

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082825AR\
 Data File : FD049692.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2025 12:20
 Operator : YP/AJ
 Sample : Q2893-07
 Misc : 2.5PPM WATER LOD
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 02:26:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081125.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 11 14:11:57 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...	7.718	10430159	101.771 ug/ml
Spiked Amount 50.000		Recovery =	203.54%
6) S 2-Fluorobiphenyl (SURR)	8.584	7323731	100.262 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	200.52%#
11) S ortho-Terphenyl (SURR)	11.632	12044862	92.799 ug/ml
Spiked Amount 50.000		Recovery =	185.60%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.507	480373	4.746 ug/ml
2) T Naphthalene (C11.7)	6.049	578103	5.042 ug/ml
3) T 2-Methylnaphthalene (...)	7.102	546880	4.584 ug/ml
5) T Acenaphthylene (C15.06)	8.380	617749	4.914 ug/ml
7) T Acenaphthene (C15.5)	8.676	645712	5.135 ug/mlm
8) T Flouorene (C16.55)	9.456	657388	5.192 ug/ml
9) T Phenanthrene (C19.36)	10.854	660289	5.111 ug/ml
10) T Anthracene (C19.43)	10.928	650753	5.282 ug/ml
12) T Fluoranthene (C21.85)	12.667	689740	5.388 ug/ml
13) T Pyrene (C20.8)	12.965	680562	5.360 ug/ml
14) T Benzo[a]anthracene (C...	14.835	642474	5.568 ug/ml
15) T Chrysene (C27.41)	14.877	675275	5.768 ug/mlm
16) T benzo[b]fluoranthene ...	16.384	641985	5.645 ug/ml
17) T Bnezo[k]fluoranthene ...	16.416	639754	5.976 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.763	623102	5.617 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.126	614493	5.961 ug/ml
20) T Dibenz[a,h]anthracene...	18.167	573541	5.262 ug/ml
21) T Benzo[g,h,i]perylene ...	18.379	611230	5.593 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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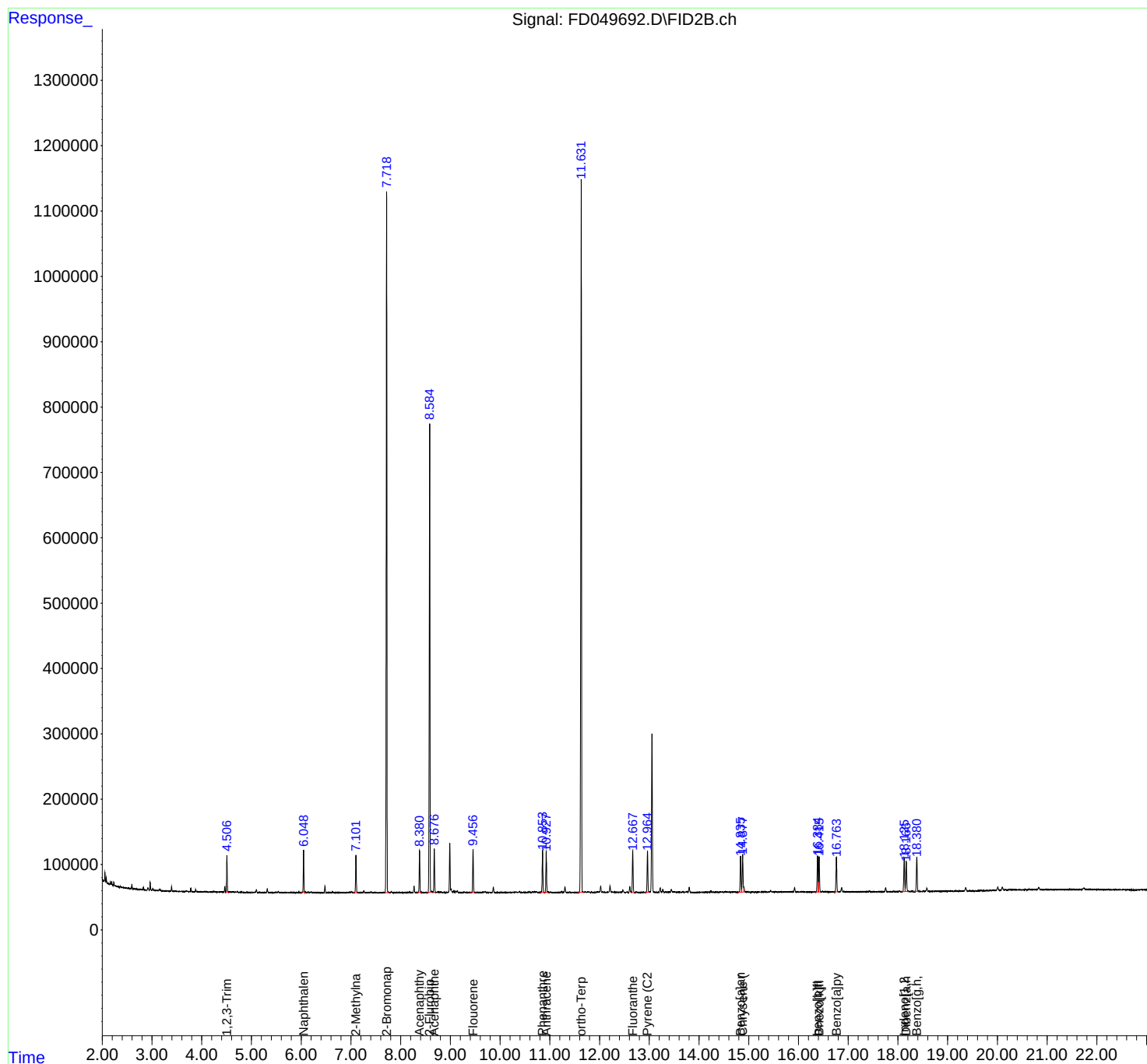
Instrument :
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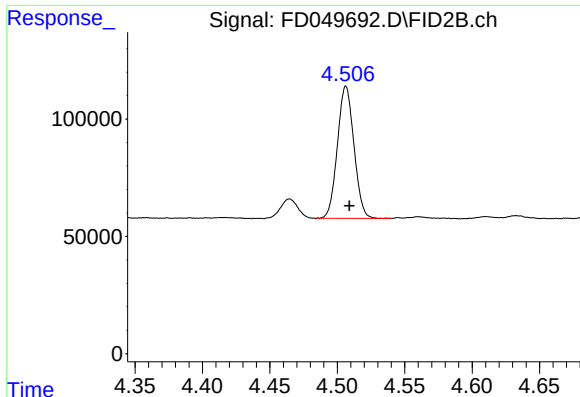
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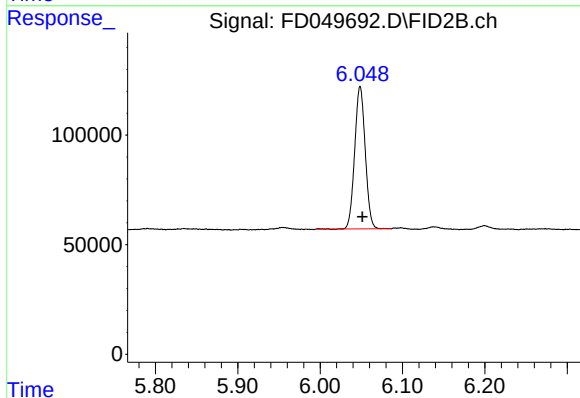
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.507 min
Delta R.T.: -0.003 min
Response: 480373
Conc: 4.75 ug/ml

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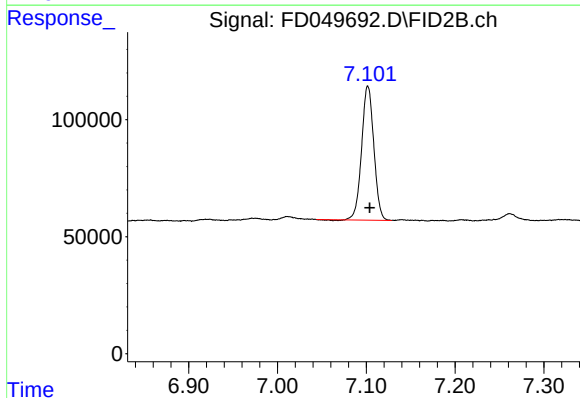
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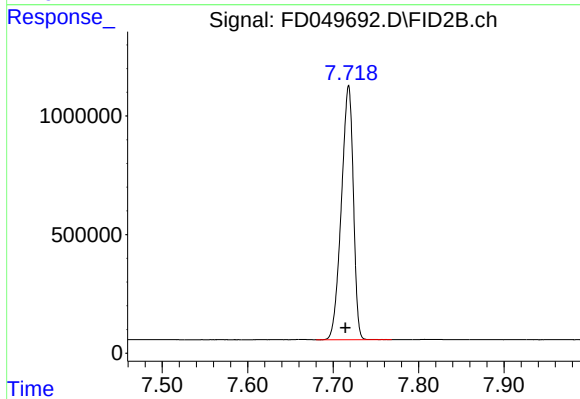
#2 Naphthalene (C11.7)

R.T.: 6.049 min
Delta R.T.: -0.003 min
Response: 578103
Conc: 5.04 ug/ml



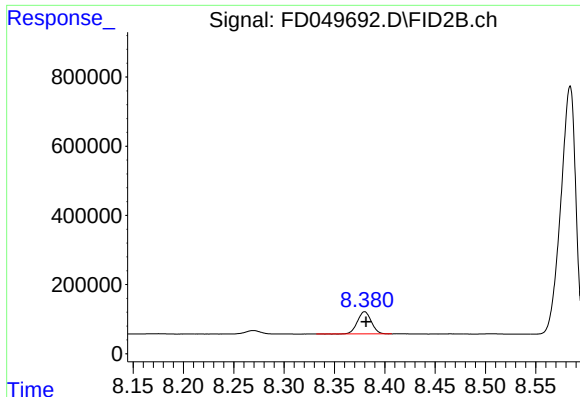
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.102 min
Delta R.T.: -0.002 min
Response: 546880
Conc: 4.58 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.718 min
Delta R.T.: 0.004 min
Response: 10430159
Conc: 101.77 ug/ml



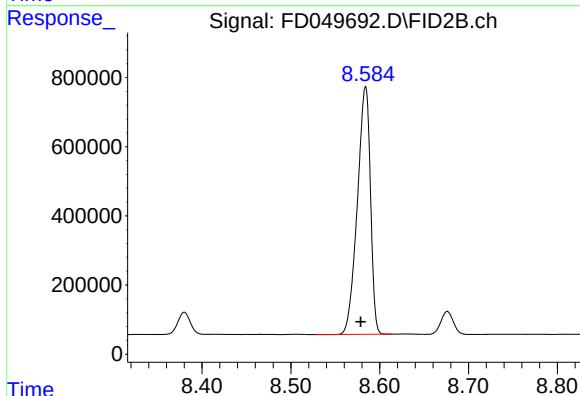
#5 Acenaphthylene (C15.06)

R.T.: 8.380 min
Delta R.T.: -0.001 min
Response: 617749
Conc: 4.91 ug/ml

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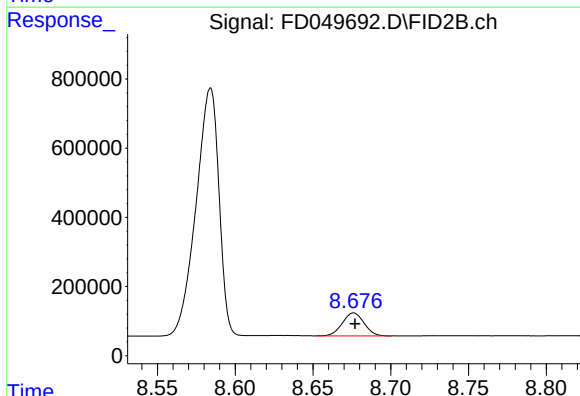
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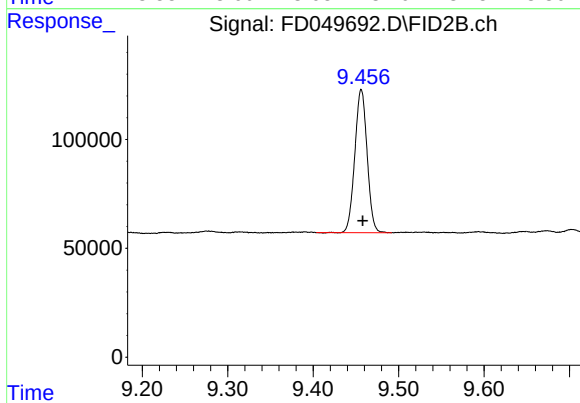
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.584 min
Delta R.T.: 0.006 min
Response: 7323731
Conc: 100.26 ug/ml



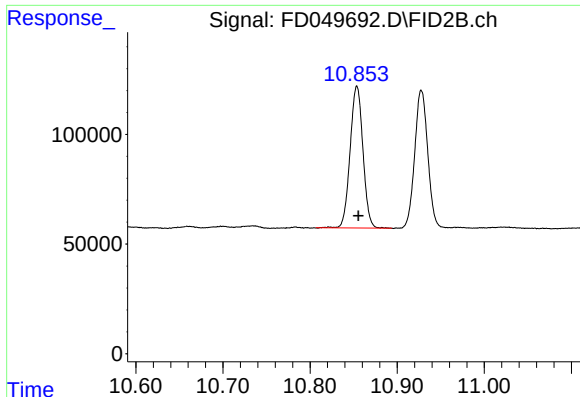
#7 Acenaphthene (C15.5)

R.T.: 8.676 min
Delta R.T.: -0.001 min
Response: 645712
Conc: 5.14 ug/ml m



#8 Fluorene (C16.55)

R.T.: 9.456 min
Delta R.T.: -0.002 min
Response: 657388
Conc: 5.19 ug/ml



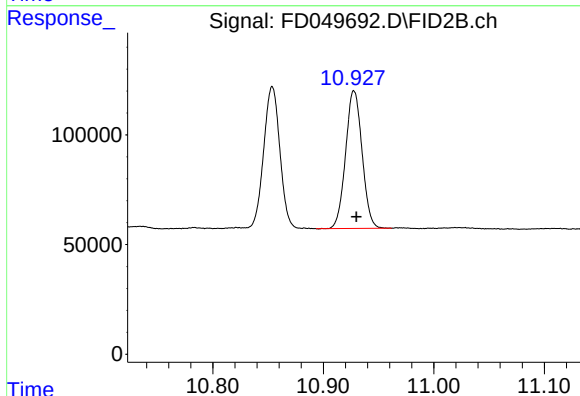
#9 Phenanthrene (C19.36)

R.T.: 10.854 min
Delta R.T.: -0.002 min
Response: 660289
Conc: 5.11 ug/ml

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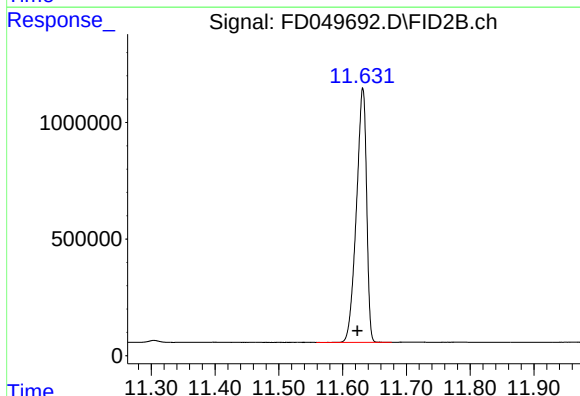
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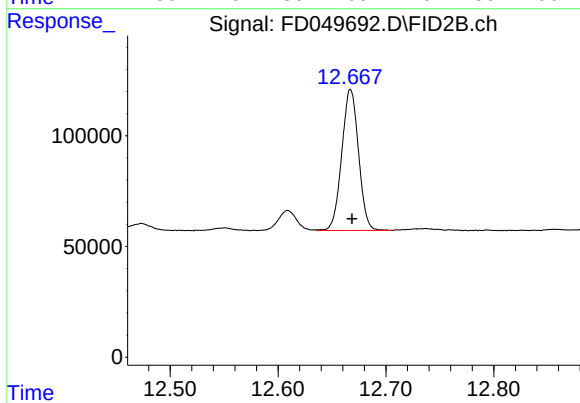
#10 Anthracene (C19.43)

R.T.: 10.928 min
Delta R.T.: -0.002 min
Response: 650753
Conc: 5.28 ug/ml



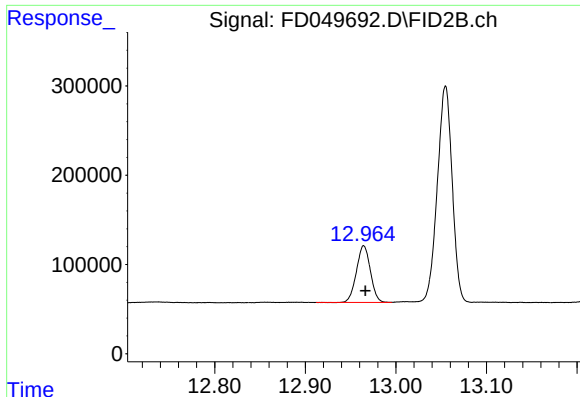
#11 ortho-Terphenyl (SURR)

R.T.: 11.632 min
Delta R.T.: 0.008 min
Response: 12044862
Conc: 92.80 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.667 min
Delta R.T.: -0.001 min
Response: 689740
Conc: 5.39 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.965 min
Delta R.T.: -0.002 min
Response: 680562
Conc: 5.36 ug/ml

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FID_D

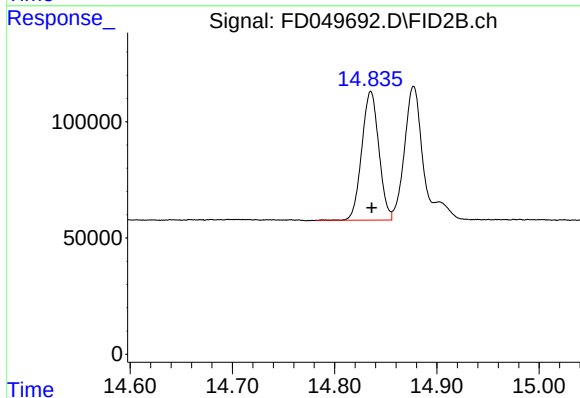
ClientSampleId :

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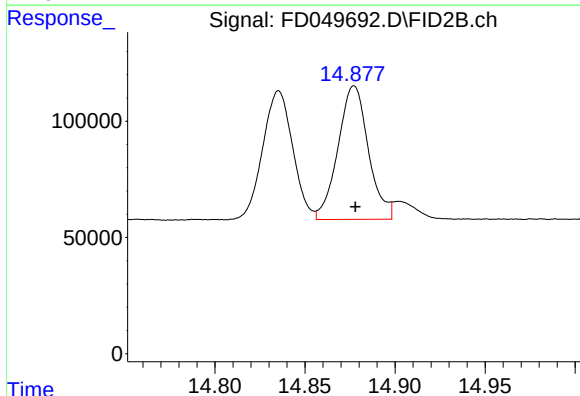
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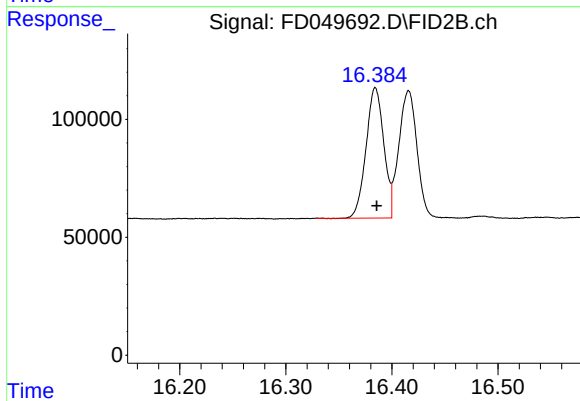
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.835 min
Delta R.T.: 0.000 min
Response: 642474
Conc: 5.57 ug/ml



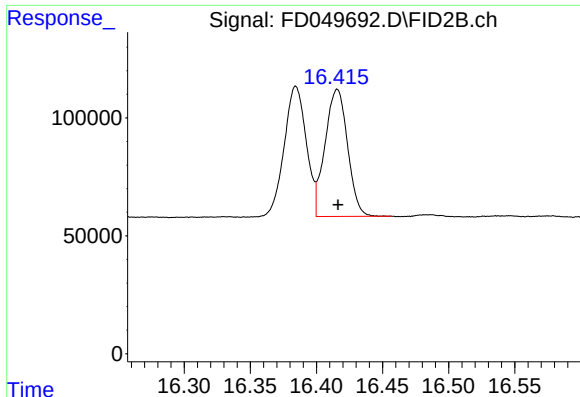
#15 Chrysene (C27.41)

R.T.: 14.877 min
Delta R.T.: -0.001 min
Response: 675275
Conc: 5.77 ug/ml m



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

R.T.: 16.384 min
Delta R.T.: -0.001 min
Response: 641985
Conc: 5.64 ug/ml



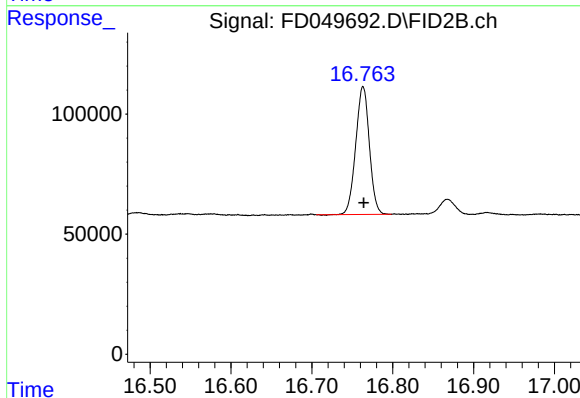
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.416 min
Delta R.T.: 0.000 min
Response: 639754
Conc: 5.98 ug/ml

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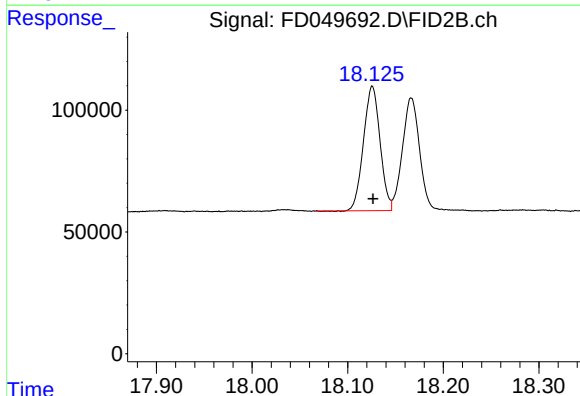
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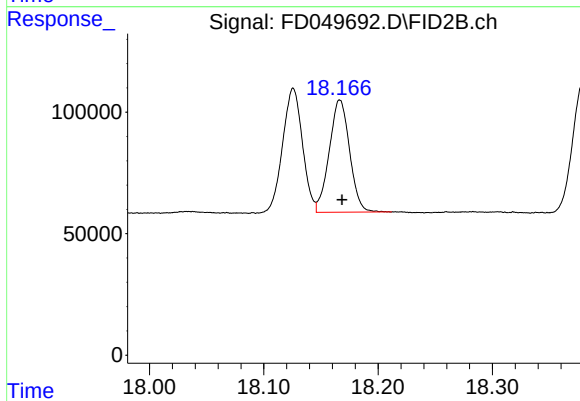
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.763 min
Delta R.T.: 0.000 min
Response: 623102
Conc: 5.62 ug/ml



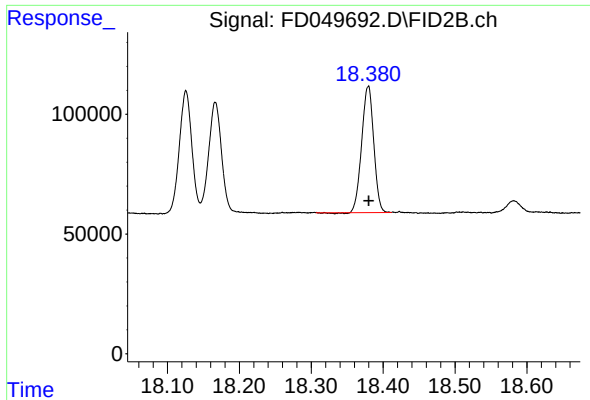
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.126 min
Delta R.T.: 0.000 min
Response: 614493
Conc: 5.96 ug/ml



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

R.T.: 18.167 min
Delta R.T.: -0.002 min
Response: 573541
Conc: 5.26 ug/ml



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

R.T.: 18.379 min
Delta R.T.: 0.000 min
Response: 611230
Conc: 5.59 ug/ml

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