

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD113023AR\
 Data File : FD046988.D
 Signal(s) : FID2B.ch
 Acq On : 30 Nov 2023 08:56
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :Ankita Jodhani 12/01/2023

Integration File: autoint1.e
 Quant Time: Nov 30 23:25:21 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:30:33 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...	7.475	3605999	20.843 ug/ml
Spiked Amount 50.000		Recovery =	41.69%
6) S 2-Fluorobiphenyl (SURR)	8.328	2356209	21.668 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	43.34%
11) S ortho-Terphenyl (SURR)	11.365	4327475	21.747 ug/ml
Spiked Amount 50.000		Recovery =	43.49%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.288	3722372	20.006 ug/ml
2) T Naphthalene (C11.7)	5.814	3918707	20.578 ug/ml
3) T 2-Methylnaphthalene (...)	6.863	3968396	20.607 ug/ml
5) T Acenaphthylene (C15.06)	8.131	3667188	21.067 ug/ml
7) T Acenaphthene (C15.5)	8.426	3924675	21.163 ug/ml
8) T Fluorene (C16.55)	9.205	3748269	21.715 ug/ml
9) T Phenanthrene (C19.36)	10.593	3599918	21.926 ug/ml
10) T Anthracene (C19.43)	10.667	3334926	21.566 ug/ml
12) T Fluoranthene (C21.85)	12.396	3554287	22.425 ug/ml
13) T Pyrene (C20.8)	12.690	3453213	22.570 ug/ml
14) T Benzo[a]anthracene (C...	14.552	2823046	21.772 ug/mlm
15) T Chrysene (C27.41)	14.594	3045196	21.245 ug/mlm
16) T benzo[b]fluoranthene ...	16.095	2957511	22.142 ug/ml
17) T Bnezo[k]fluoranthene ...	16.127	3029743	22.176 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	2815888	21.494 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.826	2371764	19.877 ug/ml
20) T Dibenz[a,h]anthracene...	17.867	2566533	19.752 ug/ml
21) T Benzo[g,h,i]perylene ...	18.077	2670368	20.409 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

```
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Misc      :  
ALS Vial  : 52   Sample Multiplier: 1
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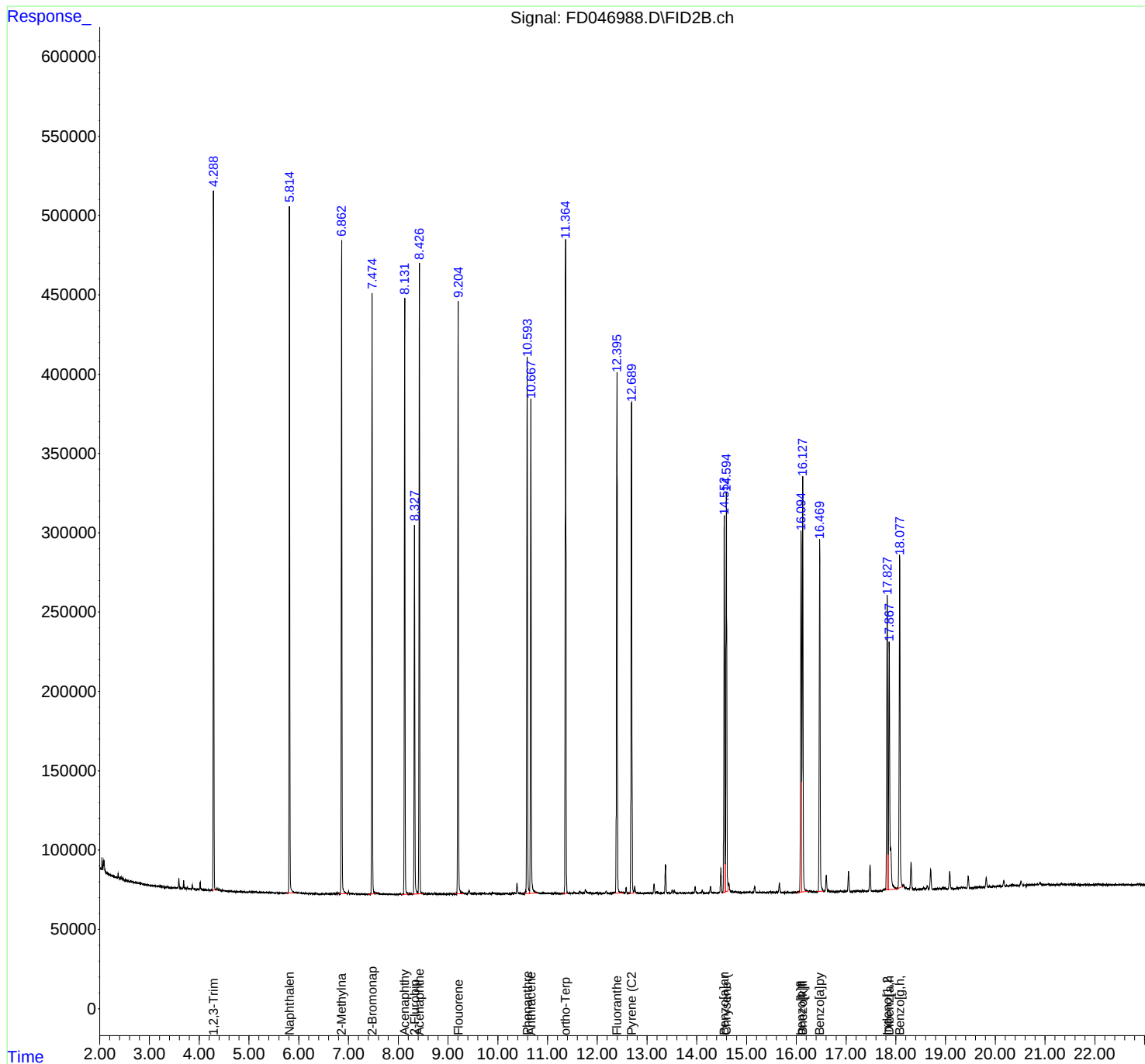
Instrument :
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20 PPM AROMATIC HC STD

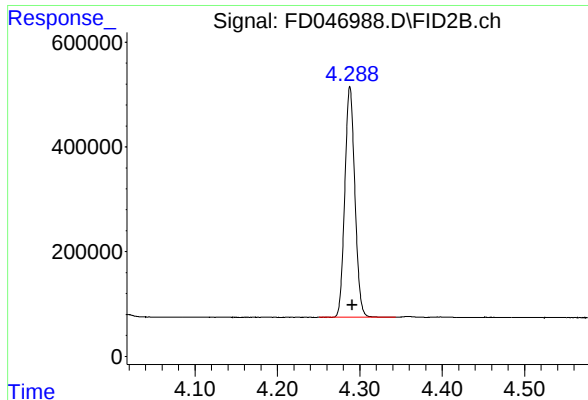
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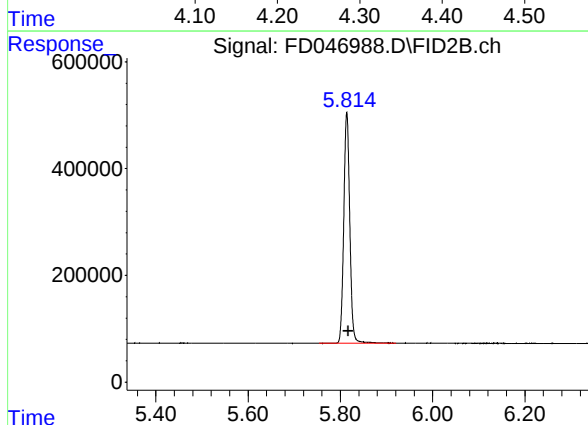
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.288 min
Delta R.T.: -0.003 min
Response: 3722372
Conc: 20.01 ug/ml

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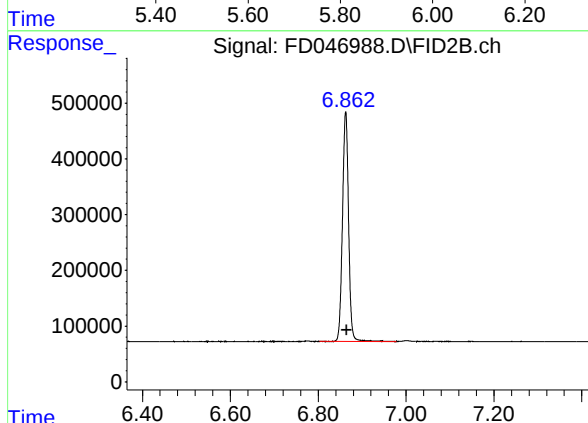
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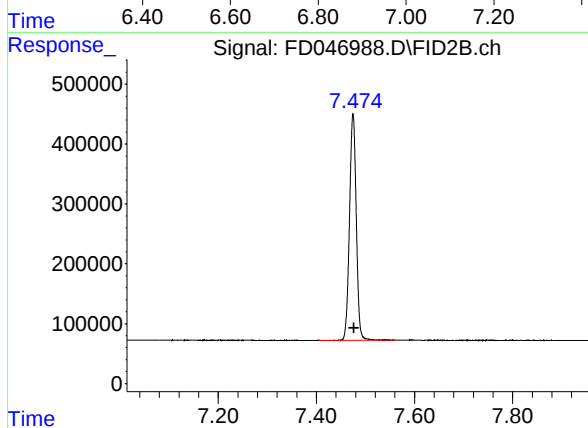
#2 Naphthalene (C11.7)

R.T.: 5.814 min
Delta R.T.: -0.003 min
Response: 3918707
Conc: 20.58 ug/ml



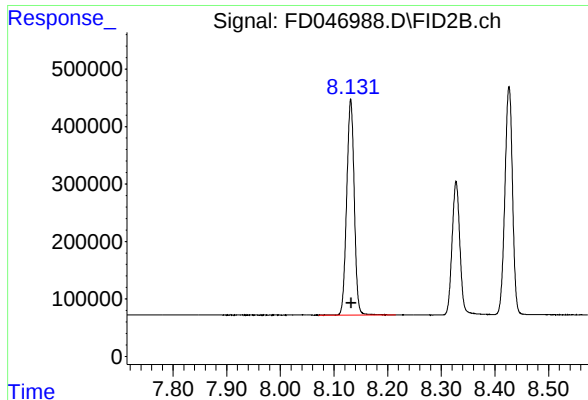
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.863 min
Delta R.T.: -0.002 min
Response: 3968396
Conc: 20.61 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.475 min
Delta R.T.: -0.002 min
Response: 3605999
Conc: 20.84 ug/ml



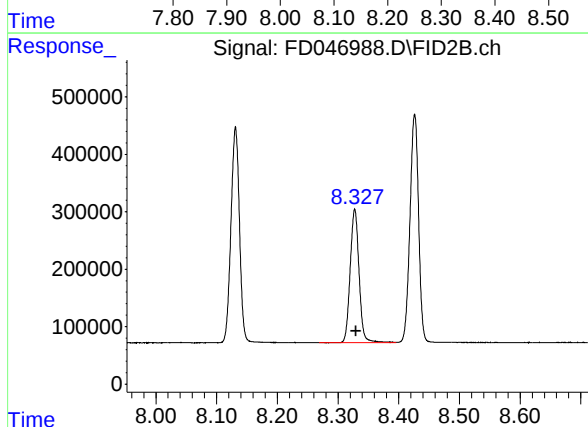
#5 Acenaphthylene (C15.06)

R.T.: 8.131 min
Delta R.T.: -0.001 min
Response: 3667188
Conc: 21.07 ug/ml

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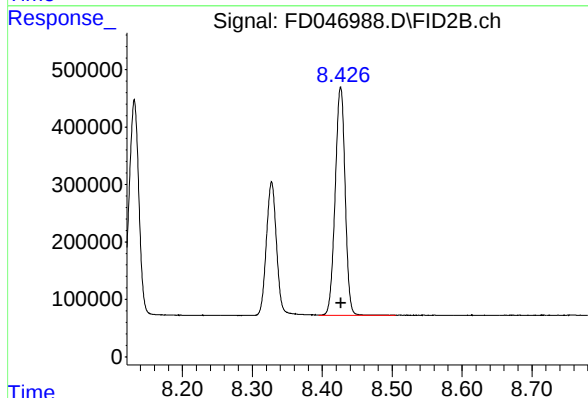
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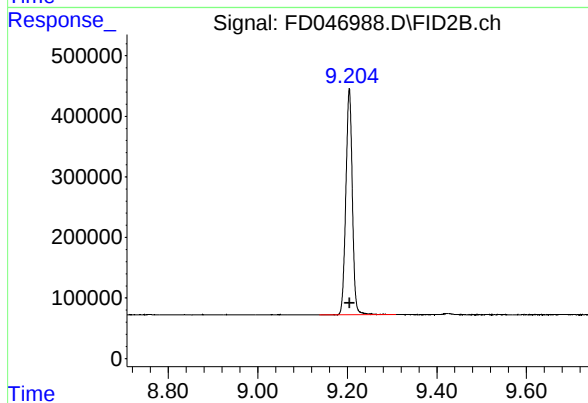
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.328 min
Delta R.T.: -0.002 min
Response: 2356209
Conc: 21.67 ug/ml



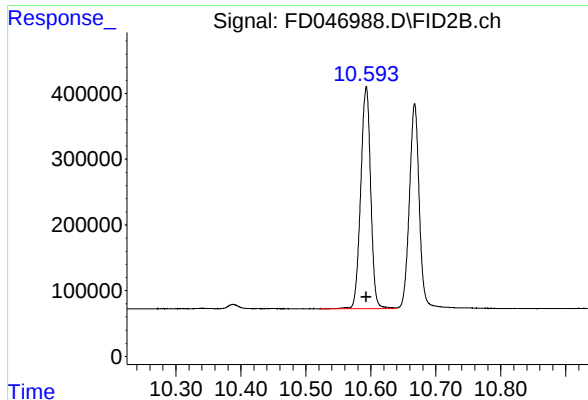
#7 Acenaphthene (C15.5)

R.T.: 8.426 min
Delta R.T.: 0.000 min
Response: 3924675
Conc: 21.16 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.205 min
Delta R.T.: -0.001 min
Response: 3748269
Conc: 21.71 ug/ml



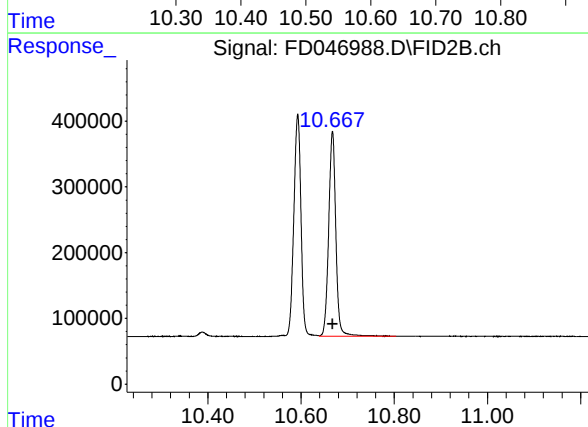
#9 Phenanthrene (C19.36)

R.T.: 10.593 min
Delta R.T.: 0.000 min
Response: 3599918
Conc: 21.93 ug/ml

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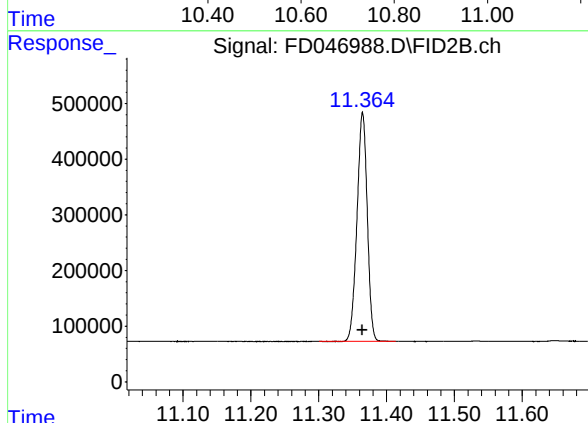
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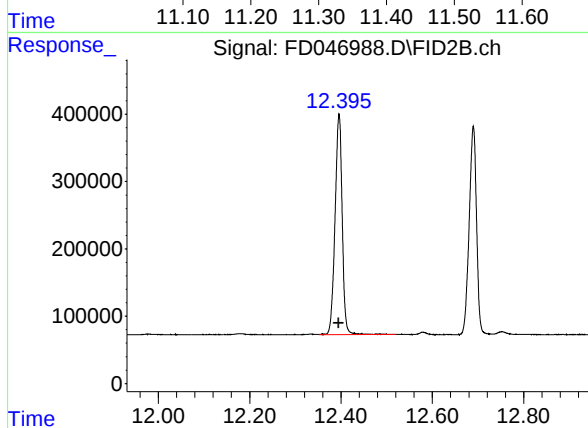
#10 Anthracene (C19.43)

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 3334926
Conc: 21.57 ug/ml



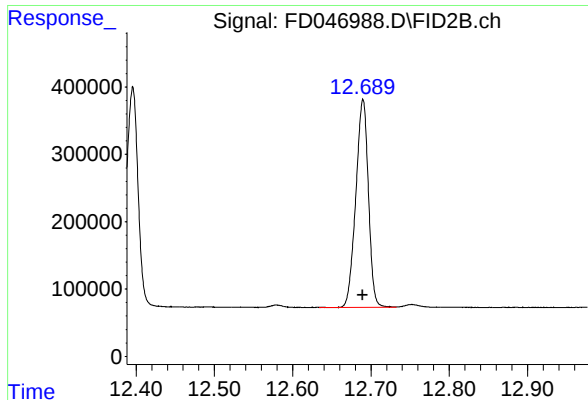
#11 ortho-Terphenyl (SURR)

R.T.: 11.365 min
Delta R.T.: 0.000 min
Response: 4327475
Conc: 21.75 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.396 min
Delta R.T.: 0.000 min
Response: 3554287
Conc: 22.43 ug/ml



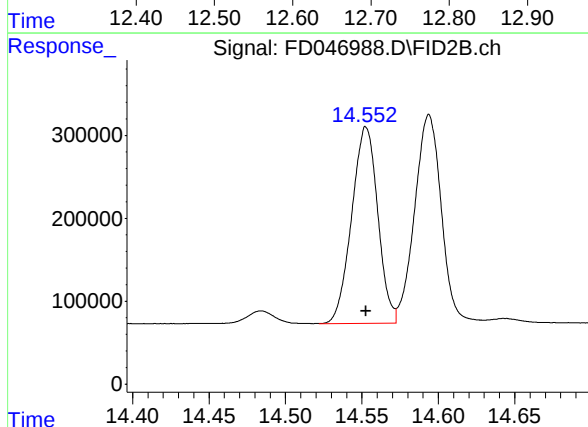
#13 Pyrene (C20.8)

R.T.: 12.690 min
Delta R.T.: 0.000 min
Response: 3453213
Conc: 22.57 ug/ml

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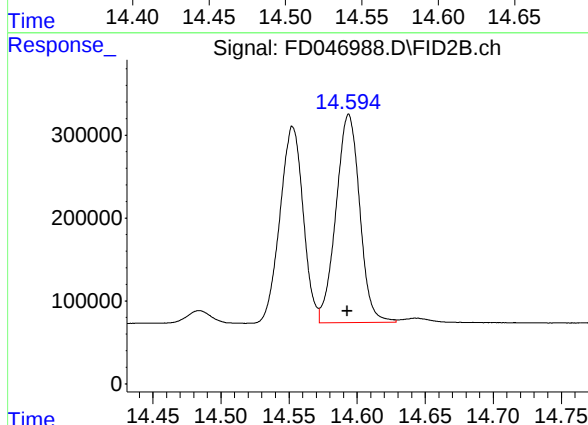
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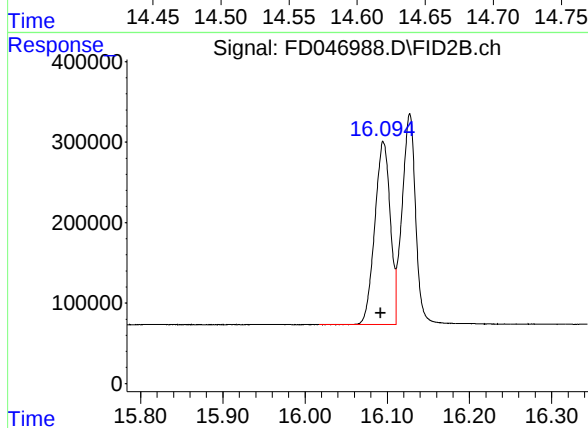
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.552 min
Delta R.T.: 0.000 min
Response: 2823046
Conc: 21.77 ug/ml m



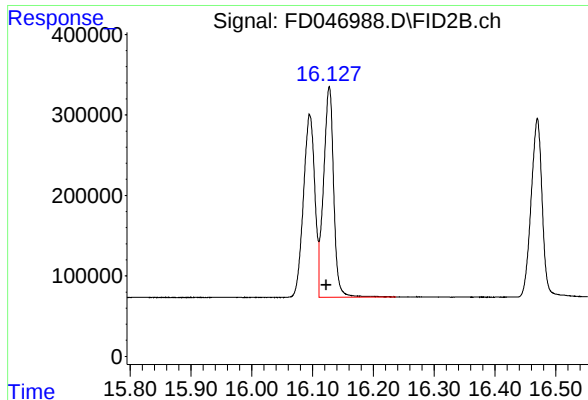
#15 Chrysene (C27.41)

R.T.: 14.594 min
Delta R.T.: 0.000 min
Response: 3045196
Conc: 21.25 ug/ml m



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

R.T.: 16.095 min
Delta R.T.: 0.003 min
Response: 2957511
Conc: 22.14 ug/ml



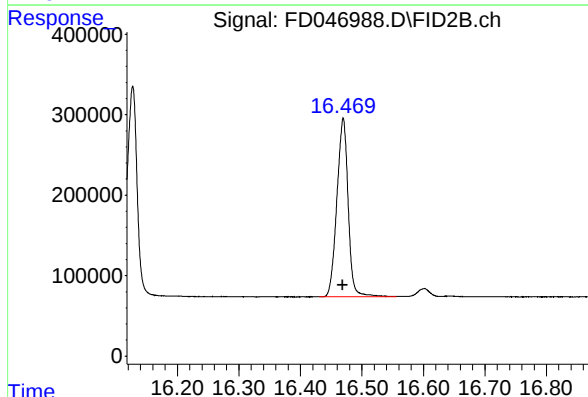
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.127 min
Delta R.T.: 0.004 min
Response: 3029743
Conc: 22.18 ug/ml

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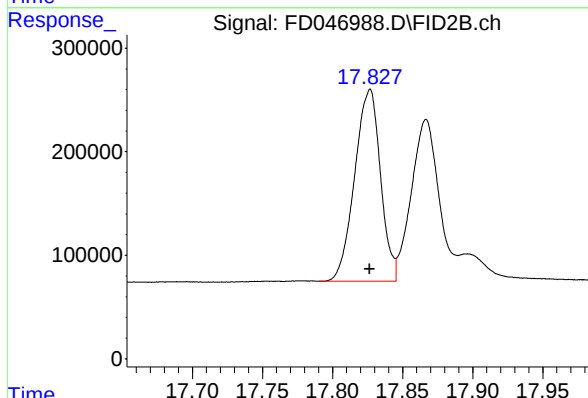
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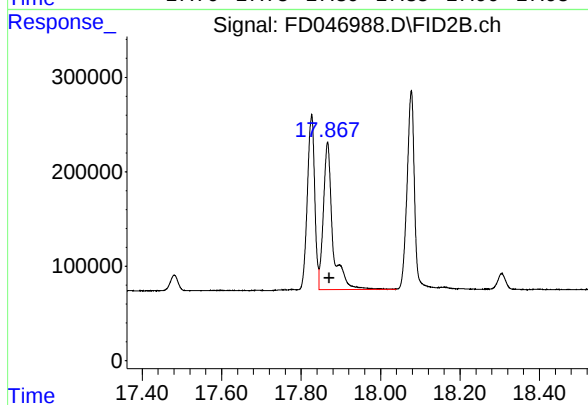
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 2815888
Conc: 21.49 ug/ml



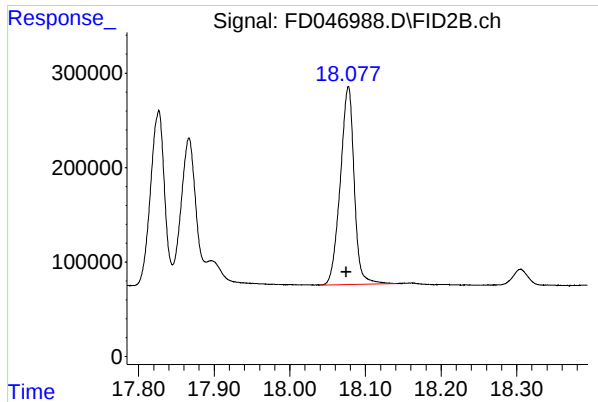
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.826 min
Delta R.T.: 0.000 min
Response: 2371764
Conc: 19.88 ug/ml



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

R.T.: 17.867 min
Delta R.T.: -0.005 min
Response: 2566533
Conc: 19.75 ug/ml



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

R.T.: 18.077 min
Delta R.T.: 0.003 min
Response: 2670368
Conc: 20.41 ug/ml

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