

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD121421AR\
 Data File : FD039895.D
 Signal(s) : FID2B.CH
 Acq On : 15 Dec 2021 1:43
 Operator : AJ\MA
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Ankita Jodhani 12/16/2021
 Supervised By :Yogesh Patel 12/16/2021

Integration File: autoint1.e
 Quant Time: Dec 15 10:41:42 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 121421.M
 Quant Title : GC Extractables
 QLast Update : Wed Dec 15 10:24:29 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...	6.930	2997914	21.086 ug/ml
Spiked Amount 50.000		Recovery =	42.17%
6) S 2-Fluorobiphenyl (SURR)	7.785	2050982	20.876 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.75%
11) S ortho-Terphenyl (SURR)	10.828	3156136	20.732 ug/ml
Spiked Amount 50.000		Recovery =	41.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	3.764	3194452	21.094 ug/ml
2) T Naphthalene (C11.7)	5.274	3380187	21.032 ug/ml
3) T 2-Methylnaphthalene (...)	6.320	3409472	20.984 ug/ml
5) T Acenaphthylene (C15.06)	7.590	3129348	20.919 ug/ml
7) T Acenaphthene (C15.5)	7.885	3323192	20.916 ug/ml
8) T Flouorene (C16.55)	8.664	3285133	20.879 ug/ml
9) T Phenanthrene (C19.36)	10.056	3220269	20.754 ug/ml
10) T Anthracene (C19.43)	10.130	3096060	20.743 ug/ml
12) T Fluoranthene (C21.85)	11.864	3123027	20.418 ug/ml
13) T Pyrene (C20.8)	12.160	3005653	20.164 ug/ml
14) T Benzo[a]anthracene (C...	14.028	2709432	20.081 ug/mlm
15) T Chrysene (C27.41)	14.071	2780979	19.777 ug/ml
16) T benzo[b]fluoranthene ...	15.574	2677040	19.955 ug/mlm
17) T Bnezo[k]fluoranthene ...	15.607	2641895	19.526 ug/ml
18) T Benzo[a]pyrene (C31.34)	15.951	2567147	19.799 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.312	2430497	19.844 ug/mlm
20) T Dibenz[a,h]anthracene...	17.355	2477354	20.205 ug/ml
21) T Benzo[g,h,i]perylene ...	17.567	2466502	19.744 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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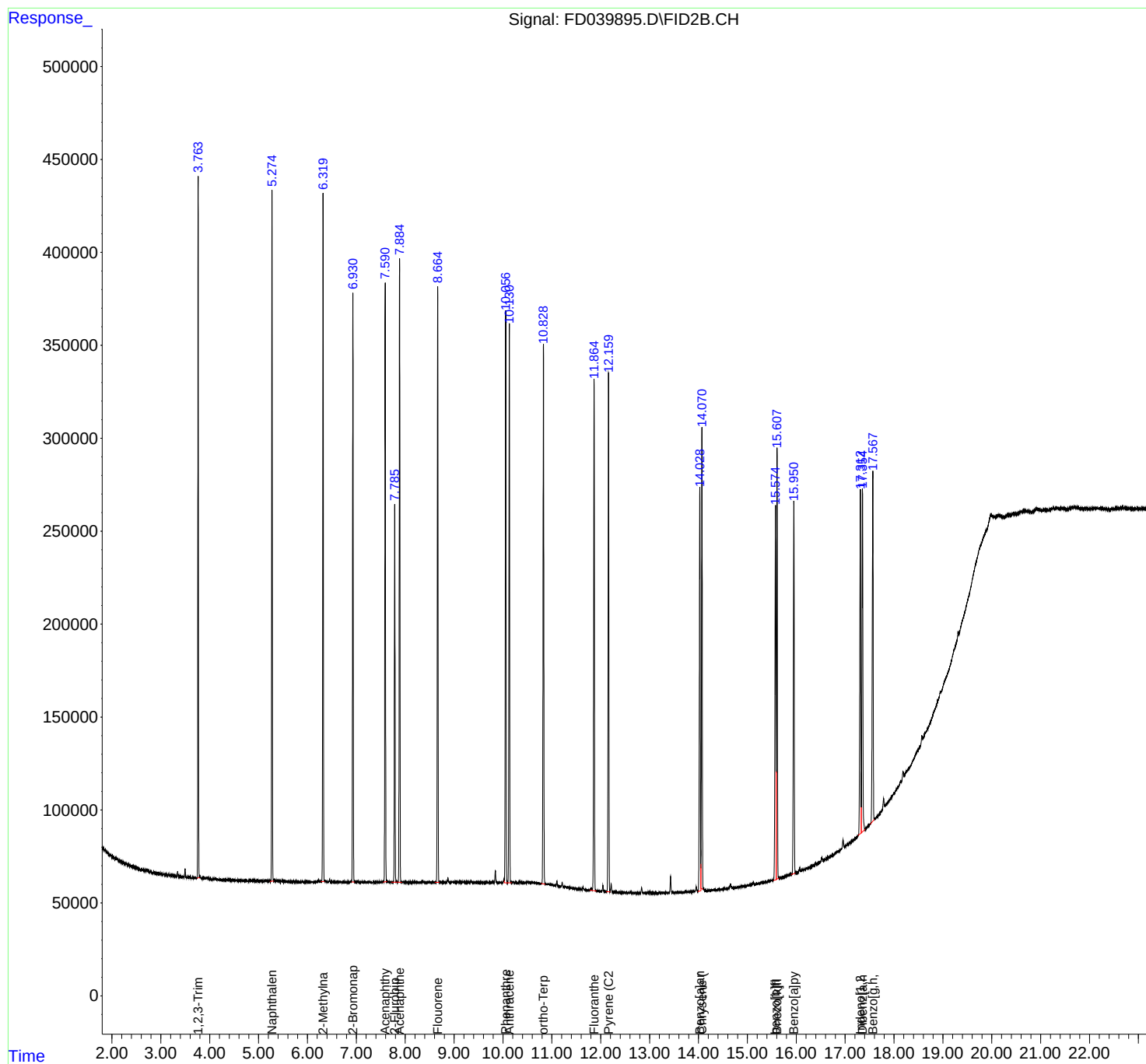
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 20 PPM AROMATIC HC STD

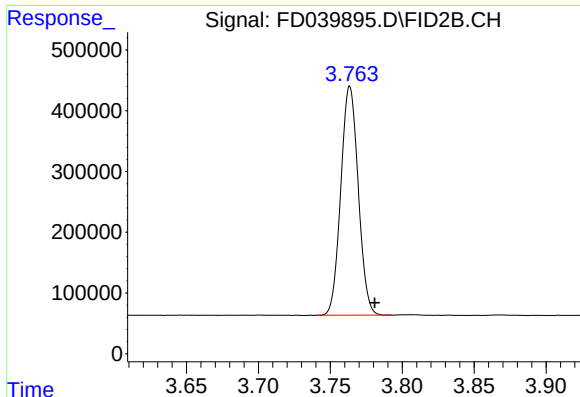
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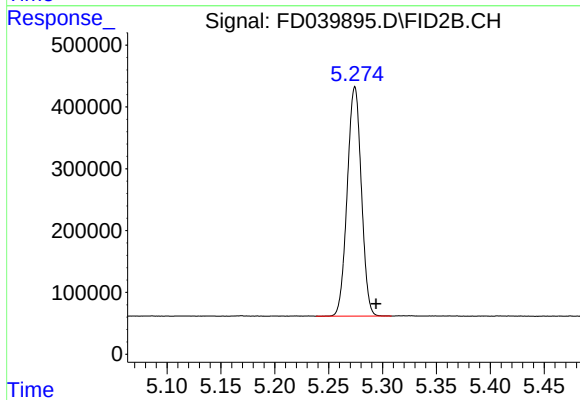
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 3.764 min
Delta R.T.: -0.017 min
Response: 3194452
Conc: 21.09 ug/ml

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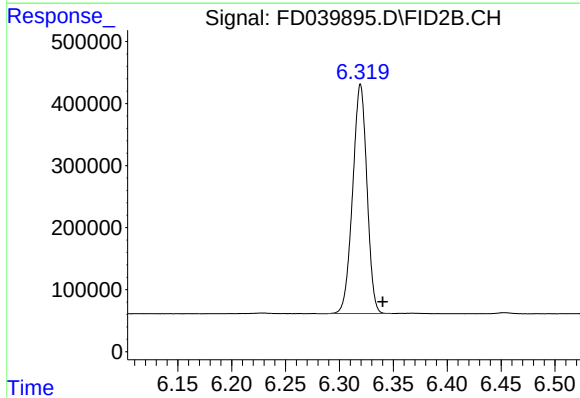
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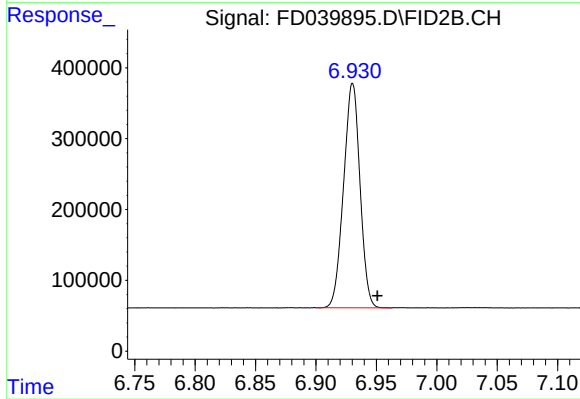
#2 Naphthalene (C11.7)

R.T.: 5.274 min
Delta R.T.: -0.020 min
Response: 3380187
Conc: 21.03 ug/ml



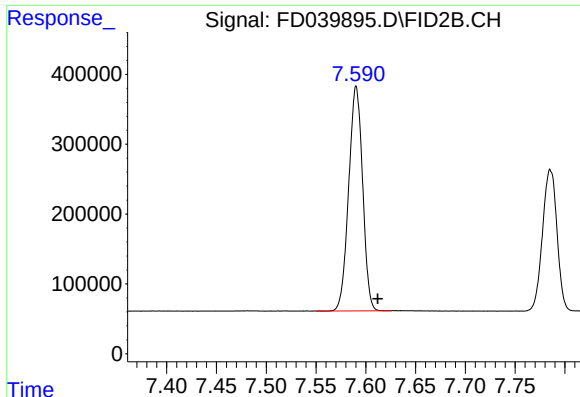
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.320 min
Delta R.T.: -0.021 min
Response: 3409472
Conc: 20.98 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 6.930 min
Delta R.T.: -0.020 min
Response: 2997914
Conc: 21.09 ug/ml



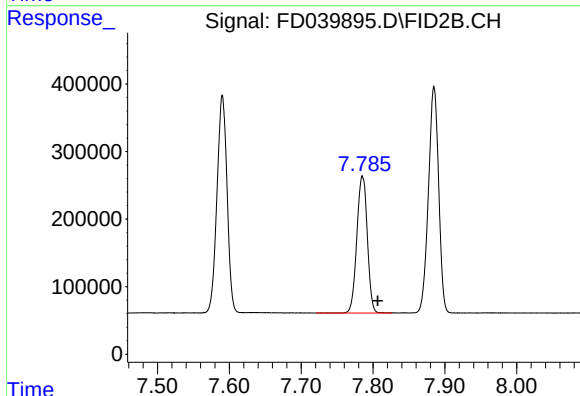
#5 Acenaphthylene (C15.06)

R.T.: 7.590 min
Delta R.T.: -0.022 min
Response: 3129348
Conc: 20.92 ug/ml

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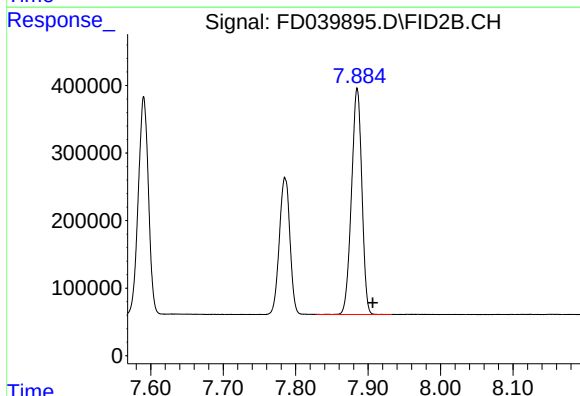
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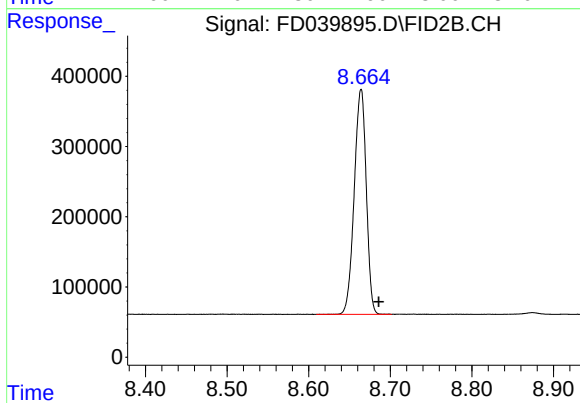
#6 2-Fluorobiphenyl (SURR)

R.T.: 7.785 min
Delta R.T.: -0.021 min
Response: 2050982
Conc: 20.88 ug/ml



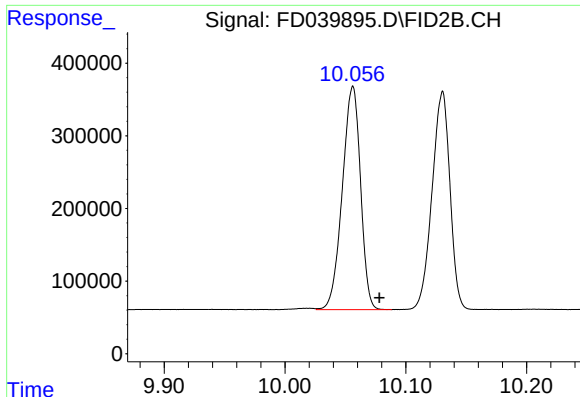
#7 Acenaphthene (C15.5)

R.T.: 7.885 min
Delta R.T.: -0.021 min
Response: 3323192
Conc: 20.92 ug/ml



#8 Fluorene (C16.55)

R.T.: 8.664 min
Delta R.T.: -0.021 min
Response: 3285133
Conc: 20.88 ug/ml



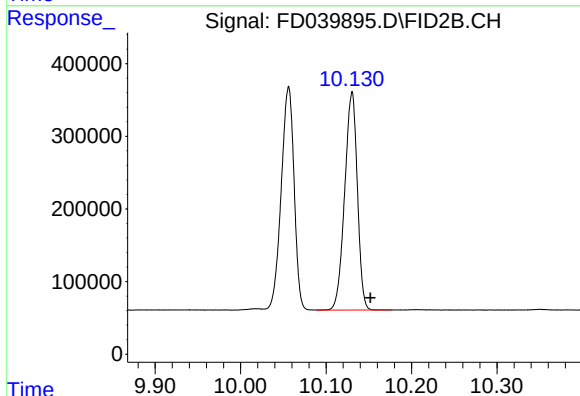
#9 Phenanthrene (C19.36)

R.T.: 10.056 min
Delta R.T.: -0.022 min
Response: 3220269
Conc: 20.75 ug/ml

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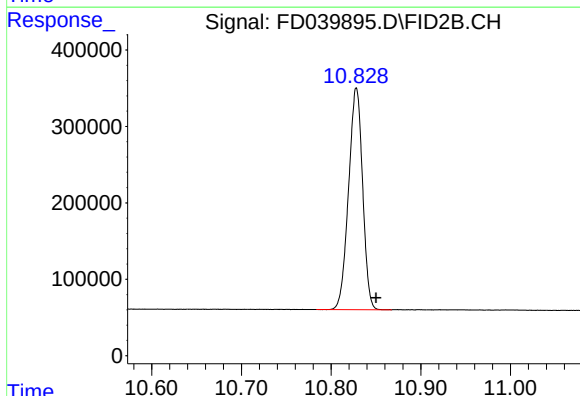
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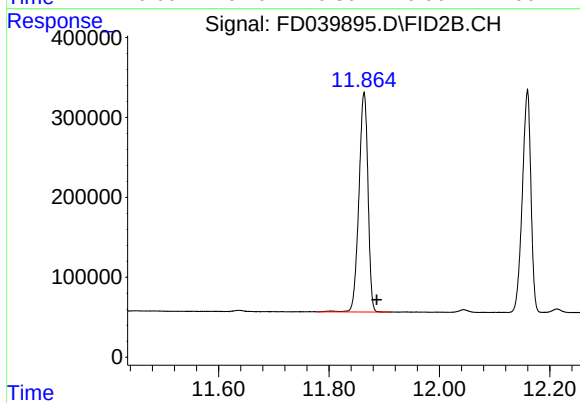
#10 Anthracene (C19.43)

R.T.: 10.130 min
Delta R.T.: -0.022 min
Response: 3096060
Conc: 20.74 ug/ml



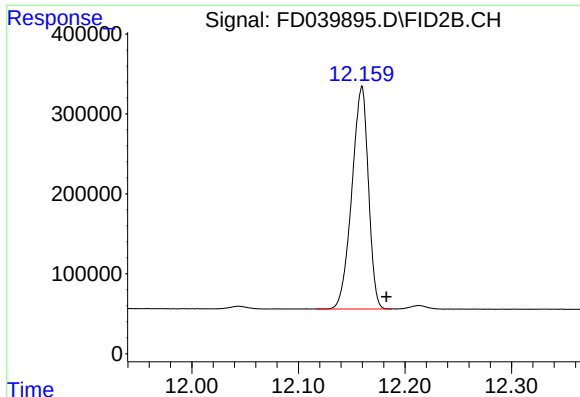
#11 ortho-Terphenyl (SURR)

R.T.: 10.828 min
Delta R.T.: -0.022 min
Response: 3156136
Conc: 20.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 11.864 min
Delta R.T.: -0.023 min
Response: 3123027
Conc: 20.42 ug/ml



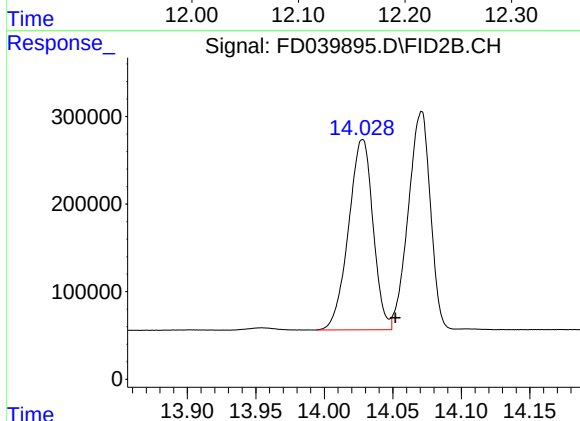
#13 Pyrene (C20.8)

R.T.: 12.160 min
Delta R.T.: -0.023 min
Response: 3005653
Conc: 20.16 ug/ml

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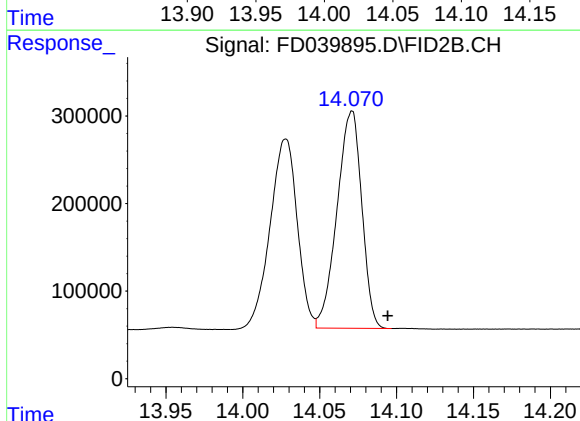
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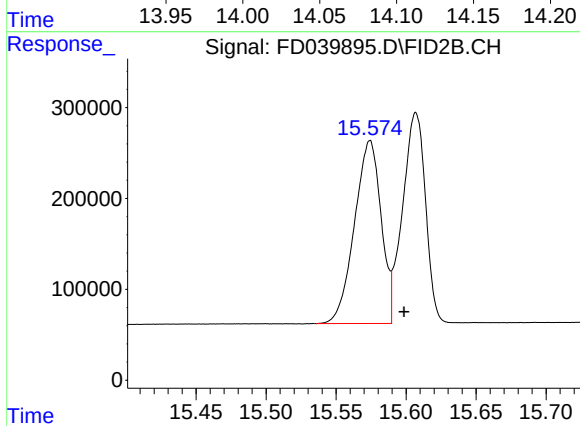
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.028 min
Delta R.T.: -0.024 min
Response: 2709432
Conc: 20.08 ug/ml m



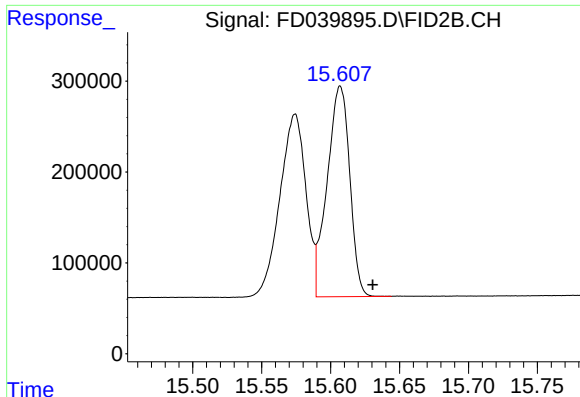
#15 Chrysene (C27.41)

R.T.: 14.071 min
Delta R.T.: -0.023 min
Response: 2780979
Conc: 19.78 ug/ml



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

R.T.: 15.574 min
Delta R.T.: -0.024 min
Response: 2677040
Conc: 19.95 ug/ml m



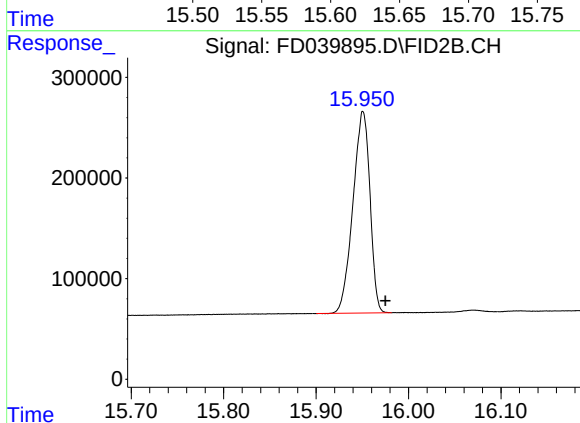
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.607 min
Delta R.T.: -0.024 min
Response: 2641895
Conc: 19.53 ug/ml

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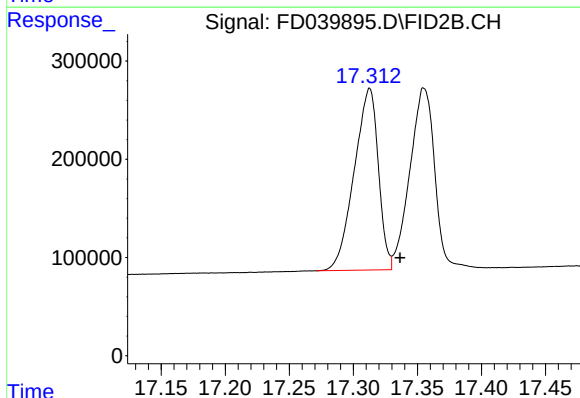
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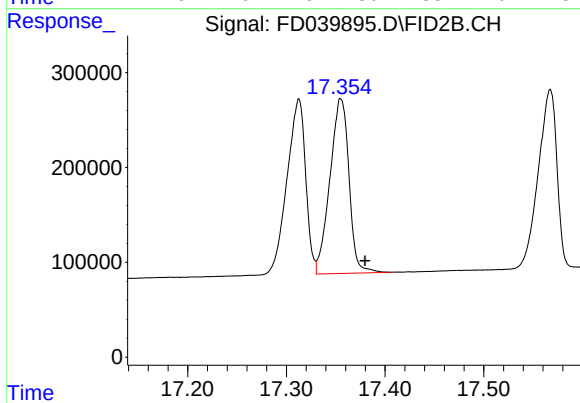
#18 Benzo[a]pyrene (C31.34)

R.T.: 15.951 min
Delta R.T.: -0.024 min
Response: 2567147
Conc: 19.80 ug/ml



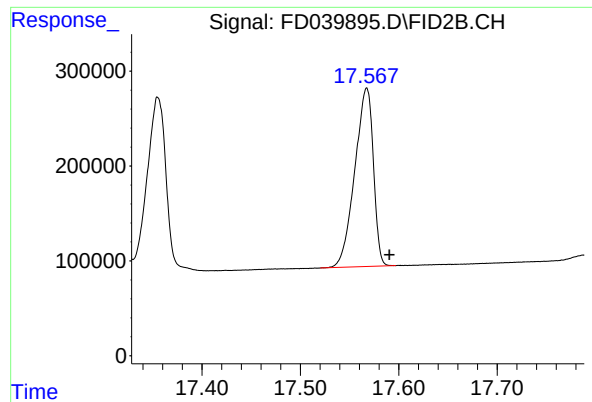
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.312 min
Delta R.T.: -0.024 min
Response: 2430497
Conc: 19.84 ug/ml m



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

R.T.: 17.355 min
Delta R.T.: -0.024 min
Response: 2477354
Conc: 20.20 ug/ml



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

R.T.: 17.567 min
Delta R.T.: -0.023 min
Response: 2466502
Conc: 19.74 ug/ml

Instrument :

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