Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD080723AR\
Data File : FD046286.D
Signal(s) : FID2B.ch
Acq On : 07 Aug 2023 17:07
Operator : YP/AJ
Sample : O3572-07
Misc : LOD 2.5 PPM
ALS Vial : 58 Sample Multiplier: 1

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Integration File: autoint1.e
Quant Time: Aug 08 05:46:26 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
Quant Title : GC Extractables
QLast Update : Thu Jul 20 03:07:14 2023
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...	7.501	4911390	32.857 ug/ml
Spiked Amount 50.000		Recovery =	65.71%
6) S 2-Flurobiphenyl (SURR)	8.355	3068581	32.780 ug/ml
Spiked Amount 50.000 Range	0 - 131	Recovery =	65.56%
11) S ortho-Terphenyl (SURR)	11.396	8318164	47.630 ug/ml
Spiked Amount 50.000		Recovery =	95.26%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.313	409416	2.247 ug/ml
2) T Naphthalene (C11.7)	5.841	402283	2.227 ug/ml
3) T 2-Methylnaphthalene (...	6.888	379437	2.156 ug/ml
5) T Acenaphthylene (C15.06)	8.158	333183	2.184 ug/ml
7) T Acenaphthene (C15.5)	8.452	370184	2.270 ug/ml
8) T Flouorene (C16.55)	9.231	326761	2.147 ug/ml
9) T Phenanthrene (C19.36)	10.619	305718	2.123 ug/ml
10) T Anthracene (C19.43)	10.694	272871	2.085 ug/ml
12) T Fluoranthene (C21.85)	12.422	313165	2.241 ug/ml
13) T Pyrene (C20.8)	12.716	318917	2.301 ug/ml
14) T Benzo[a]anthracene (C...	14.580	239967	1.828 ug/ml
15) T Chrysene (C27.41)	14.621	398261	2.825 ug/ml
16) T benzo[b]fluoranthene ...	16.119	236866	1.732 ug/ml
17) T Bnezo[k]fluoranthene ...	16.151	260736	1.902 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.497	206886	1.589 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.853	147528	1.227 ug/ml
20) T Dibenz[a,h]anthracene...	17.898	174166	1.362 ug/ml
21) T Benzo[g,h,i]perylene ...	18.103	171604	1.353 ug/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

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LOD-MDL-WATER-01-QT3-2023

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Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
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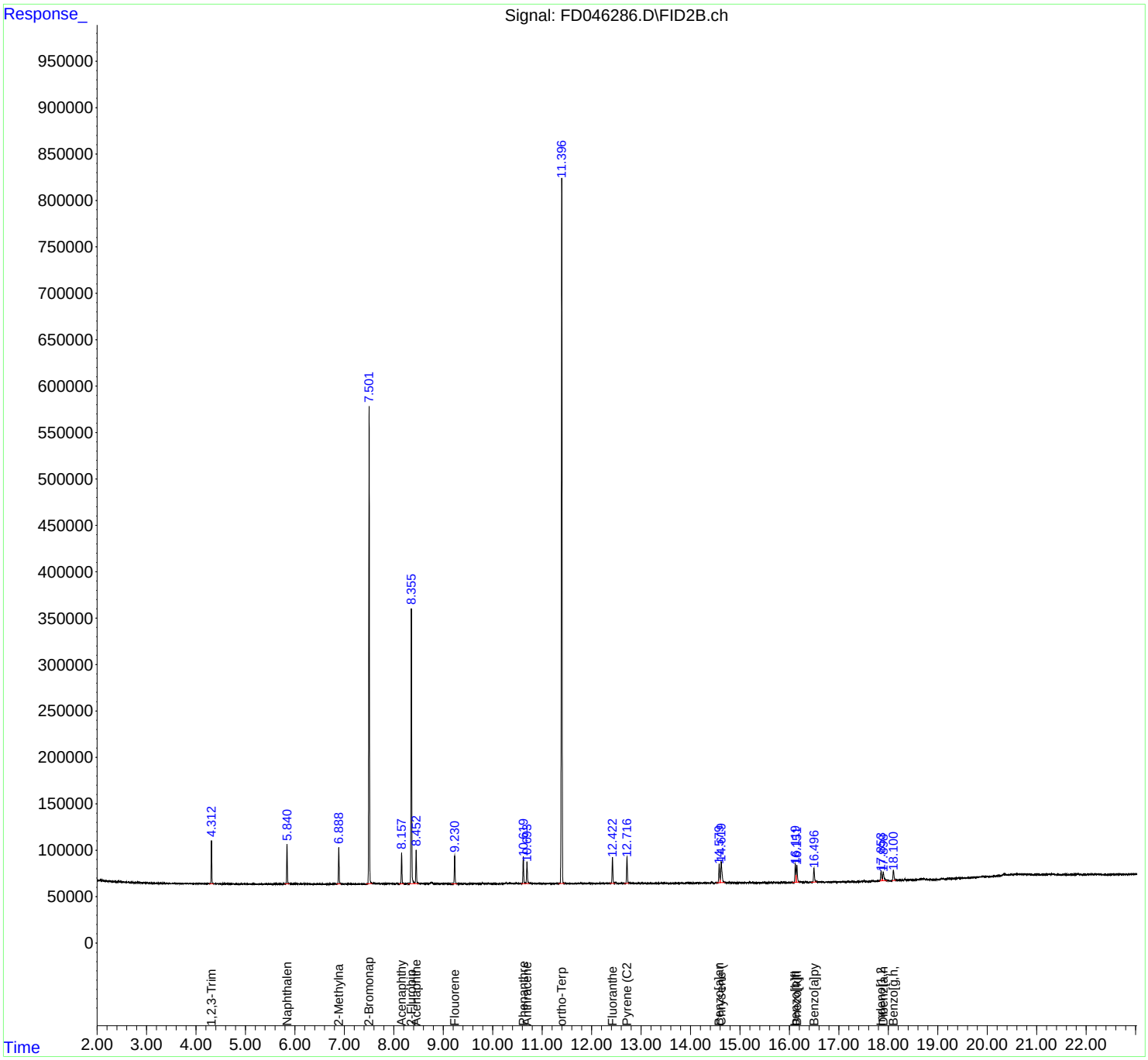
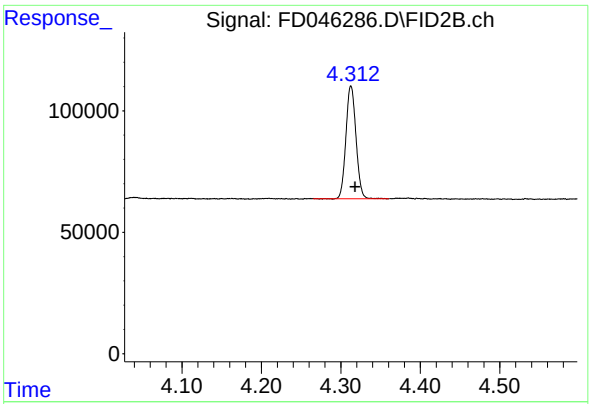
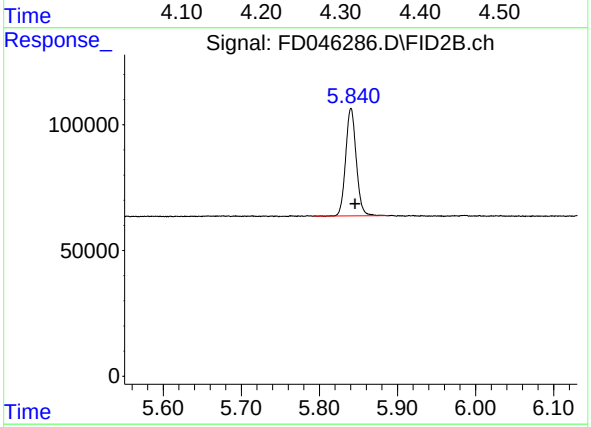




#1 1,2,3-Trimethylbenzene (C10.1)

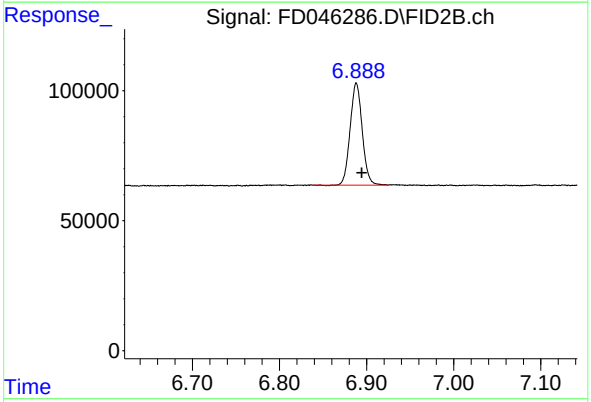
R.T.: 4.313 min
Delta R.T.: -0.005 min
Response: 409416
Conc: 2.25 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



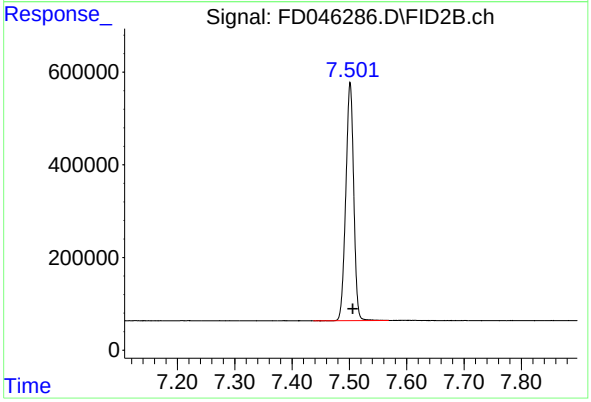
#2 Naphthalene (C11.7)

R.T.: 5.841 min
Delta R.T.: -0.005 min
Response: 402283
Conc: 2.23 ug/ml



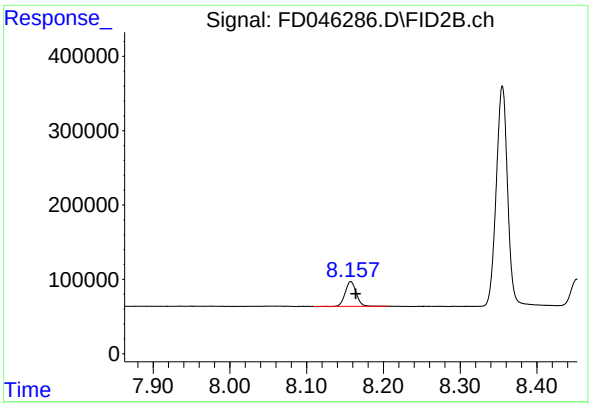
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.888 min
Delta R.T.: -0.006 min
Response: 379437
Conc: 2.16 ug/ml



#4 2-Bromonaphthalene (SURR)

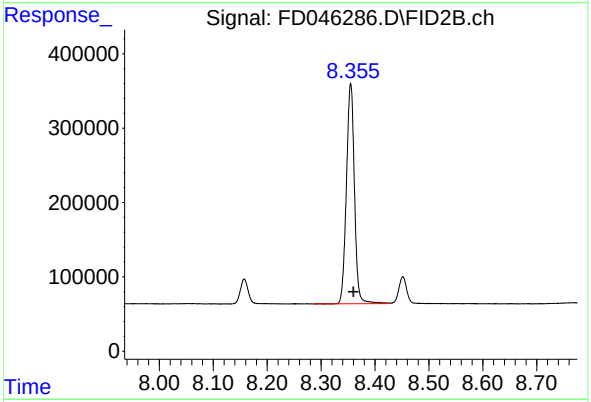
R.T.: 7.501 min
Delta R.T.: -0.005 min
Response: 4911390
Conc: 32.86 ug/ml



#5 Acenaphthylene (C15.06)

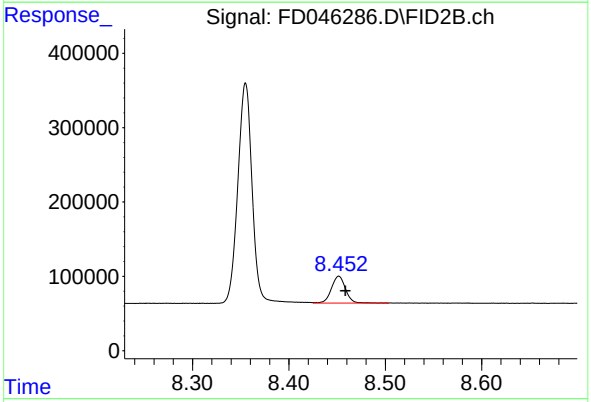
R.T.: 8.158 min
Delta R.T.: -0.006 min
Response: 333183
Conc: 2.18 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



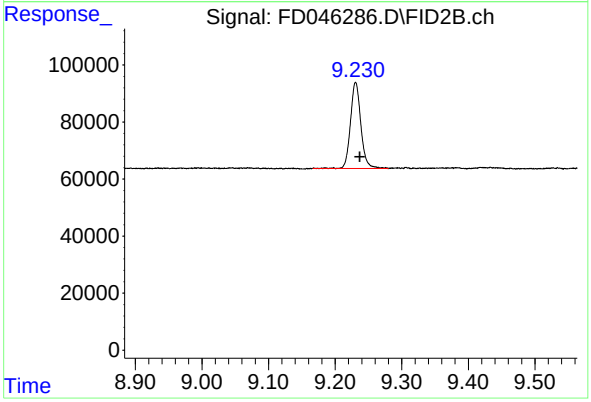
#6 2-Flurobiphenyl (SURR)

R.T.: 8.355 min
Delta R.T.: -0.005 min
Response: 3068581
Conc: 32.78 ug/ml



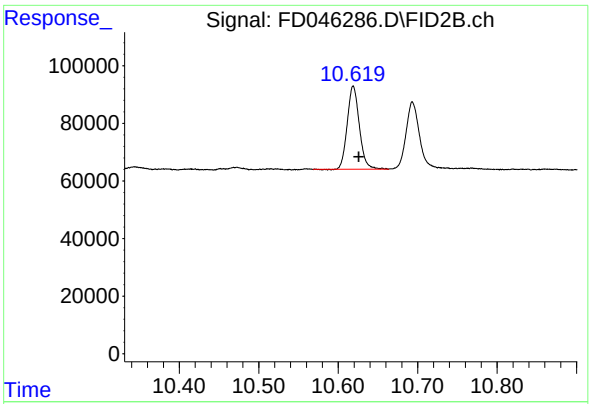
#7 Acenaphthene (C15.5)

R.T.: 8.452 min
Delta R.T.: -0.007 min
Response: 370184
Conc: 2.27 ug/ml



#8 Flouorene (C16.55)

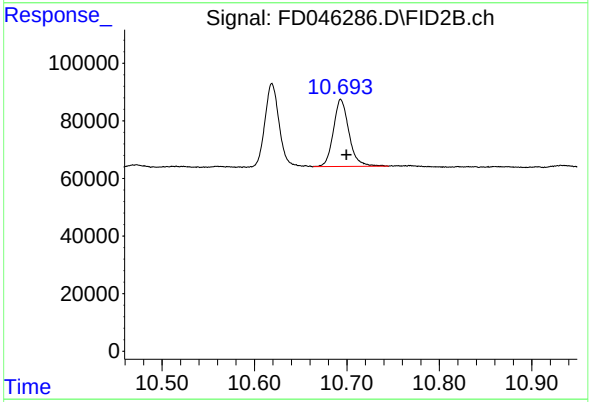
R.T.: 9.231 min
Delta R.T.: -0.006 min
Response: 326761
Conc: 2.15 ug/ml



#9 Phenanthrene (C19.36)

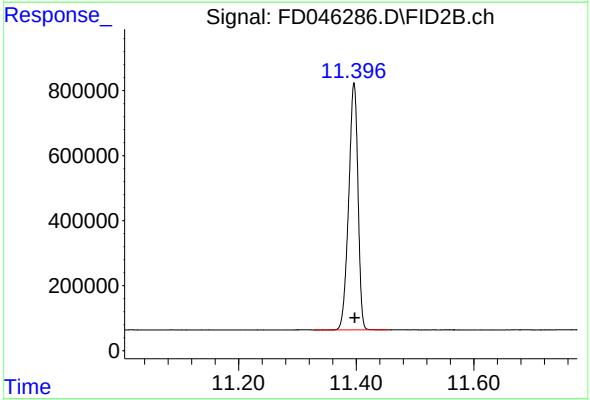
R.T.: 10.619 min
Delta R.T.: -0.007 min
Response: 305718
Conc: 2.12 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



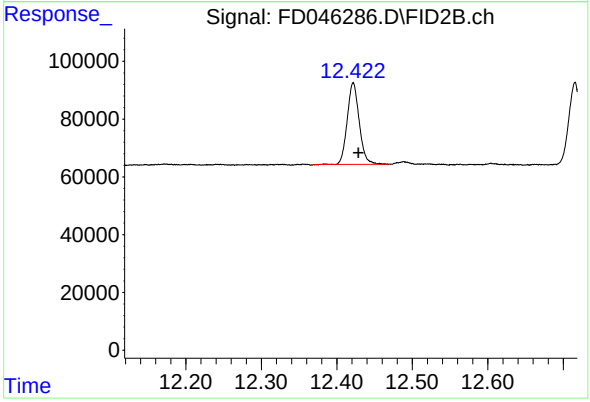
#10 Anthracene (C19.43)

R.T.: 10.694 min
Delta R.T.: -0.006 min
Response: 272871
Conc: 2.09 ug/ml



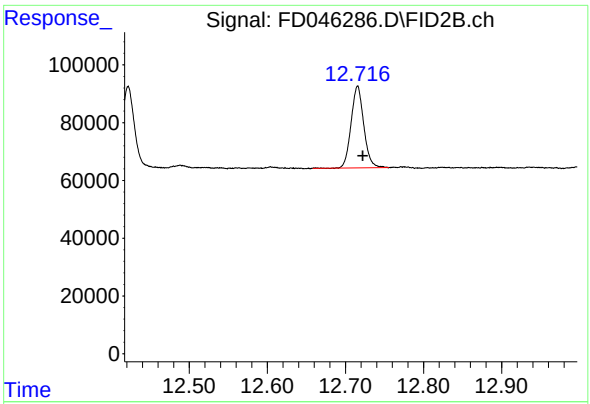
#11 ortho-Terphenyl (SURR)

R.T.: 11.396 min
Delta R.T.: -0.001 min
Response: 8318164
Conc: 47.63 ug/ml



#12 Fluoranthene (C21.85)

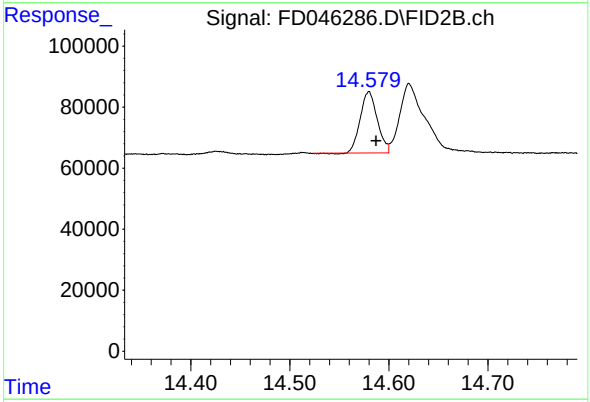
R.T.: 12.422 min
Delta R.T.: -0.007 min
Response: 313165
Conc: 2.24 ug/ml



#13 Pyrene (C20.8)

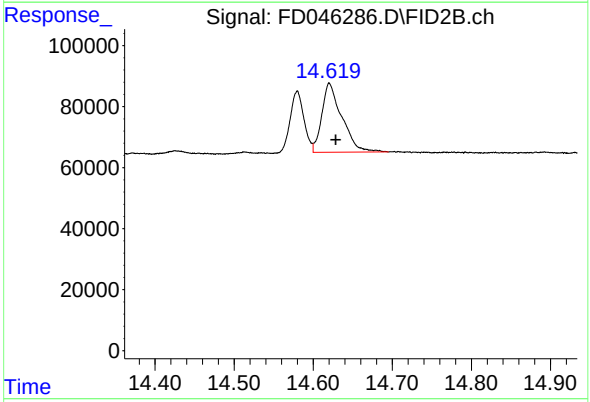
R.T.: 12.716 min
Delta R.T.: -0.007 min
Response: 318917
Conc: 2.30 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



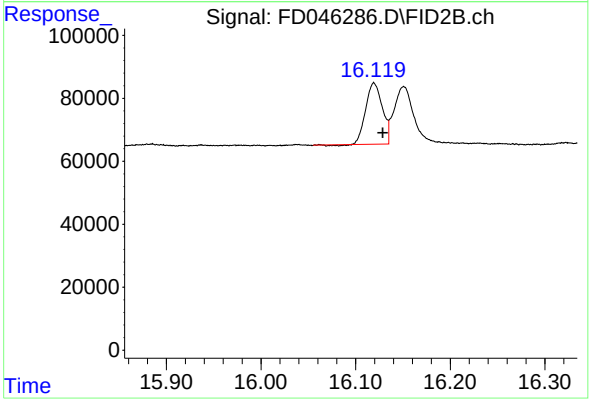
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.580 min
Delta R.T.: -0.007 min
Response: 239967
Conc: 1.83 ug/ml



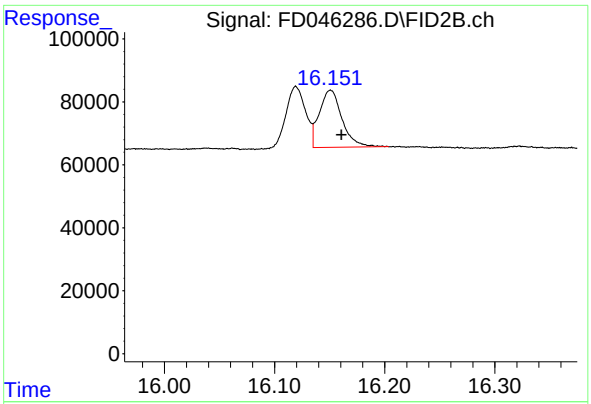
#15 Chrysene (C27.41)

R.T.: 14.621 min
Delta R.T.: -0.008 min
Response: 398261
Conc: 2.82 ug/ml



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

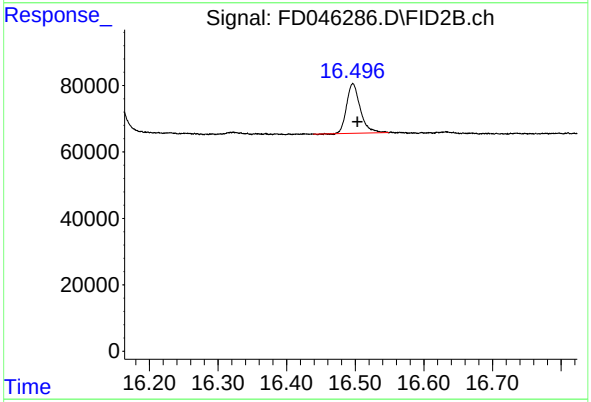
R.T.: 16.119 min
Delta R.T.: -0.009 min
Response: 236866
Conc: 1.73 ug/ml



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

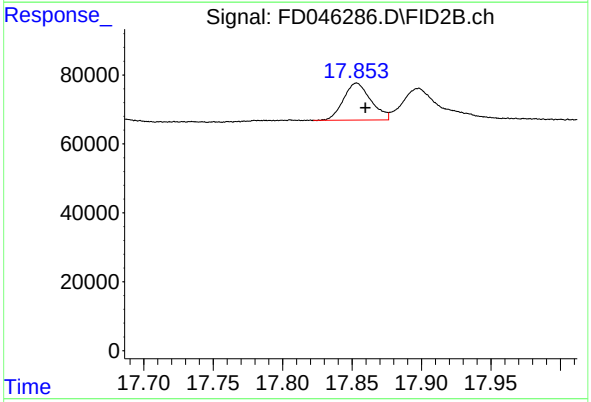
R.T.: 16.151 min
Delta R.T.: -0.010 min
Response: 260736
Conc: 1.90 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



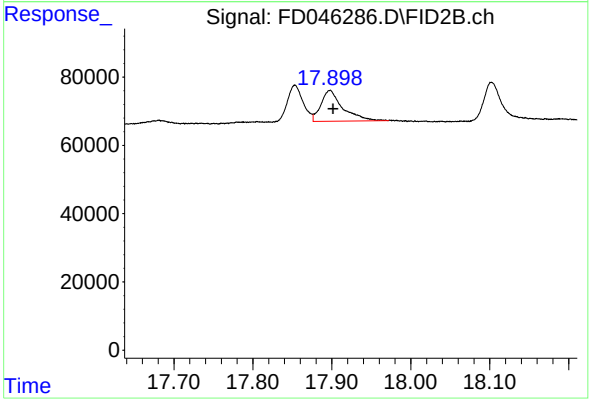
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.497 min
Delta R.T.: -0.006 min
Response: 206886
Conc: 1.59 ug/ml



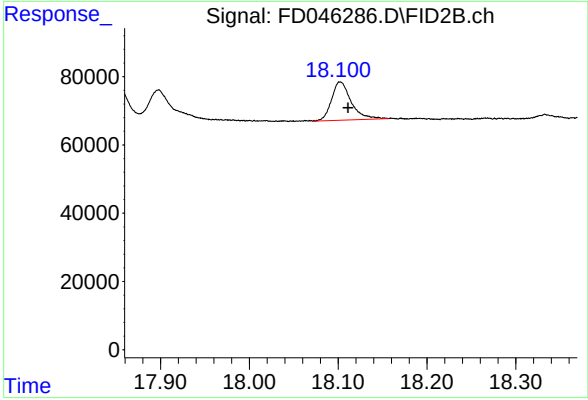
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.853 min
Delta R.T.: -0.006 min
Response: 147528
Conc: 1.23 ug/ml



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

R.T.: 17.898 min
Delta R.T.: -0.004 min
Response: 174166
Conc: 1.36 ug/ml



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

R.T.:	18.103 min
Delta R.T.:	-0.009 min
Response:	171604
Conc:	1.35 ug/ml

Instrument :
FID_D
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023