

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012825AR\
 Data File : FD048971.D
 Signal(s) : FID2B.ch
 Acq On : 28 Jan 2025 18:07
 Operator : YP/AJ
 Sample : Q1168-07
 Misc : 4 PPM WATER LOD
 ALS Vial : 65 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 07:50:57 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...	7.358	7445680	52.316 ug/ml
Spiked Amount 50.000		Recovery =	104.63%
6) S 2-Fluorobiphenyl (SURR)	8.208	4602587	54.092 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	108.18%
11) S ortho-Terphenyl (SURR)	11.243	7329618	44.570 ug/ml
Spiked Amount 50.000		Recovery =	89.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.187	488442	3.169 ug/ml
2) T Naphthalene (C11.7)	5.713	469610	3.004 ug/ml
3) T 2-Methylnaphthalene (...)	6.761	508947	3.281 ug/ml
5) T Acenaphthylene (C15.06)	8.018	572550	3.501 ug/ml
7) T Acenaphthene (C15.5)	8.305	701844	4.179 ug/ml
8) T Fluorene (C16.55)	9.100	536356	3.429 ug/mlm
9) T Phenanthrene (C19.36)	10.488	507785	3.334 ug/ml
10) T Anthracene (C19.43)	10.572	503339	3.304 ug/ml
12) T Fluoranthene (C21.85)	12.298	573547	3.646 ug/mlm
13) T Pyrene (C20.8)	12.586	527751	3.350 ug/ml
14) T Benzo[a]anthracene (C...	14.471	255658	1.987 ug/ml
15) T Chrysene (C27.41)	14.504	477802	2.826 ug/mlm
16) T benzo[b]fluoranthene ...	16.017	357597	2.617 ug/ml
17) T Bnezo[k]fluoranthene ...	16.052	630478	3.893 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.418	358598	2.577 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.793	289418	2.775 ug/ml
20) T Dibenz[a,h]anthracene...	17.847	419101	2.936 ug/ml
21) T Benzo[g,h,i]perylene ...	18.017	420347	2.947 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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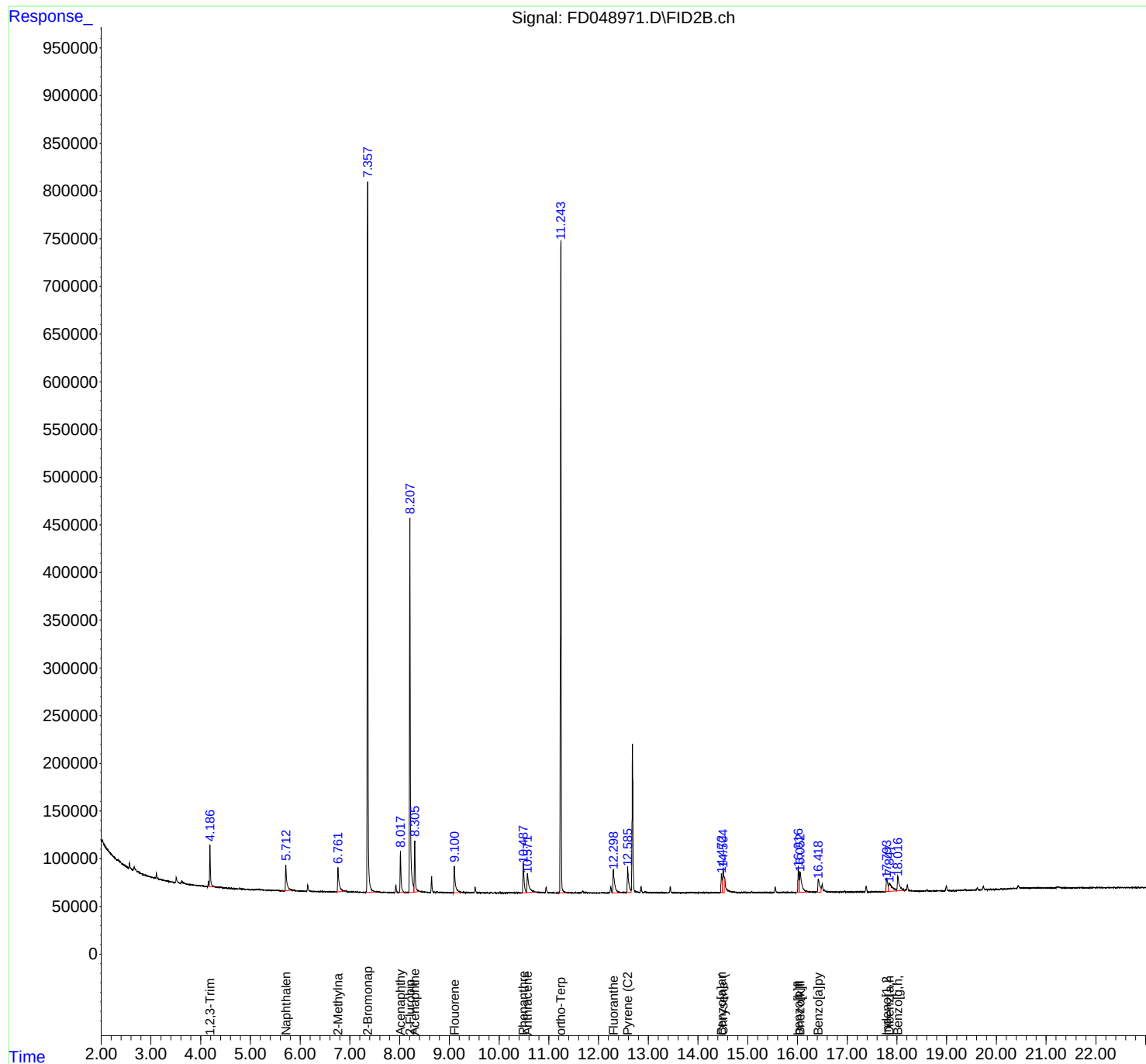
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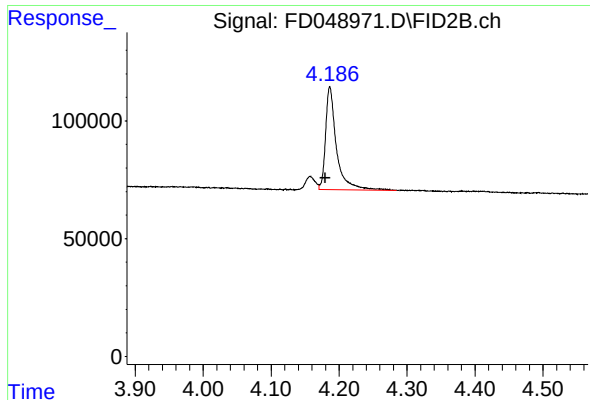
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.187 min
Delta R.T.: 0.007 min
Response: 488442
Conc: 3.17 ug/ml

Instrument :

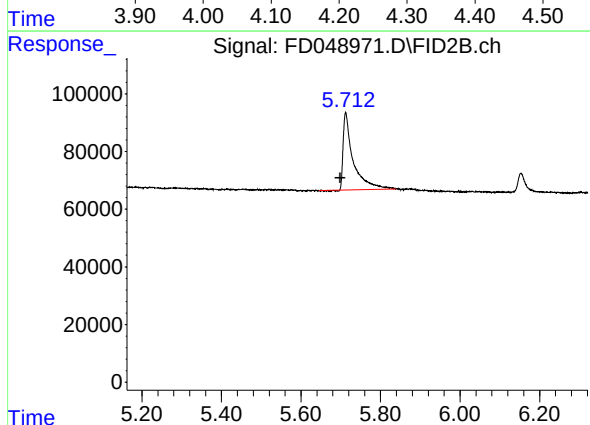
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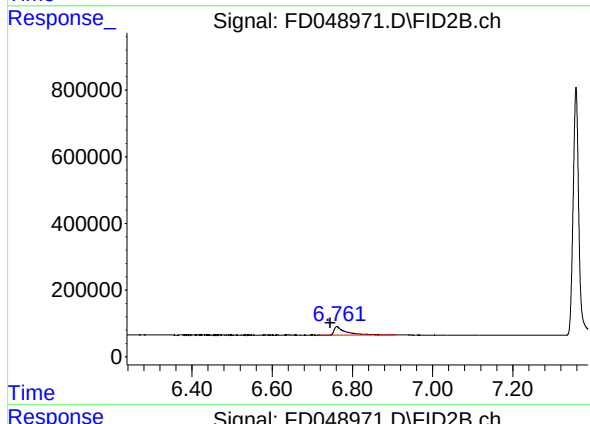
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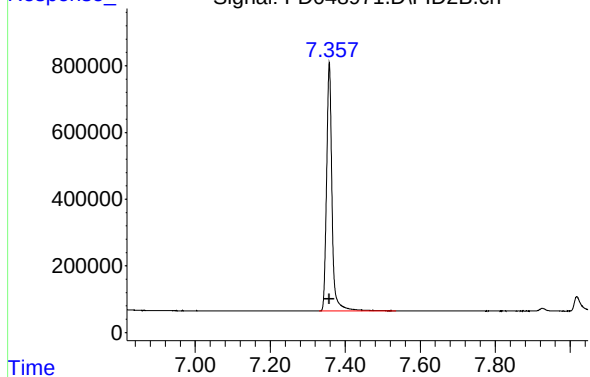
#2 Naphthalene (C11.7)

R.T.: 5.713 min
Delta R.T.: 0.014 min
Response: 469610
Conc: 3.00 ug/ml



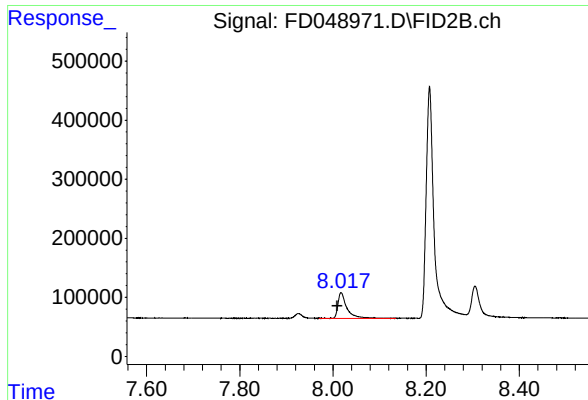
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.761 min
Delta R.T.: 0.017 min
Response: 508947
Conc: 3.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.358 min
Delta R.T.: 0.000 min
Response: 7445680
Conc: 52.32 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.018 min
Delta R.T.: 0.008 min
Response: 572550
Conc: 3.50 ug/ml

Instrument :

FID_D

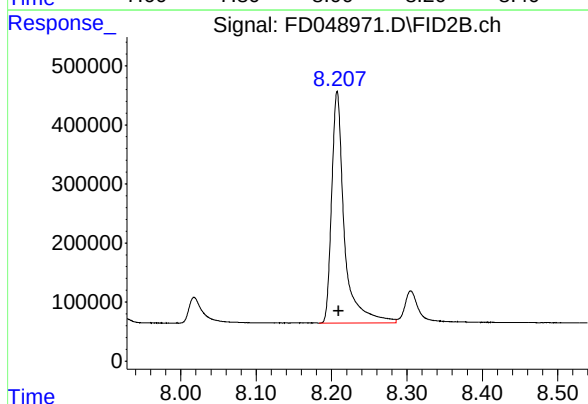
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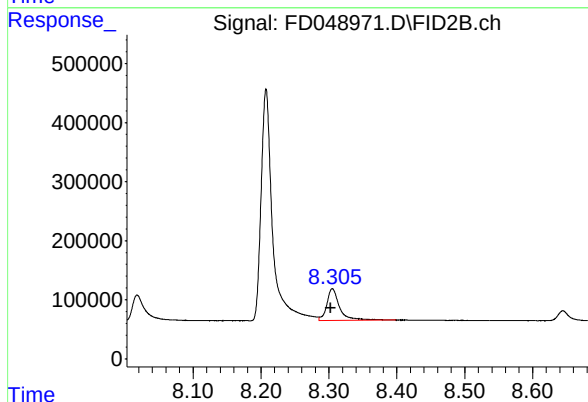
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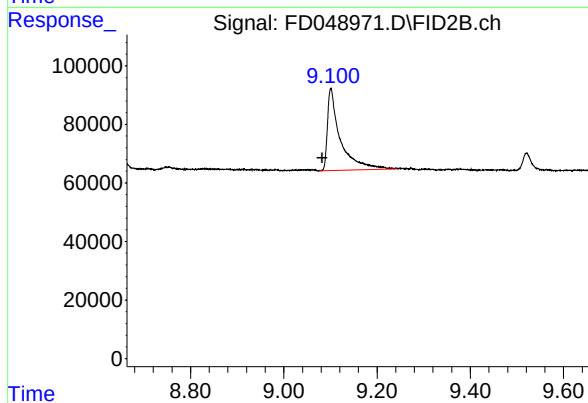
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4602587
Conc: 54.09 ug/ml



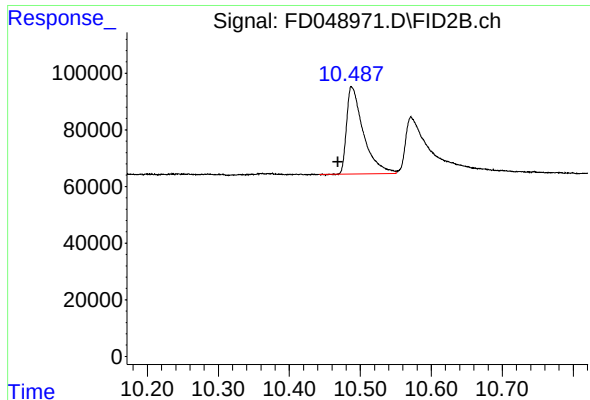
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.003 min
Response: 701844
Conc: 4.18 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.100 min
Delta R.T.: 0.017 min
Response: 536356
Conc: 3.43 ug/ml m



#9 Phenanthrene (C19.36)

R.T.: 10.488 min
Delta R.T.: 0.019 min
Response: 507785
Conc: 3.33 ug/ml

Instrument :

FID_D

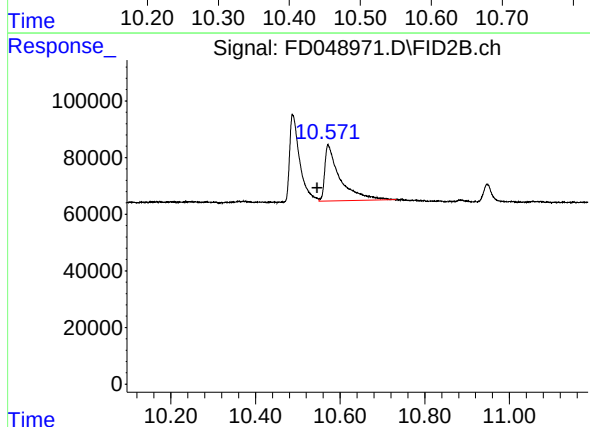
ClientSampleId :

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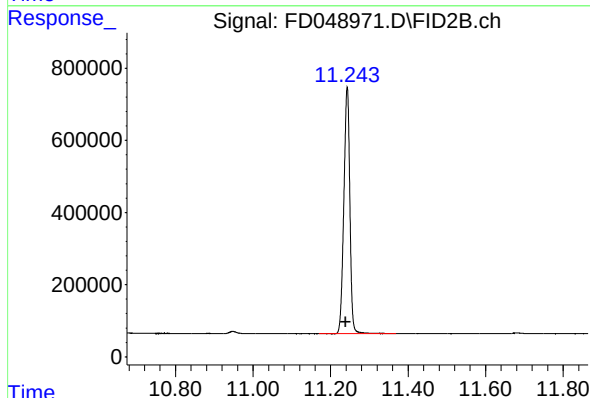
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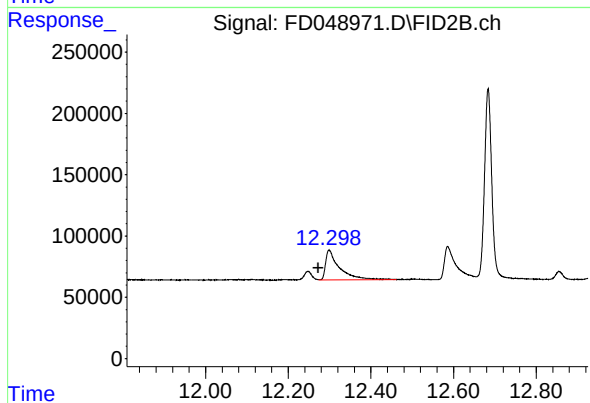
#10 Anthracene (C19.43)

R.T.: 10.572 min
Delta R.T.: 0.026 min
Response: 503339
Conc: 3.30 ug/ml



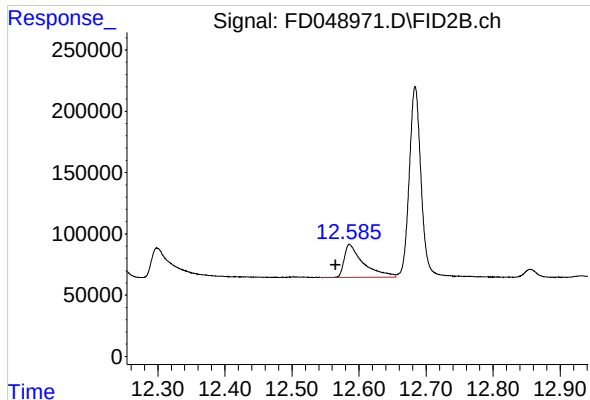
#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.004 min
Response: 7329618
Conc: 44.57 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.298 min
Delta R.T.: 0.025 min
Response: 573547
Conc: 3.65 ug/ml m



#13 Pyrene (C20.8)

R.T.: 12.586 min
Delta R.T.: 0.021 min
Response: 527751
Conc: 3.35 ug/ml

Instrument :

FID_D

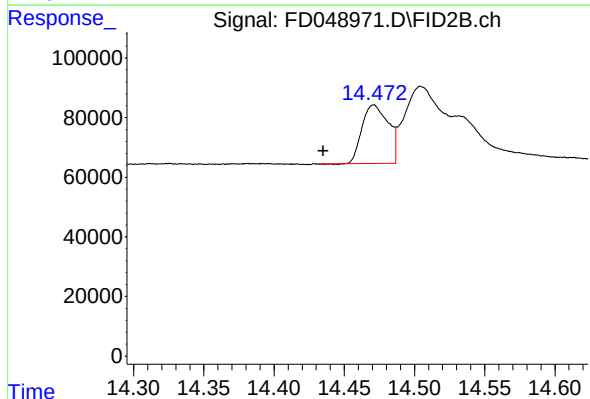
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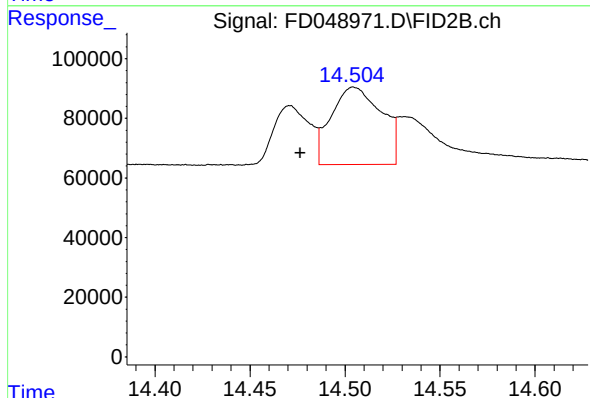
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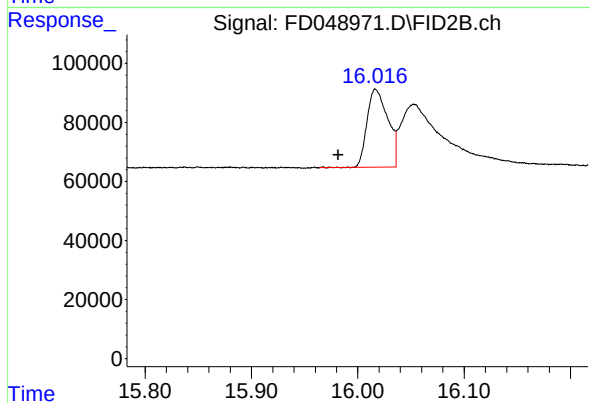
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.471 min
Delta R.T.: 0.036 min
Response: 255658
Conc: 1.99 ug/ml



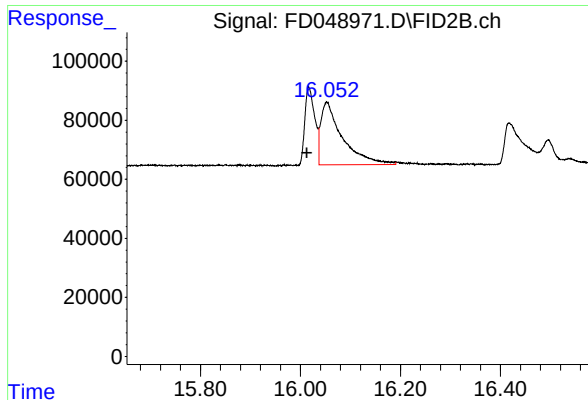
#15 Chrysene (C27.41)

R.T.: 14.504 min
Delta R.T.: 0.027 min
Response: 477802
Conc: 2.83 ug/ml m



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

R.T.: 16.017 min
Delta R.T.: 0.035 min
Response: 357597
Conc: 2.62 ug/ml



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

R.T.: 16.052 min
Delta R.T.: 0.039 min
Response: 630478
Conc: 3.89 ug/ml

Instrument :

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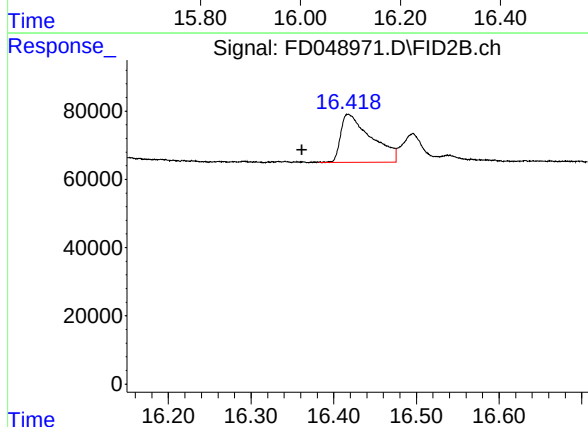
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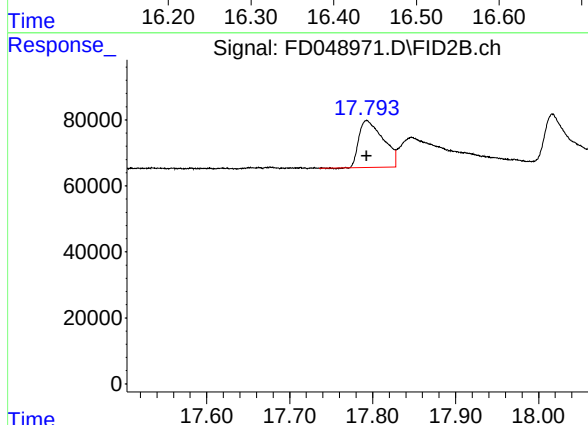
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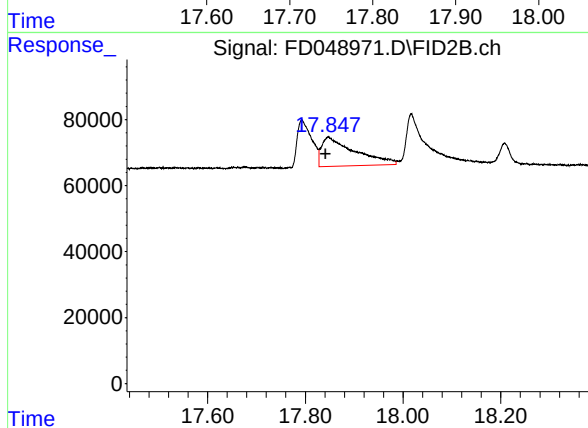
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.418 min
Delta R.T.: 0.056 min
Response: 358598
Conc: 2.58 ug/ml m



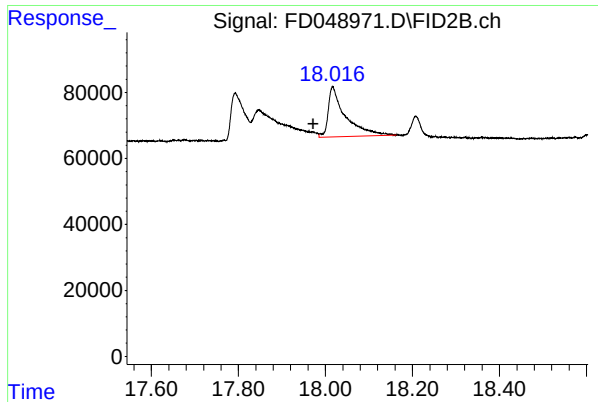
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.793 min
Delta R.T.: 0.000 min
Response: 289418
Conc: 2.78 ug/ml



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

R.T.: 17.847 min
Delta R.T.: 0.005 min
Response: 419101
Conc: 2.94 ug/ml



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

R.T.: 18.017 min
Delta R.T.: 0.044 min
Response: 420347
Conc: 2.95 ug/ml

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