

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD011422AR\
 Data File : FD040613.D
 Signal(s) : FID2B.CH
 Acq On : 14 Jan 2022 13:16
 Operator : AJ\MA
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/14/2022
 Supervised By :Ankita Jodhani 01/17/2022

Integration File: autoint1.e
 Quant Time: Jan 14 13:42:05 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 010422.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 01:13:45 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...	6.733	2883753	20.163 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
6) S 2-Fluorobiphenyl (SURR)	7.581	1896584	19.917 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.83%
11) S ortho-Terphenyl (SURR)	10.615	3139712	20.090 ug/ml
Spiked Amount 50.000		Recovery =	40.18%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	3.592	3231478	20.891 ug/ml
2) T Naphthalene (C11.7)	5.084	3339439	20.865 ug/ml
3) T 2-Methylnaphthalene (...)	6.123	3316657	20.432 ug/ml
5) T Acenaphthylene (C15.06)	7.385	3191536	21.231 ug/ml
7) T Acenaphthene (C15.5)	7.679	3469683	21.526 ug/ml
8) T Flouorene (C16.55)	8.455	3066449	19.729 ug/ml
9) T Phenanthrene (C19.36)	9.841	3009815	19.564 ug/ml
10) T Anthracene (C19.43)	9.915	2711478	18.559 ug/ml
12) T Fluoranthene (C21.85)	11.642	2960144	19.064 ug/ml
13) T Pyrene (C20.8)	11.936	3051080	20.213 ug/ml
14) T Benzo[a]anthracene (C...	13.802	2718293	20.490 ug/ml
15) T Chrysene (C27.41)	13.844	2864088	19.586 ug/ml
16) T benzo[b]fluoranthene ...	15.346	2844803	20.819 ug/mlm
17) T Bnezo[k]fluoranthene ...	15.378	2950289	21.314 ug/ml
18) T Benzo[a]pyrene (C31.34)	15.720	2677138	20.538 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.082	2683486	22.022 ug/ml
20) T Dibenz[a,h]anthracene...	17.125	2748569	22.596 ug/ml
21) T Benzo[g,h,i]perylene ...	17.333	2651851	20.652 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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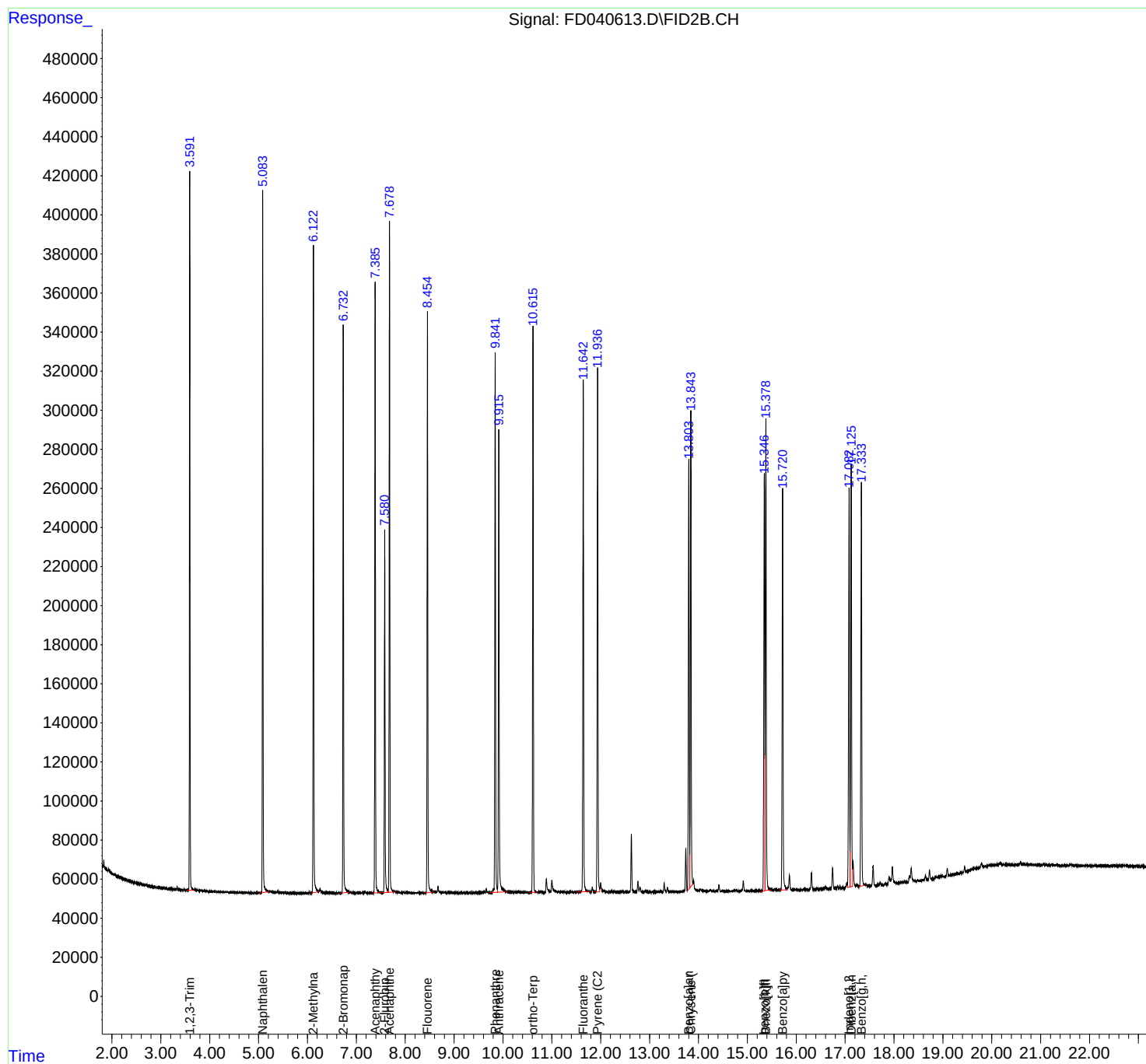
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 20 PPM AROMATIC HC STD

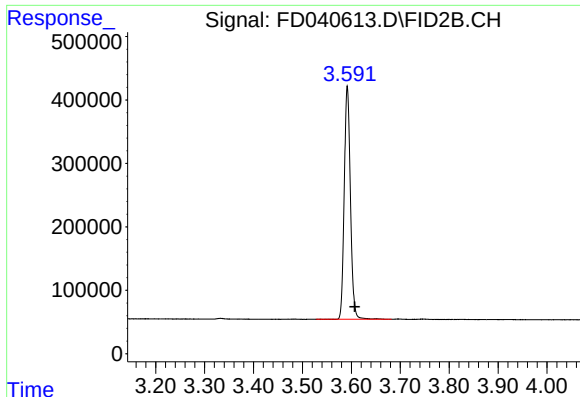
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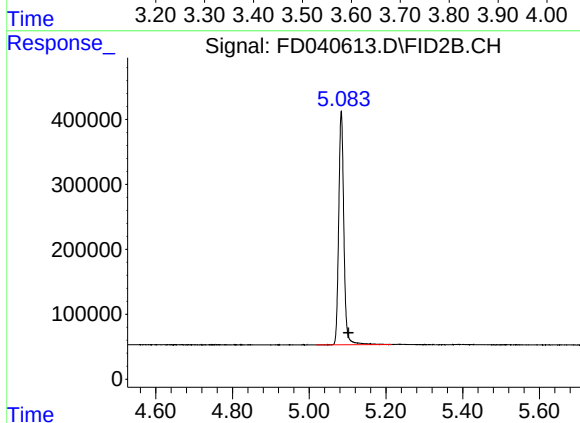
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 3.592 min
Delta R.T.: -0.015 min
Response: 3231478
Conc: 20.89 ug/ml

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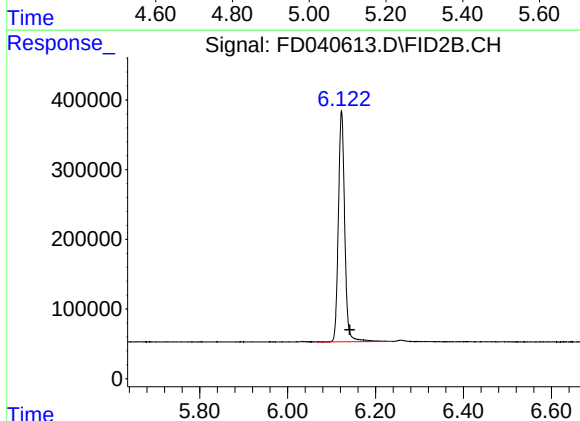
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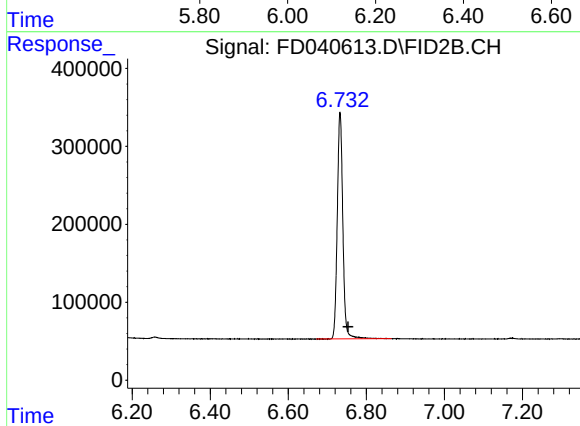
#2 Naphthalene (C11.7)

R.T.: 5.084 min
Delta R.T.: -0.018 min
Response: 3339439
Conc: 20.87 ug/ml



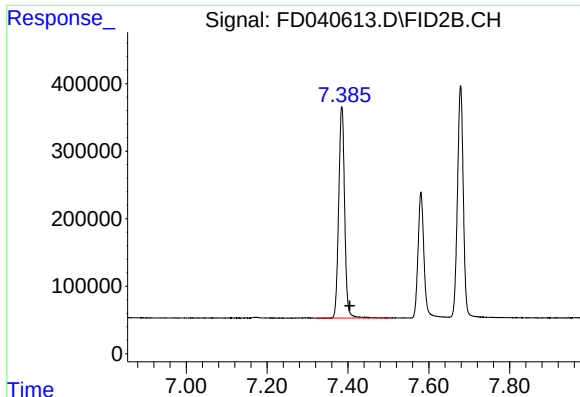
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.123 min
Delta R.T.: -0.019 min
Response: 3316657
Conc: 20.43 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 6.733 min
Delta R.T.: -0.020 min
Response: 2883753
Conc: 20.16 ug/ml



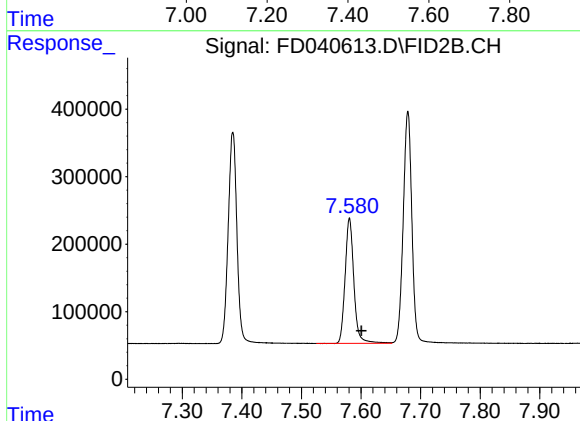
#5 Acenaphthylene (C15.06)

R.T.: 7.385 min
Delta R.T.: -0.019 min
Response: 3191536
Conc: 21.23 ug/ml

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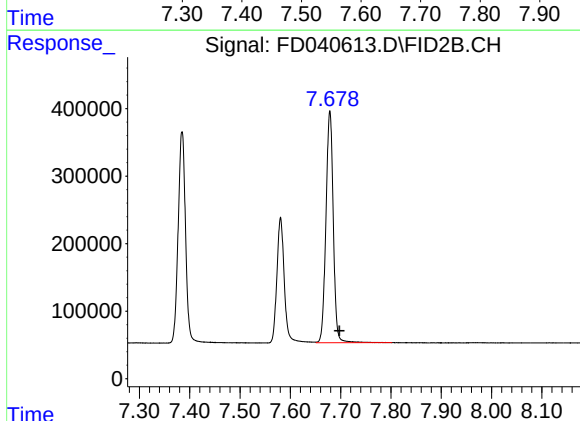
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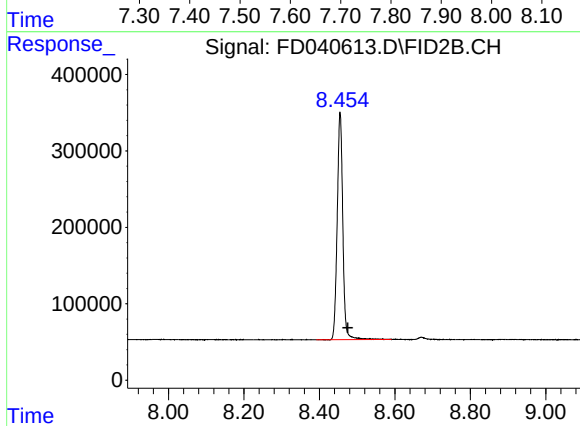
#6 2-Fluorobiphenyl (SURR)

R.T.: 7.581 min
Delta R.T.: -0.020 min
Response: 1896584
Conc: 19.92 ug/ml



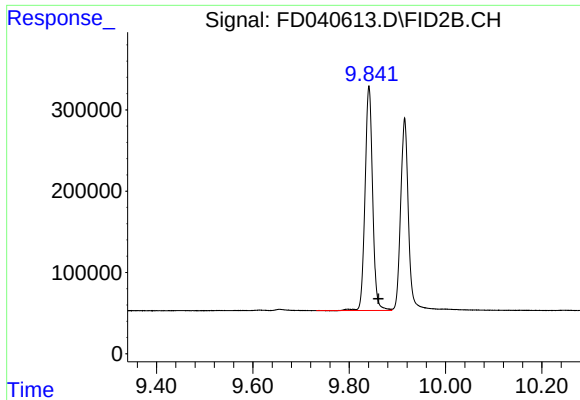
#7 Acenaphthene (C15.5)

R.T.: 7.679 min
Delta R.T.: -0.019 min
Response: 3469683
Conc: 21.53 ug/ml



#8 Flouorene (C16.55)

R.T.: 8.455 min
Delta R.T.: -0.020 min
Response: 3066449
Conc: 19.73 ug/ml



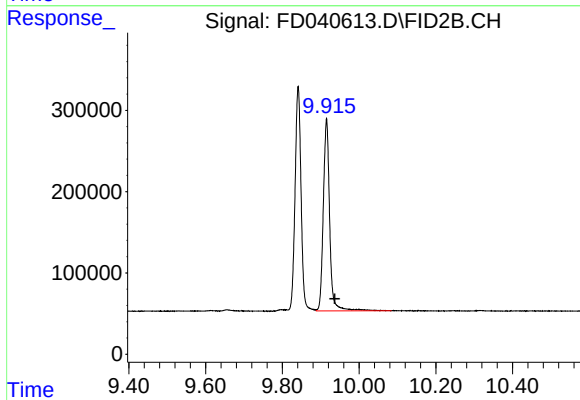
#9 Phenanthrene (C19.36)

R.T.: 9.841 min
Delta R.T.: -0.019 min
Response: 3009815
Conc: 19.56 ug/ml

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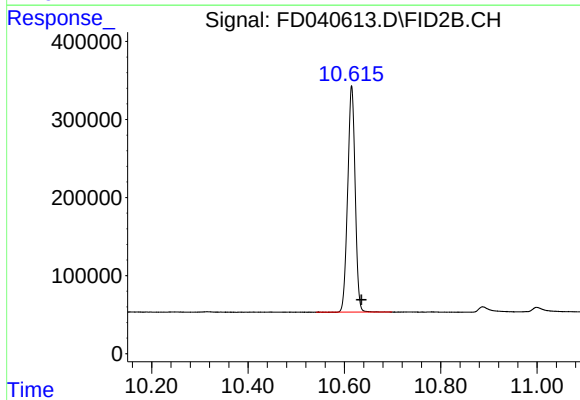
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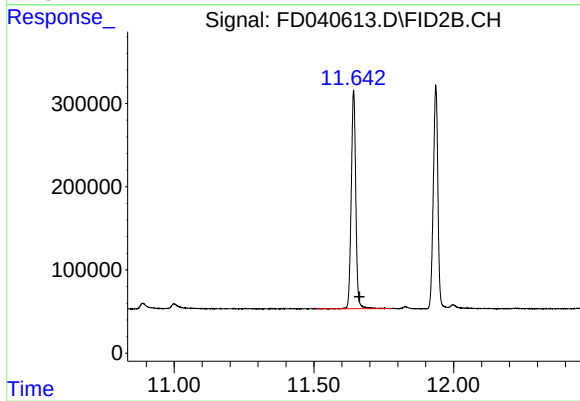
#10 Anthracene (C19.43)

R.T.: 9.915 min
Delta R.T.: -0.021 min
Response: 2711478
Conc: 18.56 ug/ml



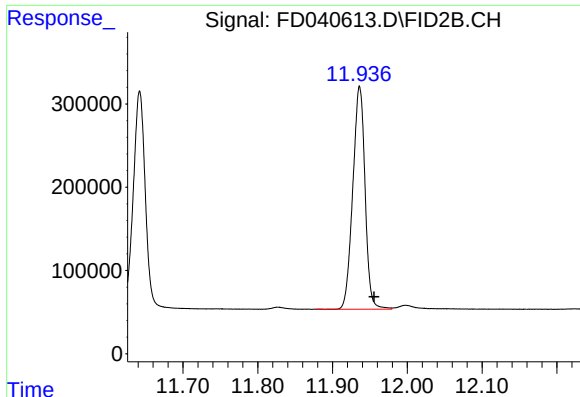
#11 ortho-Terphenyl (SURR)

R.T.: 10.615 min
Delta R.T.: -0.021 min
Response: 3139712
Conc: 20.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 11.642 min
Delta R.T.: -0.020 min
Response: 2960144
Conc: 19.06 ug/ml



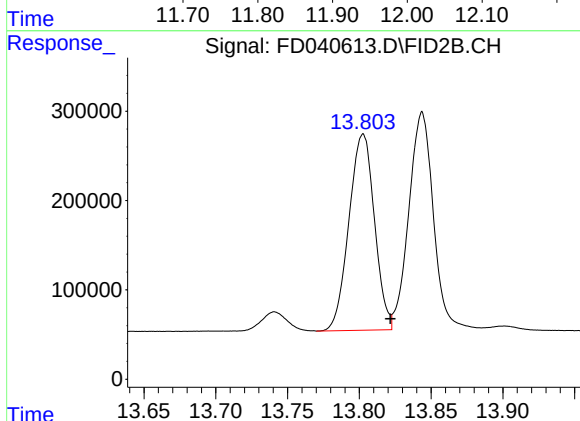
#13 Pyrene (C20.8)

R.T.: 11.936 min
Delta R.T.: -0.019 min
Response: 3051080
Conc: 20.21 ug/ml

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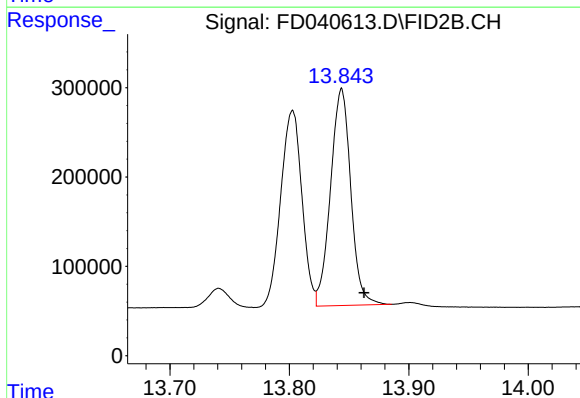
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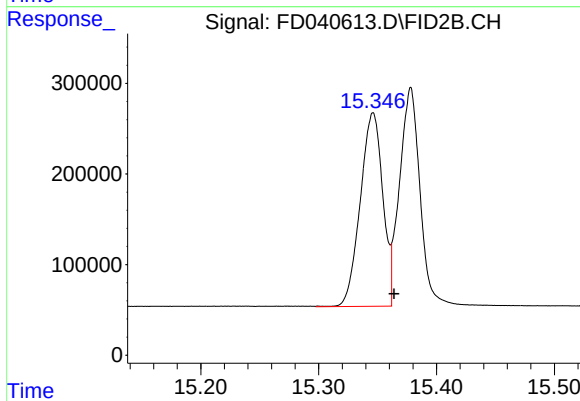
#14 Benzo[a]anthracene (C26.37)

R.T.: 13.802 min
Delta R.T.: -0.019 min
Response: 2718293
Conc: 20.49 ug/ml



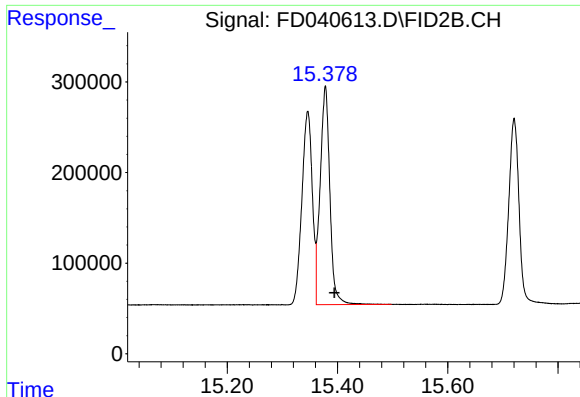
#15 Chrysene (C27.41)

R.T.: 13.844 min
Delta R.T.: -0.019 min
Response: 2864088
Conc: 19.59 ug/ml



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

R.T.: 15.346 min
Delta R.T.: -0.018 min
Response: 2844803
Conc: 20.82 ug/ml m



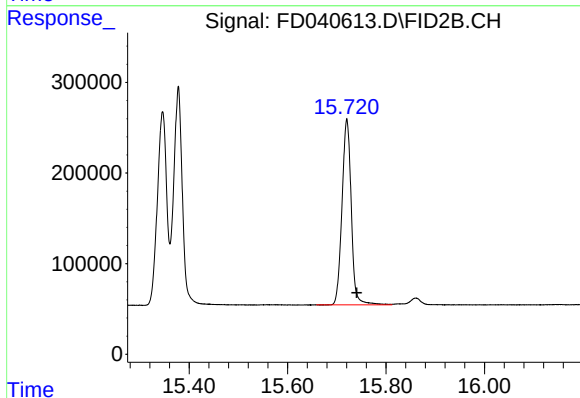
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.378 min
Delta R.T.: -0.017 min
Response: 2950289
Conc: 21.31 ug/ml

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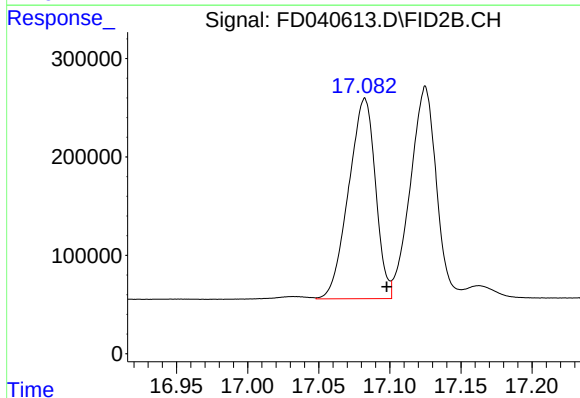
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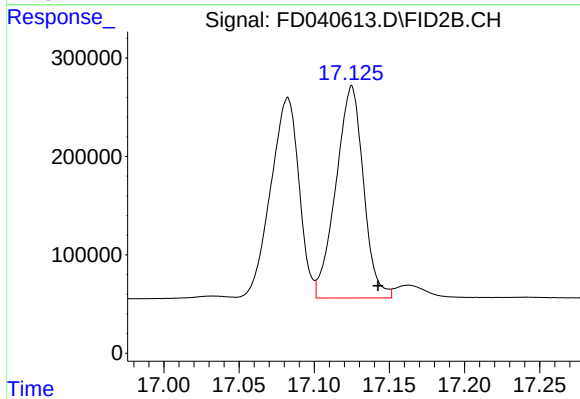
#18 Benzo[a]pyrene (C31.34)

R.T.: 15.720 min
Delta R.T.: -0.020 min
Response: 2677138
Conc: 20.54 ug/ml



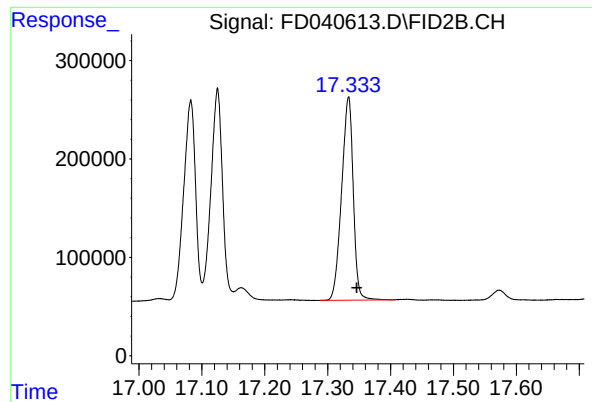
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.082 min
Delta R.T.: -0.016 min
Response: 2683486
Conc: 22.02 ug/ml



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

R.T.: 17.125 min
Delta R.T.: -0.018 min
Response: 2748569
Conc: 22.60 ug/ml



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

R.T.: 17.333 min
Delta R.T.: -0.013 min
Response: 2651851
Conc: 20.65 ug/ml

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