

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF061725AR\
 Data File : FF016028.D
 Signal(s) : FID2B.ch
 Acq On : 17 Jun 2025 15:22
 Operator : YP\AJ
 Sample : Q2126-09
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File: autoint1.e
 Quant Time: Jun 18 04:05:51 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...	8.062	7209338	63.489 ug/ml
Spiked Amount 50.000		Recovery =	126.98%
6) S 2-Fluorobiphenyl (SURR)	8.937	4936764	63.420 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	126.84%
11) S ortho-Terphenyl (SURR)	12.004	7299457	55.177 ug/ml
Spiked Amount 50.000		Recovery =	110.35%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.659	324926	2.624 ug/ml
2) T Naphthalene (C11.7)	6.331	377977	2.888 ug/ml
3) T 2-Methylnaphthalene (...)	7.429	355949	2.686 ug/ml
5) T Acenaphthylene (C15.06)	8.733	383646	2.907 ug/ml
7) T Acenaphthene (C15.5)	9.032	398460	3.052 ug/ml
8) T Fluorene (C16.55)	9.820	402288	3.093 ug/ml
9) T Phenanthrene (C19.36)	11.226	391201	3.017 ug/ml
10) T Anthracene (C19.43)	11.300	393281	3.045 ug/ml
12) T Fluoranthene (C21.85)	13.046	412144	3.154 ug/mlm
13) T Pyrene (C20.8)	13.344	407838	3.146 ug/mlm
14) T Benzo[a]anthracene (C...	15.224	399642	3.170 ug/ml
15) T Chrysene (C27.41)	15.265	409870	3.211 ug/ml
16) T benzo[b]fluoranthene ...	16.780	388371	3.101 ug/ml
17) T Bnezo[k]fluoranthene ...	16.811	399048	3.368 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.160	372567	3.049 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.529	372305	3.338 ug/ml
20) T Dibenz[a,h]anthracene...	18.572	443510	3.809 ug/ml
21) T Benzo[g,h,i]perylene ...	18.784	361607	3.107 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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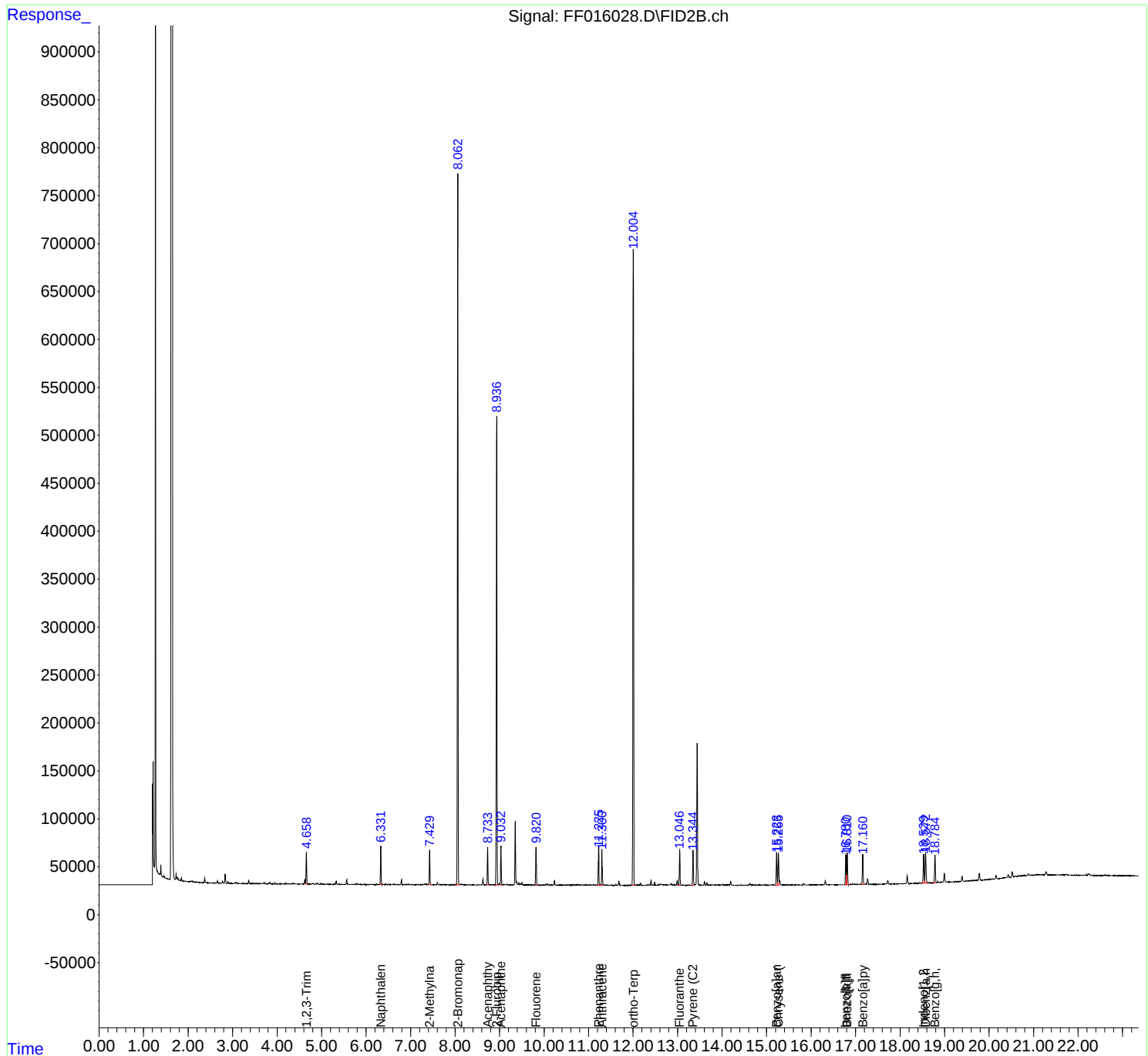
Instrument :
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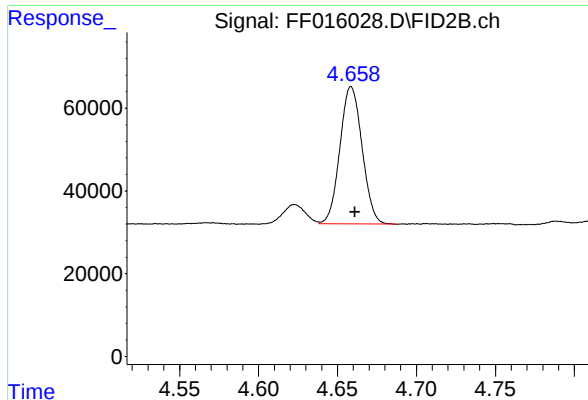
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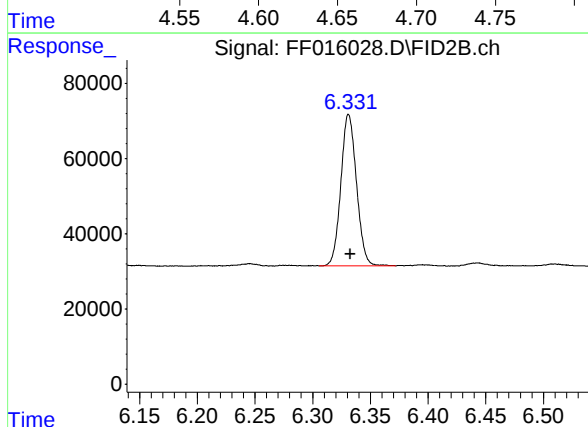
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.659 min
Delta R.T.: -0.002 min
Response: 324926
Conc: 2.62 ug/ml

Instrument : FID_F
ClientSampleId : MDL-WATER-03-QT2-2025

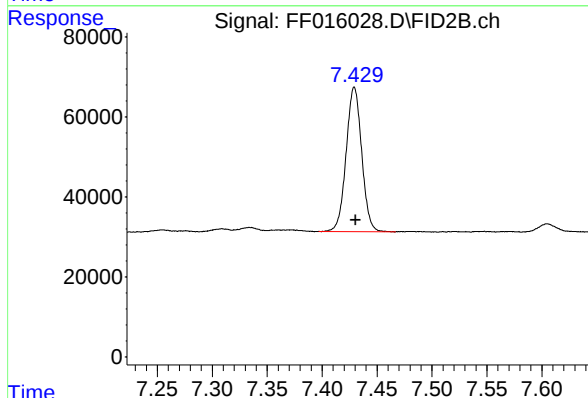
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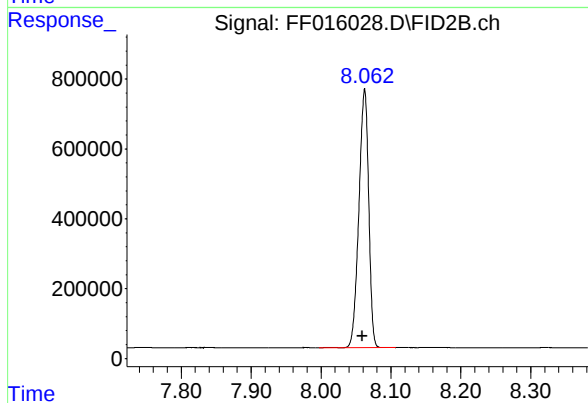
#2 Naphthalene (C11.7)

R.T.: 6.331 min
Delta R.T.: -0.001 min
Response: 377977
Conc: 2.89 ug/ml



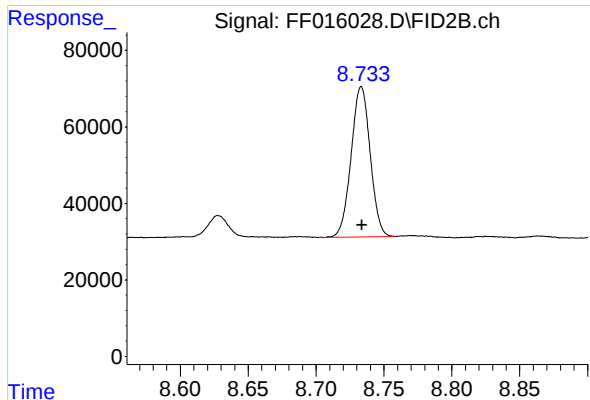
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.429 min
Delta R.T.: -0.001 min
Response: 355949
Conc: 2.69 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.062 min
Delta R.T.: 0.003 min
Response: 7209338
Conc: 63.49 ug/ml



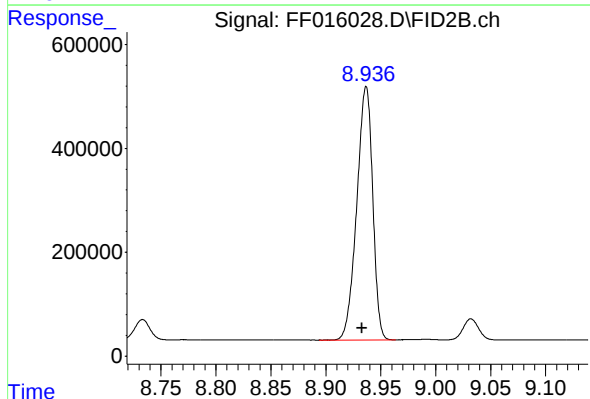
#5 Acenaphthylene (C15.06)

R.T.: 8.733 min
Delta R.T.: 0.000 min
Response: 383646
Conc: 2.91 ug/ml

Instrument :
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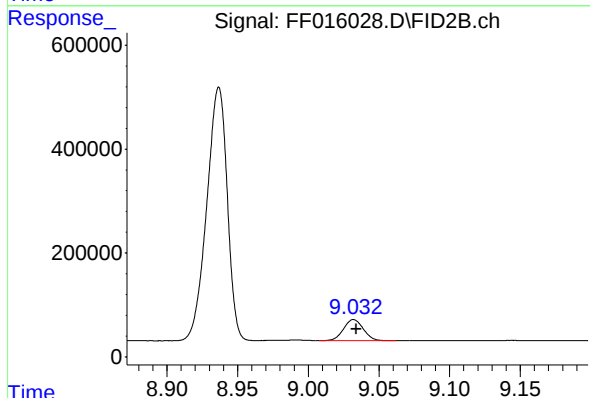
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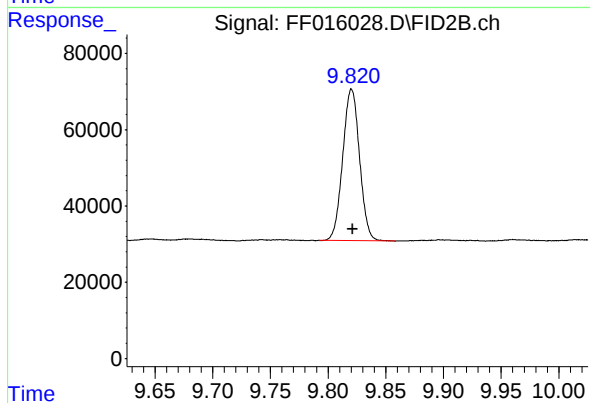
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.937 min
Delta R.T.: 0.003 min
Response: 4936764
Conc: 63.42 ug/ml



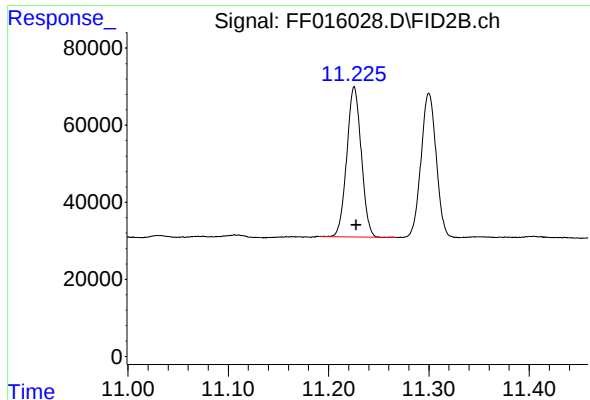
#7 Acenaphthene (C15.5)

R.T.: 9.032 min
Delta R.T.: -0.002 min
Response: 398460
Conc: 3.05 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.820 min
Delta R.T.: -0.001 min
Response: 402288
Conc: 3.09 ug/ml



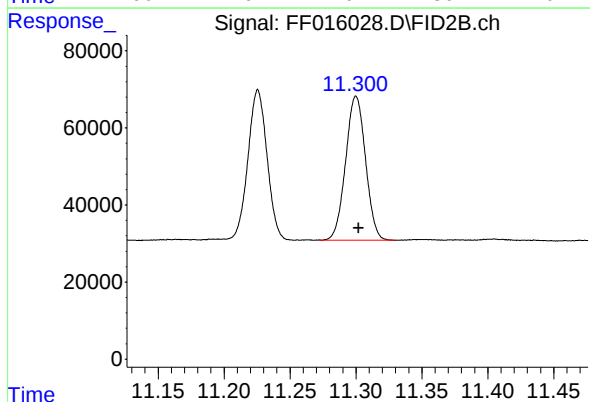
#9 Phenanthrene (C19.36)

R.T.: 11.226 min
Delta R.T.: -0.002 min
Response: 391201
Conc: 3.02 ug/ml

Instrument :
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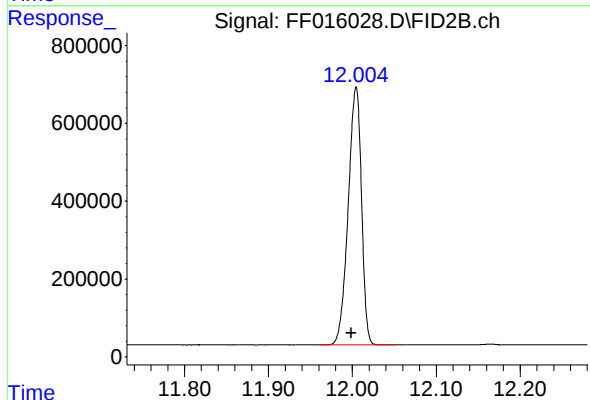
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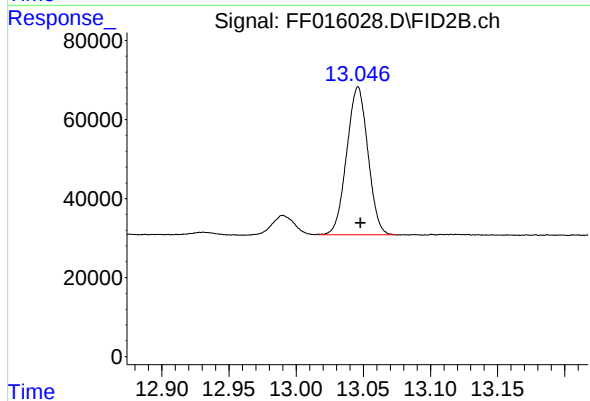
#10 Anthracene (C19.43)

R.T.: 11.300 min
Delta R.T.: -0.002 min
Response: 393281
Conc: 3.05 ug/ml



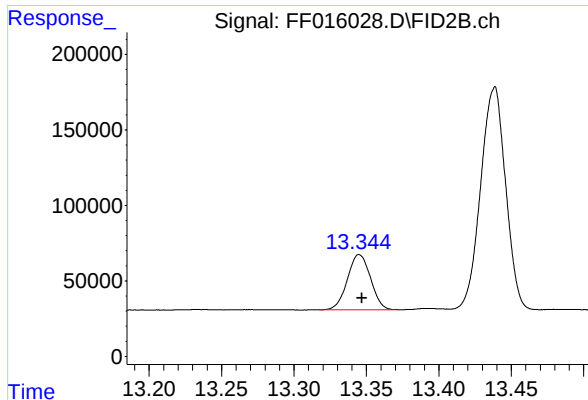
#11 ortho-Terphenyl (SURRE)

R.T.: 12.004 min
Delta R.T.: 0.005 min
Response: 7299457
Conc: 55.18 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.046 min
Delta R.T.: -0.002 min
Response: 412144
Conc: 3.15 ug/ml m



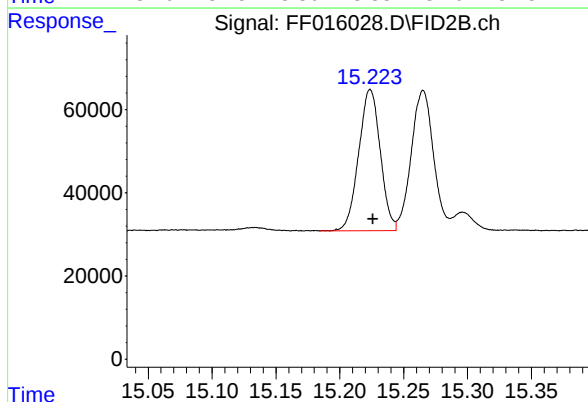
#13 Pyrene (C20.8)

R.T.: 13.344 min
Delta R.T.: -0.003 min
Response: 407838
Conc: 3.15 ug/ml

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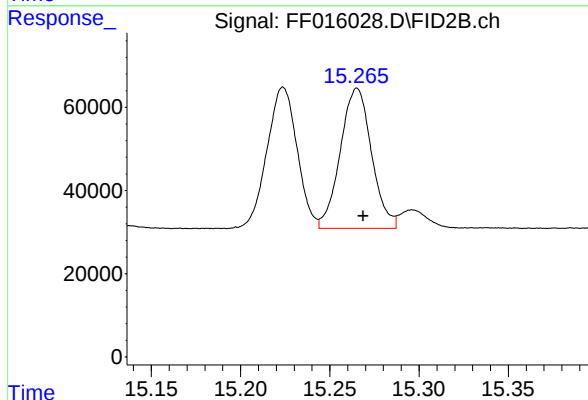
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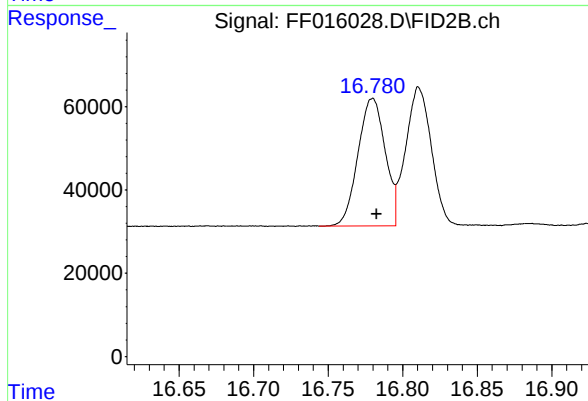
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.224 min
Delta R.T.: -0.002 min
Response: 399642
Conc: 3.17 ug/ml



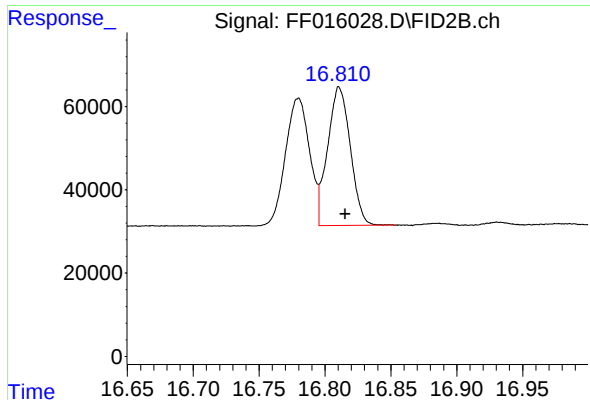
#15 Chrysene (C27.41)

R.T.: 15.265 min
Delta R.T.: -0.004 min
Response: 409870
Conc: 3.21 ug/ml



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

R.T.: 16.780 min
Delta R.T.: -0.003 min
Response: 388371
Conc: 3.10 ug/ml



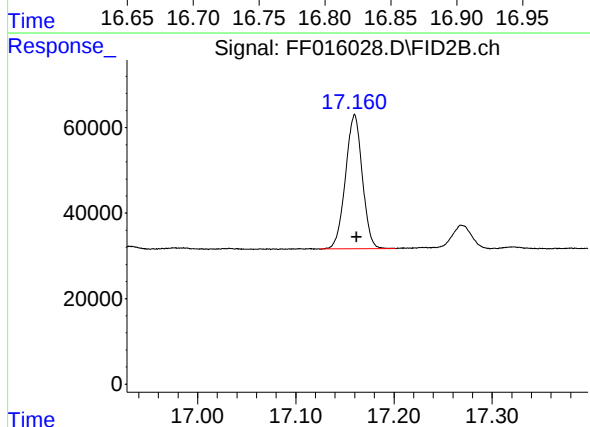
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.811 min
Delta R.T.: -0.005 min
Response: 399048
Conc: 3.37 ug/ml

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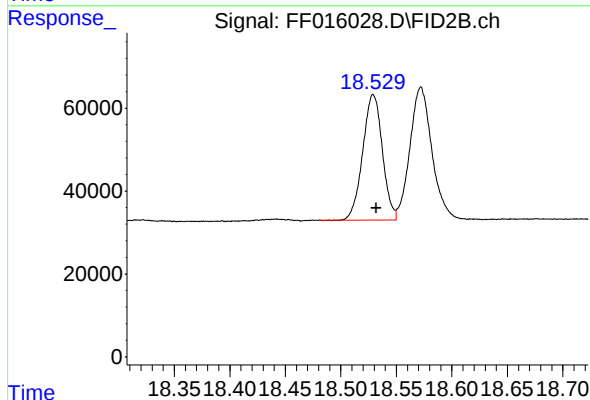
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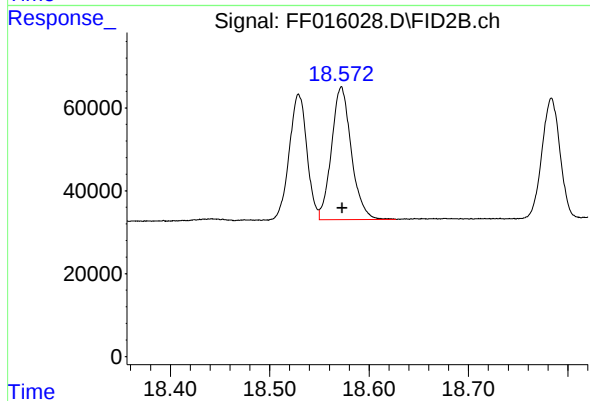
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.160 min
Delta R.T.: -0.002 min
Response: 372567
Conc: 3.05 ug/ml



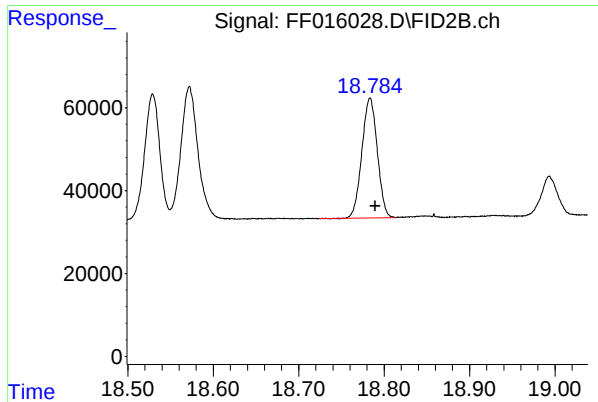
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.529 min
Delta R.T.: -0.003 min
Response: 372305
Conc: 3.34 ug/ml



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

R.T.: 18.572 min
Delta R.T.: -0.001 min
Response: 443510
Conc: 3.81 ug/ml



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

R.T.: 18.784 min
Delta R.T.: -0.006 min
Response: 361607
Conc: 3.11 ug/ml

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