

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060722AR\
 Data File : FD042804.D
 Signal(s) : FID2B.CH
 Acq On : 07 Jun 2022 11:32
 Operator : UA/NP
 Sample : N1645-09
 Misc : 2.5 PPM MDL SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2022
 Supervised By :Ankita Jodhani 06/08/2022

Integration File: autoint1.e
 Quant Time: Jun 08 06:15:48 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052722.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 01 10:34:31 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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...	7.663	7090209	46.399 ug/ml
Spiked Amount 50.000		Recovery =	92.80%
6) S 2-Fluorobiphenyl (SURR)	8.527	4707558	45.773 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	91.55%
11) S ortho-Terphenyl (SURR)	11.576	6773681	38.157 ug/ml
Spiked Amount 50.000		Recovery =	76.31%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.453	336744	2.011 ug/ml
2) T Naphthalene (C11.7)	5.995	397136	2.297 ug/ml
3) T 2-Methylnaphthalene (...)	7.048	380657	2.387 ug/ml
5) T Acenaphthylene (C15.06)	8.326	363141	2.102 ug/ml
7) T Acenaphthene (C15.5)	8.622	377288	2.193 ug/ml
8) T Fluorene (C16.55)	9.403	370882	2.209 ug/ml
9) T Phenanthrene (C19.36)	10.801	356212	2.166 ug/mlm
10) T Anthracene (C19.43)	10.875	342697	2.242 ug/ml
12) T Fluoranthene (C21.85)	12.615	344593	2.187 ug/ml
13) T Pyrene (C20.8)	12.913	334352	2.148 ug/ml
14) T Benzo[a]anthracene (C...	14.786	312360	2.343 ug/mlm
15) T Chrysene (C27.41)	14.827	307994	2.331 ug/mlm
16) T benzo[b]fluoranthene ...	16.337	315315	2.367 ug/ml
17) T Bnezo[k]fluoranthene ...	16.368	319224	2.577 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.716	284367	2.298 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.079	286210	2.568 ug/ml
20) T Dibenz[a,h]anthracene...	18.122	348709	3.135 ug/ml
21) T Benzo[g,h,i]perylene ...	18.333	310258	2.610 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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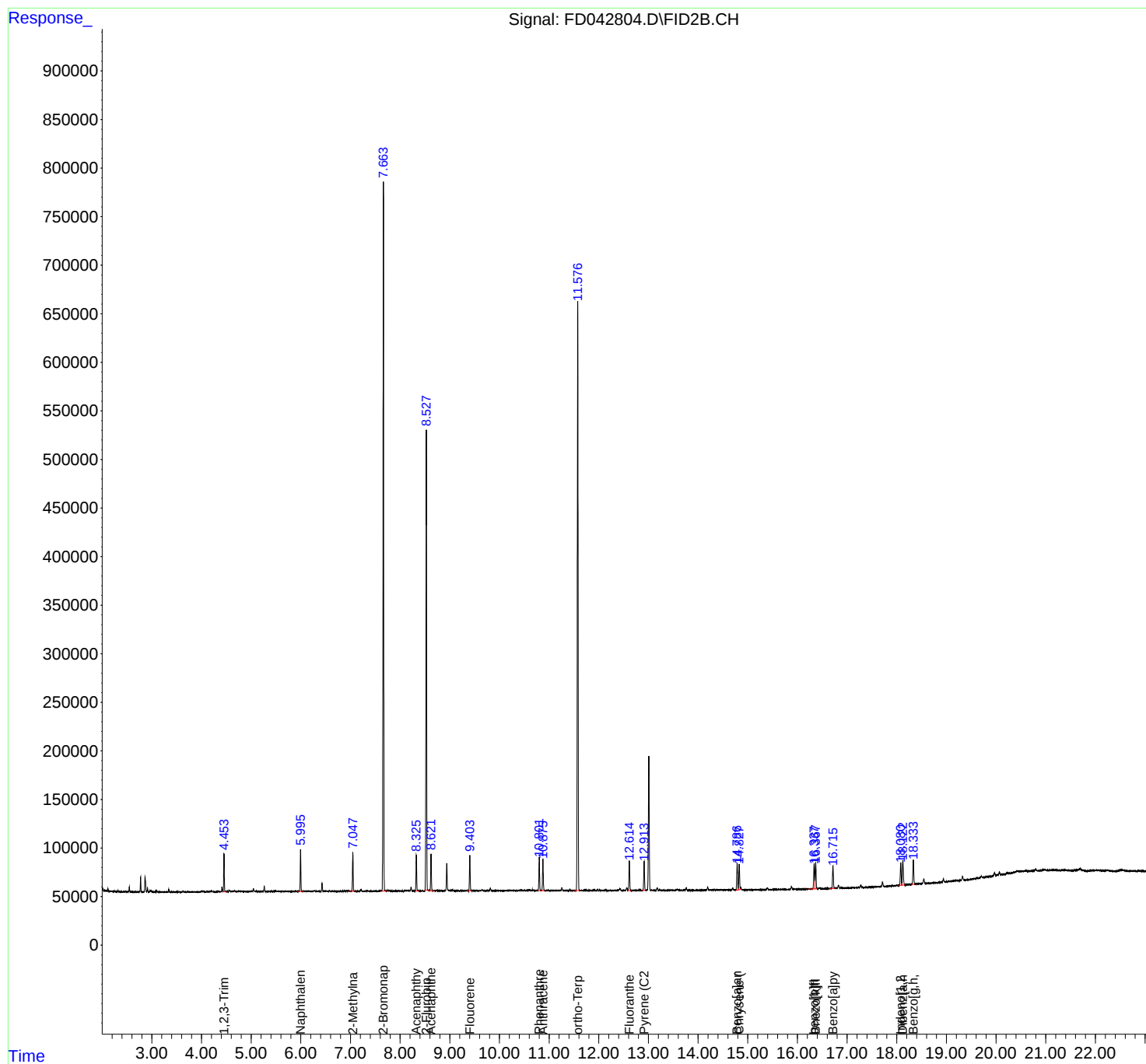
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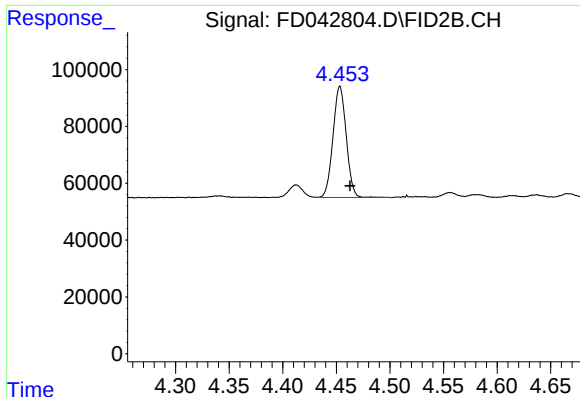
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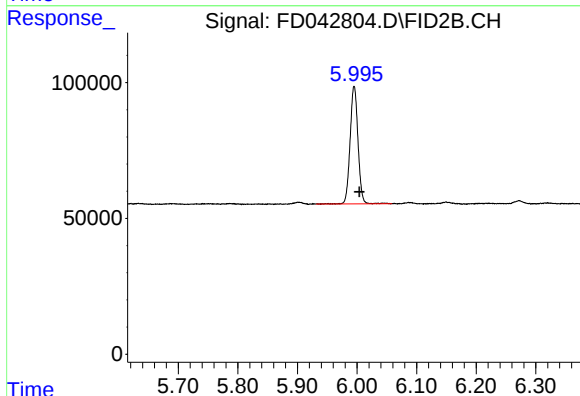
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.453 min
Delta R.T.: -0.010 min
Response: 336744
Conc: 2.01 ug/ml

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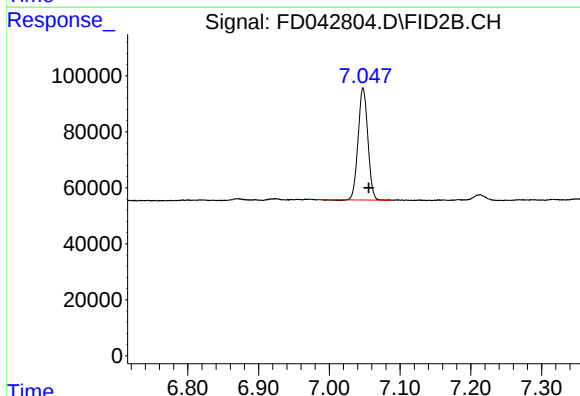
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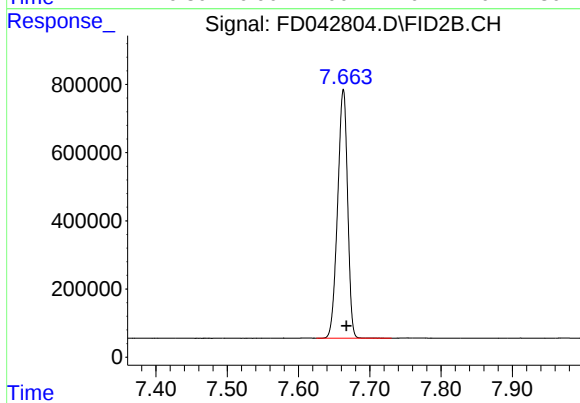
#2 Naphthalene (C11.7)

R.T.: 5.995 min
Delta R.T.: -0.009 min
Response: 397136
Conc: 2.30 ug/ml



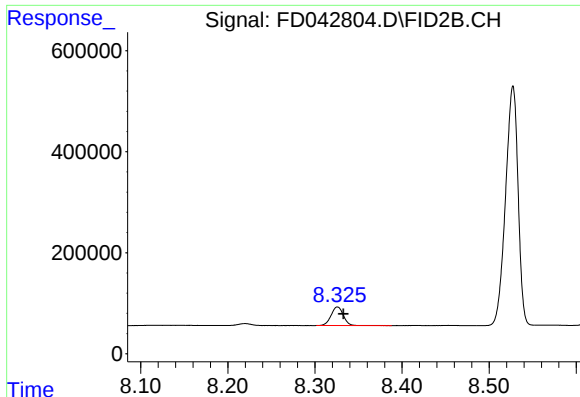
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.048 min
Delta R.T.: -0.008 min
Response: 380657
Conc: 2.39 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.663 min
Delta R.T.: -0.005 min
Response: 7090209
Conc: 46.40 ug/ml



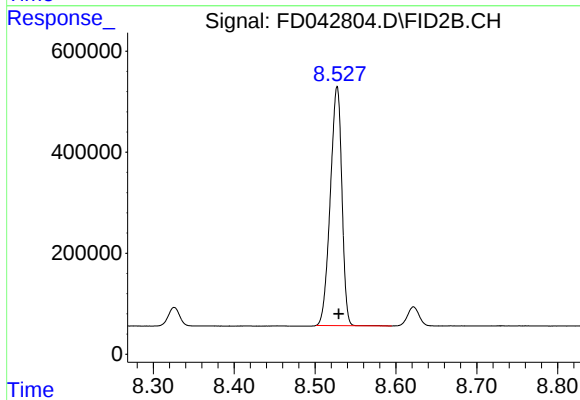
#5 Acenaphthylene (C15.06)

R.T.: 8.326 min
Delta R.T.: -0.007 min
Response: 363141
Conc: 2.10 ug/ml

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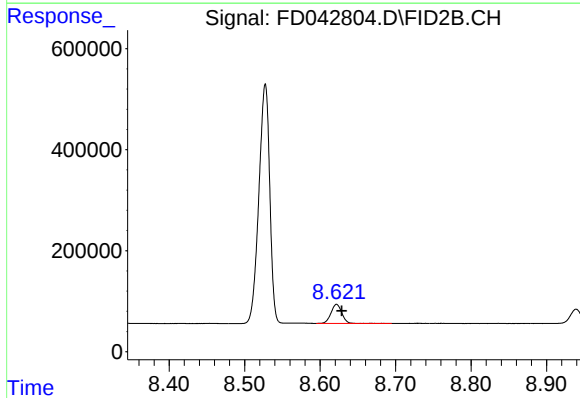
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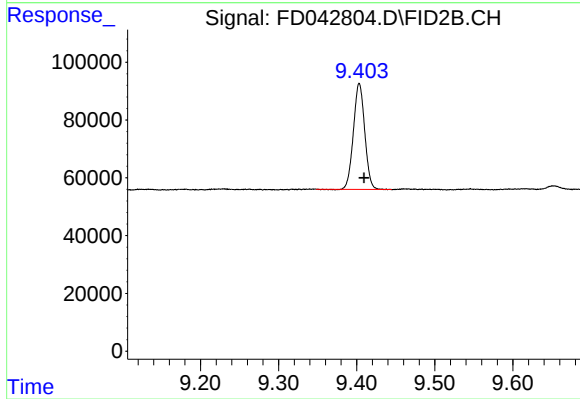
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.527 min
Delta R.T.: -0.002 min
Response: 4707558
Conc: 45.77 ug/ml



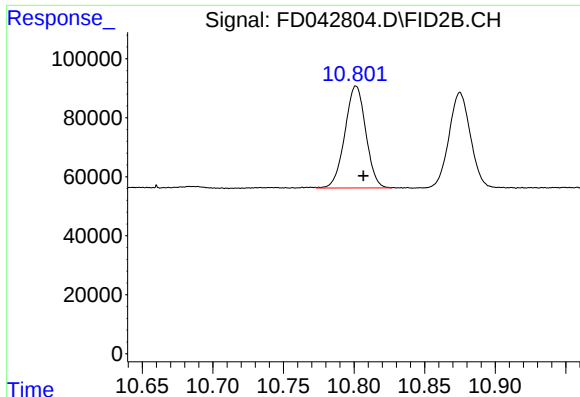
#7 Acenaphthene (C15.5)

R.T.: 8.622 min
Delta R.T.: -0.007 min
Response: 377288
Conc: 2.19 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.403 min
Delta R.T.: -0.006 min
Response: 370882
Conc: 2.21 ug/ml



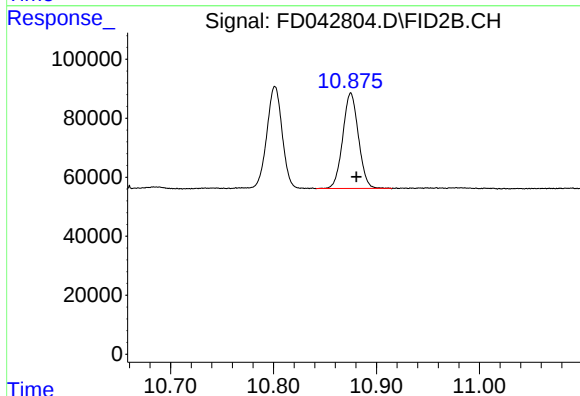
#9 Phenanthrene (C19.36)

R.T.: 10.801 min
Delta R.T.: -0.006 min
Response: 356212
Conc: 2.17 ug/ml

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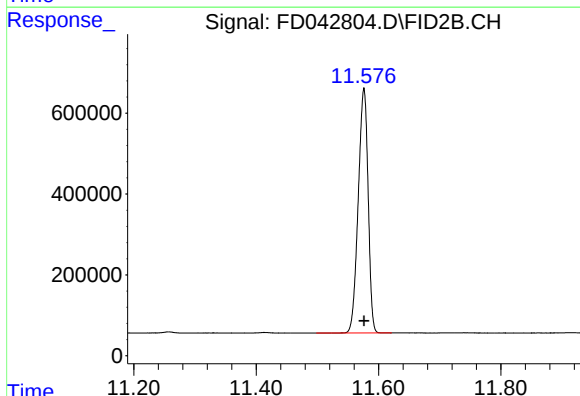
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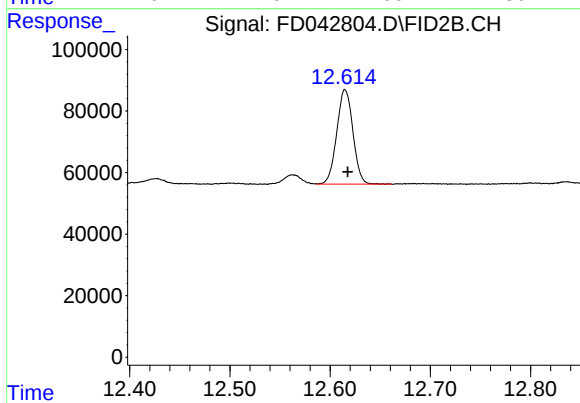
#10 Anthracene (C19.43)

R.T.: 10.875 min
Delta R.T.: -0.005 min
Response: 342697
Conc: 2.24 ug/ml



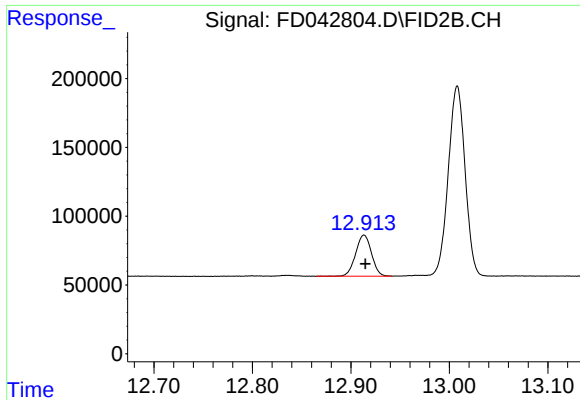
#11 ortho-Terphenyl (SURR)

R.T.: 11.576 min
Delta R.T.: 0.000 min
Response: 6773681
Conc: 38.16 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.615 min
Delta R.T.: -0.002 min
Response: 344593
Conc: 2.19 ug/ml



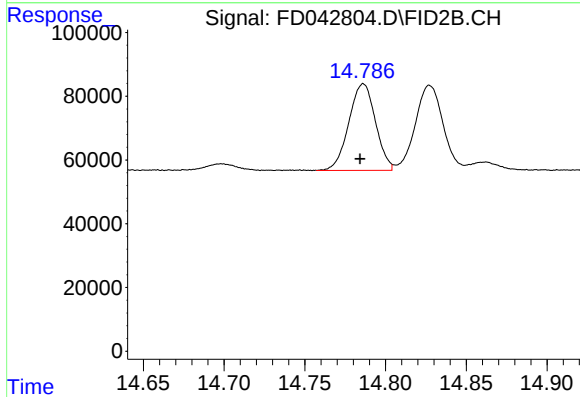
#13 Pyrene (C20.8)

R.T.: 12.913 min
Delta R.T.: -0.002 min
Response: 334352
Conc: 2.15 ug/ml

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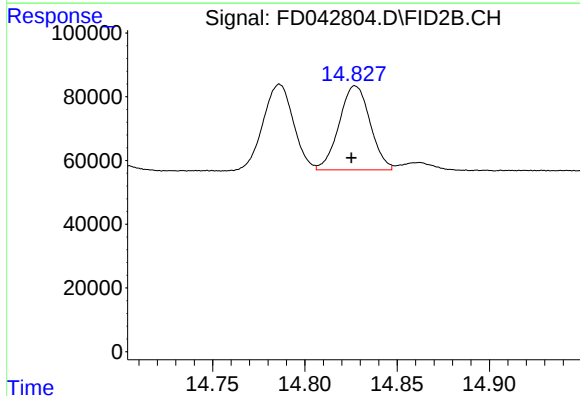
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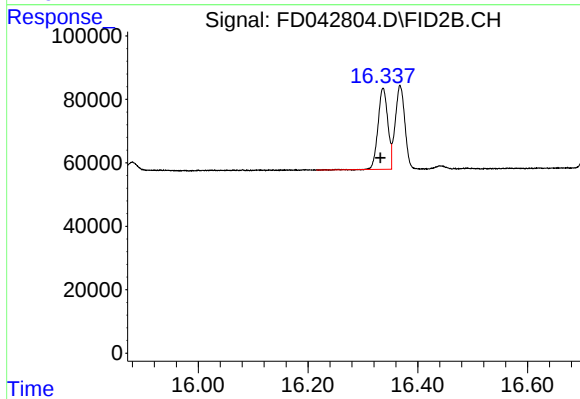
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.786 min
Delta R.T.: 0.001 min
Response: 312360
Conc: 2.34 ug/ml m



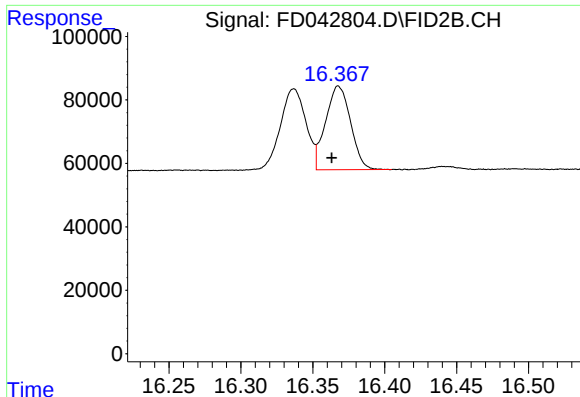
#15 Chrysene (C27.41)

R.T.: 14.827 min
Delta R.T.: 0.001 min
Response: 307994
Conc: 2.33 ug/ml m



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

R.T.: 16.337 min
Delta R.T.: 0.005 min
Response: 315315
Conc: 2.37 ug/ml



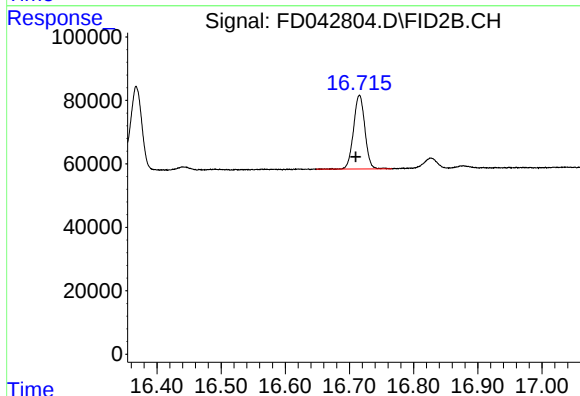
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.368 min
Delta R.T.: 0.005 min
Response: 319224
Conc: 2.58 ug/ml

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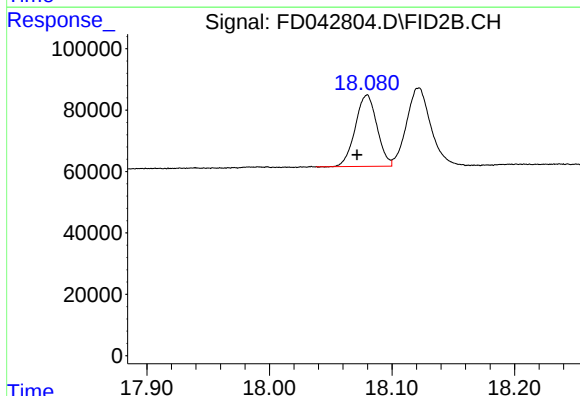
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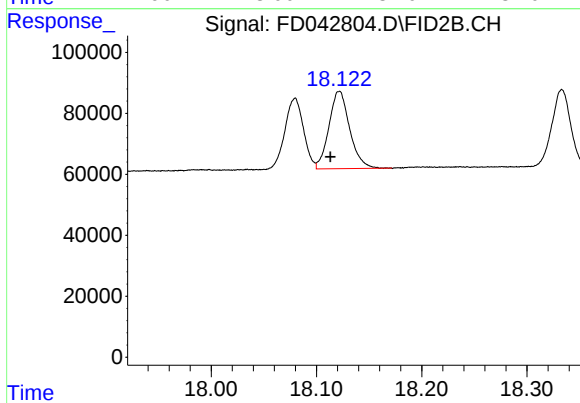
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.716 min
Delta R.T.: 0.006 min
Response: 284367
Conc: 2.30 ug/ml



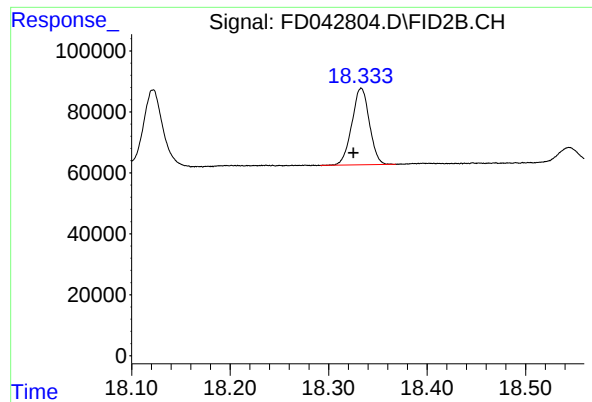
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.079 min
Delta R.T.: 0.008 min
Response: 286210
Conc: 2.57 ug/ml



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

R.T.: 18.122 min
Delta R.T.: 0.008 min
Response: 348709
Conc: 3.13 ug/ml



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

R.T.: 18.333 min
Delta R.T.: 0.008 min
Response: 310258
Conc: 2.61 ug/ml

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