

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AR\
 Data File : FF015996.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 12:55
 Operator : YP\AJ
 Sample : Q2126-02
 Misc : 5 PPM SOIL LOQ
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 02:45:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 04:40:28 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...	8.061	5643777	49.702 ug/ml
Spiked Amount 50.000		Recovery =	99.40%
6) S 2-Fluorobiphenyl (SURR)	8.937	3884999	49.909 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	99.82%
11) S ortho-Terphenyl (SURR)	12.003	6020695	45.511 ug/ml
Spiked Amount 50.000		Recovery =	91.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.660	505860	4.086 ug/ml
2) T Naphthalene (C11.7)	6.333	575308	4.396 ug/ml
3) T 2-Methylnaphthalene (...)	7.430	544787	4.111 ug/ml
5) T Acenaphthylene (C15.06)	8.734	608485	4.611 ug/ml
7) T Acenaphthene (C15.5)	9.034	631006	4.832 ug/ml
8) T Fluorene (C16.55)	9.821	633818	4.873 ug/ml
9) T Phenanthrene (C19.36)	11.226	643819	4.964 ug/ml
10) T Anthracene (C19.43)	11.300	651487	5.045 ug/ml
12) T Fluoranthene (C21.85)	13.046	685632	5.248 ug/mlm
13) T Pyrene (C20.8)	13.345	679585	5.242 ug/ml
14) T Benzo[a]anthracene (C...	15.224	665016	5.275 ug/ml
15) T Chrysene (C27.41)	15.264	680587	5.332 ug/mlm
16) T benzo[b]fluoranthene ...	16.780	647938	5.173 ug/ml
17) T Bnezo[k]fluoranthene ...	16.812	652604	5.508 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.159	623518	5.102 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.529	629117	5.640 ug/ml
20) T Dibenz[a,h]anthracene...	18.571	646560	5.553 ug/ml
21) T Benzo[g,h,i]perylene ...	18.784	603104	5.182 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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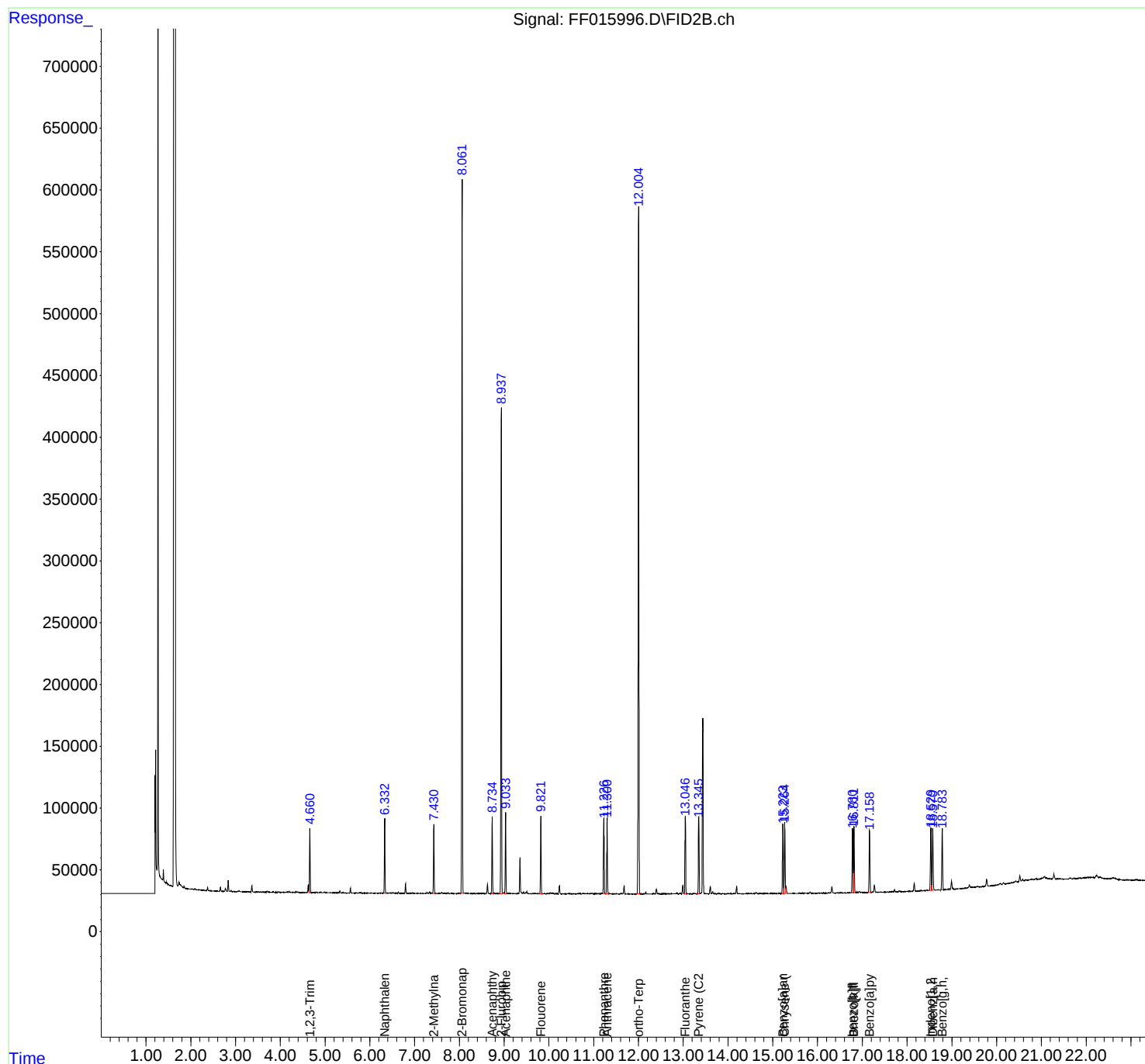
Instrument :
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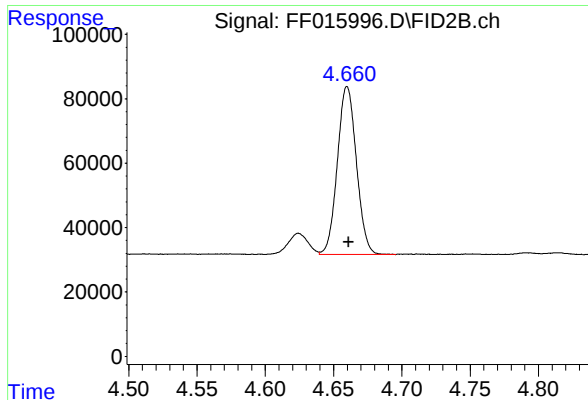
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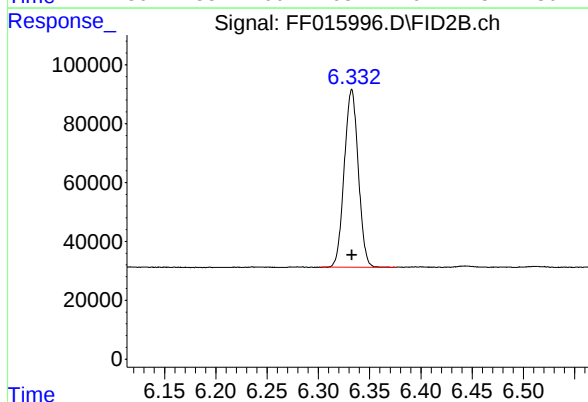
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.660 min
Delta R.T.: 0.000 min
Response: 505860
Conc: 4.09 ug/ml

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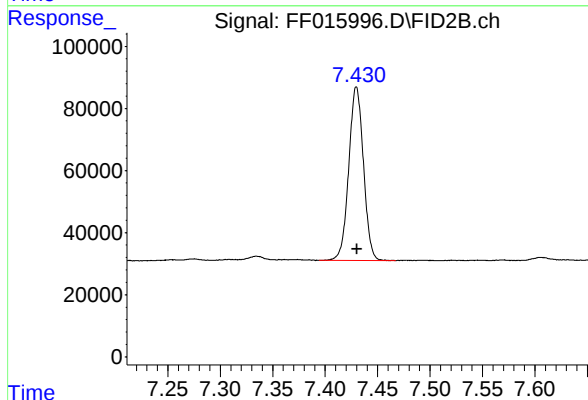
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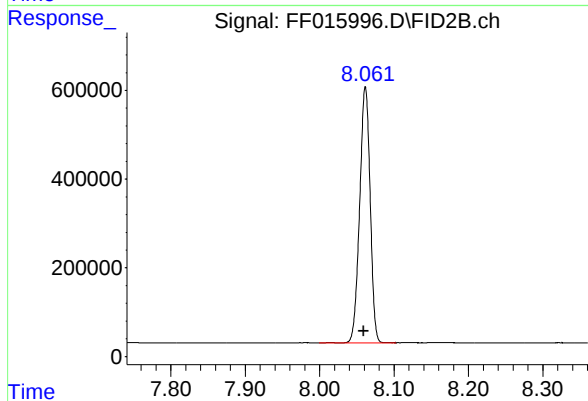
#2 Naphthalene (C11.7)

R.T.: 6.333 min
Delta R.T.: 0.000 min
Response: 575308
Conc: 4.40 ug/ml



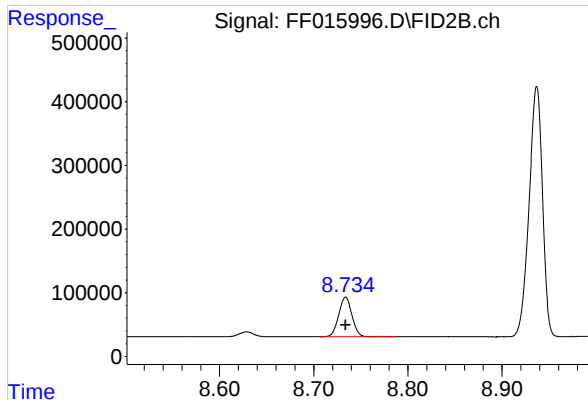
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.430 min
Delta R.T.: 0.000 min
Response: 544787
Conc: 4.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.061 min
Delta R.T.: 0.002 min
Response: 5643777
Conc: 49.70 ug/ml



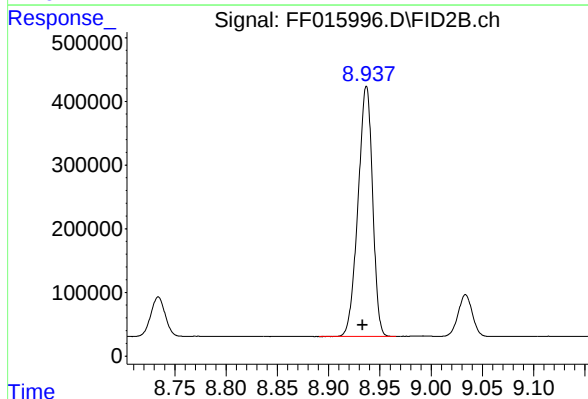
#5 Acenaphthylene (C15.06)

R.T.: 8.734 min
Delta R.T.: 0.000 min
Response: 608485
Conc: 4.61 ug/ml

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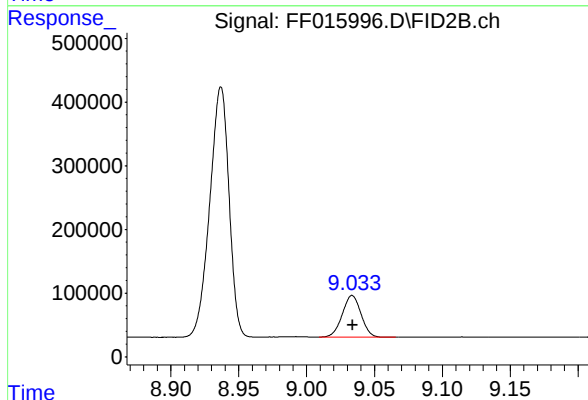
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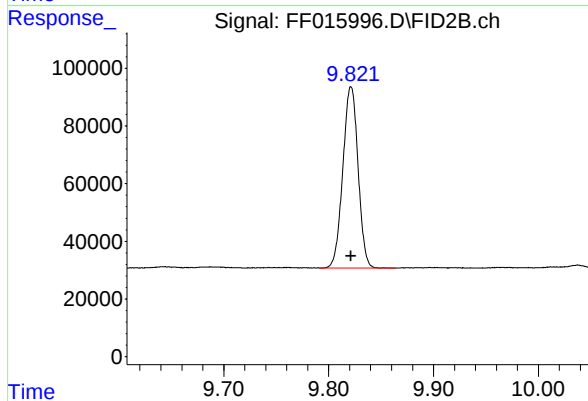
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.937 min
Delta R.T.: 0.004 min
Response: 3884999
Conc: 49.91 ug/ml



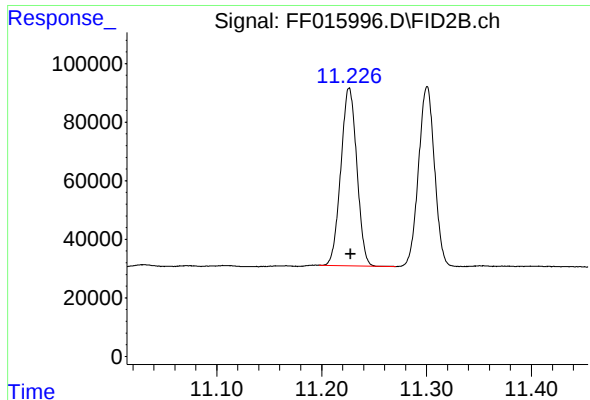
#7 Acenaphthene (C15.5)

R.T.: 9.034 min
Delta R.T.: 0.000 min
Response: 631006
Conc: 4.83 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.821 min
Delta R.T.: 0.000 min
Response: 633818
Conc: 4.87 ug/ml



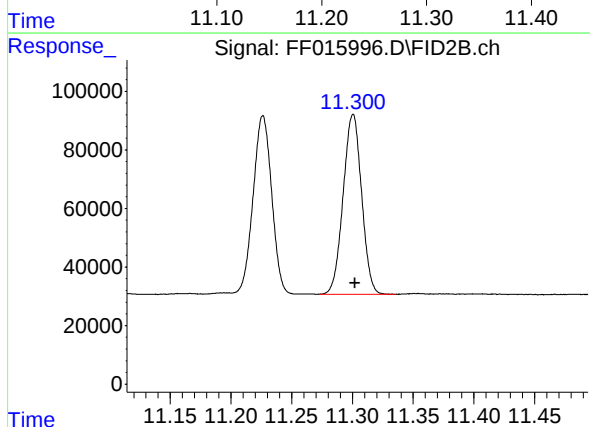
#9 Phenanthrene (C19.36)

R.T.: 11.226 min
Delta R.T.: -0.001 min
Response: 643819
Conc: 4.96 ug/ml

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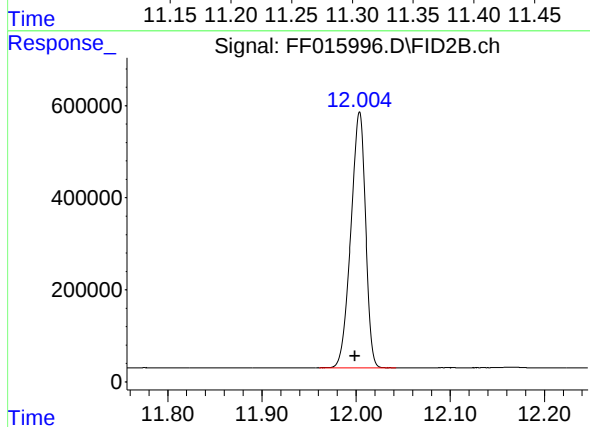
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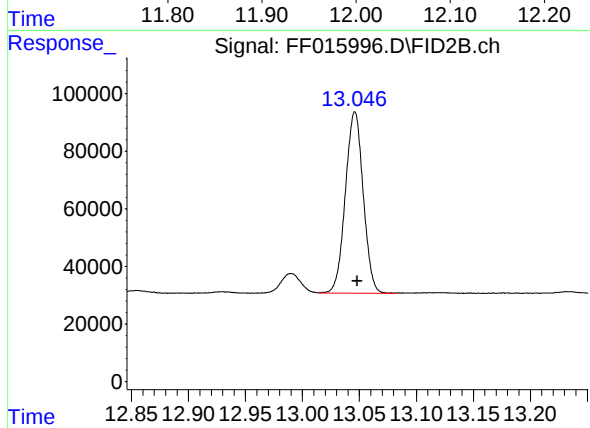
#10 Anthracene (C19.43)

R.T.: 11.300 min
Delta R.T.: -0.002 min
Response: 651487
Conc: 5.04 ug/ml



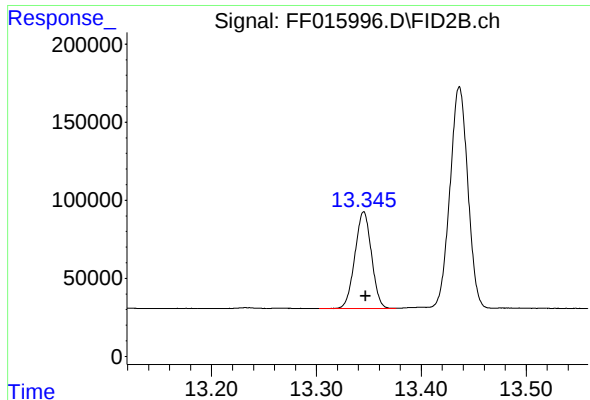
#11 ortho-Terphenyl (SURRE)

R.T.: 12.003 min
Delta R.T.: 0.005 min
Response: 6020695
Conc: 45.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.046 min
Delta R.T.: -0.003 min
Response: 685632
Conc: 5.25 ug/ml m



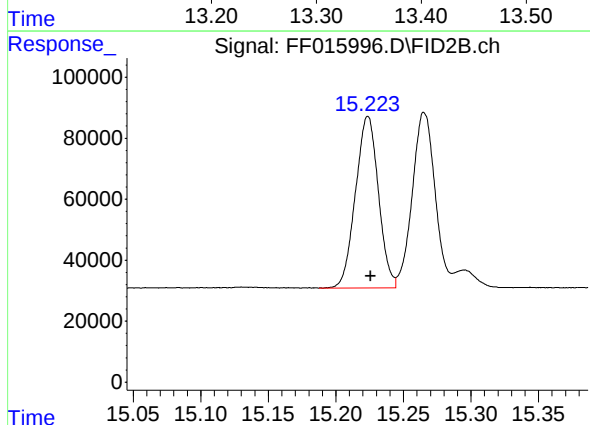
#13 Pyrene (C20.8)

R.T.: 13.345 min
Delta R.T.: -0.002 min
Response: 679585
Conc: 5.24 ug/ml

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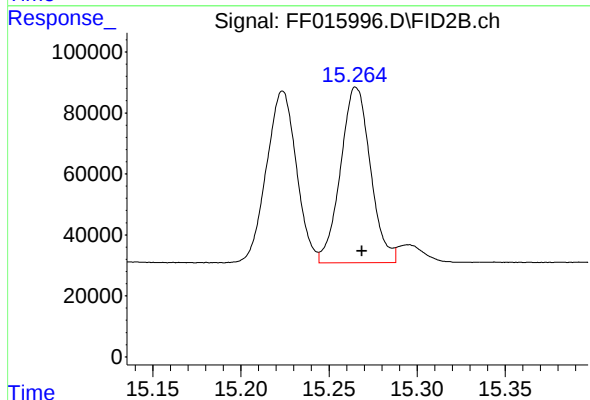
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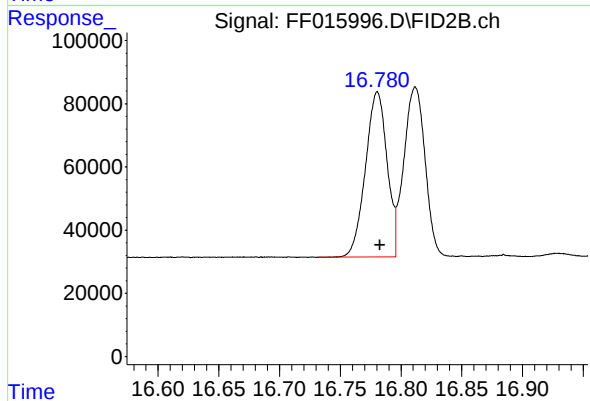
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.224 min
Delta R.T.: -0.002 min
Response: 665016
Conc: 5.27 ug/ml



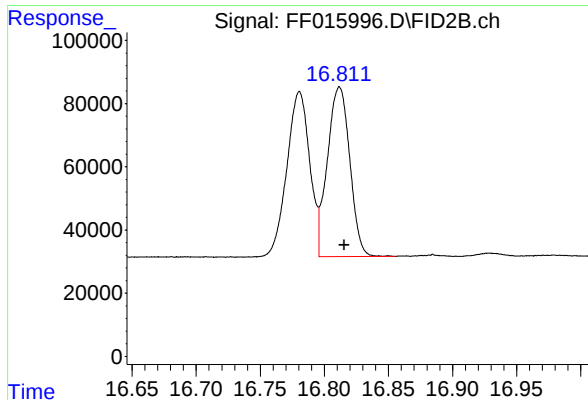
#15 Chrysene (C27.41)

R.T.: 15.264 min
Delta R.T.: -0.004 min
Response: 680587
Conc: 5.33 ug/ml m



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

R.T.: 16.780 min
Delta R.T.: -0.002 min
Response: 647938
Conc: 5.17 ug/ml



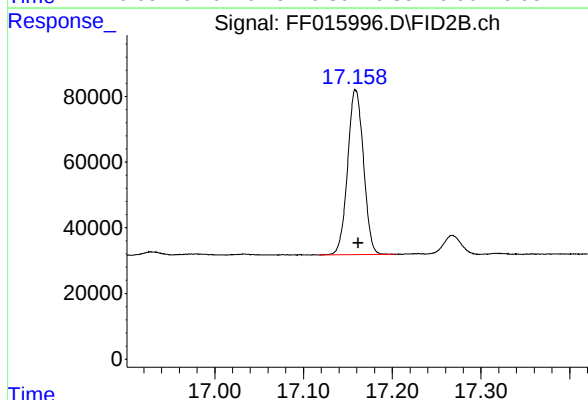
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.812 min
Delta R.T.: -0.004 min
Response: 652604
Conc: 5.51 ug/ml

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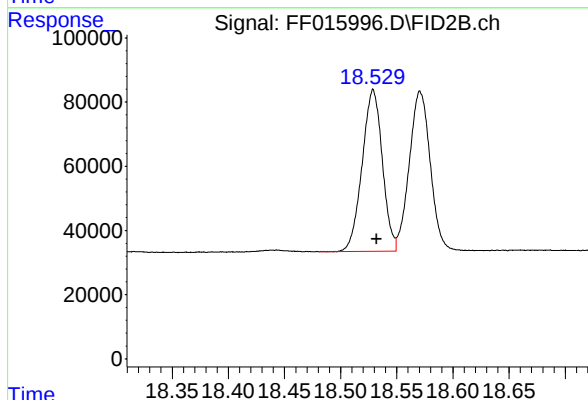
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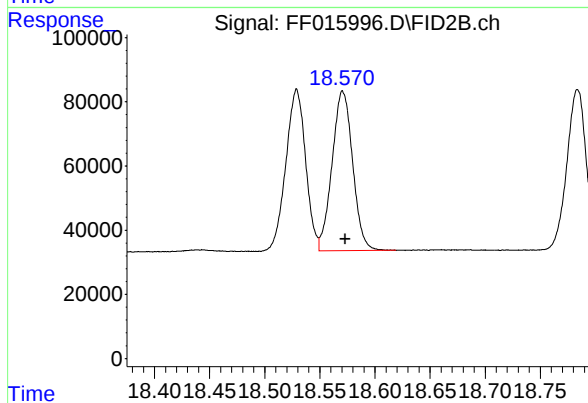
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.159 min
Delta R.T.: -0.003 min
Response: 623518
Conc: 5.10 ug/ml



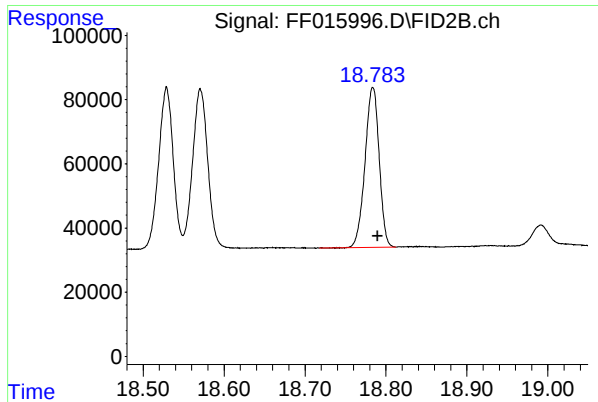
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.529 min
Delta R.T.: -0.003 min
Response: 629117
Conc: 5.64 ug/ml



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

R.T.: 18.571 min
Delta R.T.: -0.002 min
Response: 646560
Conc: 5.55 ug/ml



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

R.T.: 18.784 min
Delta R.T.: -0.006 min
Response: 603104
Conc: 5.18 ug/ml

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