.036 min
Response: 267072
Conc: 1.75 ug/ml

Instrument :

FID_D

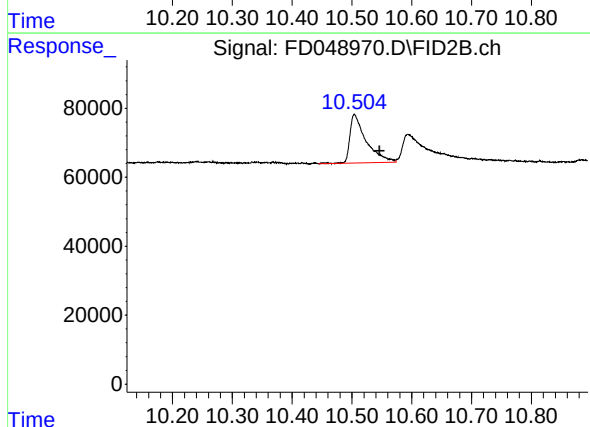
ClientSampleId :

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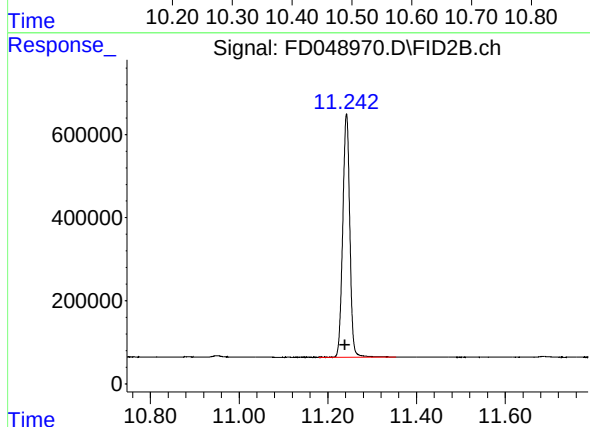
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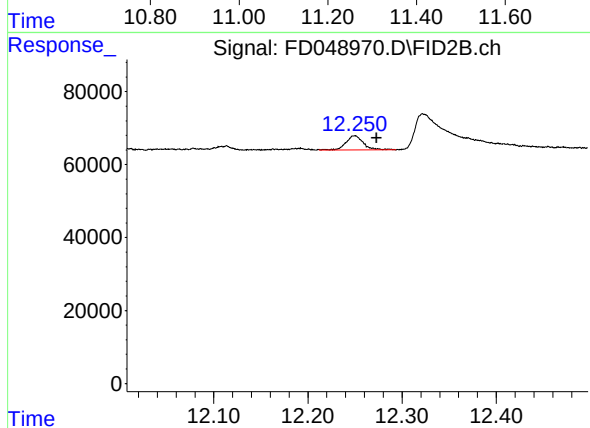
#10 Anthracene (C19.43)

R.T.: 10.504 min
Delta R.T.: -0.042 min
Response: 267072
Conc: 1.75 ug/ml



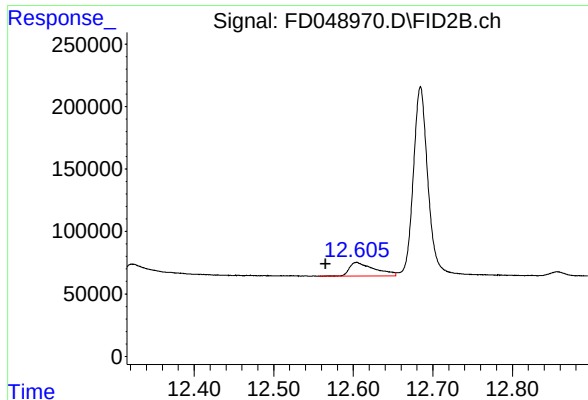
#11 ortho-Terphenyl (SURR)

R.T.: 11.242 min
Delta R.T.: 0.003 min
Response: 6447442
Conc: 39.21 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.250 min
Delta R.T.: -0.023 min
Response: 50720
Conc: 0.32 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.604 min
Delta R.T.: 0.039 min
Response: 234556
Conc: 1.49 ug/ml

Instrument :

FID_D

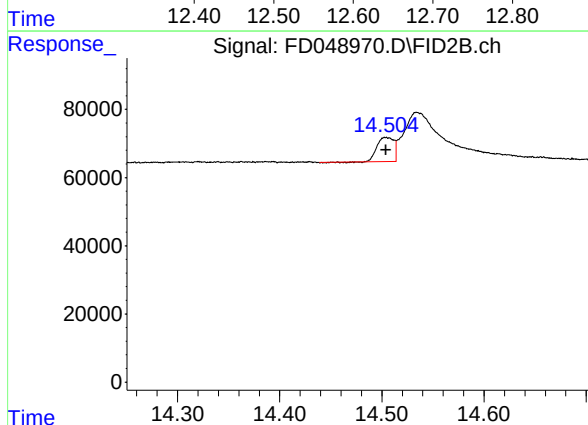
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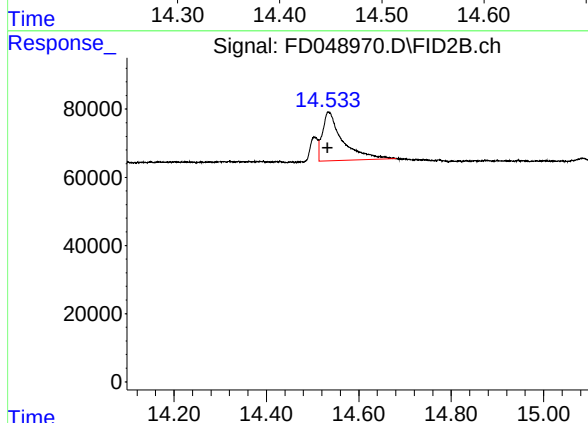
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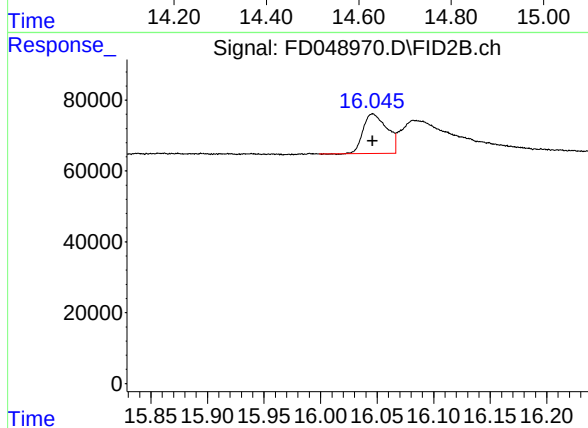
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.504 min
Delta R.T.: 0.000 min
Response: 79277
Conc: 0.62 ug/ml



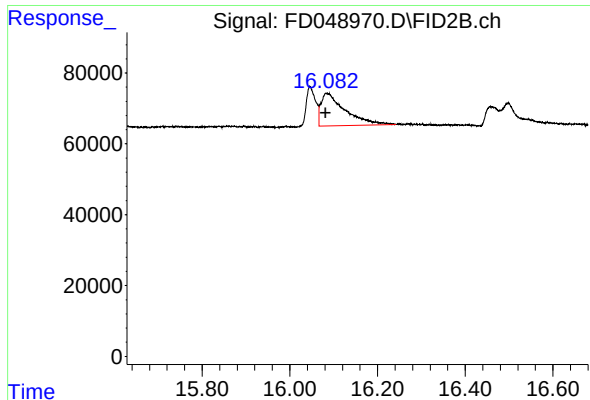
#15 Chrysene (C27.41)

R.T.: 14.534 min
Delta R.T.: 0.001 min
Response: 431861
Conc: 2.55 ug/ml



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

R.T.: 16.046 min
Delta R.T.: 0.000 min
Response: 164292
Conc: 1.20 ug/ml



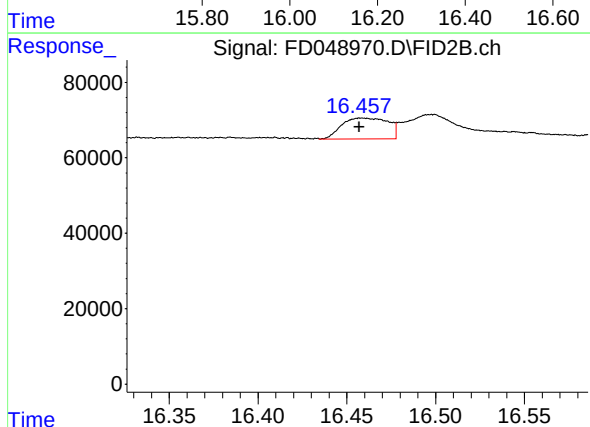
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.083 min
Delta R.T.: 0.000 min
Response: 352505
Conc: 2.18 ug/ml

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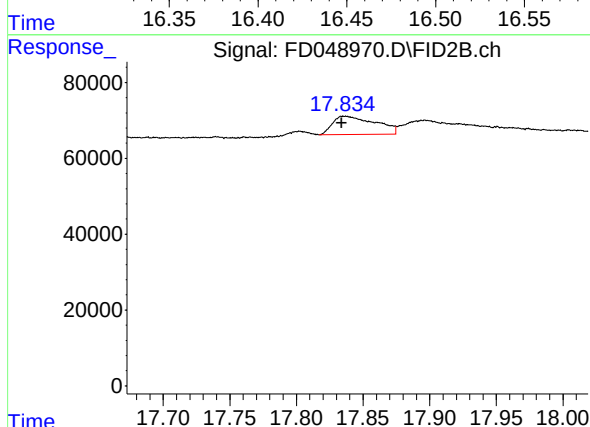
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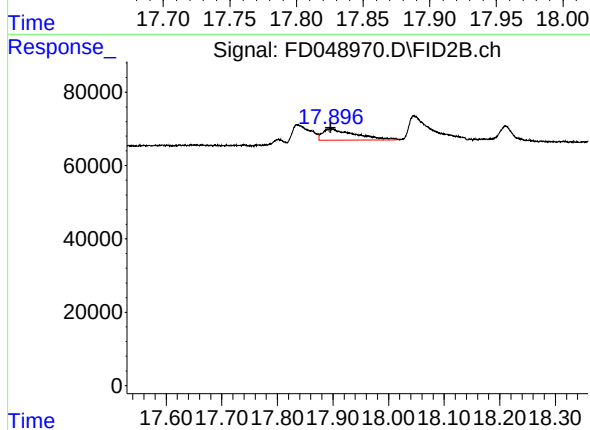
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.457 min
Delta R.T.: 0.000 min
Response: 102490
Conc: 0.74 ug/ml m



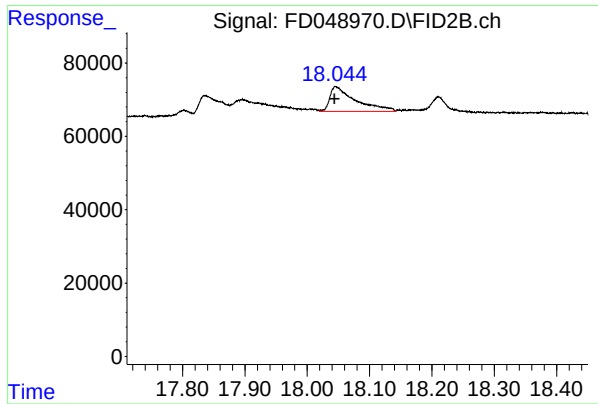
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.834 min
Delta R.T.: 0.000 min
Response: 109607
Conc: 1.05 ug/ml m



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

R.T.: 17.896 min
Delta R.T.: 0.000 min
Response: 125275
Conc: 0.88 ug/ml m



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

R.T.: 18.044 min
Delta R.T.: 0.000 min
Response: 193795
Conc: 1.36 ug/ml

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