

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101124AR\
 Data File : FD048456.D
 Signal(s) : FID2B.ch
 Acq On : 11 Oct 2024 17:15
 Operator : YP/AJ
 Sample : P4368-07
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/14/2024
 Supervised By :Ankita Jodhani 10/14/2024

Integration File: autoint1.e
 Quant Time: Oct 14 04:57:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.380	8729625	52.725 ug/ml
Spiked Amount 50.000		Recovery =	105.45%
6) S 2-Fluorobiphenyl (SURR)	8.229	5198561	50.129 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	100.26%
11) S ortho-Terphenyl (SURR)	11.266	7950442	43.210 ug/ml
Spiked Amount 50.000		Recovery =	86.42%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.207	337977	1.928 ug/ml
2) T Naphthalene (C11.7)	5.731	357103	1.913 ug/mlm
3) T 2-Methylnaphthalene (...)	6.780	397761	2.105 ug/ml
5) T Acenaphthylene (C15.06)	8.037	407382	2.124 ug/ml
7) T Acenaphthene (C15.5)	8.328	450911	2.384 ug/ml
8) T Fluorene (C16.55)	9.119	375238	2.077 ug/ml
9) T Phenanthrene (C19.36)	10.504	349178	1.970 ug/mlm
10) T Anthracene (C19.43)	10.586	390492	2.194 ug/mlm
12) T Fluoranthene (C21.85)	12.312	372600	2.060 ug/ml
13) T Pyrene (C20.8)	12.602	355168	1.983 ug/ml
14) T Benzo[a]anthracene (C...	14.484	194510	1.217 ug/ml
15) T Chrysene (C27.41)	14.516	362873	1.945 ug/mlm
16) T benzo[b]fluoranthene ...	16.025	255894	1.537 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.060	386595	2.277 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.421	277629	1.699 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.795	217908	1.657 ug/ml
20) T Dibenz[a,h]anthracene...	17.849	284854	1.702 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.022	292689	1.802 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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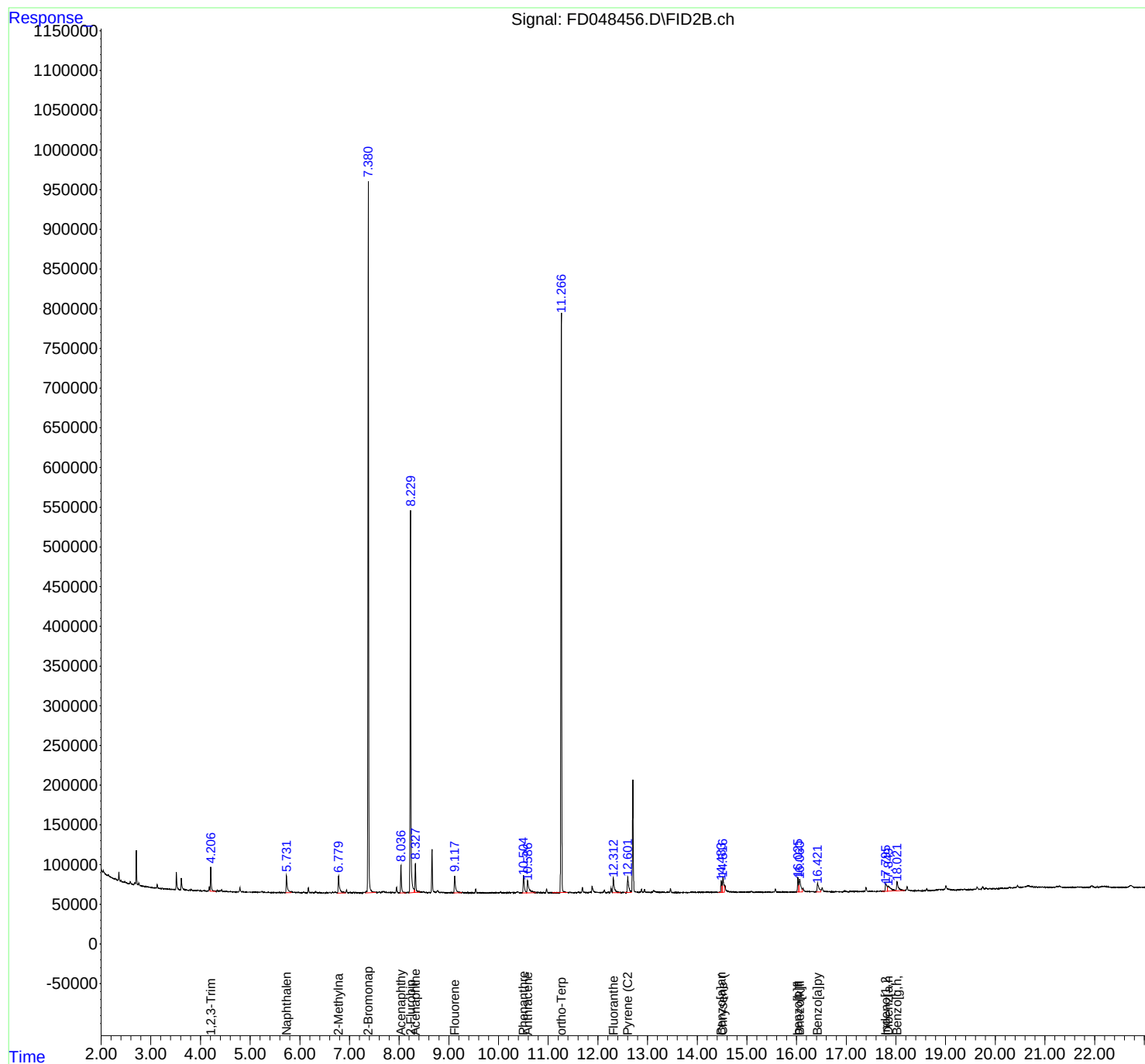
Instrument :
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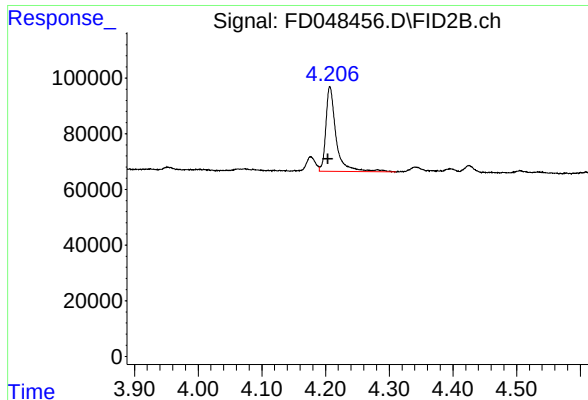
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.207 min
Delta R.T.: 0.003 min
Response: 337977
Conc: 1.93 ug/ml

Instrument :

FID_D

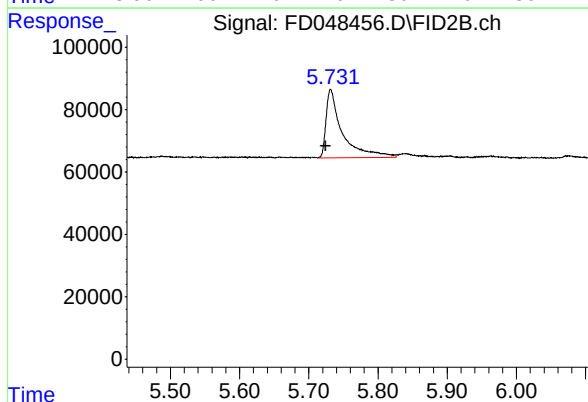
ClientSampleId :

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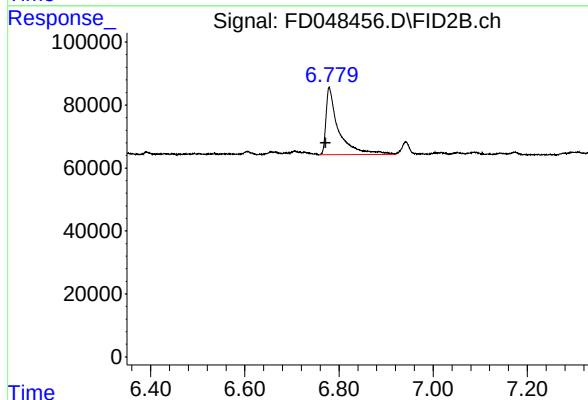
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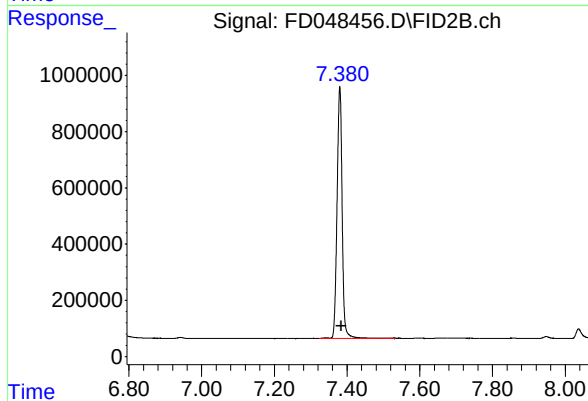
#2 Naphthalene (C11.7)

R.T.: 5.731 min
Delta R.T.: 0.006 min
Response: 357103
Conc: 1.91 ug/ml m



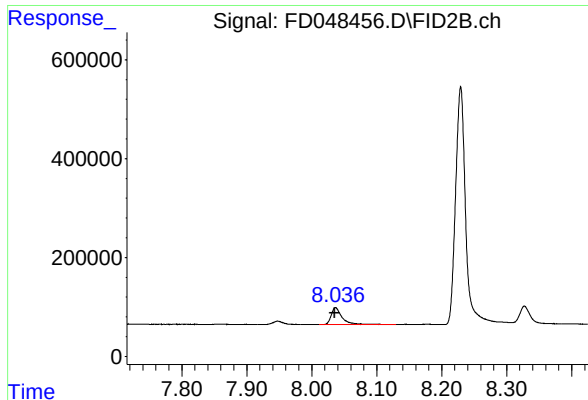
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.780 min
Delta R.T.: 0.008 min
Response: 397761
Conc: 2.10 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.380 min
Delta R.T.: -0.004 min
Response: 8729625
Conc: 52.73 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.037 min
Delta R.T.: 0.002 min
Response: 407382
Conc: 2.12 ug/ml

Instrument :

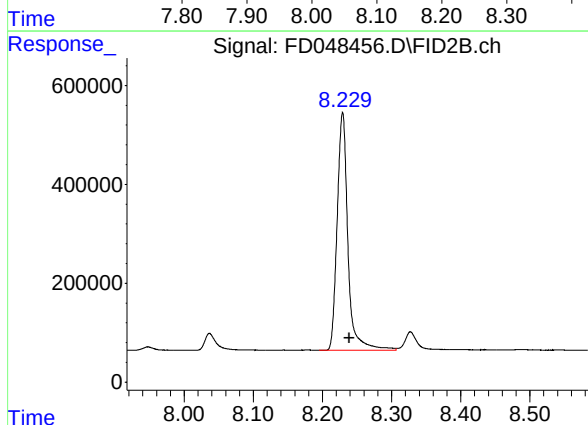
FID_D

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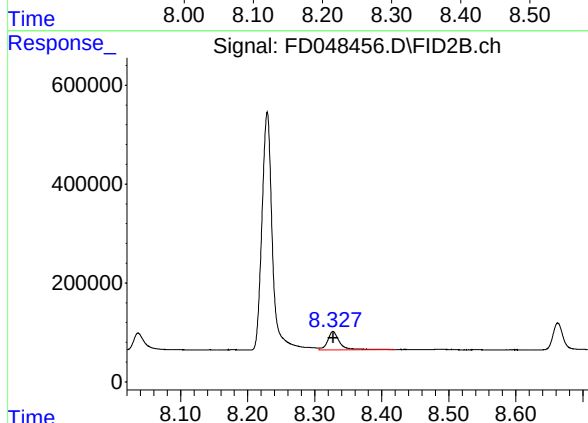
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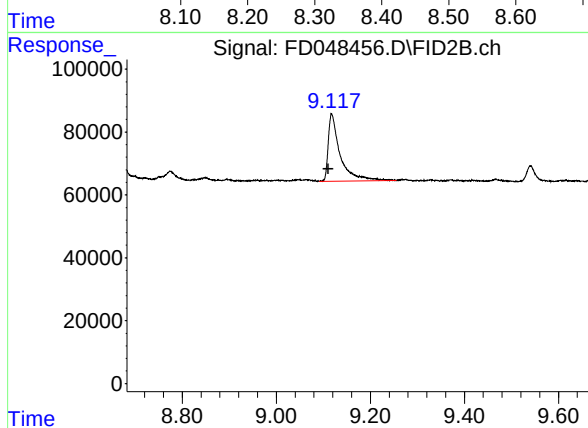
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.229 min
Delta R.T.: -0.010 min
Response: 5198561
Conc: 50.13 ug/ml



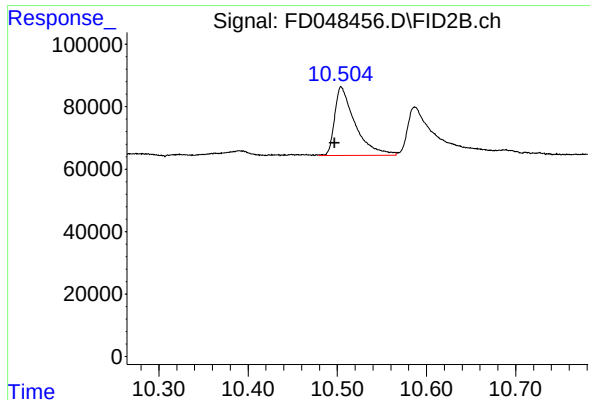
#7 Acenaphthene (C15.5)

R.T.: 8.328 min
Delta R.T.: 0.000 min
Response: 450911
Conc: 2.38 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.119 min
Delta R.T.: 0.008 min
Response: 375238
Conc: 2.08 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.504 min
Delta R.T.: 0.007 min
Response: 349178
Conc: 1.97 ug/ml

Instrument :

FID_D

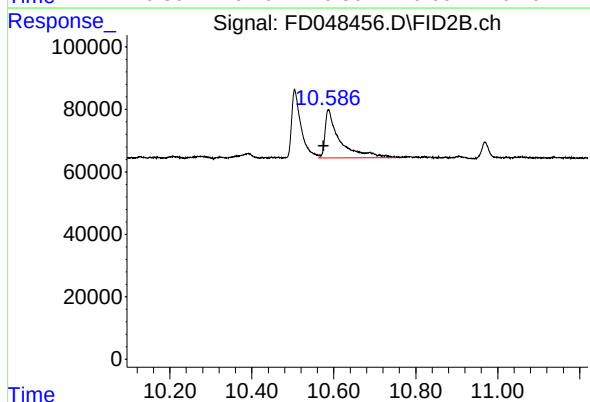
ClientSampleId :

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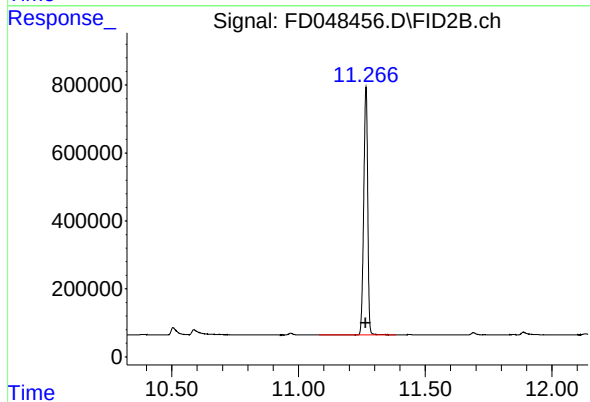
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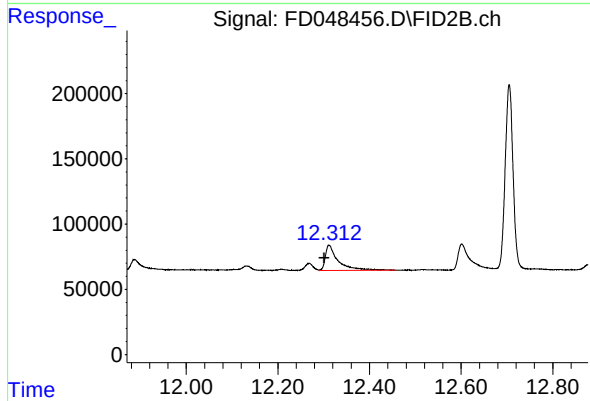
#10 Anthracene (C19.43)

R.T.: 10.586 min
Delta R.T.: 0.011 min
Response: 390492
Conc: 2.19 ug/ml m



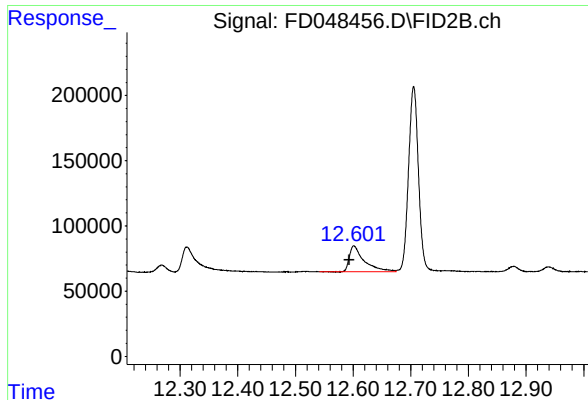
#11 ortho-Terphenyl (SURR)

R.T.: 11.266 min
Delta R.T.: 0.000 min
Response: 7950442
Conc: 43.21 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.312 min
Delta R.T.: 0.011 min
Response: 372600
Conc: 2.06 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.602 min
Delta R.T.: 0.009 min
Response: 355168
Conc: 1.98 ug/ml

Instrument :

FID_D

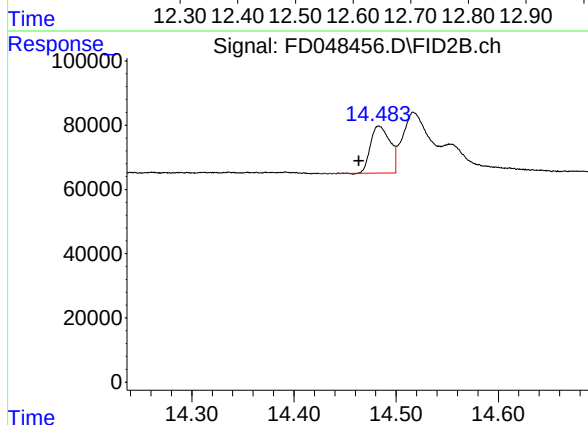
ClientSampleId :

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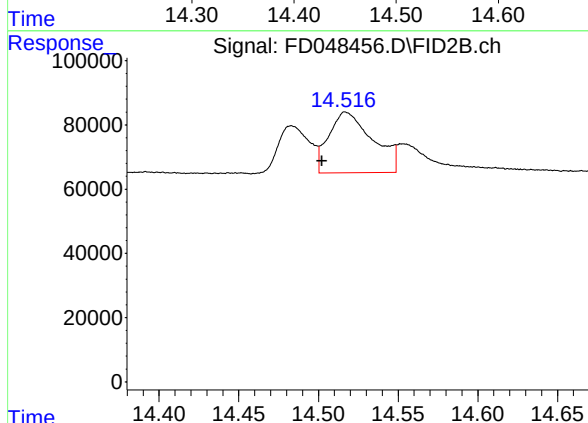
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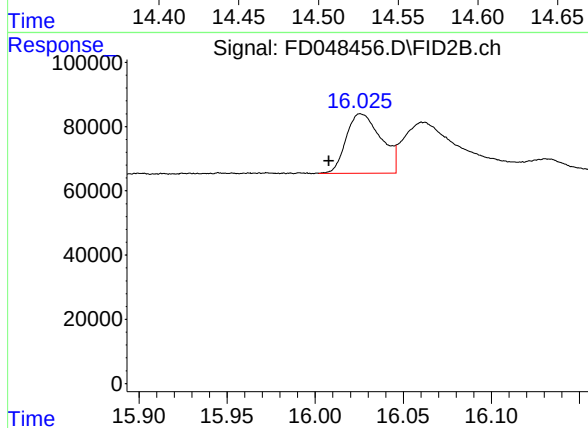
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.484 min
Delta R.T.: 0.020 min
Response: 194510
Conc: 1.22 ug/ml



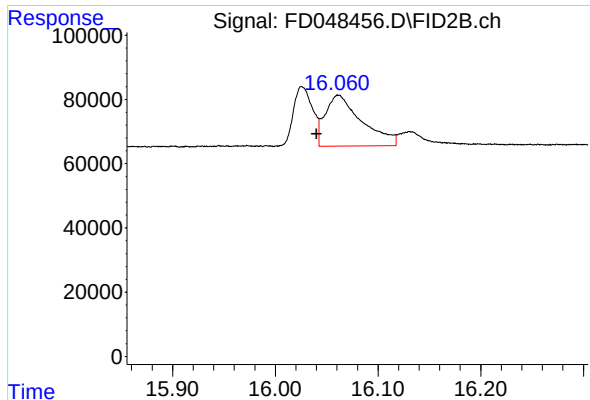
#15 Chrysene (C27.41)

R.T.: 14.516 min
Delta R.T.: 0.013 min
Response: 362873
Conc: 1.95 ug/ml m



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

R.T.: 16.025 min
Delta R.T.: 0.017 min
Response: 255894
Conc: 1.54 ug/ml m



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

R.T.: 16.060 min
Delta R.T.: 0.020 min
Response: 386595
Conc: 2.28 ug/ml

Instrument :

FID_D

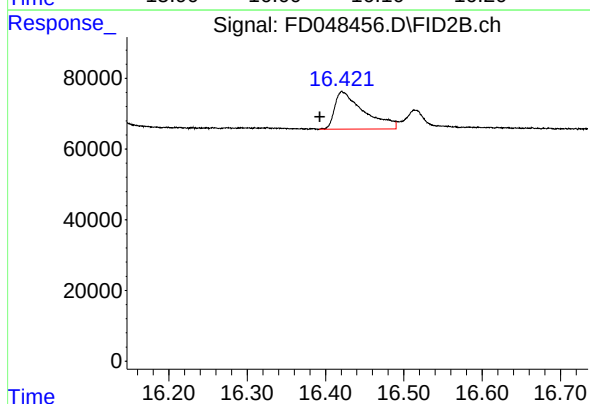
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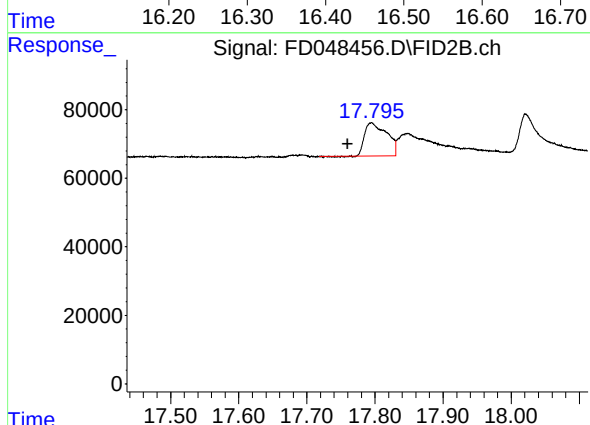
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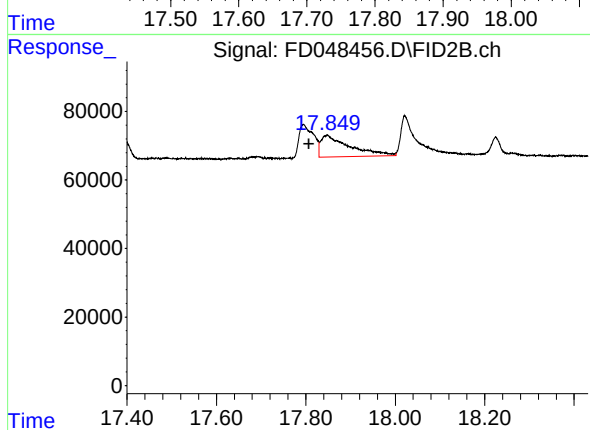
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.421 min
Delta R.T.: 0.028 min
Response: 277629
Conc: 1.70 ug/ml m



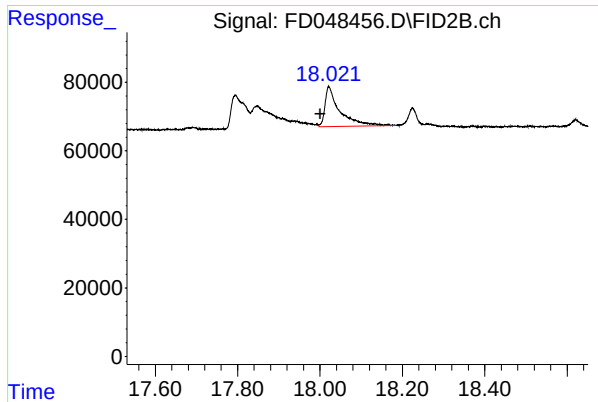
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.795 min
Delta R.T.: 0.035 min
Response: 217908
Conc: 1.66 ug/ml



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

R.T.: 17.849 min
Delta R.T.: 0.043 min
Response: 284854
Conc: 1.70 ug/ml m



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

R.T.: 18.022 min
Delta R.T.: 0.021 min
Response: 292689
Conc: 1.80 ug/ml

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