

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082823AR\
 Data File : FD046394.D
 Signal(s) : FID2B.ch
 Acq On : 28 Aug 2023 13:12
 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 08/29/2023
 Supervised By :Ankita Jodhani 08/29/2023

Integration File: autoint1.e
 Quant Time: Aug 28 22:32:53 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082223.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 22 12:26:56 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...	7.494	3185687	18.863 ug/ml
Spiked Amount 50.000		Recovery =	37.73%
6) S 2-Fluorobiphenyl (SURR)	8.348	2094663	18.822 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.64%
11) S ortho-Terphenyl (SURR)	11.387	3744539	19.092 ug/ml
Spiked Amount 50.000		Recovery =	38.18%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.306	3304906	18.808 ug/ml
2) T Naphthalene (C11.7)	5.833	3474305	18.851 ug/ml
3) T 2-Methylnaphthalene (...)	6.883	3513787	18.925 ug/ml
5) T Acenaphthylene (C15.06)	8.152	3202836	18.821 ug/ml
7) T Acenaphthene (C15.5)	8.447	3385882	18.794 ug/ml
8) T Fluorene (C16.55)	9.225	3307116	18.909 ug/ml
9) T Phenanthrene (C19.36)	10.614	3237300	18.868 ug/ml
10) T Anthracene (C19.43)	10.689	2996769	17.764 ug/ml
12) T Fluoranthene (C21.85)	12.418	3174284	19.080 ug/ml
13) T Pyrene (C20.8)	12.712	3052483	18.939 ug/ml
14) T Benzo[a]anthracene (C...	14.574	2630322	18.696 ug/ml
15) T Chrysene (C27.41)	14.618	2833981	19.105 ug/ml
16) T benzo[b]fluoranthene ...	16.116	2572858	18.935 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.148	2568916	18.936 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.491	2464881	18.707 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.847	2287321	18.337 ug/mlm
20) T Dibenz[a,h]anthracene...	17.889	2383466	19.021 ug/ml
21) T Benzo[g,h,i]perylene ...	18.099	2406638	18.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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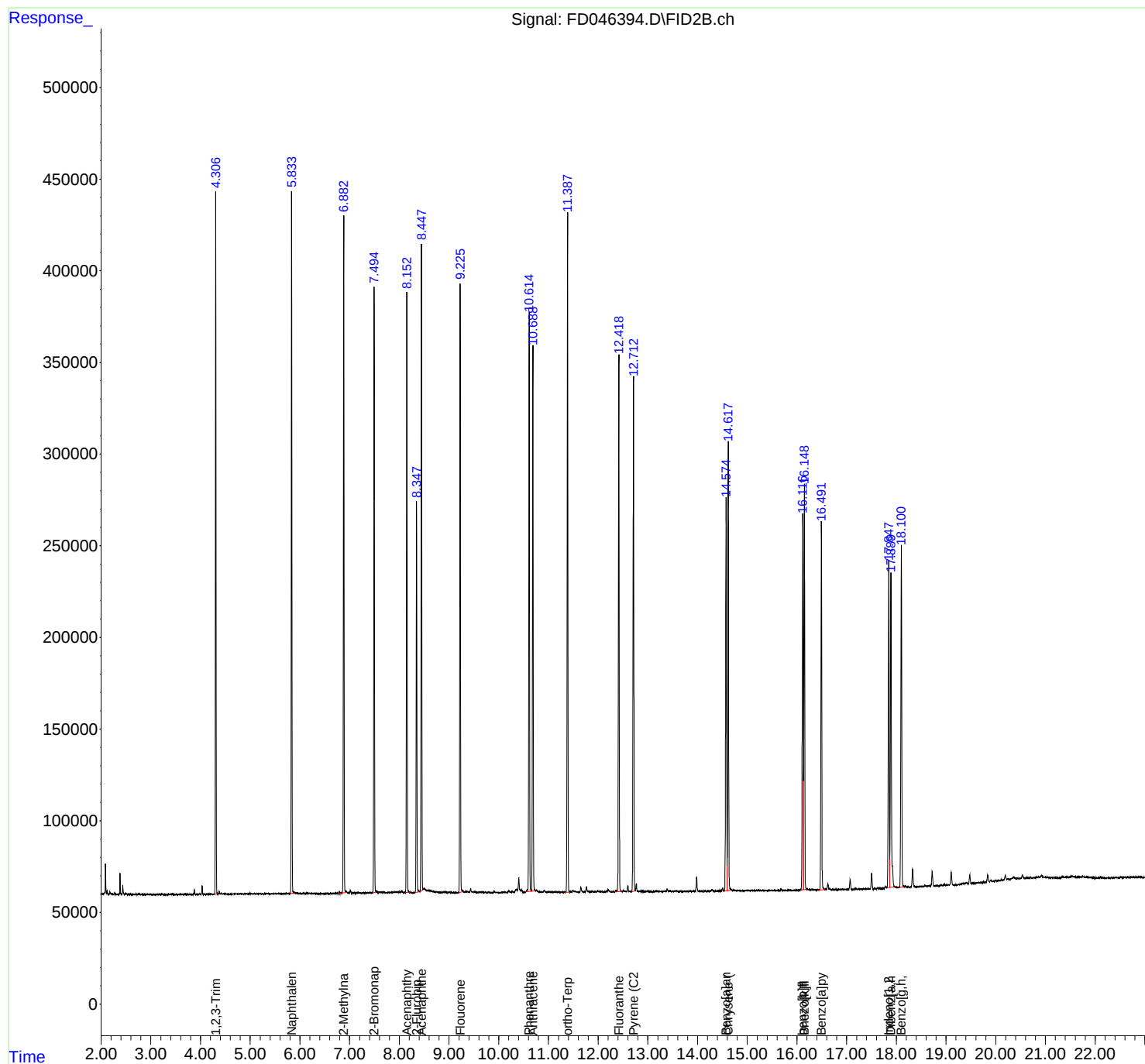
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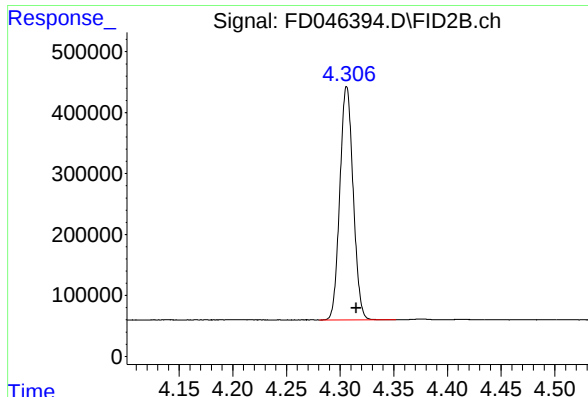
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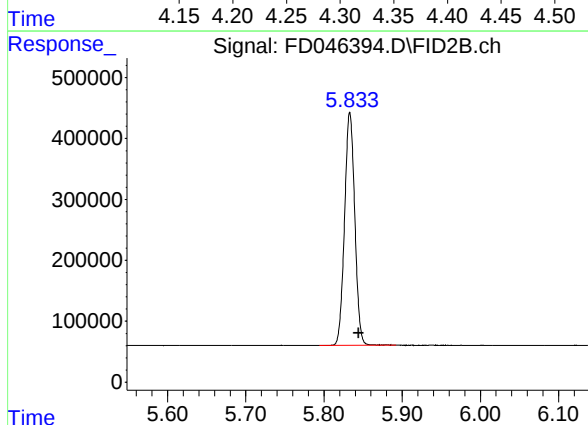
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.306 min
Delta R.T.: -0.009 min
Response: 3304906
Conc: 18.81 ug/ml

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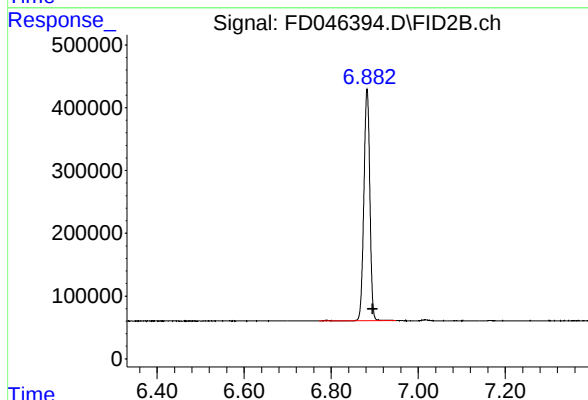
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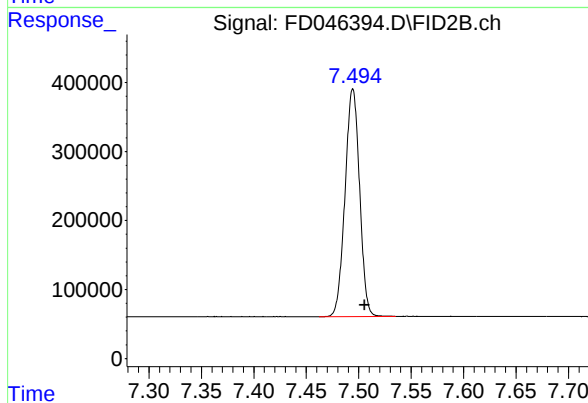
#2 Naphthalene (C11.7)

R.T.: 5.833 min
Delta R.T.: -0.011 min
Response: 3474305
Conc: 18.85 ug/ml



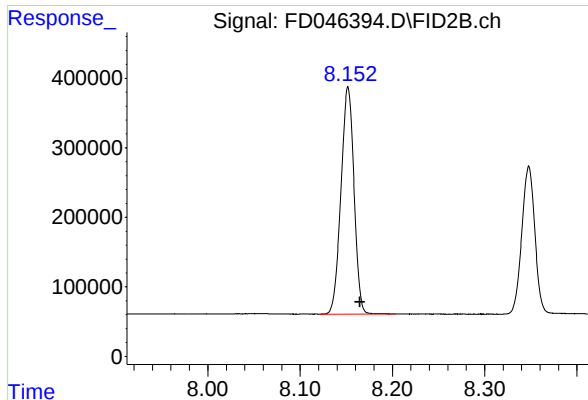
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.883 min
Delta R.T.: -0.013 min
Response: 3513787
Conc: 18.92 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.494 min
Delta R.T.: -0.011 min
Response: 3185687
Conc: 18.86 ug/ml



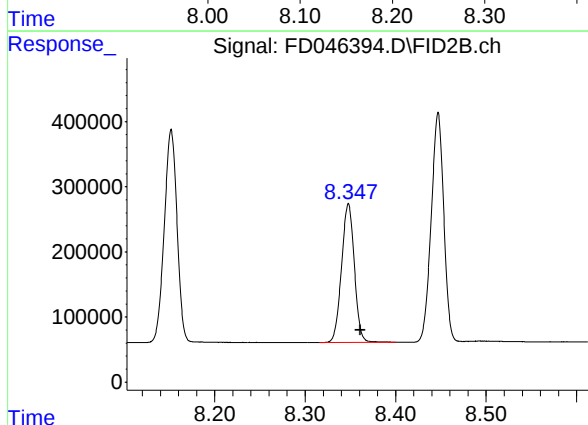
#5 Acenaphthylene (C15.06)

R.T.: 8.152 min
Delta R.T.: -0.013 min
Response: 3202836
Conc: 18.82 ug/ml

Instrument :
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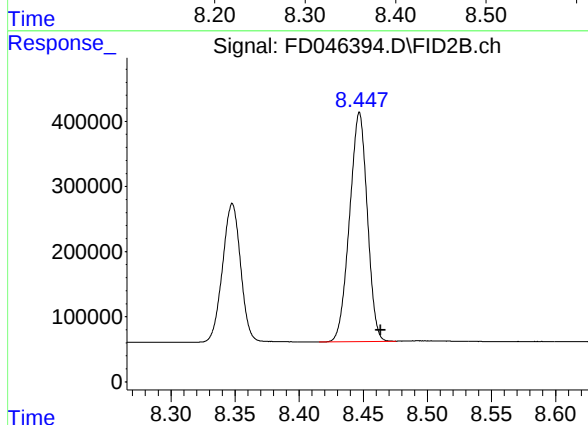
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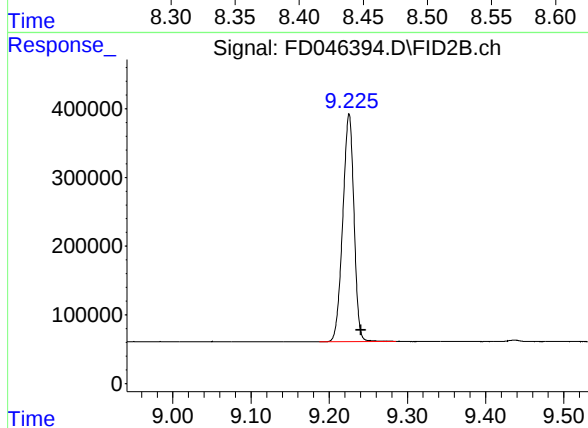
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.348 min
Delta R.T.: -0.013 min
Response: 2094663
Conc: 18.82 ug/ml



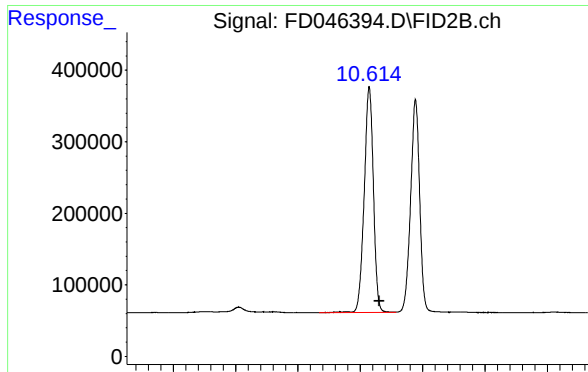
#7 Acenaphthene (C15.5)

R.T.: 8.447 min
Delta R.T.: -0.016 min
Response: 3385882
Conc: 18.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.225 min
Delta R.T.: -0.015 min
Response: 3307116
Conc: 18.91 ug/ml



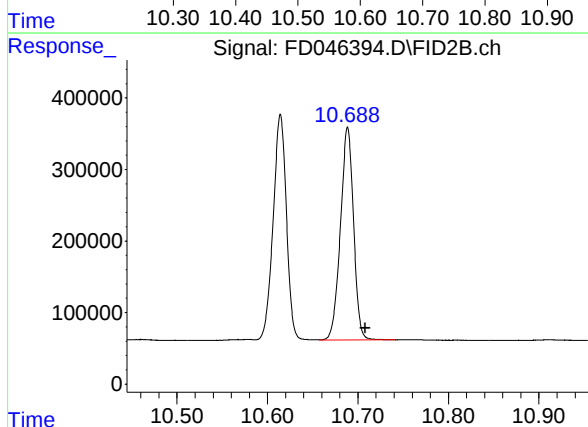
#9 Phenanthrene (C19.36)

R.T.: 10.614 min
Delta R.T.: -0.016 min
Response: 3237300
Conc: 18.87 ug/ml

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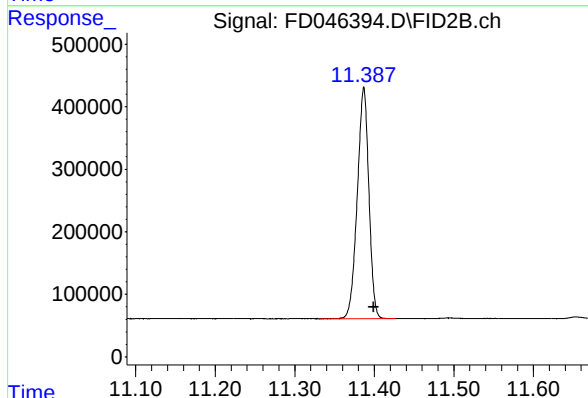
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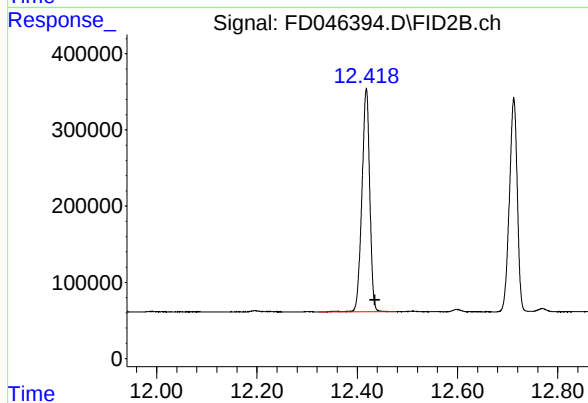
#10 Anthracene (C19.43)

R.T.: 10.689 min
Delta R.T.: -0.019 min
Response: 2996769
Conc: 17.76 ug/ml



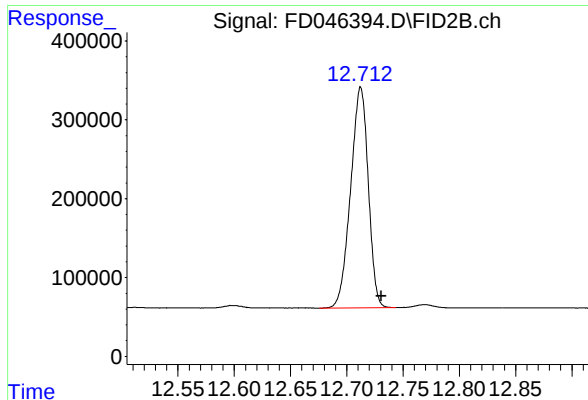
#11 ortho-Terphenyl (SURR)

R.T.: 11.387 min
Delta R.T.: -0.013 min
Response: 3744539
Conc: 19.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.418 min
Delta R.T.: -0.018 min
Response: 3174284
Conc: 19.08 ug/ml



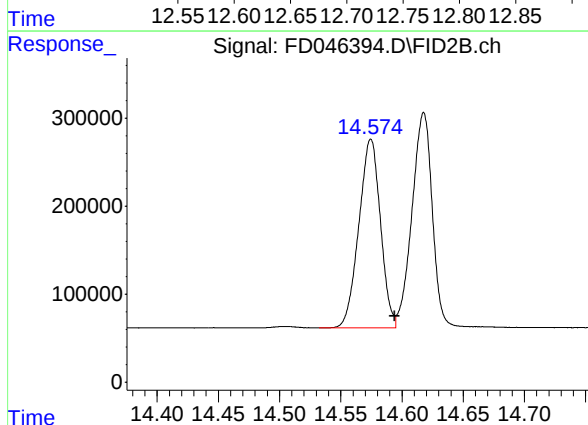
#13 Pyrene (C20.8)

R.T.: 12.712 min
Delta R.T.: -0.018 min
Response: 3052483
Conc: 18.94 ug/ml

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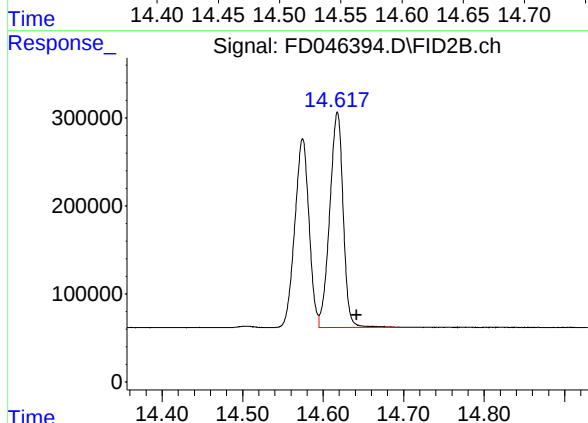
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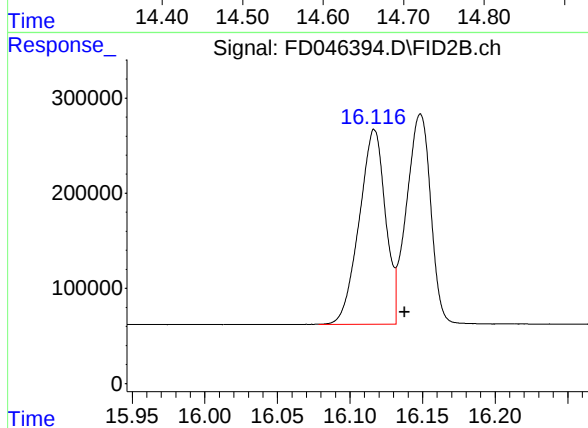
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.574 min
Delta R.T.: -0.019 min
Response: 2630322
Conc: 18.70 ug/ml



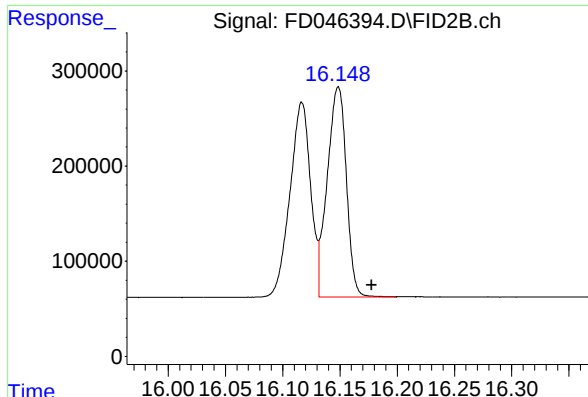
#15 Chrysene (C27.41)

R.T.: 14.618 min
Delta R.T.: -0.024 min
Response: 2833981
Conc: 19.11 ug/ml



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

R.T.: 16.116 min
Delta R.T.: -0.021 min
Response: 2572858
Conc: 18.93 ug/ml m



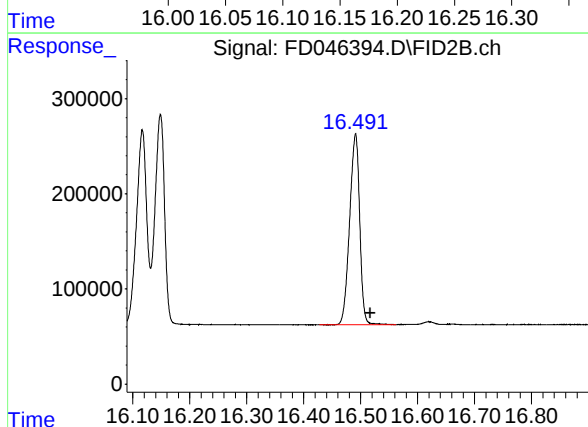
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.148 min
Delta R.T.: -0.029 min
Response: 2568916
Conc: 18.94 ug/ml

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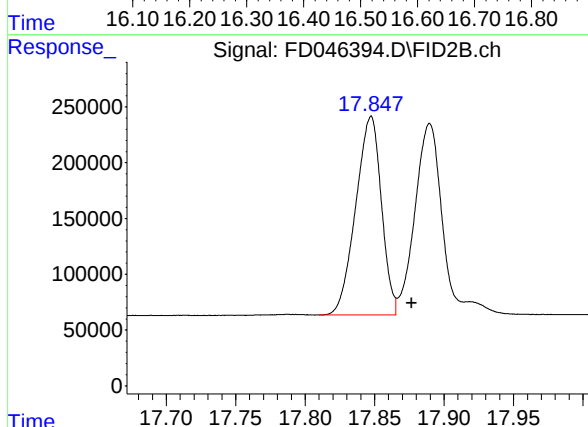
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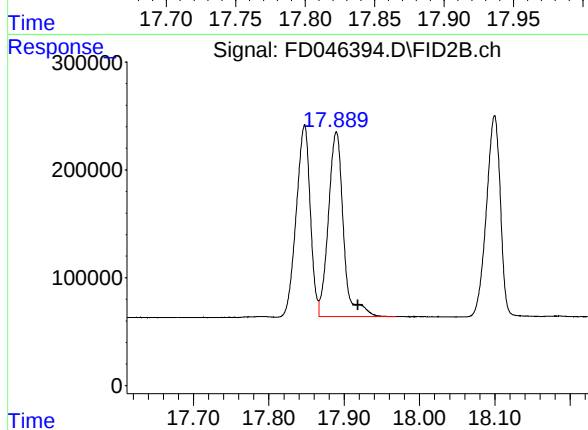
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.491 min
Delta R.T.: -0.026 min
Response: 2464881
Conc: 18.71 ug/ml



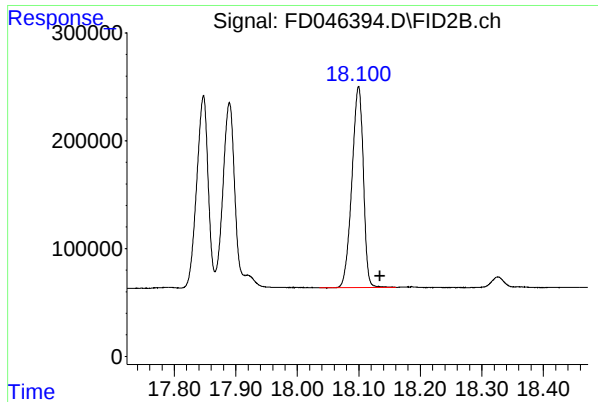
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.847 min
Delta R.T.: -0.029 min
Response: 2287321
Conc: 18.34 ug/ml m



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

R.T.: 17.889 min
Delta R.T.: -0.029 min
Response: 2383466
Conc: 19.02 ug/ml



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

R.T.: 18.099 min
Delta R.T.: -0.035 min
Response: 2406638
Conc: 18.77 ug/ml

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