

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD012925AR\
 Data File : FD048989.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 09:57
 Operator : YP/AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 62 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 02:42:21 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	7049152	49.529 ug/ml
Spiked Amount 50.000		Recovery =	99.06%
6) S 2-Fluorobiphenyl (SURR)	8.208	4500241	52.889 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	105.78%
11) S ortho-Terphenyl (SURR)	11.243	6597950	40.121 ug/ml
Spiked Amount 50.000		Recovery =	80.24%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.189	292267	1.896 ug/ml
2) T Naphthalene (C11.7)	5.722	333240	2.132 ug/mlm
3) T 2-Methylnaphthalene (...)	6.774	282170	1.819 ug/ml
5) T Acenaphthylene (C15.06)	8.023	322291	1.971 ug/ml
7) T Acenaphthene (C15.5)	8.307	467872	2.786 ug/ml
8) T Fluorene (C16.55)	9.115	282664	1.807 ug/ml
9) T Phenanthrene (C19.36)	10.507	255961	1.681 ug/ml
10) T Anthracene (C19.43)	10.595	319905	2.100 ug/mlm
12) T Fluoranthene (C21.85)	12.324	314917	2.002 ug/mlm
13) T Pyrene (C20.8)	12.605	238110	1.511 ug/ml
14) T Benzo[a]anthracene (C...	14.503	101459	0.788 ug/mlm
15) T Chrysene (C27.41)	14.535	492585	2.913 ug/mlm
16) T benzo[b]fluoranthene ...	16.048	173021	1.266 ug/ml
17) T Bnezo[k]fluoranthene ...	16.086	365209	2.255 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.459	93623	0.673 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.803	47051	0.451 ug/mlm
20) T Dibenz[a,h]anthracene...	17.843	114864	0.805 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.052	198343	1.391 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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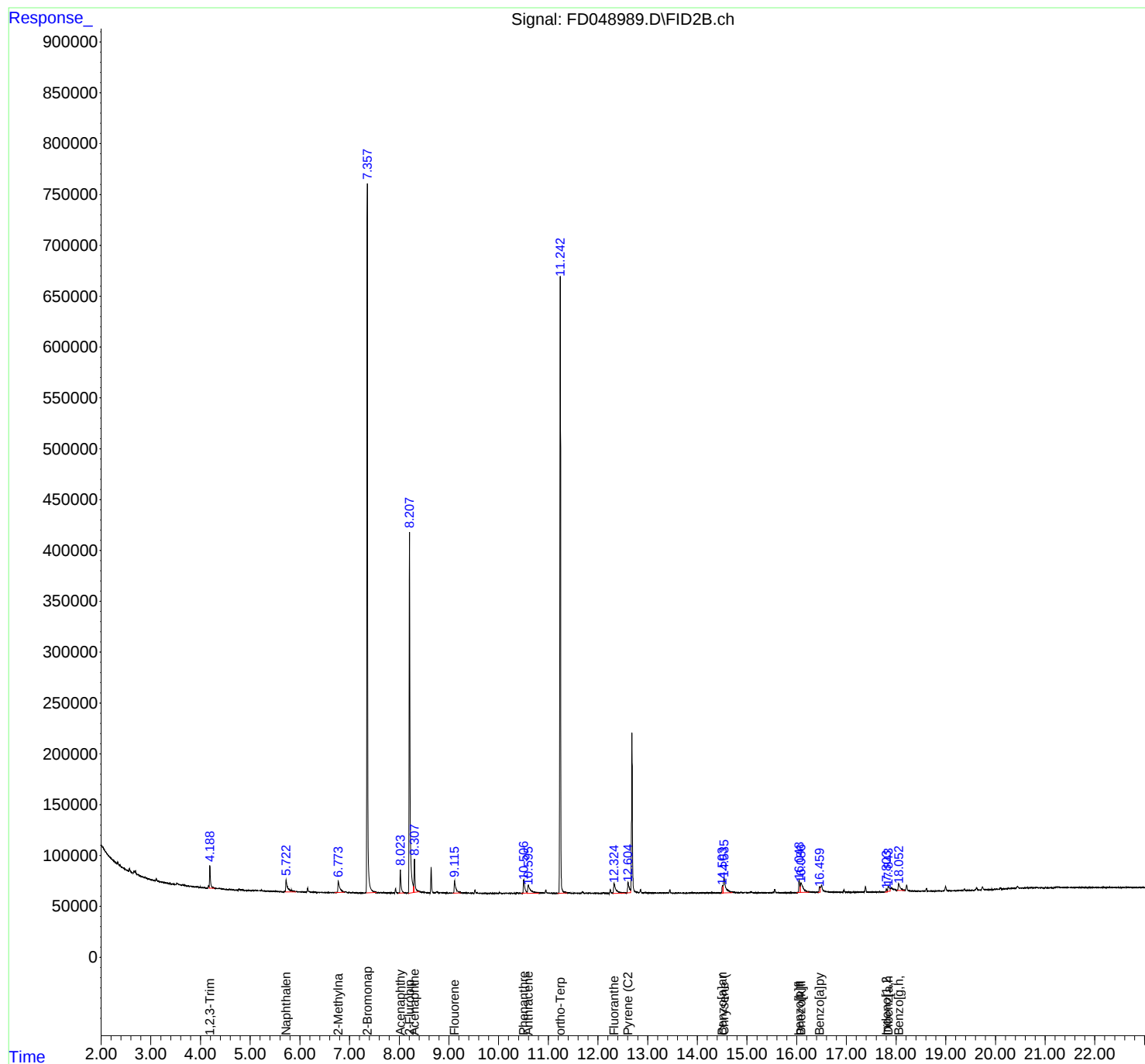
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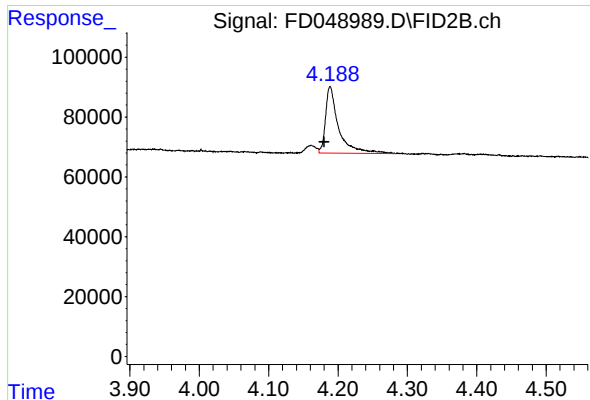
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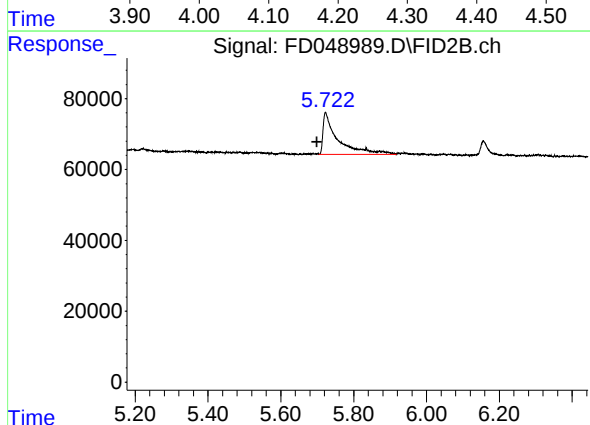
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.189 min
Delta R.T.: 0.009 min
Response: 292267
Conc: 1.90 ug/ml

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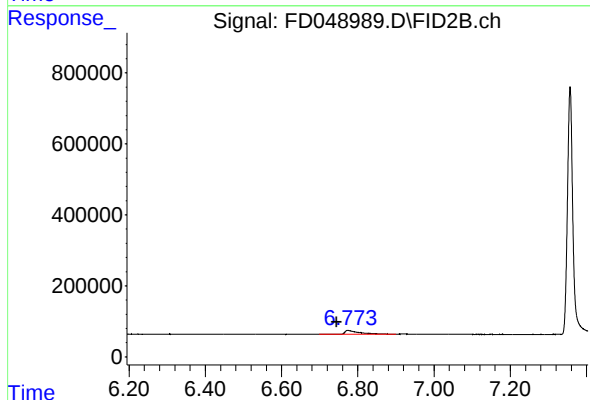
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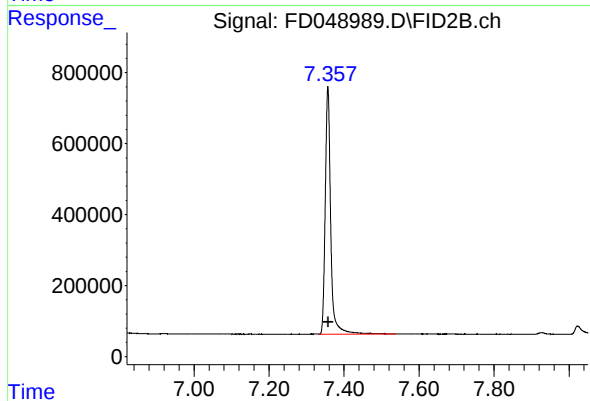
#2 Naphthalene (C11.7)

R.T.: 5.722 min
Delta R.T.: 0.024 min
Response: 333240
Conc: 2.13 ug/ml m



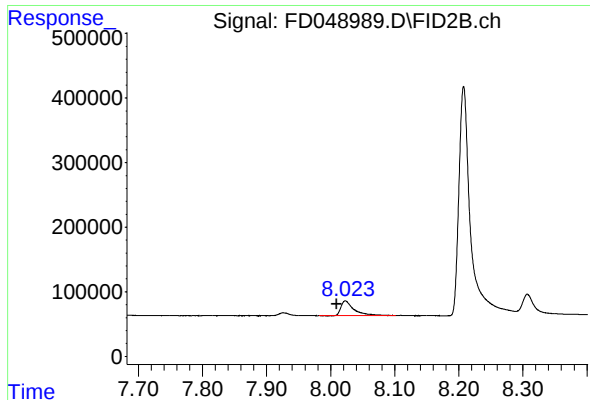
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.774 min
Delta R.T.: 0.029 min
Response: 282170
Conc: 1.82 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.357 min
Delta R.T.: 0.000 min
Response: 7049152
Conc: 49.53 ug/ml



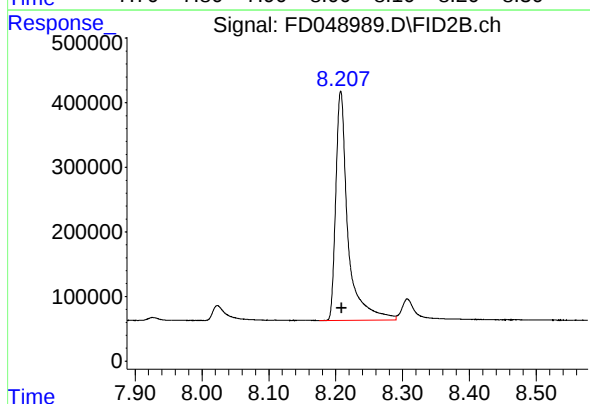
#5 Acenaphthylene (C15.06)

R.T.: 8.023 min
Delta R.T.: 0.014 min
Response: 322291
Conc: 1.97 ug/ml

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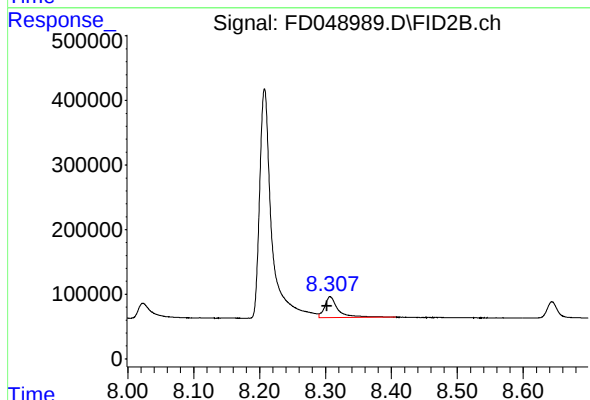
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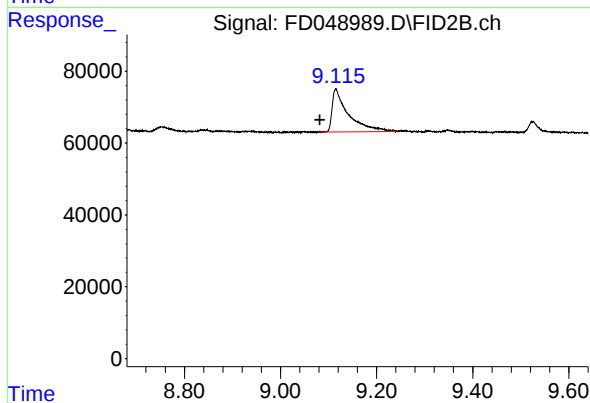
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.208 min
Delta R.T.: -0.002 min
Response: 4500241
Conc: 52.89 ug/ml



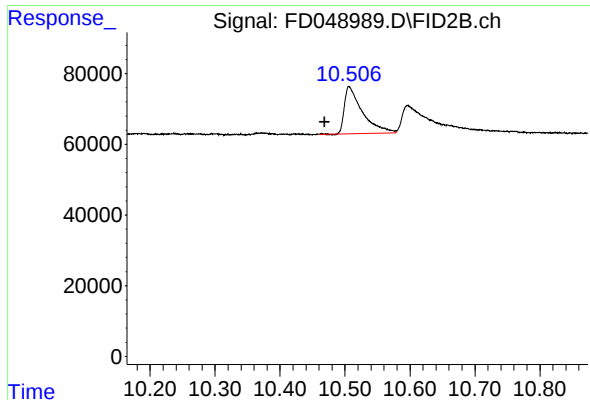
#7 Acenaphthene (C15.5)

R.T.: 8.307 min
Delta R.T.: 0.005 min
Response: 467872
Conc: 2.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.115 min
Delta R.T.: 0.033 min
Response: 282664
Conc: 1.81 ug/ml



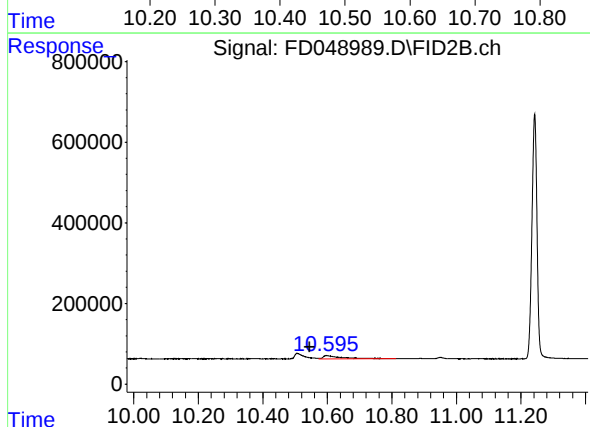
#9 Phenanthrene (C19.36)

R.T.: 10.507 min
Delta R.T.: 0.038 min
Response: 255961
Conc: 1.68 ug/ml

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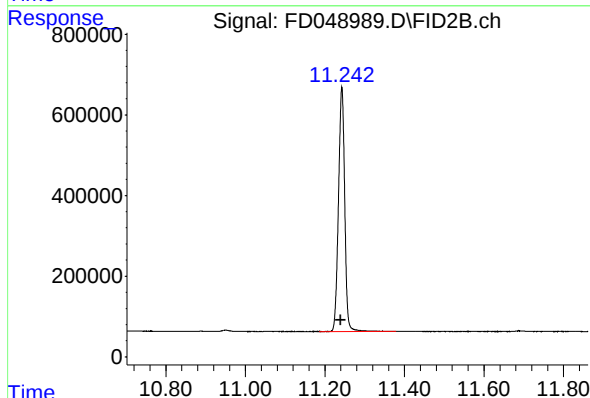
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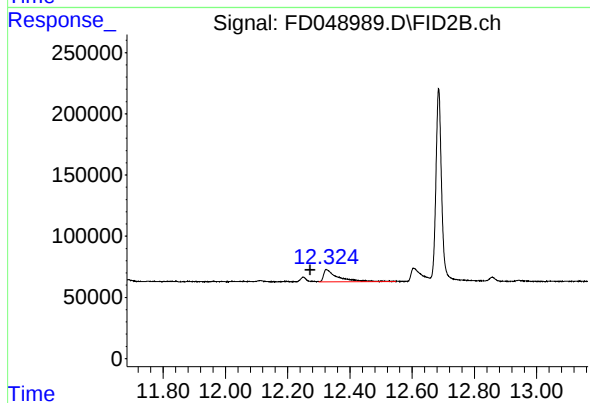
#10 Anthracene (C19.43)

R.T.: 10.595 min
Delta R.T.: 0.049 min
Response: 319905
Conc: 2.10 ug/ml m



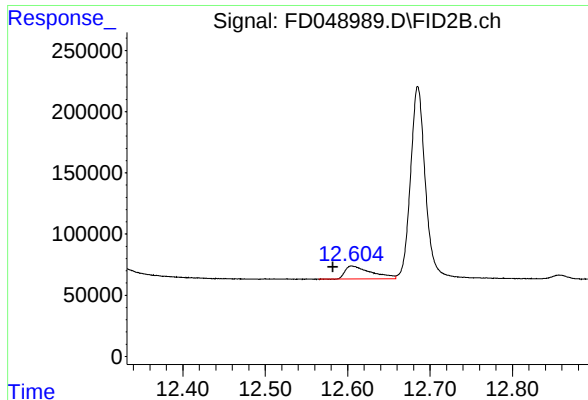
#11 ortho-Terphenyl (SURR)

R.T.: 11.243 min
Delta R.T.: 0.004 min
Response: 6597950
Conc: 40.12 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.324 min
Delta R.T.: 0.051 min
Response: 314917
Conc: 2.00 ug/ml m



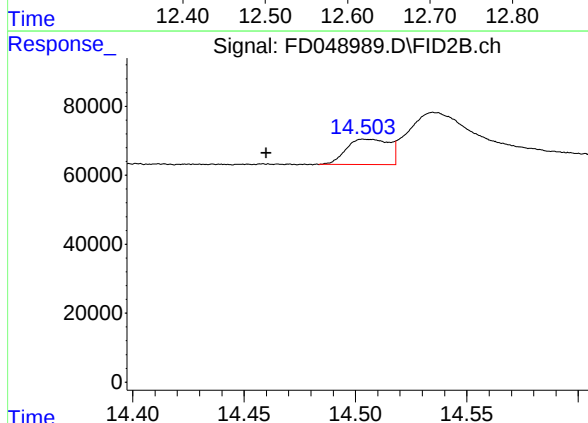
#13 Pyrene (C20.8)

R.T.: 12.605 min
Delta R.T.: 0.023 min
Response: 238110
Conc: 1.51 ug/ml

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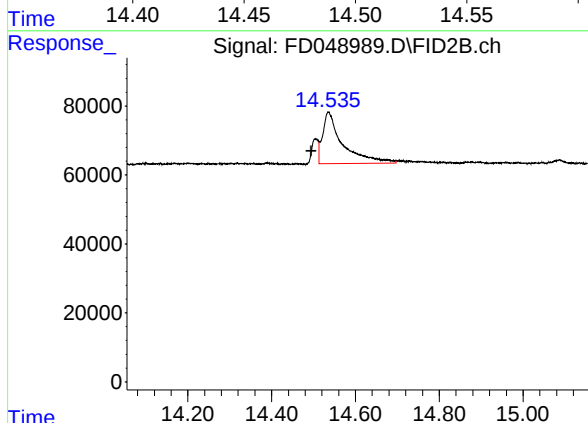
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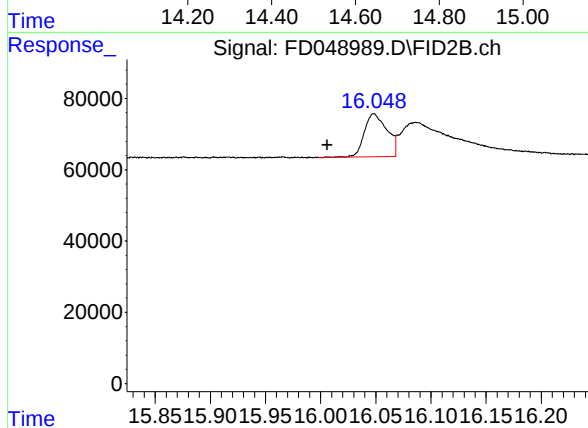
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.503 min
Delta R.T.: 0.043 min
Response: 101459
Conc: 0.79 ug/ml m



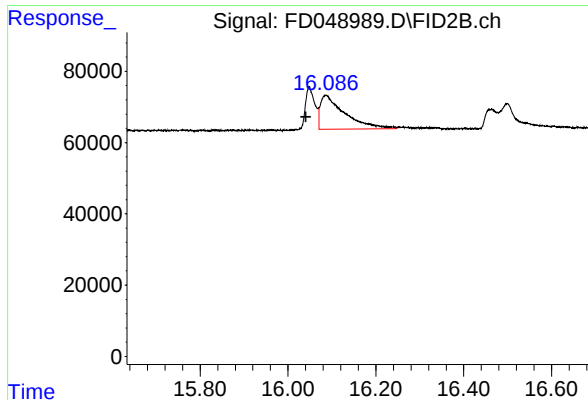
#15 Chrysene (C27.41)

R.T.: 14.535 min
Delta R.T.: 0.040 min
Response: 492585
Conc: 2.91 ug/ml m



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

R.T.: 16.048 min
Delta R.T.: 0.042 min
Response: 173021
Conc: 1.27 ug/ml



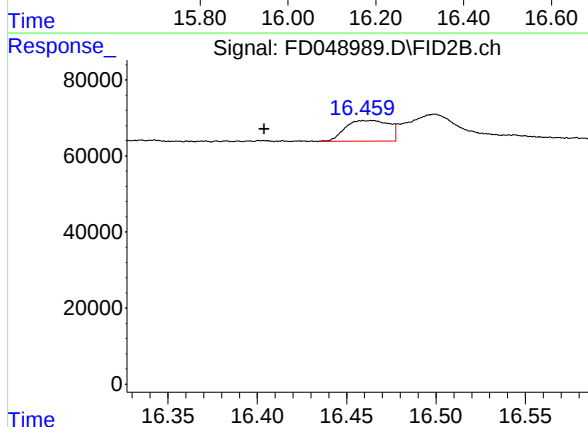
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.086 min
Delta R.T.: 0.045 min
Response: 365209
Conc: 2.25 ug/ml

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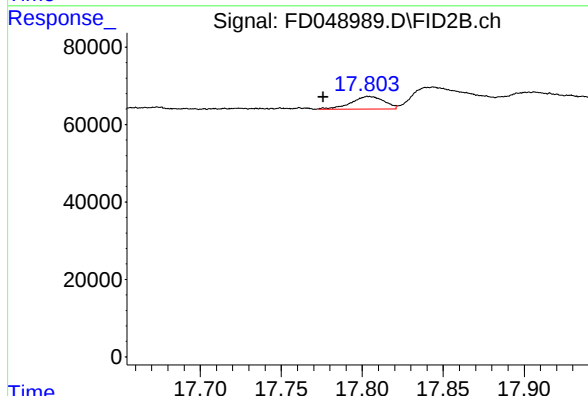
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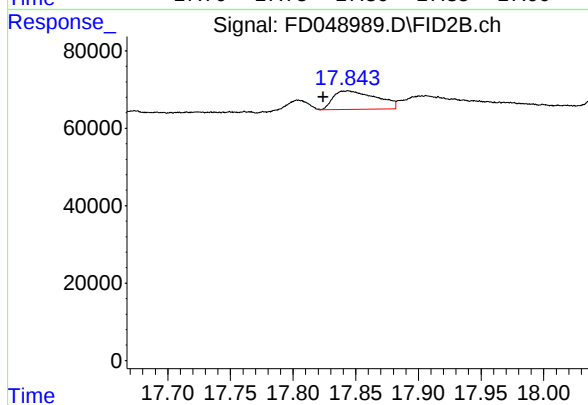
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.459 min
Delta R.T.: 0.055 min
Response: 93623
Conc: 0.67 ug/ml m



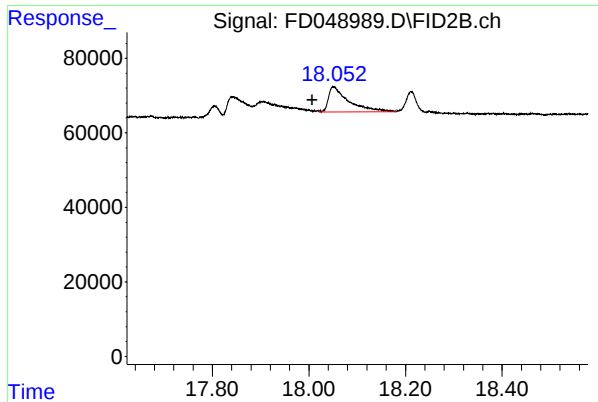
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.803 min
Delta R.T.: 0.027 min
Response: 47051
Conc: 0.45 ug/ml m



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

R.T.: 17.843 min
Delta R.T.: 0.019 min
Response: 114864
Conc: 0.80 ug/ml m



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

R.T.: 18.052 min
Delta R.T.: 0.045 min
Response: 198343
Conc: 1.39 ug/ml

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