

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060722AR\
 Data File : FD042803.D
 Signal(s) : FID2B.CH
 Acq On : 07 Jun 2022 10:52
 Operator : UA/NP
 Sample : N1645-03
 Misc : 2.5 PPM MDL SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 MDL-SOIL-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 06:15:36 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...	7.665	6995853	45.781 ug/ml
Spiked Amount 50.000		Recovery =	91.56%
6) S 2-Fluorobiphenyl (SURR)	8.529	4697821	45.678 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	91.36%
11) S ortho-Terphenyl (SURR)	11.577	6744775	37.994 ug/ml
Spiked Amount 50.000		Recovery =	75.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.454	331794	1.982 ug/ml
2) T Naphthalene (C11.7)	5.997	387139	2.239 ug/ml
3) T 2-Methylnaphthalene (...)	7.051	385603	2.418 ug/ml
5) T Acenaphthylene (C15.06)	8.329	362736	2.099 ug/ml
7) T Acenaphthene (C15.5)	8.624	371406	2.158 ug/ml
8) T Flouorene (C16.55)	9.405	373250	2.223 ug/ml
9) T Phenanthrene (C19.36)	10.802	357688	2.175 ug/mlm
10) T Anthracene (C19.43)	10.877	350682	2.294 ug/ml
12) T Fluoranthene (C21.85)	12.616	345815	2.195 ug/ml
13) T Pyrene (C20.8)	12.914	337299	2.167 ug/ml
14) T Benzo[a]anthracene (C...	14.784	313931	2.354 ug/mlm
15) T Chrysene (C27.41)	14.826	312340	2.364 ug/mlm
16) T benzo[b]fluoranthene ...	16.336	313024	2.350 ug/ml
17) T Bnezo[k]fluoranthene ...	16.368	314649	2.540 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.715	280500	2.266 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.079	283583	2.544 ug/ml
20) T Dibenz[a,h]anthracene...	18.121	341665	3.072 ug/ml
21) T Benzo[g,h,i]perylene ...	18.332	307992	2.591 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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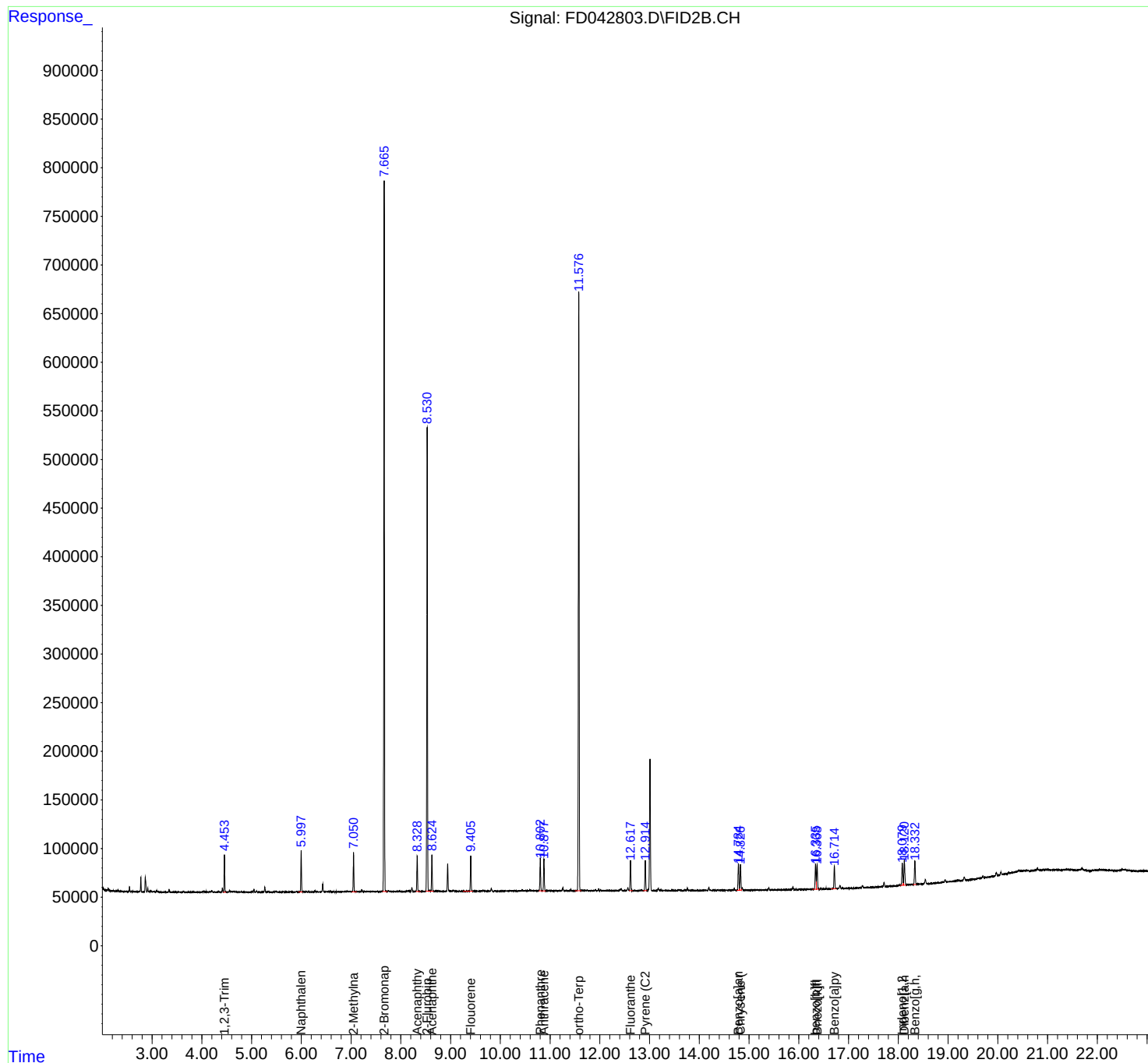
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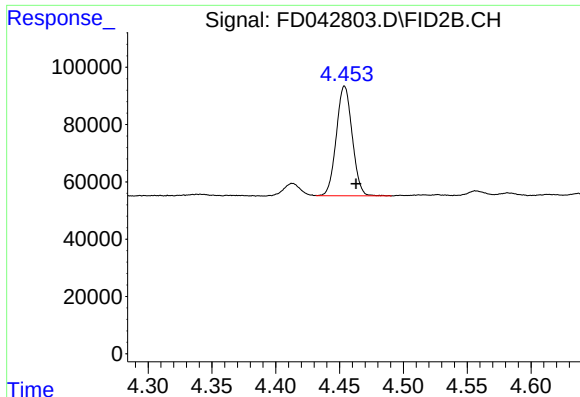
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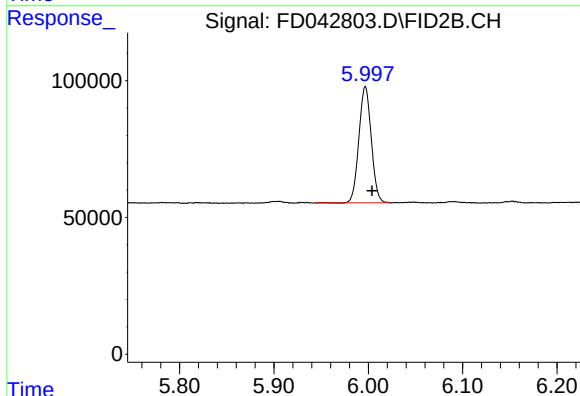
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.454 min
Delta R.T.: -0.009 min
Response: 331794
Conc: 1.98 ug/ml

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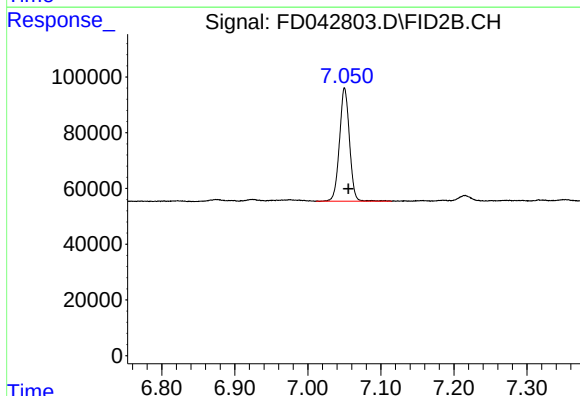
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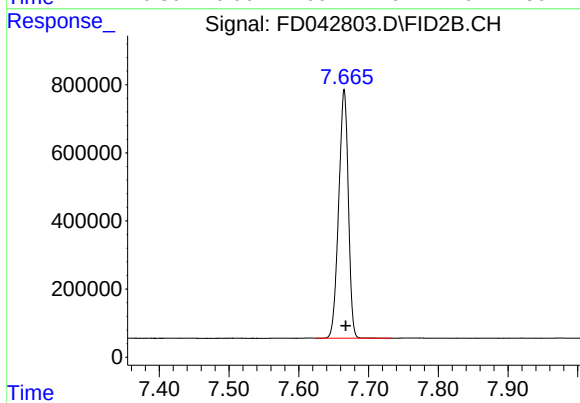
#2 Naphthalene (C11.7)

R.T.: 5.997 min
Delta R.T.: -0.007 min
Response: 387139
Conc: 2.24 ug/ml



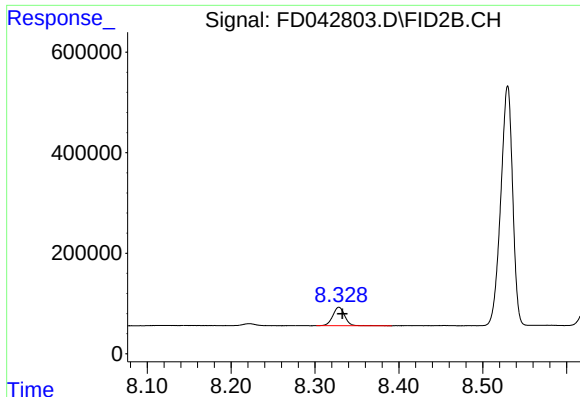
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.051 min
Delta R.T.: -0.005 min
Response: 385603
Conc: 2.42 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.665 min
Delta R.T.: -0.002 min
Response: 6995853
Conc: 45.78 ug/ml



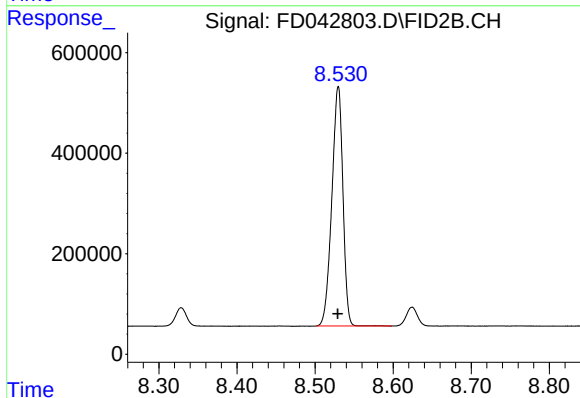
#5 Acenaphthylene (C15.06)

R.T.: 8.329 min
Delta R.T.: -0.004 min
Response: 362736
Conc: 2.10 ug/ml

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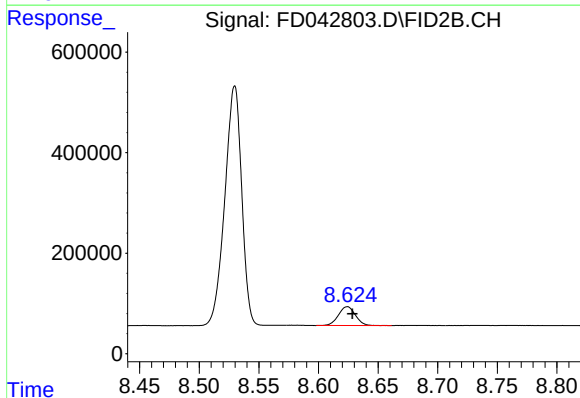
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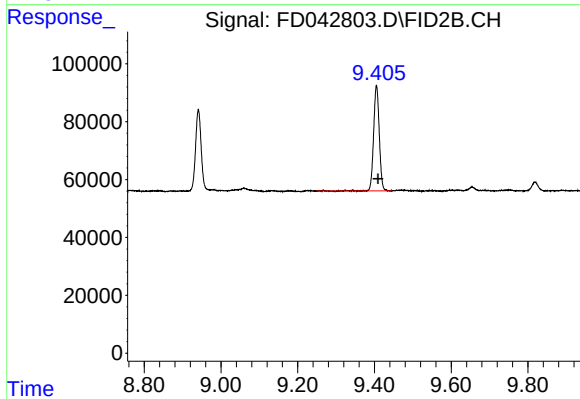
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.529 min
Delta R.T.: 0.000 min
Response: 4697821
Conc: 45.68 ug/ml



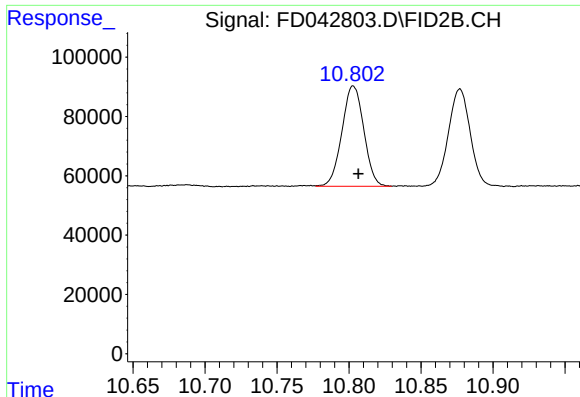
#7 Acenaphthene (C15.5)

R.T.: 8.624 min
Delta R.T.: -0.004 min
Response: 371406
Conc: 2.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.405 min
Delta R.T.: -0.004 min
Response: 373250
Conc: 2.22 ug/ml



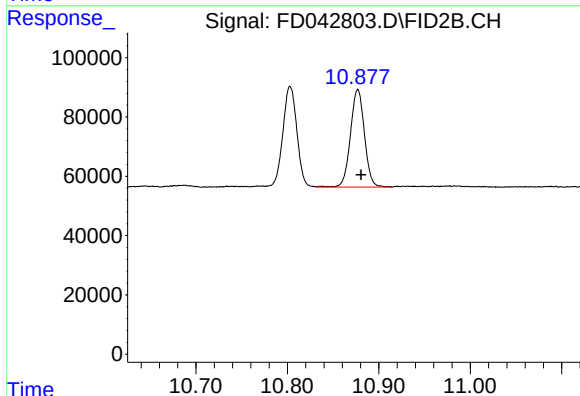
#9 Phenanthrene (C19.36)

R.T.: 10.802 min
Delta R.T.: -0.004 min
Response: 357688
Conc: 2.18 ug/ml

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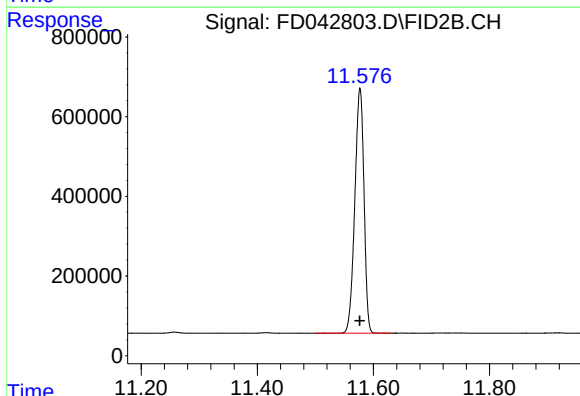
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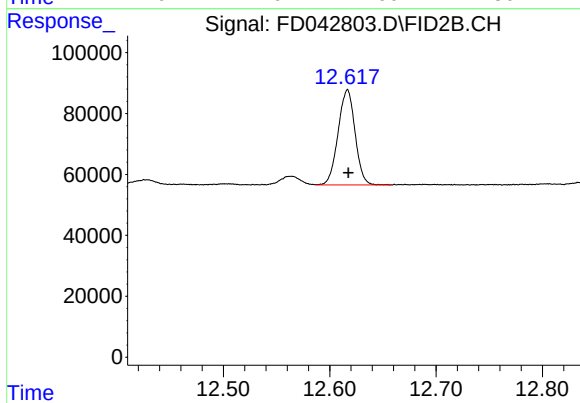
#10 Anthracene (C19.43)

R.T.: 10.877 min
Delta R.T.: -0.003 min
Response: 350682
Conc: 2.29 ug/ml



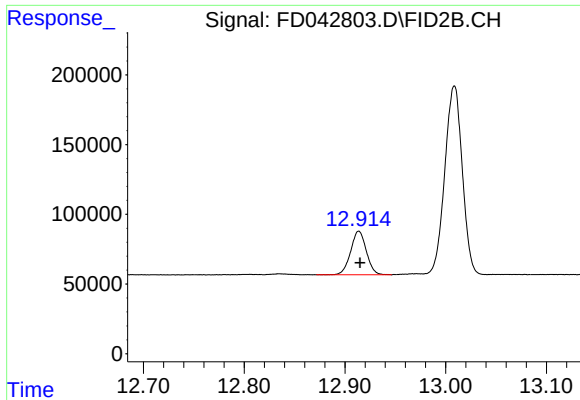
#11 ortho-Terphenyl (SURR)

R.T.: 11.577 min
Delta R.T.: 0.000 min
Response: 6744775
Conc: 37.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.616 min
Delta R.T.: 0.000 min
Response: 345815
Conc: 2.20 ug/ml



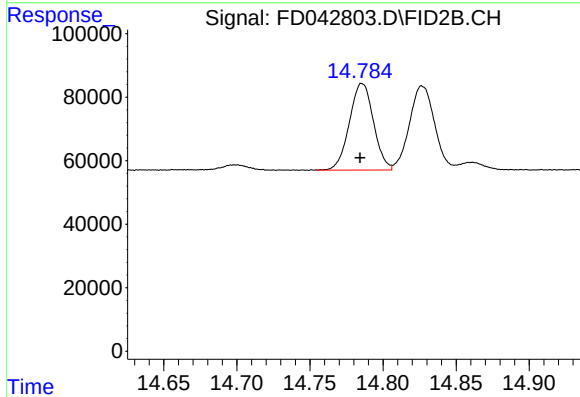
#13 Pyrene (C20.8)

R.T.: 12.914 min
Delta R.T.: -0.001 min
Response: 337299
Conc: 2.17 ug/ml

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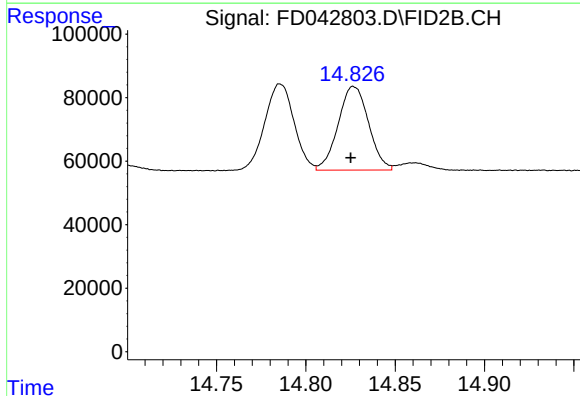
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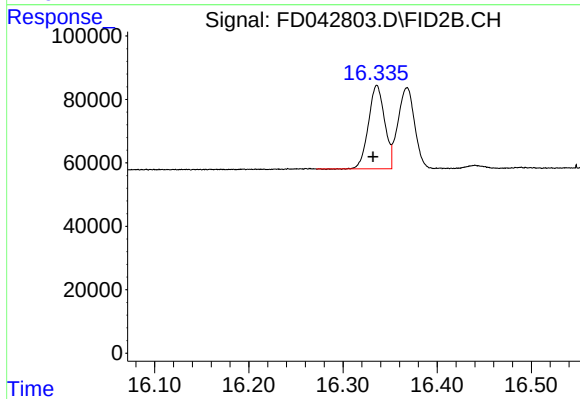
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.784 min
Delta R.T.: 0.000 min
Response: 313931
Conc: 2.35 ug/ml m



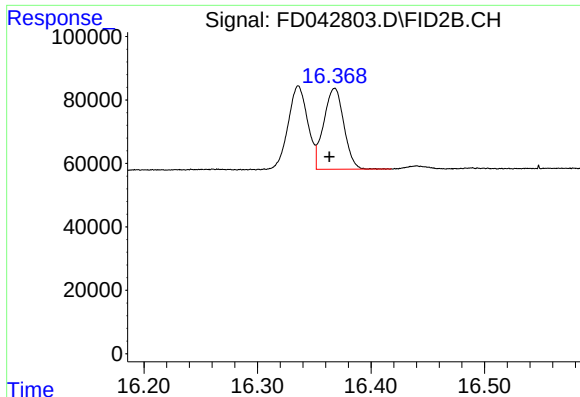
#15 Chrysene (C27.41)

R.T.: 14.826 min
Delta R.T.: 0.000 min
Response: 312340
Conc: 2.36 ug/ml m



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

R.T.: 16.336 min
Delta R.T.: 0.004 min
Response: 313024
Conc: 2.35 ug/ml



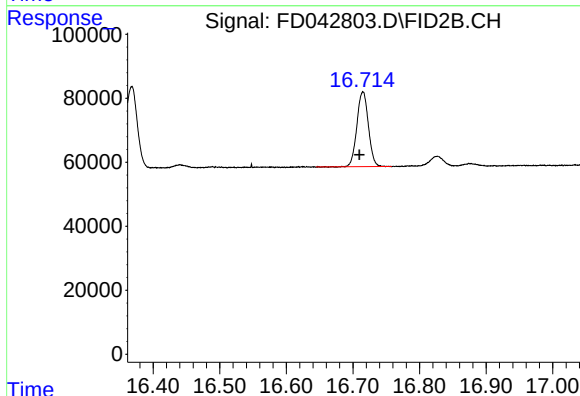
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.368 min
Delta R.T.: 0.005 min
Response: 314649
Conc: 2.54 ug/ml

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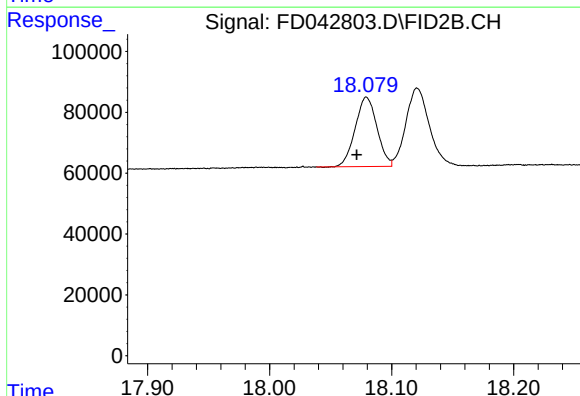
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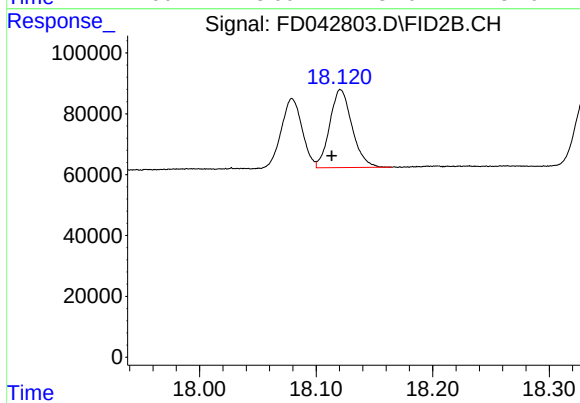
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.715 min
Delta R.T.: 0.005 min
Response: 280500
Conc: 2.27 ug/ml



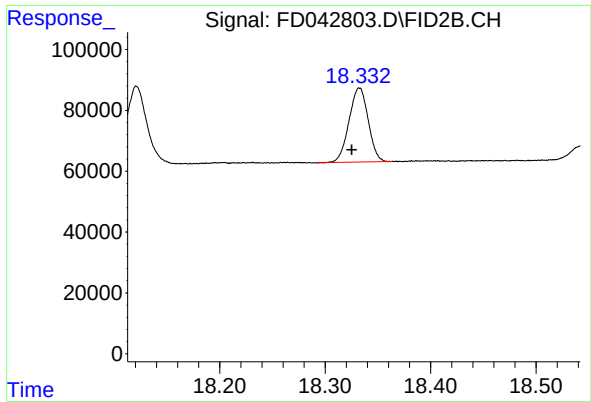
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.079 min
Delta R.T.: 0.008 min
Response: 283583
Conc: 2.54 ug/ml



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

R.T.: 18.121 min
Delta R.T.: 0.008 min
Response: 341665
Conc: 3.07 ug/ml



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

R.T.: 18.332 min
Delta R.T.: 0.007 min
Response: 307992
Conc: 2.59 ug/ml

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