

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112321AR\
 Data File : FD039629.D
 Signal(s) : FID2B.CH
 Acq On : 24 Nov 2021 3:55
 Operator : AJ\MA
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 11/24/2021
 Supervised By :mohammad ahmed 11/24/2021

Integration File: autoint1.e
 Quant Time: Nov 24 04:20:08 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112321.M
 Quant Title : GC Extractables
 Qlast Update : Wed Nov 24 04:11:23 2021
 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...	7.745	539989	4.796 ug/ml
Spiked Amount 50.000		Recovery =	9.59%
6) S 2-Fluorobiphenyl (SURR)	8.615	346840	4.559 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	9.12%
11) S ortho-Terphenyl (SURR)	11.655	638591	5.219 ug/ml
Spiked Amount 50.000		Recovery =	10.44%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.534	636490	5.245 ug/ml
2) T Naphthalene (C11.7)	6.081	623340	4.865 ug/ml
3) T 2-Methylnaphthalene (...)	7.135	633485	4.851 ug/ml
5) T Acenaphthylene (C15.06)	8.415	586545	4.864 ug/ml
7) T Acenaphthene (C15.5)	8.711	624855	4.879 ug/ml
8) T Flouorene (C16.55)	9.494	582390	4.695 ug/ml
9) T Phenanthrene (C19.36)	10.896	578672	4.802 ug/ml
10) T Anthracene (C19.43)	10.972	602091	4.993 ug/ml
12) T Fluoranthene (C21.85)	12.711	588083	4.966 ug/ml
13) T Pyrene (C20.8)	13.010	535549	4.679 ug/ml
14) T Benzo[a]anthracene (C...	14.884	433764	4.381 ug/ml
15) T Chrysene (C27.41)	14.925	595210	5.257 ug/ml
16) T benzo[b]fluoranthene ...	16.436	460911	4.705 ug/ml
17) T Bnezo[k]fluoranthene ...	16.467	554709	5.326 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.819	446928	4.569 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.185	421345	4.584 ug/ml
20) T Dibenz[a,h]anthracene...	18.223	548850	5.279 ug/ml
21) T Benzo[g,h,i]perylene ...	18.437	490674	4.973 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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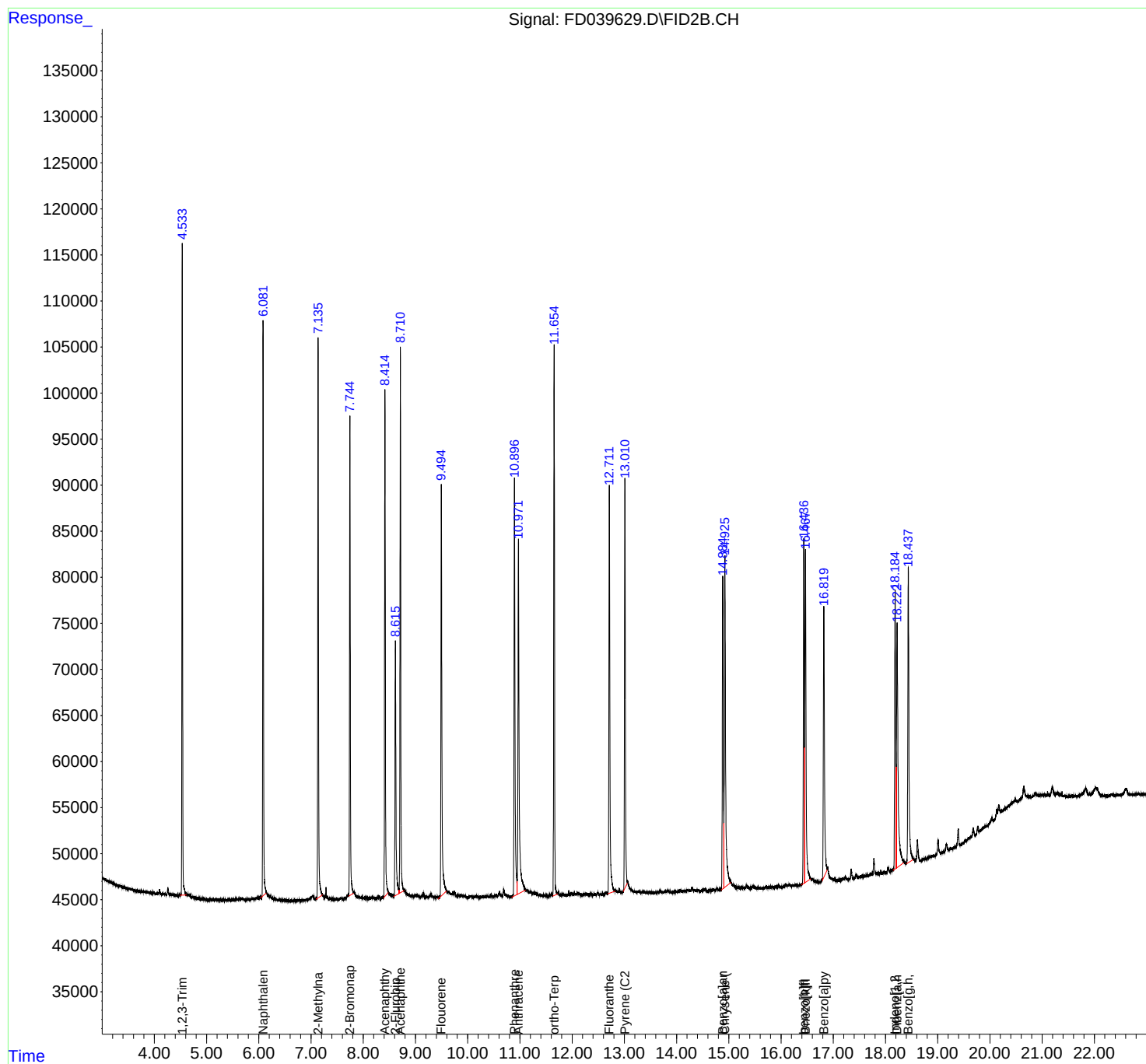
Instrument :
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5 PPM AROMATIC HC STD5

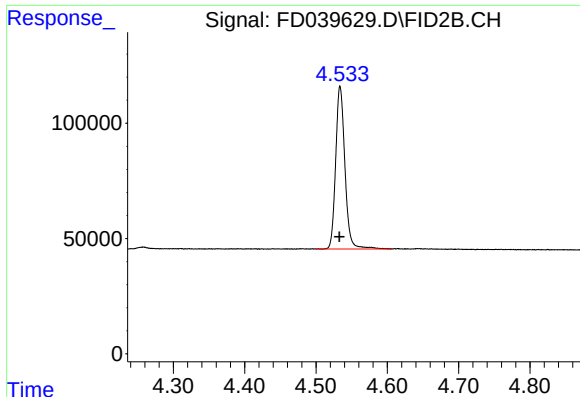
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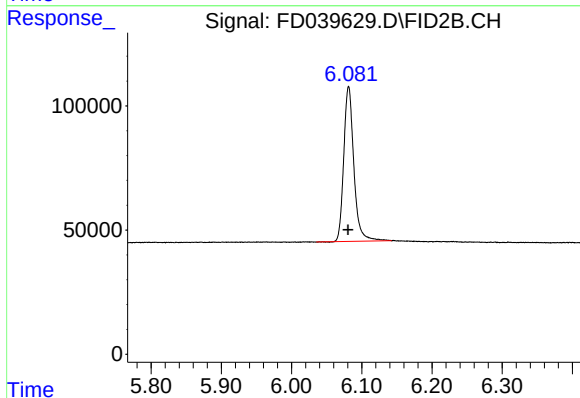
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.534 min
Delta R.T.: 0.000 min
Response: 636490
Conc: 5.25 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

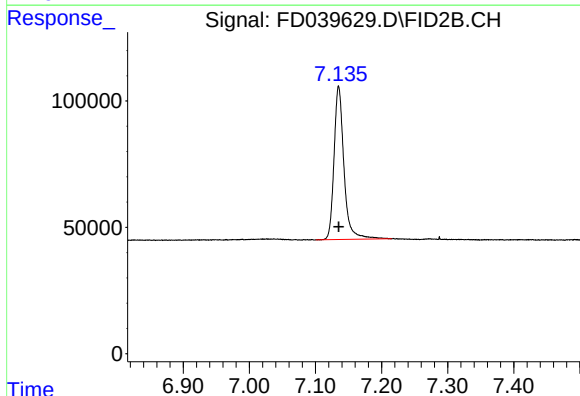
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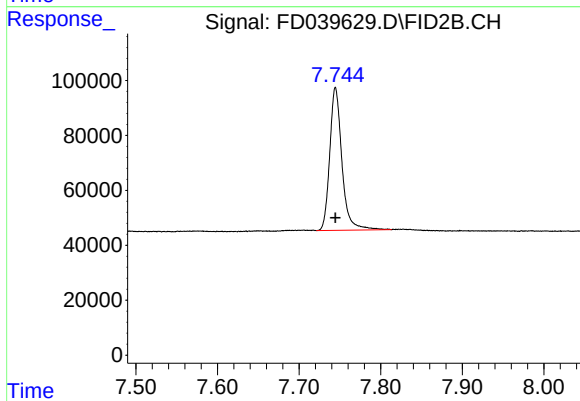
#2 Naphthalene (C11.7)

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 623340
Conc: 4.87 ug/ml



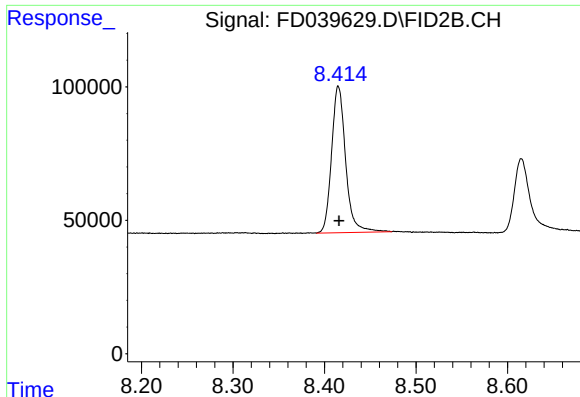
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.135 min
Delta R.T.: 0.000 min
Response: 633485
Conc: 4.85 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.745 min
Delta R.T.: 0.000 min
Response: 539989
Conc: 4.80 ug/ml



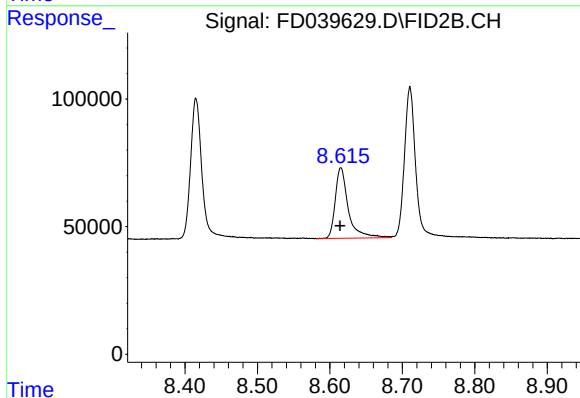
#5 Acenaphthylene (C15.06)

R.T.: 8.415 min
Delta R.T.: 0.000 min
Response: 586545
Conc: 4.86 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

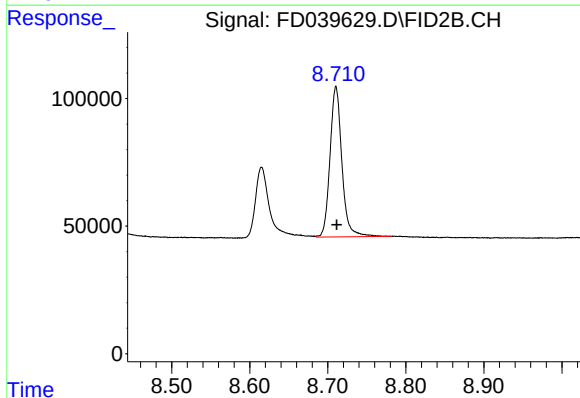
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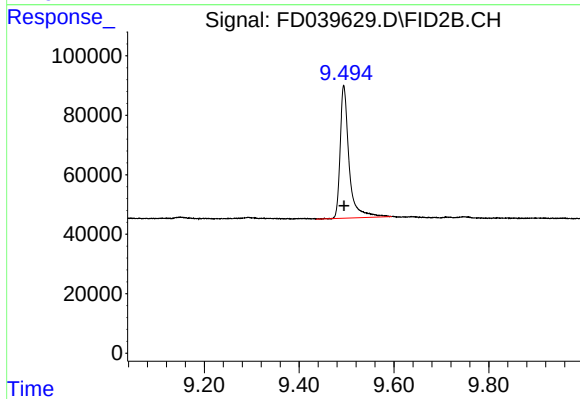
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.615 min
Delta R.T.: 0.001 min
Response: 346840
Conc: 4.56 ug/ml



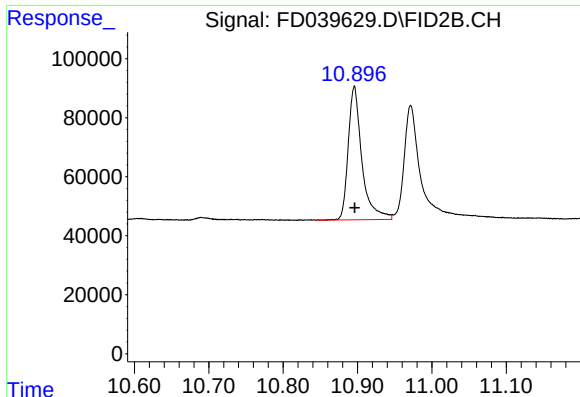
#7 Acenaphthene (C15.5)

R.T.: 8.711 min
Delta R.T.: 0.000 min
Response: 624855
Conc: 4.88 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.494 min
Delta R.T.: 0.000 min
Response: 582390
Conc: 4.70 ug/ml



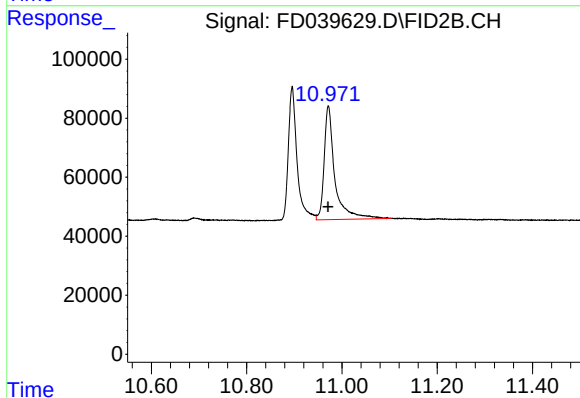
#9 Phenanthrene (C19.36)

R.T.: 10.896 min
Delta R.T.: 0.000 min
Response: 578672
Conc: 4.80 ug/ml

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5 PPM AROMATIC HC STD5

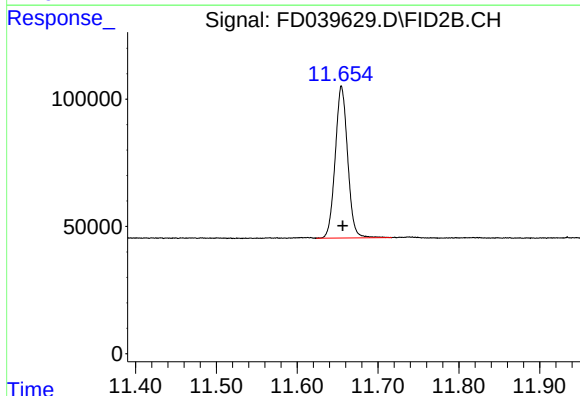
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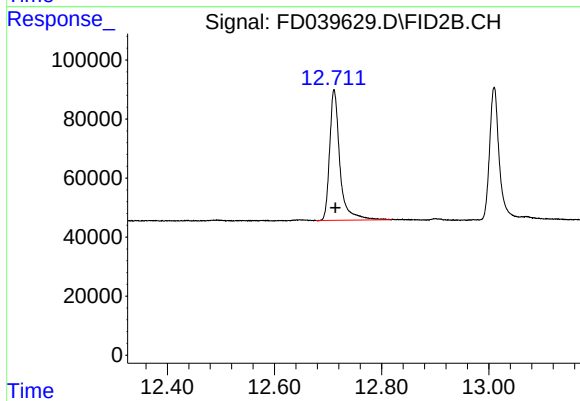
#10 Anthracene (C19.43)

R.T.: 10.972 min
Delta R.T.: 0.000 min
Response: 602091
Conc: 4.99 ug/ml



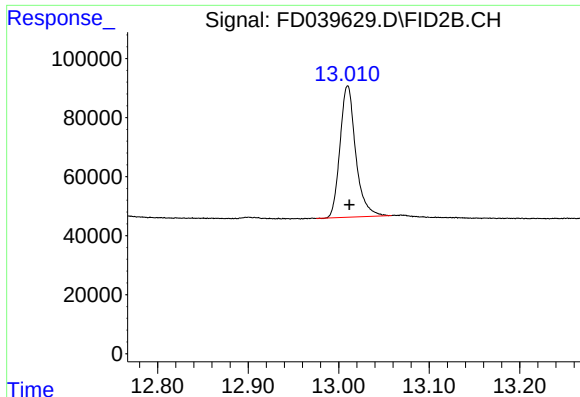
#11 ortho-Terphenyl (SURR)

R.T.: 11.655 min
Delta R.T.: -0.001 min
Response: 638591
Conc: 5.22 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.711 min
Delta R.T.: -0.002 min
Response: 588083
Conc: 4.97 ug/ml



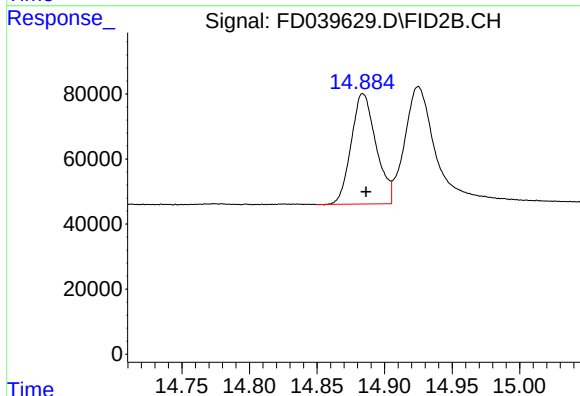
#13 Pyrene (C20.8)

R.T.: 13.010 min
Delta R.T.: -0.002 min
Response: 535549
Conc: 4.68 ug/ml

Instrument :
FID_D
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5 PPM AROMATIC HC STD5

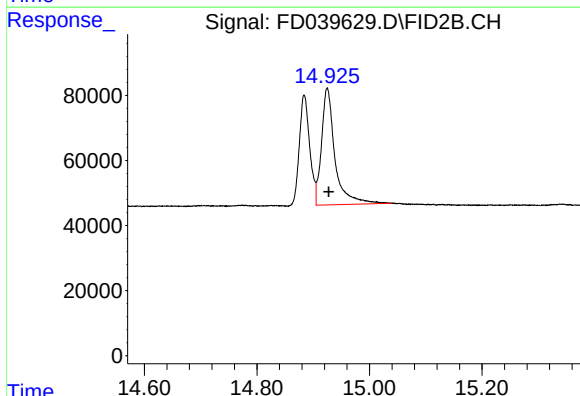
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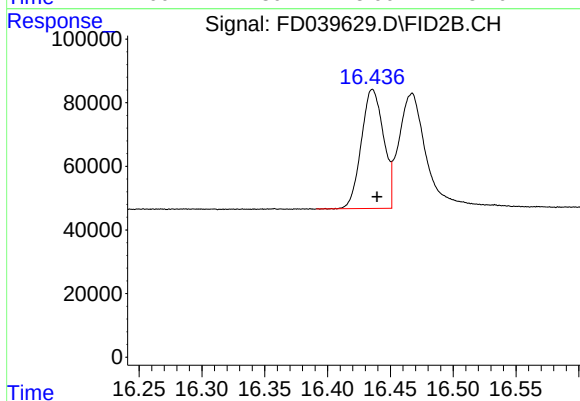
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.884 min
Delta R.T.: -0.003 min
Response: 433764
Conc: 4.38 ug/ml



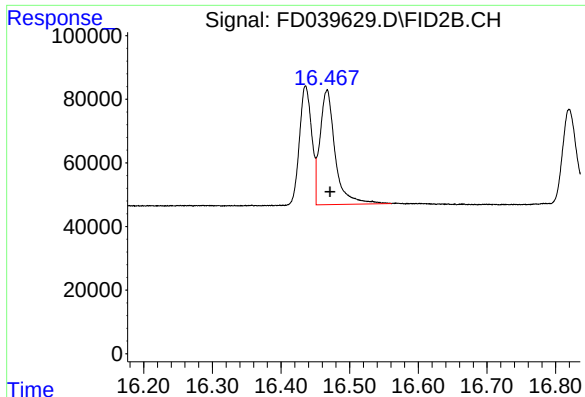
#15 Chrysene (C27.41)

R.T.: 14.925 min
Delta R.T.: -0.003 min
Response: 595210
Conc: 5.26 ug/ml



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

R.T.: 16.436 min
Delta R.T.: -0.004 min
Response: 460911
Conc: 4.71 ug/ml



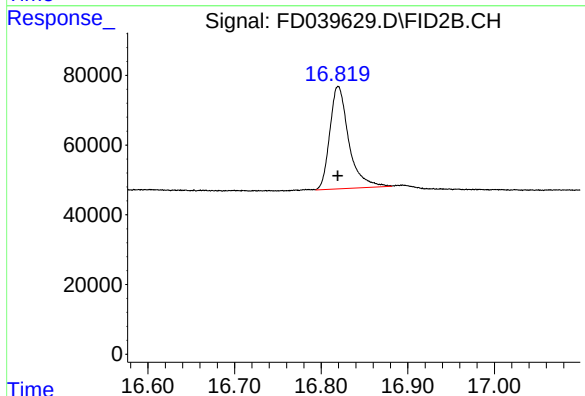
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.467 min
Delta R.T.: -0.004 min
Response: 554709
Conc: 5.33 ug/ml

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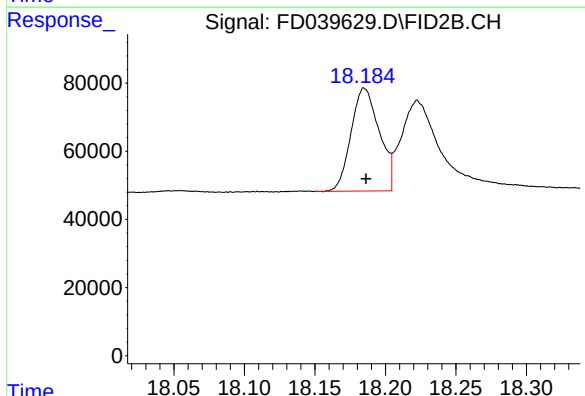
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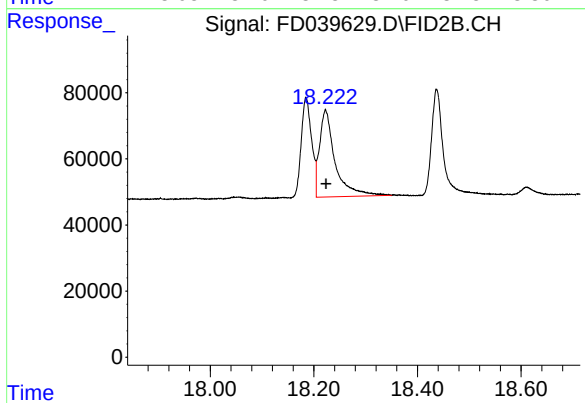
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.819 min
Delta R.T.: 0.000 min
Response: 446928
Conc: 4.57 ug/ml m



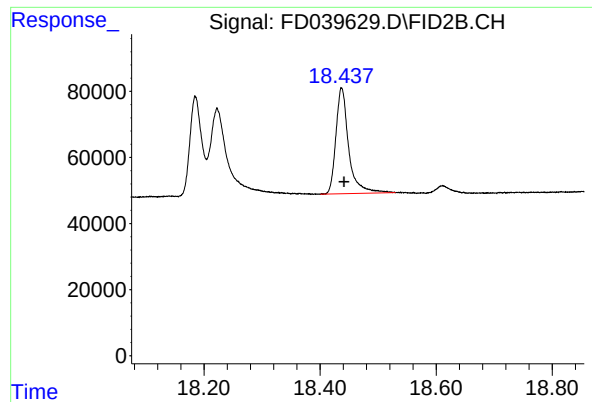
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.185 min
Delta R.T.: -0.001 min
Response: 421345
Conc: 4.58 ug/ml



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

R.T.: 18.223 min
Delta R.T.: -0.001 min
Response: 548850
Conc: 5.28 ug/ml



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

R.T.: 18.437 min
Delta R.T.: -0.004 min
Response: 490674
Conc: 4.97 ug/ml

Instrument :

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