

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD013025AR\
 Data File : FD049013.D
 Signal(s) : FID2B.ch
 Acq On : 30 Jan 2025 10:02
 Operator : YP/AJ
 Sample : Q1168-03
 Misc : 2.5 PPM SOIL MDL
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-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 01:18:00 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	8766082	61.593 ug/ml
Spiked Amount 50.000		Recovery =	123.19%
6) S 2-Fluorobiphenyl (SURR)	8.206	5123287	60.212 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	120.42%
11) S ortho-Terphenyl (SURR)	11.241	8540694	51.934 ug/ml
Spiked Amount 50.000		Recovery =	103.87%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.188	353818	2.295 ug/ml
2) T Naphthalene (C11.7)	5.720	360149	2.304 ug/mlm
3) T 2-Methylnaphthalene (...)	6.769	399390	2.575 ug/mlm
5) T Acenaphthylene (C15.06)	8.020	414287	2.533 ug/mlm
7) T Acenaphthene (C15.5)	8.305	591398	3.521 ug/ml
8) T Fluorene (C16.55)	9.109	375398	2.400 ug/mlm
9) T Phenanthrene (C19.36)	10.498	348711	2.290 ug/ml
10) T Anthracene (C19.43)	10.587	335916	2.205 ug/ml
12) T Fluoranthene (C21.85)	12.313	384720	2.446 ug/mlm
13) T Pyrene (C20.8)	12.595	348638	2.213 ug/ml
14) T Benzo[a]anthracene (C...	14.489	144938	1.126 ug/ml
15) T Chrysene (C27.41)	14.518	490586	2.901 ug/mlm
16) T benzo[b]fluoranthene ...	16.032	236825	1.733 ug/ml
17) T Bnezo[k]fluoranthene ...	16.069	475287	2.935 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.442	180928	1.300 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.823	178254	1.709 ug/ml
20) T Dibenz[a,h]anthracene...	17.881	167501	1.173 ug/ml
21) T Benzo[g,h,i]perylene ...	18.033	251476	1.763 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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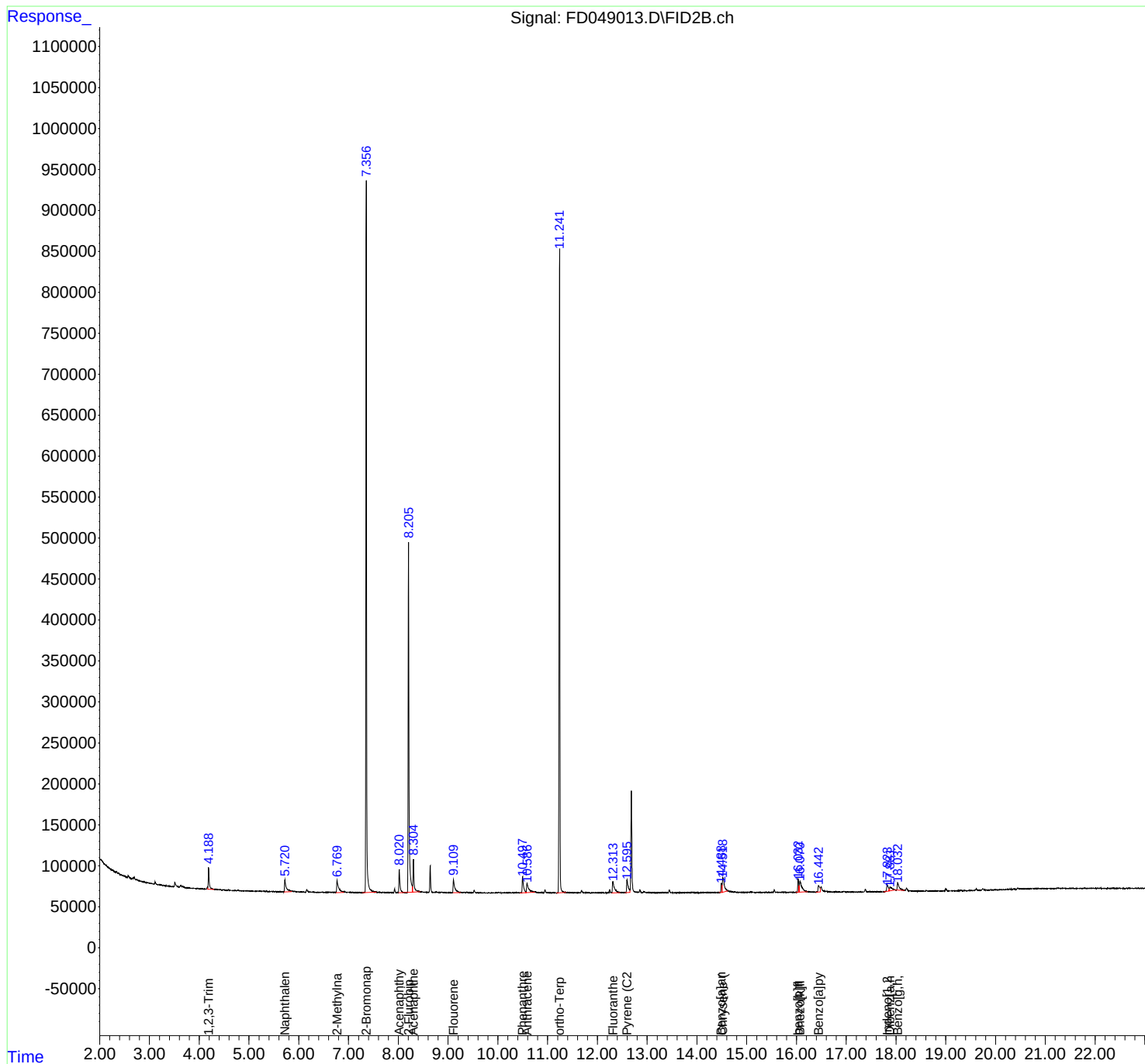
Instrument :
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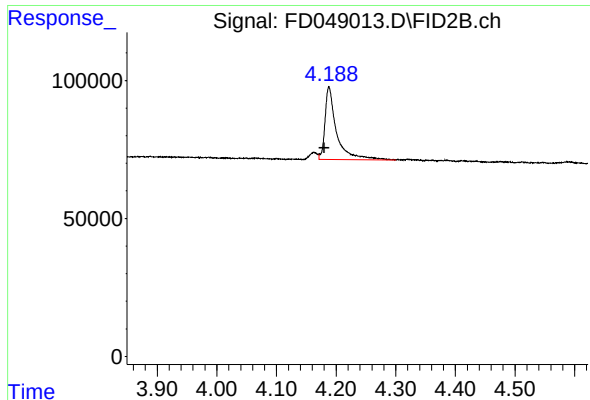
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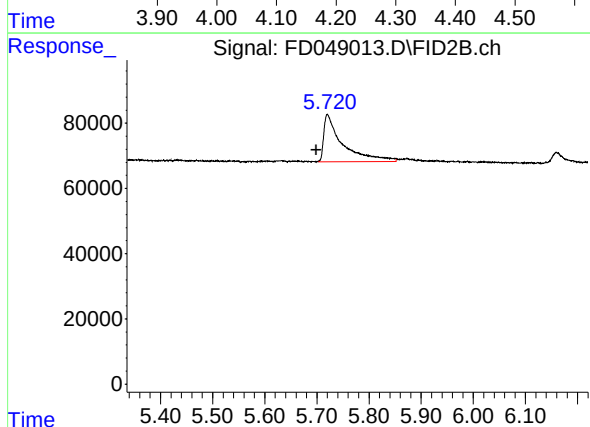
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.188 min
Delta R.T.: 0.008 min
Response: 353818
Conc: 2.30 ug/ml

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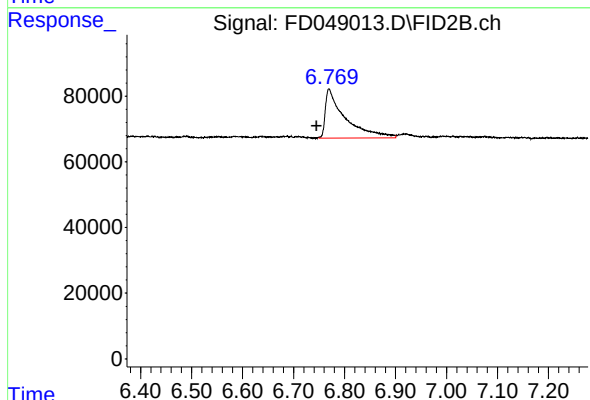
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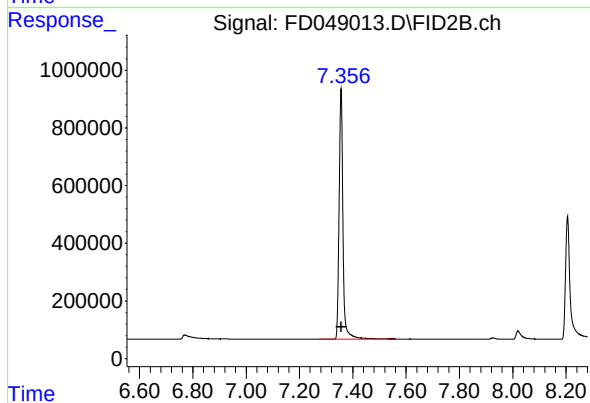
#2 Naphthalene (C11.7)

R.T.: 5.720 min
Delta R.T.: 0.021 min
Response: 360149
Conc: 2.30 ug/ml m



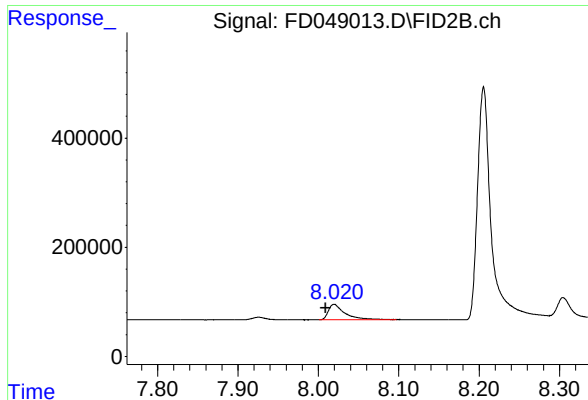
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.769 min
Delta R.T.: 0.025 min
Response: 399390
Conc: 2.57 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.356 min
Delta R.T.: -0.002 min
Response: 8766082
Conc: 61.59 ug/ml



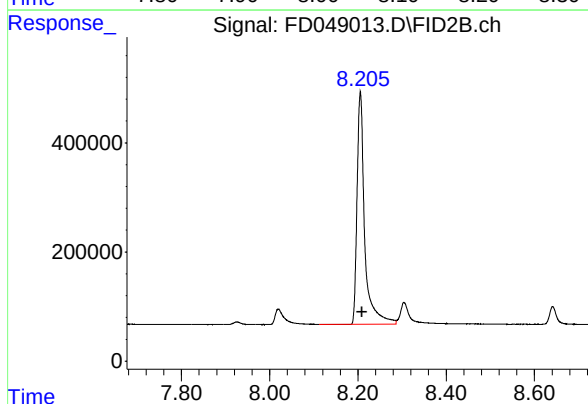
#5 Acenaphthylene (C15.06)

R.T.: 8.020 min
Delta R.T.: 0.011 min
Response: 414287
Conc: 2.53 ug/ml

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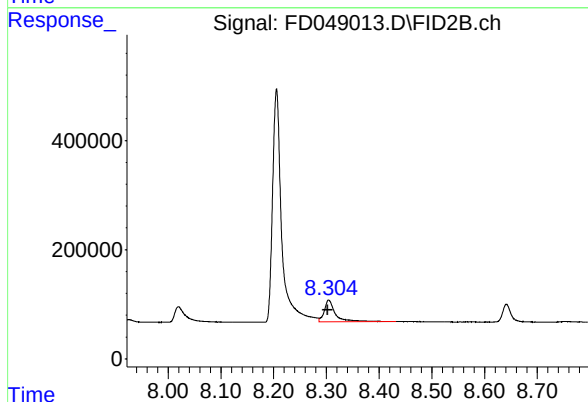
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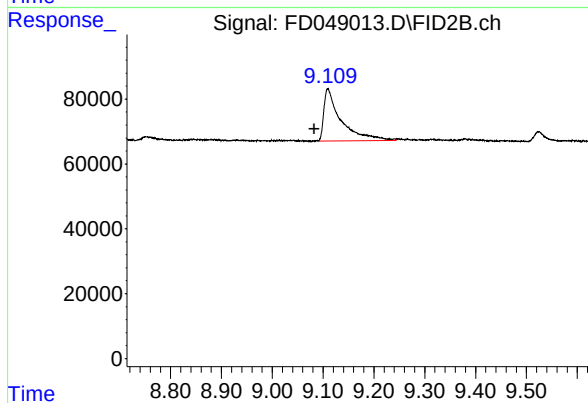
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.206 min
Delta R.T.: -0.004 min
Response: 5123287
Conc: 60.21 ug/ml



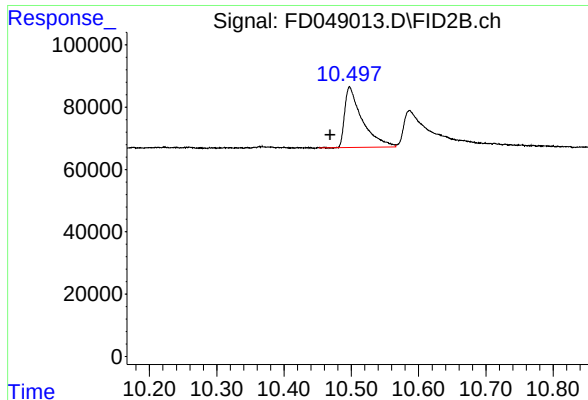
#7 Acenaphthene (C15.5)

R.T.: 8.305 min
Delta R.T.: 0.002 min
Response: 591398
Conc: 3.52 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.109 min
Delta R.T.: 0.026 min
Response: 375398
Conc: 2.40 ug/ml m



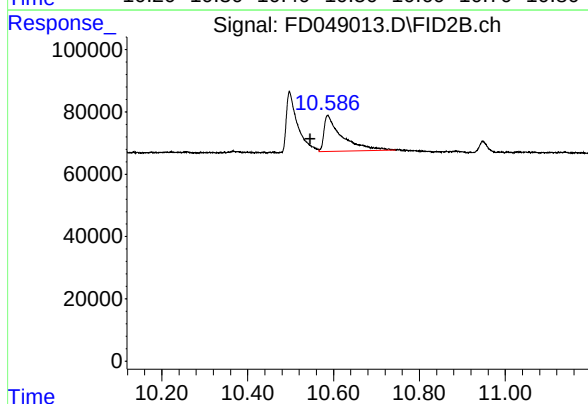
#9 Phenanthrene (C19.36)

R.T.: 10.498 min
Delta R.T.: 0.029 min
Response: 348711
Conc: 2.29 ug/ml

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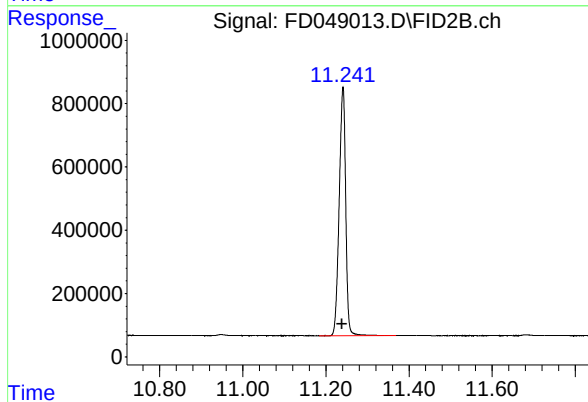
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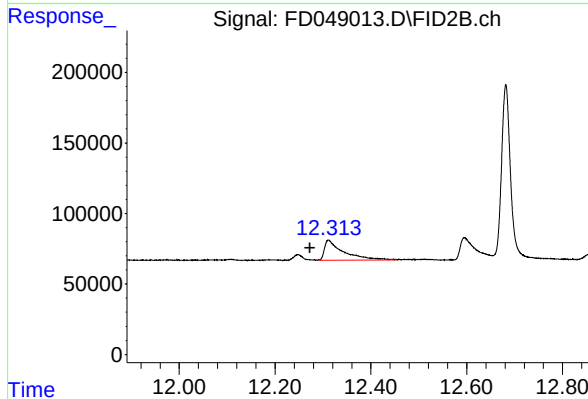
#10 Anthracene (C19.43)

R.T.: 10.587 min
Delta R.T.: 0.041 min
Response: 335916
Conc: 2.21 ug/ml



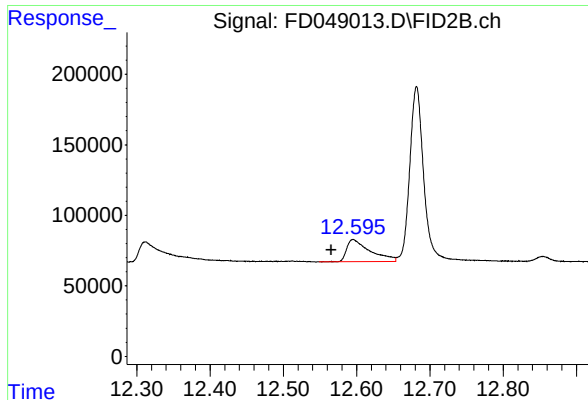
#11 ortho-Terphenyl (SURR)

R.T.: 11.241 min
Delta R.T.: 0.002 min
Response: 8540694
Conc: 51.93 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.313 min
Delta R.T.: 0.040 min
Response: 384720
Conc: 2.45 ug/ml m



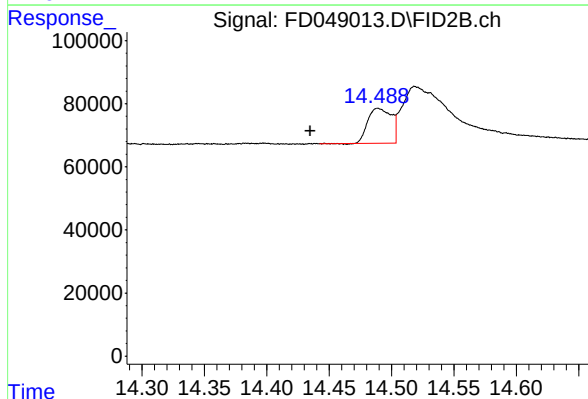
#13 Pyrene (C20.8)

R.T.: 12.595 min
Delta R.T.: 0.030 min
Response: 348638
Conc: 2.21 ug/ml

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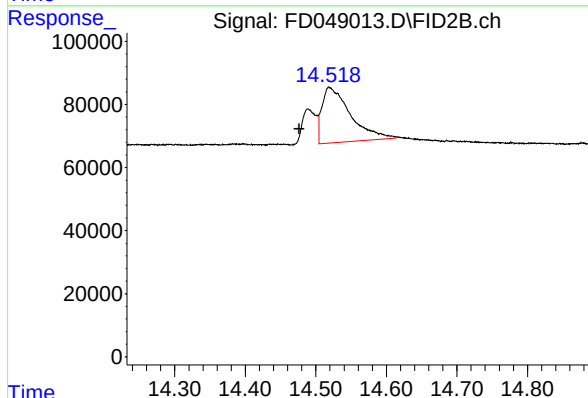
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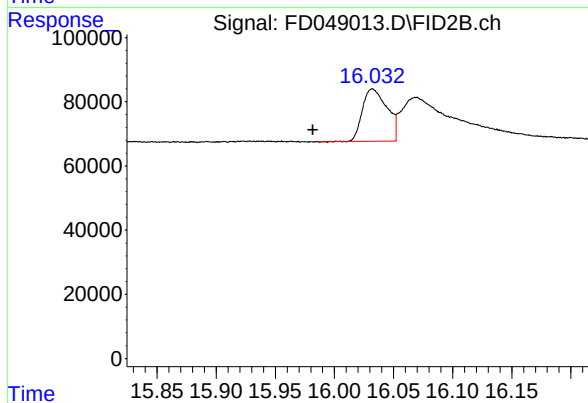
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.489 min
Delta R.T.: 0.054 min
Response: 144938
Conc: 1.13 ug/ml



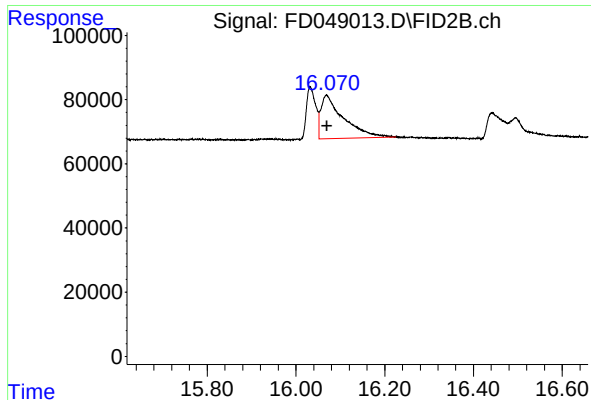
#15 Chrysene (C27.41)

R.T.: 14.518 min
Delta R.T.: 0.041 min
Response: 490586
Conc: 2.90 ug/ml m



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

R.T.: 16.032 min
Delta R.T.: 0.050 min
Response: 236825
Conc: 1.73 ug/ml



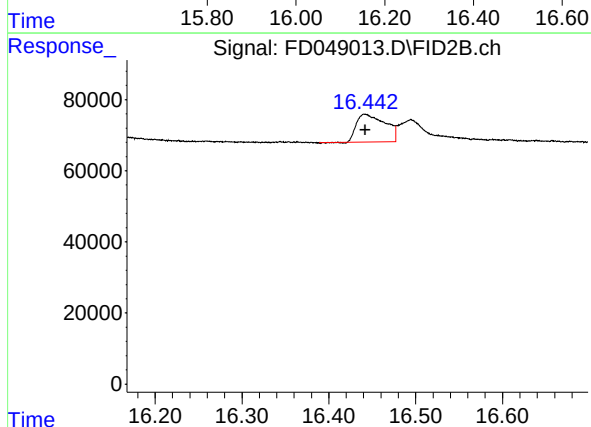
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.069 min
Delta R.T.: -0.001 min
Response: 475287
Conc: 2.93 ug/ml

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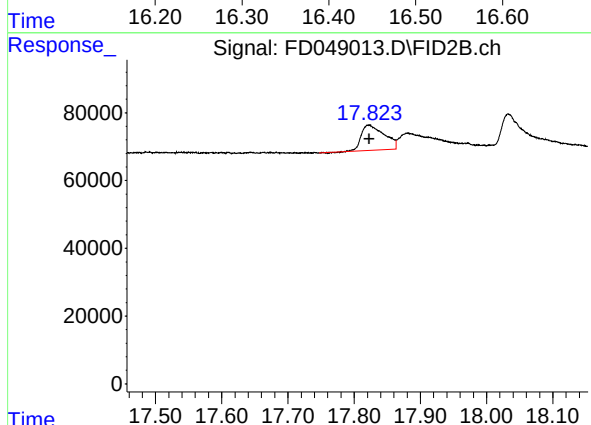
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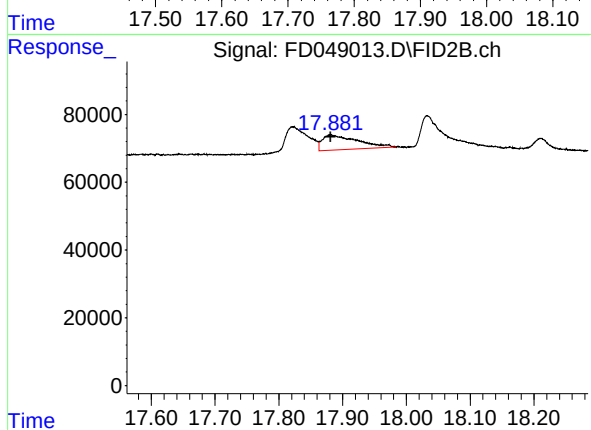
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.442 min
Delta R.T.: 0.000 min
Response: 180928
Conc: 1.30 ug/ml



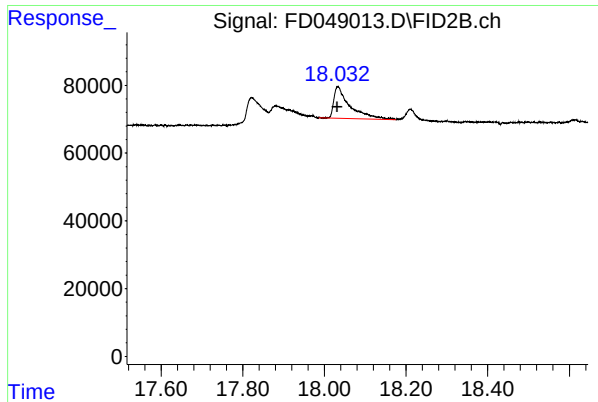
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.823 min
Delta R.T.: 0.000 min
Response: 178254
Conc: 1.71 ug/ml



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

R.T.: 17.881 min
Delta R.T.: 0.000 min
Response: 167501
Conc: 1.17 ug/ml



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

R.T.: 18.033 min
Delta R.T.: 0.000 min
Response: 251476
Conc: 1.76 ug/ml

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