

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013025AR\
 Data File : FD049015.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jan 2025 11:17
 Operator : YP/AJ
 Sample : Q1168-09
 Misc : 2.5 PPM WATER MDL
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/31/2025
 Supervised By :Ankita Jodhani 01/31/2025

Integration File: autoint1.e
 Quant Time: Jan 31 01:30:42 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...	7.356	7513196	52.790 ug/ml
Spiked Amount 50.000		Recovery =	105.58%
6) S 2-Fluorobiphenyl (SURR)	8.206	4311923	50.676 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	101.35%
11) S ortho-Terphenyl (SURR)	11.241	7347960	44.681 ug/ml
Spiked Amount 50.000		Recovery =	89.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.190	284816	1.848 ug/ml
2) T Naphthalene (C11.7)	5.724	315119	2.016 ug/mlm
3) T 2-Methylnaphthalene (...)	6.775	297861	1.920 ug/ml
5) T Acenaphthylene (C15.06)	8.022	355209	2.172 ug/ml
7) T Acenaphthene (C15.5)	8.305	545043	3.245 ug/ml
8) T Flouorene (C16.55)	9.115	292859	1.872 ug/ml
9) T Phenanthrene (C19.36)	10.510	297634	1.954 ug/mlm
10) T Anthracene (C19.43)	10.601	338296	2.221 ug/mlm
12) T Fluoranthene (C21.85)	12.320	313210	1.991 ug/ml
13) T Pyrene (C20.8)	12.601	280847	1.783 ug/ml
14) T Benzo[a]anthracene (C...	14.499	91803	0.713 ug/ml
15) T Chrysene (C27.41)	14.530	466472	2.759 ug/mlm
16) T benzo[b]fluoranthene ...	16.042	192943	1.412 ug/ml
17) T Bnezo[k]fluoranthene ...	16.081	442353	2.731 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.453	128800	0.925 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.836	122523	1.175 ug/ml
20) T Dibenz[a,h]anthracene...	17.902	109725	0.769 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.041	218339	1.531 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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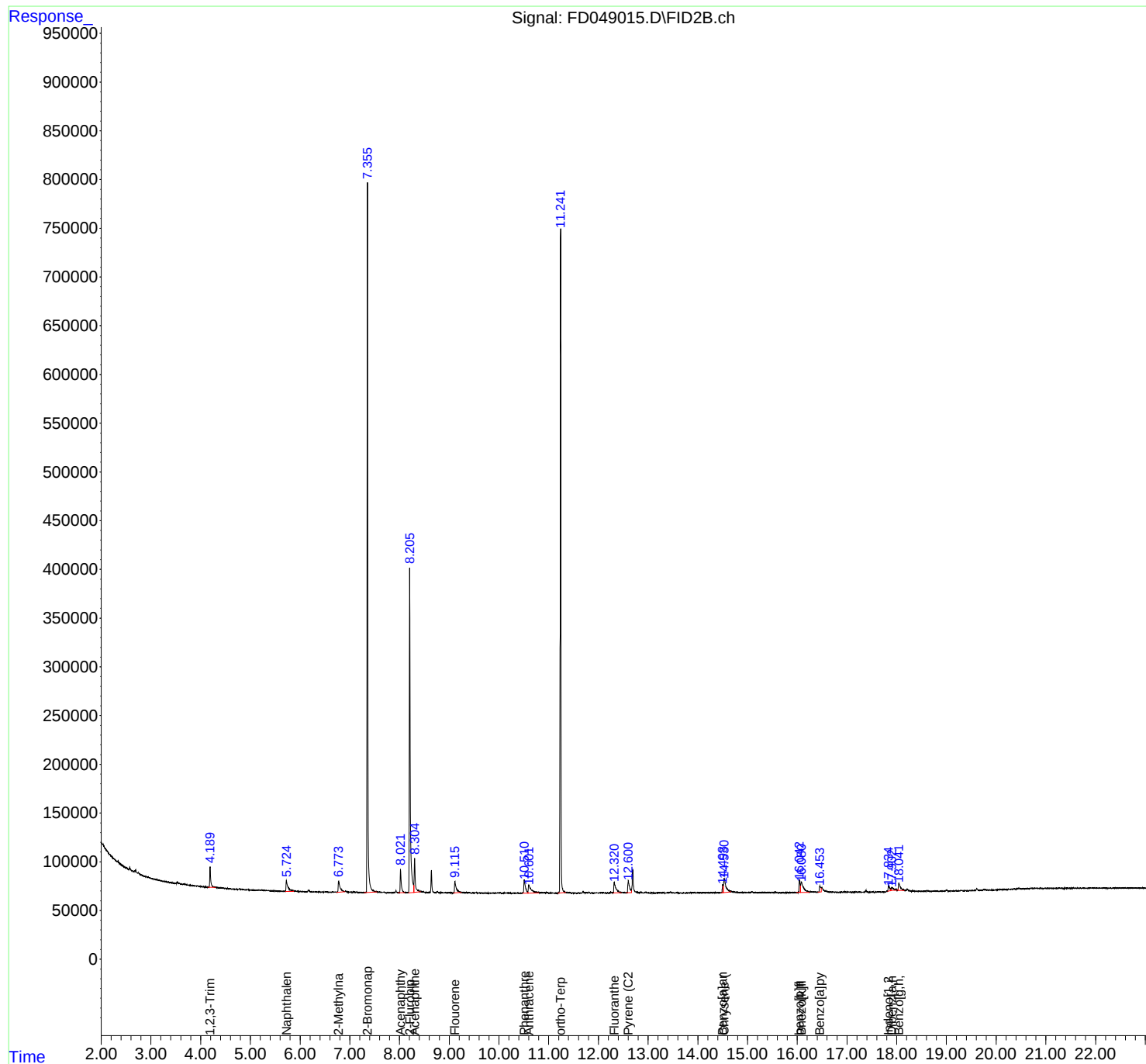
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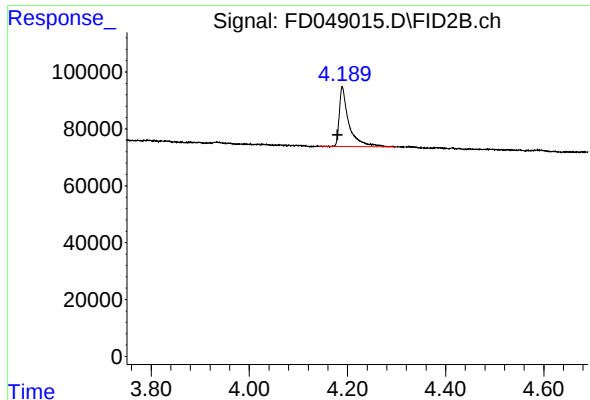
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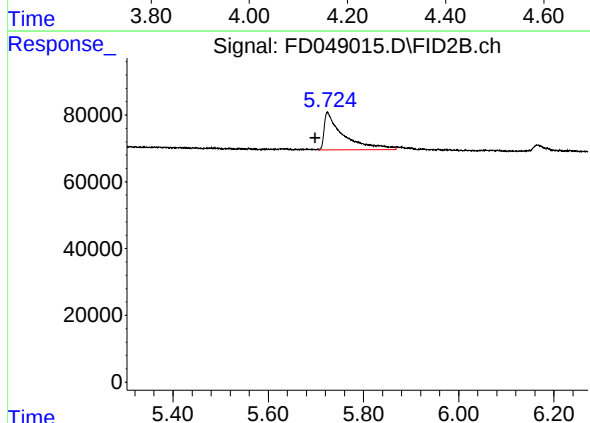
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.190 min
Delta R.T.: 0.010 min
Response: 284816
Conc: 1.85 ug/ml

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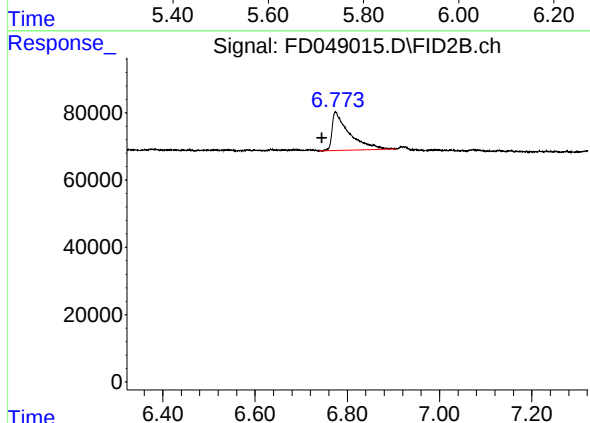
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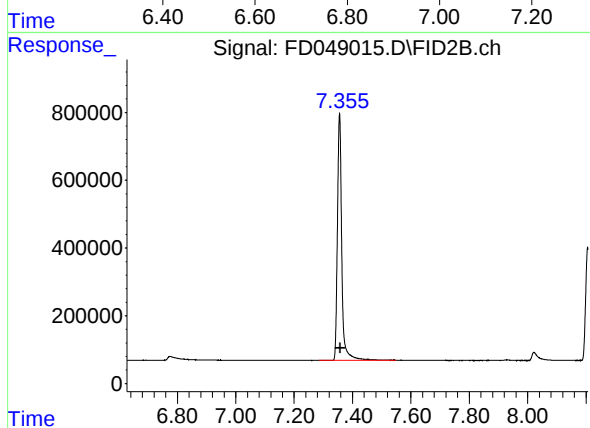
#2 Naphthalene (C11.7)

R.T.: 5.724 min
Delta R.T.: 0.026 min
Response: 315119
Conc: 2.02 ug/ml m



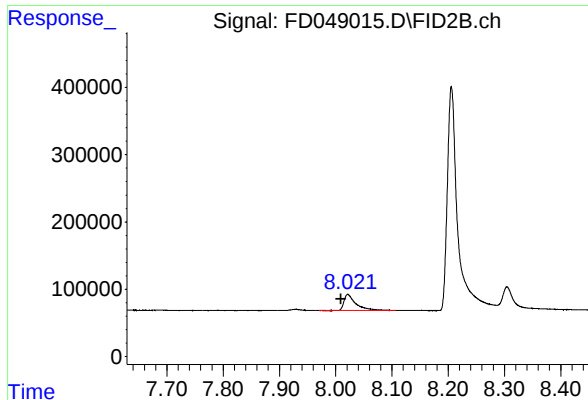
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.775 min
Delta R.T.: 0.030 min
Response: 297861
Conc: 1.92 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.356 min
Delta R.T.: -0.002 min
Response: 7513196
Conc: 52.79 ug/ml



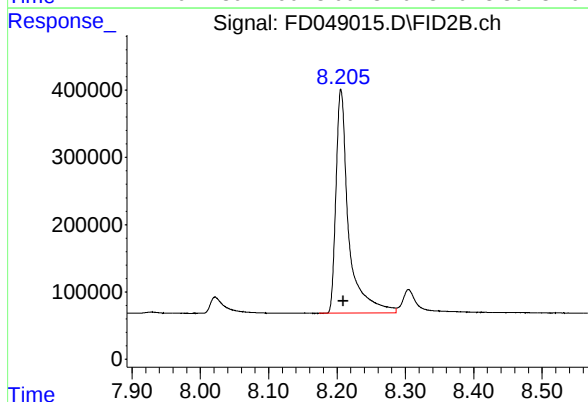
#5 Acenaphthylene (C15.06)

R.T.: 8.022 min
Delta R.T.: 0.012 min
Response: 355209
Conc: 2.17 ug/ml

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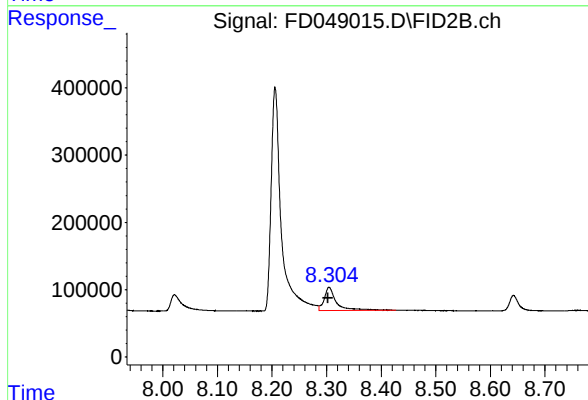
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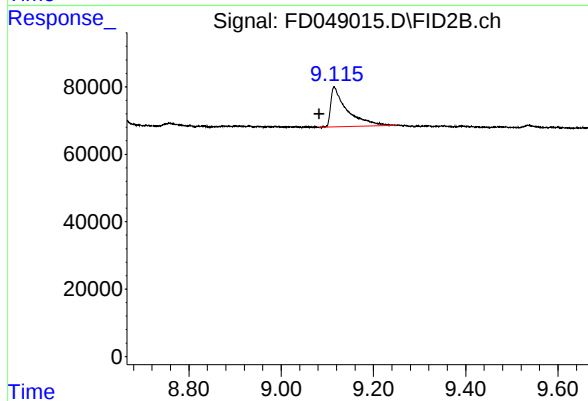
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.206 min
Delta R.T.: -0.003 min
Response: 4311923
Conc: 50.68 ug/ml



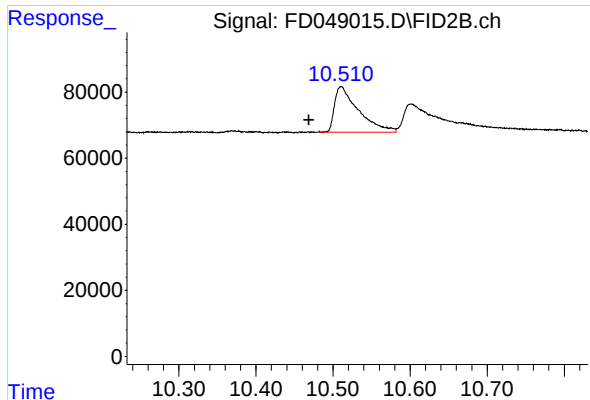
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.002 min
Response: 545043
Conc: 3.25 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.115 min
Delta R.T.: 0.033 min
Response: 292859
Conc: 1.87 ug/ml



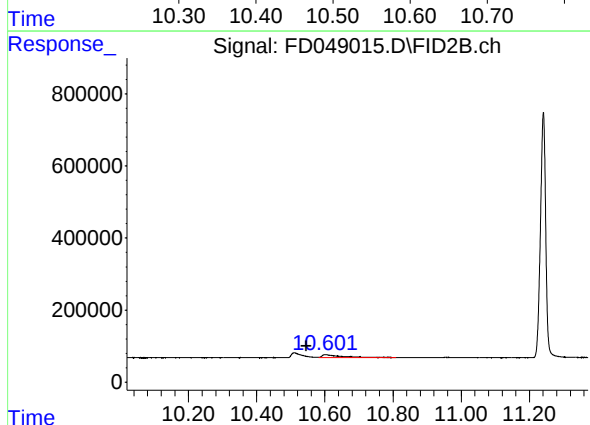
#9 Phenanthrene (C19.36)

R.T.: 10.510 min
Delta R.T.: 0.041 min
Response: 297634
Conc: 1.95 ug/ml

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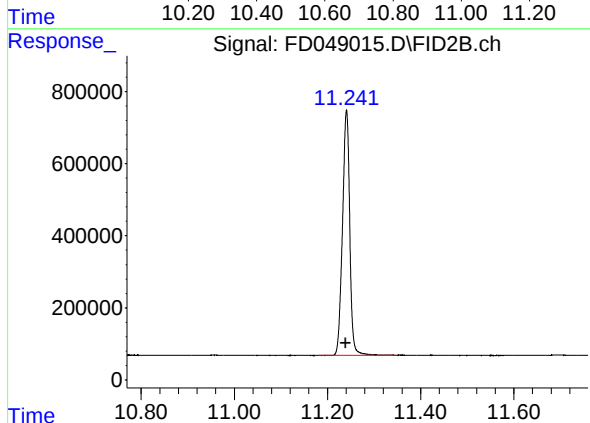
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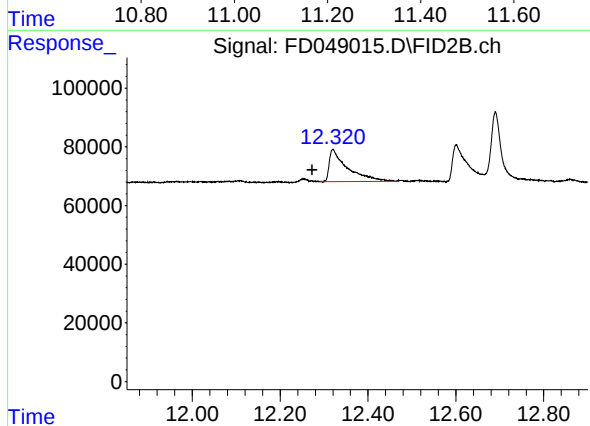
#10 Anthracene (C19.43)

R.T.: 10.601 min
Delta R.T.: 0.055 min
Response: 338296
Conc: 2.22 ug/ml m



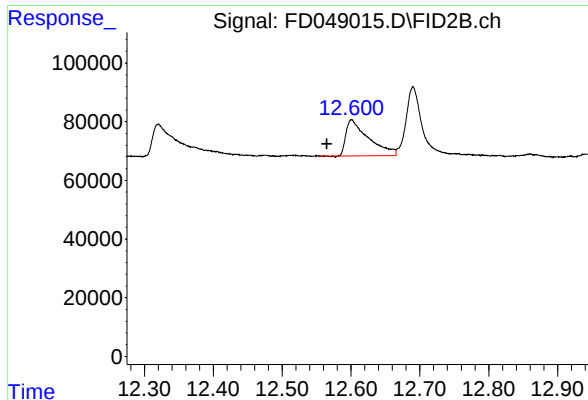
#11 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 7347960
Conc: 44.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.320 min
Delta R.T.: 0.047 min
Response: 313210
Conc: 1.99 ug/ml



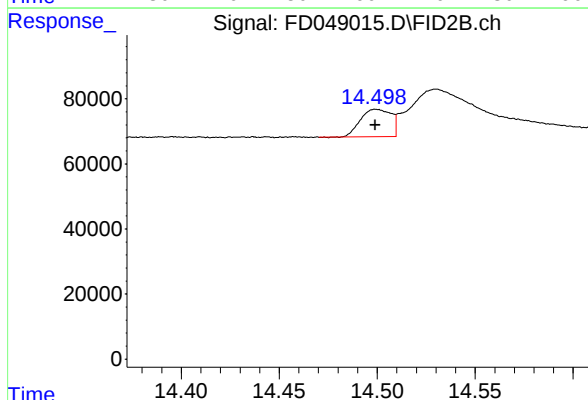
#13 Pyrene (C20.8)

R.T.: 12.601 min
Delta R.T.: 0.036 min
Response: 280847
Conc: 1.78 ug/ml

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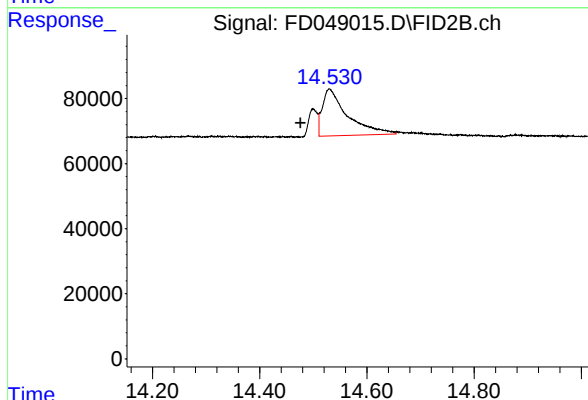
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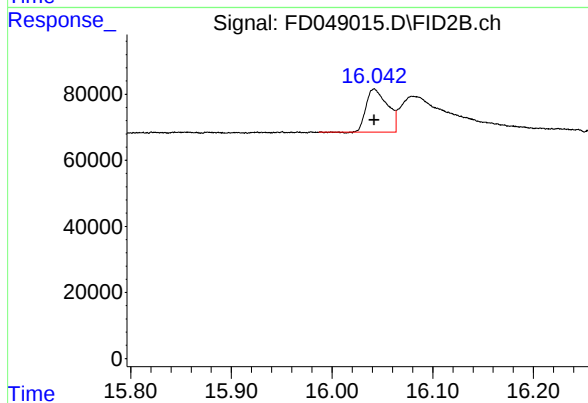
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.499 min
Delta R.T.: 0.000 min
Response: 91803
Conc: 0.71 ug/ml



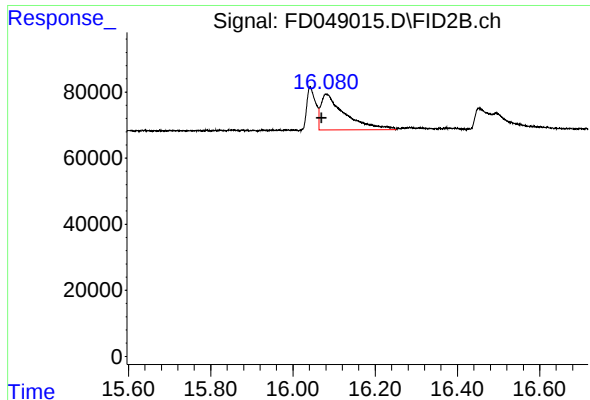
#15 Chrysene (C27.41)

R.T.: 14.530 min
Delta R.T.: 0.054 min
Response: 466472
Conc: 2.76 ug/ml m



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

R.T.: 16.042 min
Delta R.T.: 0.000 min
Response: 192943
Conc: 1.41 ug/ml



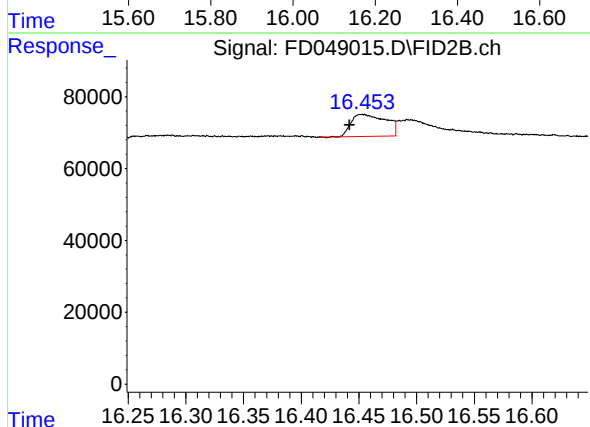
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.081 min
Delta R.T.: 0.011 min
Response: 442353
Conc: 2.73 ug/ml

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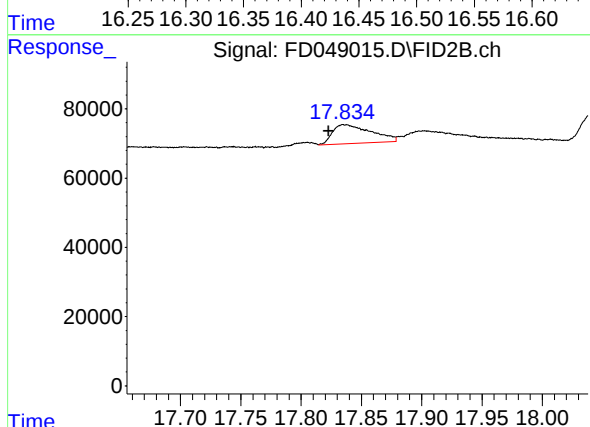
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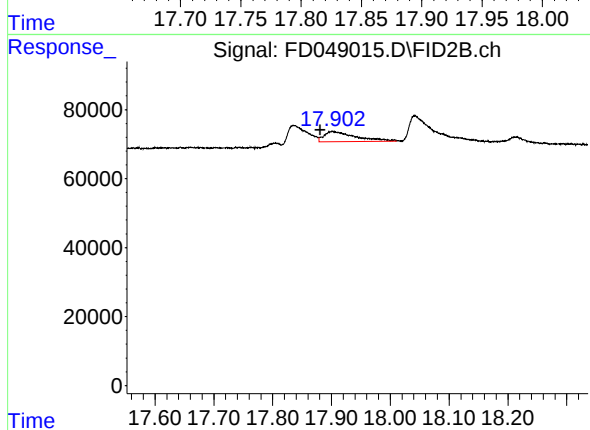
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.453 min
Delta R.T.: 0.011 min
Response: 128800
Conc: 0.93 ug/ml



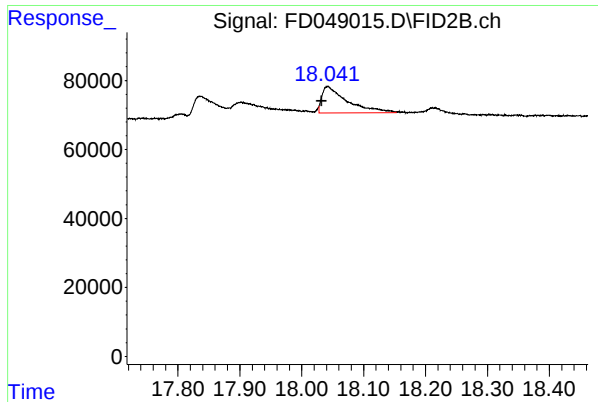
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.836 min
Delta R.T.: 0.013 min
Response: 122523
Conc: 1.17 ug/ml



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

R.T.: 17.902 min
Delta R.T.: 0.021 min
Response: 109725
Conc: 0.77 ug/ml m



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

R.T.: 18.041 min
Delta R.T.: 0.009 min
Response: 218339
Conc: 1.53 ug/ml

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