

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061625AR\
 Data File : FF015997.D
 Signal(s) : FID2B.ch
 Acq On : 16 Jun 2025 13:29
 Operator : YP\AJ
 Sample : Q2126-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 LOD-MDL-WATER-01-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 02:45:46 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...	8.060	6789822	59.795 ug/ml
Spiked Amount 50.000		Recovery =	119.59%
6) S 2-Fluorobiphenyl (SURR)	8.935	4648484	59.717 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	119.43%
11) S ortho-Terphenyl (SURR)	12.002	6893666	52.110 ug/ml
Spiked Amount 50.000		Recovery =	104.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.655	307803	2.486 ug/ml
2) T Naphthalene (C11.7)	6.329	356326	2.723 ug/ml
3) T 2-Methylnaphthalene (...)	7.426	335403	2.531 ug/mlm
5) T Acenaphthylene (C15.06)	8.731	368590	2.793 ug/mlm
7) T Acenaphthene (C15.5)	9.031	375535	2.876 ug/ml
8) T Fluorene (C16.55)	9.819	379336	2.916 ug/ml
9) T Phenanthrene (C19.36)	11.224	367305	2.832 ug/ml
10) T Anthracene (C19.43)	11.298	369466	2.861 ug/ml
12) T Fluoranthene (C21.85)	13.045	389838	2.984 ug/mlm
13) T Pyrene (C20.8)	13.343	387180	2.986 ug/mlm
14) T Benzo[a]anthracene (C...	15.221	372951	2.958 ug/mlm
15) T Chrysene (C27.41)	15.263	382936	3.000 ug/mlm
16) T benzo[b]fluoranthene ...	16.779	362007	2.890 ug/ml
17) T Bnezo[k]fluoranthene ...	16.810	371478	3.135 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.159	350921	2.872 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.528	350231	3.140 ug/ml
20) T Dibenz[a,h]anthracene...	18.571	397379	3.413 ug/ml
21) T Benzo[g,h,i]perylene ...	18.783	337928	2.903 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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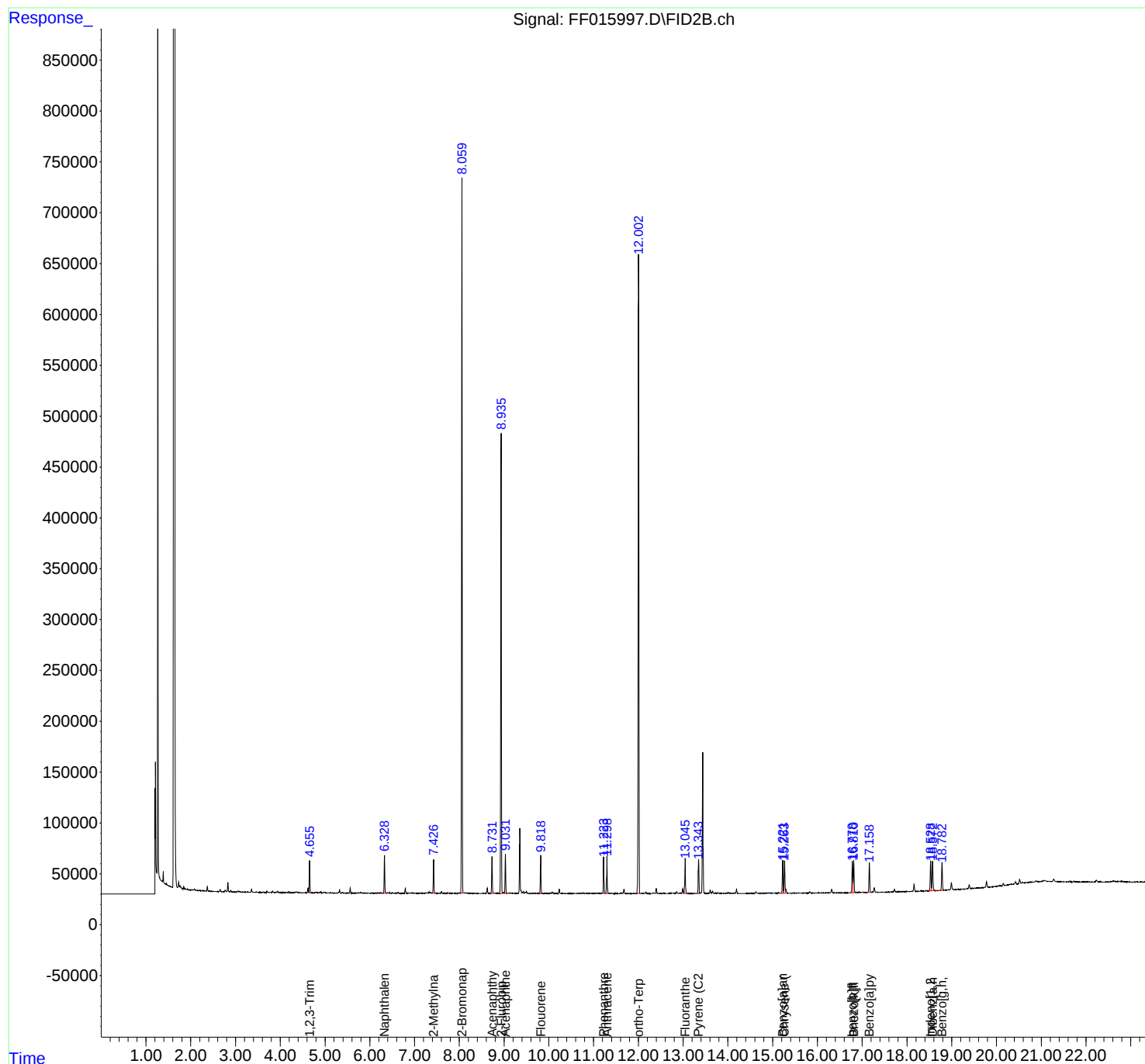
Instrument :
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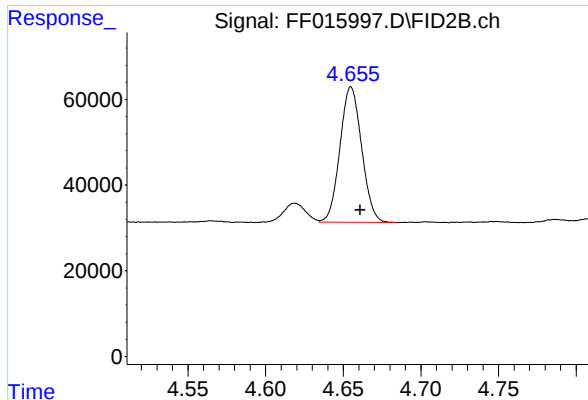
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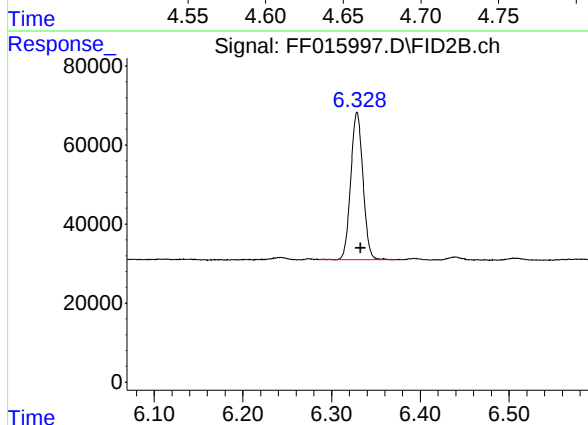
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.655 min
Delta R.T.: -0.006 min
Response: 307803
Conc: 2.49 ug/ml

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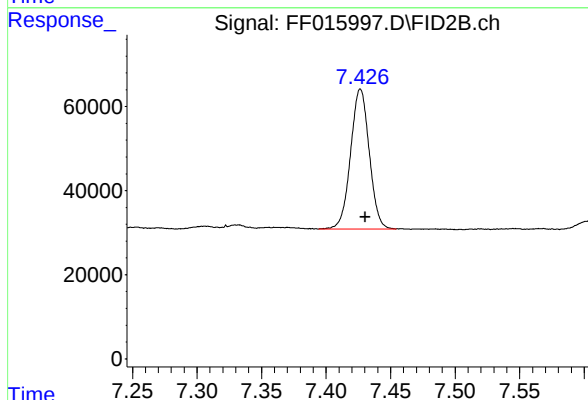
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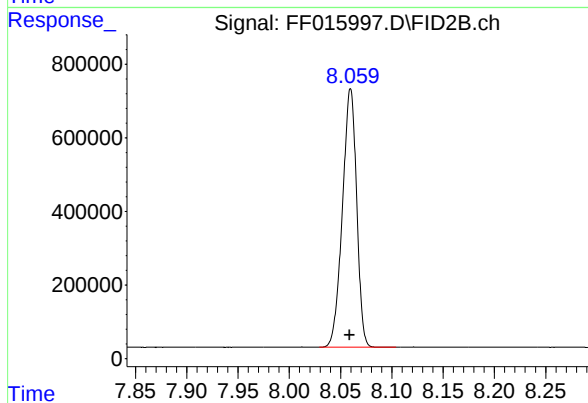
#2 Naphthalene (C11.7)

R.T.: 6.329 min
Delta R.T.: -0.004 min
Response: 356326
Conc: 2.72 ug/ml



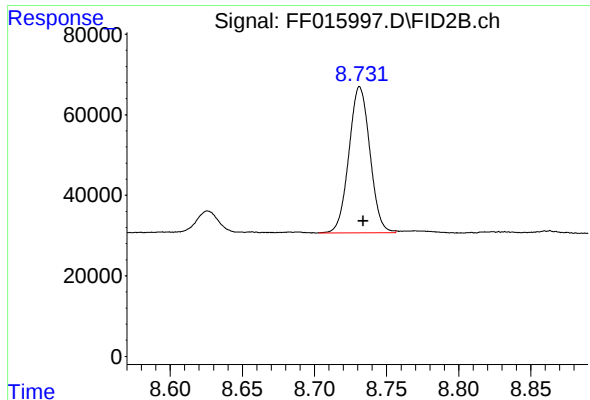
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.426 min
Delta R.T.: -0.004 min
Response: 335403
Conc: 2.53 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 8.060 min
Delta R.T.: 0.000 min
Response: 6789822
Conc: 59.79 ug/ml



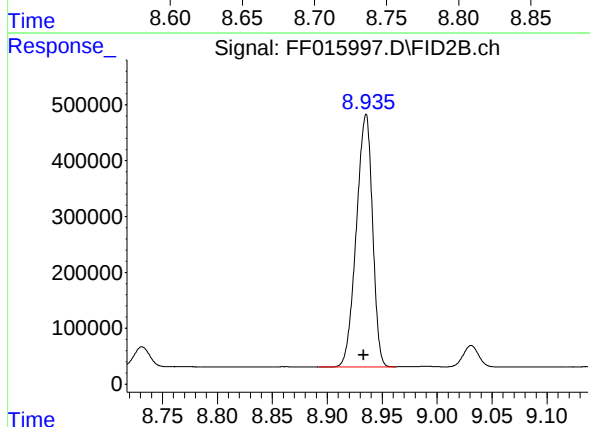
#5 Acenaphthylene (C15.06)

R.T.: 8.731 min
Delta R.T.: -0.003 min
Response: 368590
Conc: 2.79 ug/ml

Instrument : FID_F
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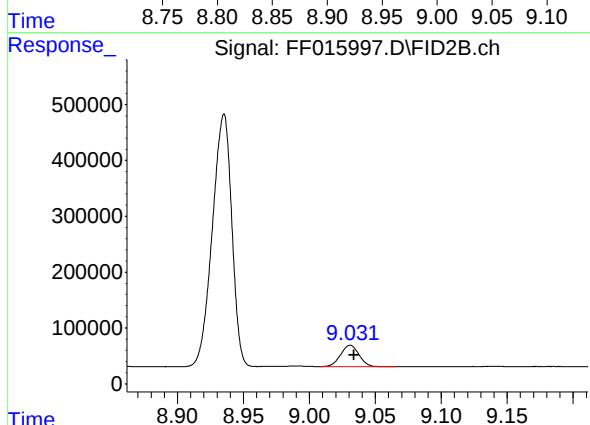
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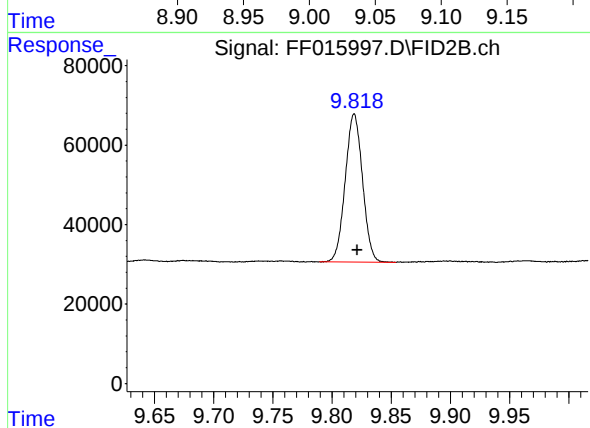
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.935 min
Delta R.T.: 0.002 min
Response: 4648484
Conc: 59.72 ug/ml



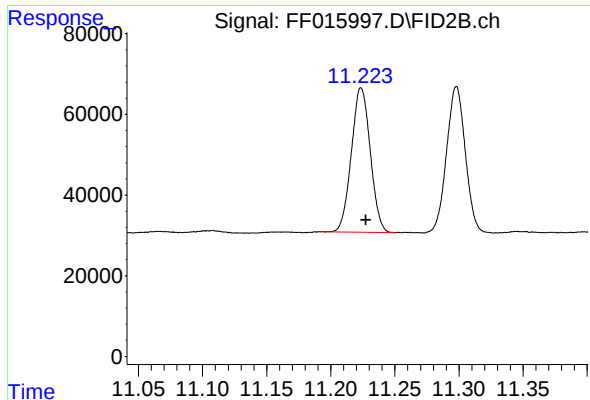
#7 Acenaphthene (C15.5)

R.T.: 9.031 min
Delta R.T.: -0.003 min
Response: 375535
Conc: 2.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.819 min
Delta R.T.: -0.003 min
Response: 379336
Conc: 2.92 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.224 min
Delta R.T.: -0.004 min
Response: 367305
Conc: 2.83 ug/ml

Instrument :

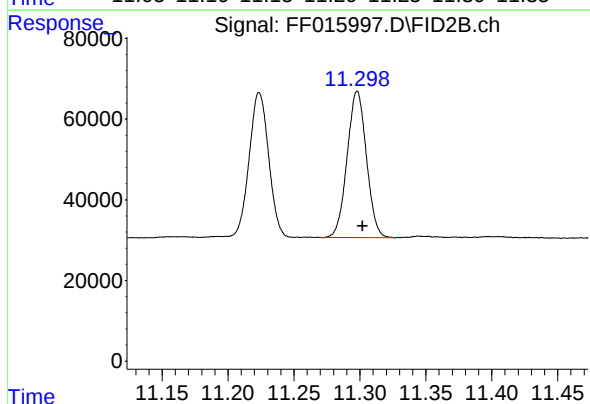
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ClientSampleId :

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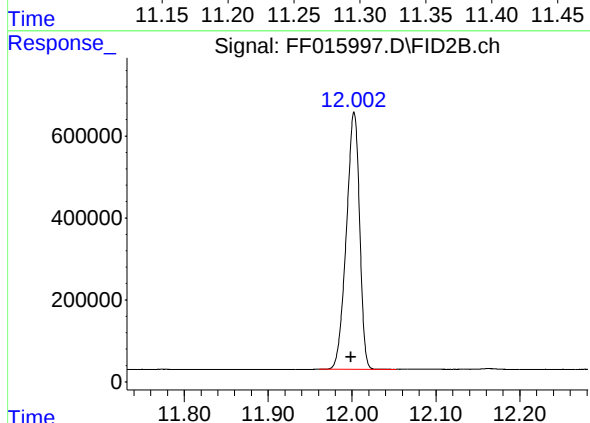
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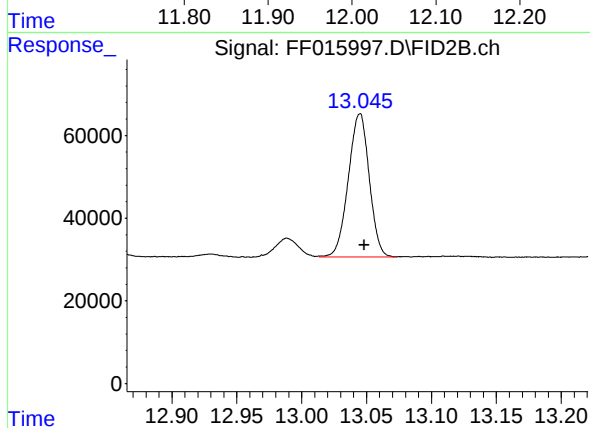
#10 Anthracene (C19.43)

R.T.: 11.298 min
Delta R.T.: -0.004 min
Response: 369466
Conc: 2.86 ug/ml



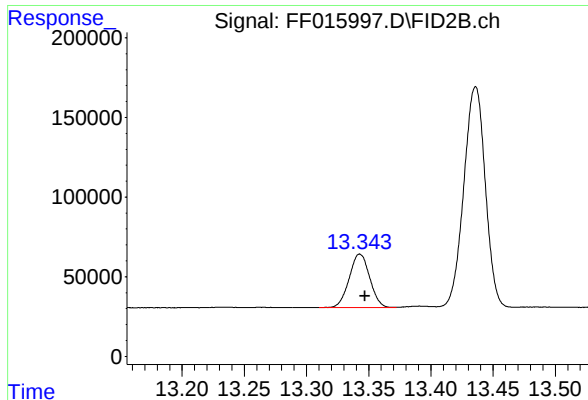
#11 ortho-Terphenyl (SURR)

R.T.: 12.002 min
Delta R.T.: 0.004 min
Response: 6893666
Conc: 52.11 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.045 min
Delta R.T.: -0.003 min
Response: 389838
Conc: 2.98 ug/ml m



#13 Pyrene (C20.8)

R.T.: 13.343 min
Delta R.T.: -0.004 min
Response: 387180
Conc: 2.99 ug/ml

Instrument :

FID_F

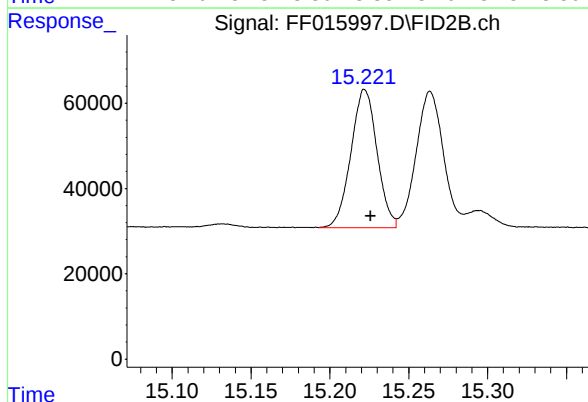
ClientSampleId :

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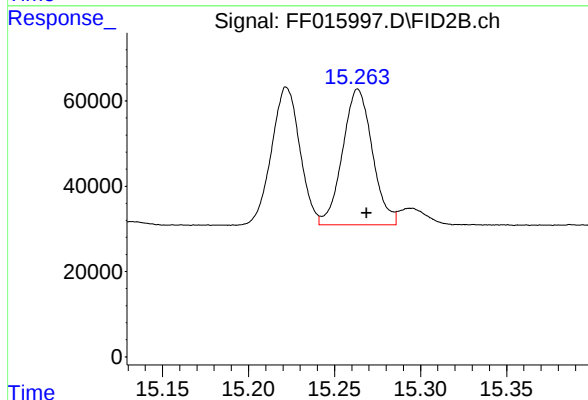
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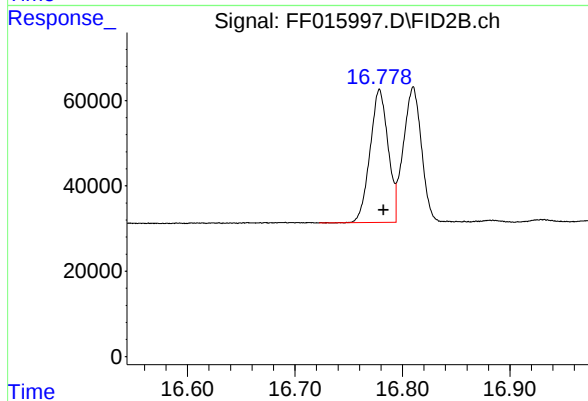
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.221 min
Delta R.T.: -0.004 min
Response: 372951
Conc: 2.96 ug/ml



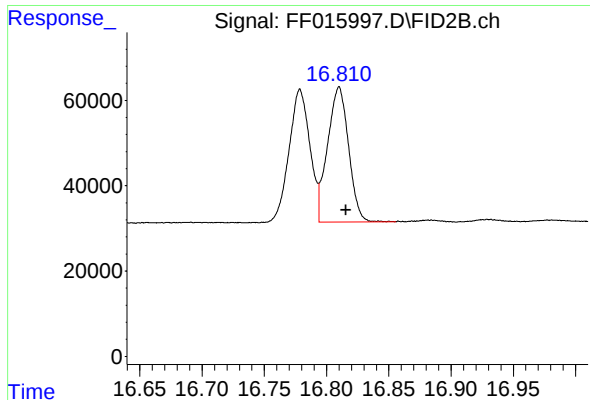
#15 Chrysene (C27.41)

R.T.: 15.263 min
Delta R.T.: -0.006 min
Response: 382936
Conc: 3.00 ug/ml



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

R.T.: 16.779 min
Delta R.T.: -0.004 min
Response: 362007
Conc: 2.89 ug/ml



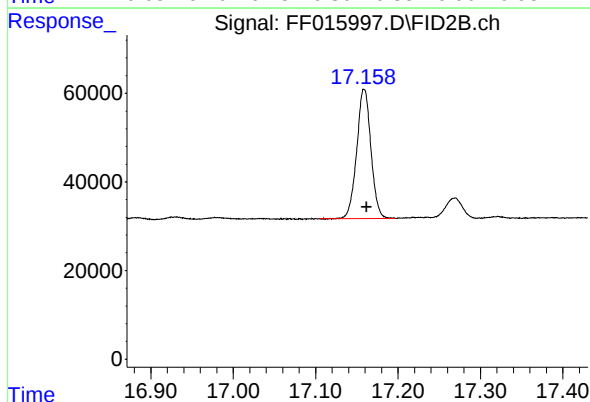
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.810 min
Delta R.T.: -0.006 min
Response: 371478
Conc: 3.14 ug/ml

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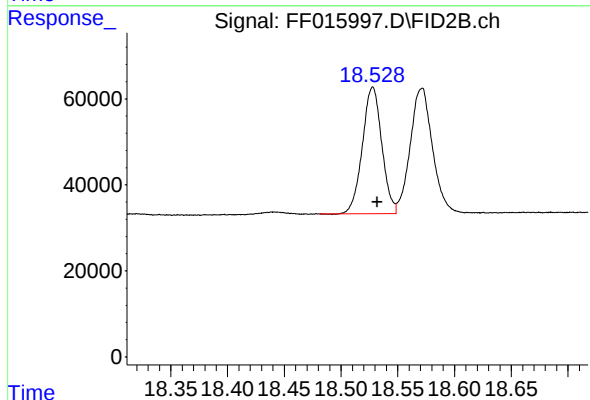
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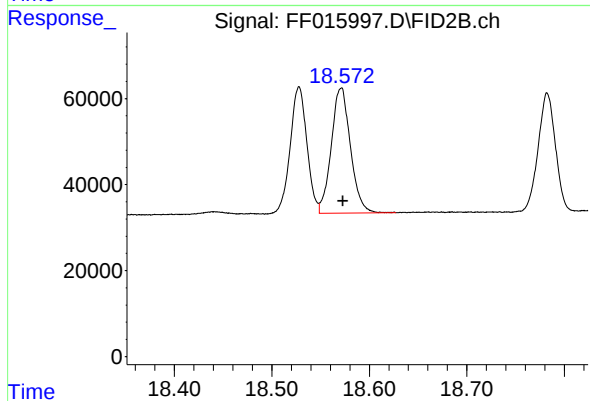
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.159 min
Delta R.T.: -0.003 min
Response: 350921
Conc: 2.87 ug/ml



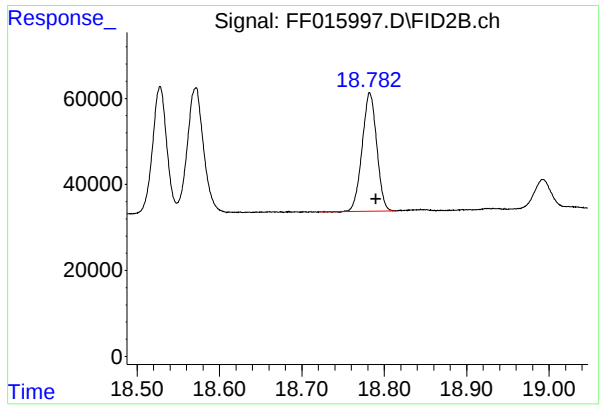
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.528 min
Delta R.T.: -0.004 min
Response: 350231
Conc: 3.14 ug/ml



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

R.T.: 18.571 min
Delta R.T.: -0.002 min
Response: 397379
Conc: 3.41 ug/ml



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

R.T.: 18.783 min
Delta R.T.: -0.007 min
Response: 337928
Conc: 2.90 ug/ml

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