

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD072221AR\
 Data File : FD038336.D
 Signal(s) : FID2B.CH
 Acq On : 23 Jul 2021 14:53
 Operator : AJ\MA
 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

mohammad
 7/23/2021 4:39:30 PM

Integration File: autoint1.e
 Quant Time: Jul 23 15:23:25 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:27:43 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...	7.507	2662964	20.433 ug/ml
Spiked Amount 50.000		Recovery =	40.87%
6) S 2-Fluorobiphenyl (SURR)	8.369	1697439	19.182 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	38.36%
11) S ortho-Terphenyl (SURR)	11.404	2873664	18.962 ug/ml
Spiked Amount 50.000		Recovery =	37.92%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.313	3141009	22.175 ug/mlm
2) T Naphthalene (C11.7)	5.846	3112136	21.050 ug/ml
3) T 2-Methylnaphthalene (...)	6.897	3013940	20.536 ug/ml
5) T Acenaphthylene (C15.06)	8.170	2917939	19.561 ug/ml
7) T Acenaphthene (C15.5)	8.465	3011460	19.449 ug/ml
8) T Flouorene (C16.55)	9.246	2760330	18.830 ug/ml
9) T Phenanthrene (C19.36)	10.640	2582204	17.863 ug/ml
10) T Anthracene (C19.43)	10.715	2414689	17.068 ug/ml
12) T Fluoranthene (C21.85)	12.451	2519083	17.388 ug/ml
13) T Pyrene (C20.8)	12.748	2515134	17.651 ug/ml
14) T Benzo[a]anthracene (C...	14.620	2405862	18.843 ug/ml
15) T Chrysene (C27.41)	14.662	2564537	18.114 ug/ml
16) T benzo[b]fluoranthene ...	16.174	2554390	20.484 ug/ml
17) T Bnezo[k]fluoranthene ...	16.205	2557706	19.498 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.553	2394676	20.414 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.923	2405398	23.240 ug/ml
20) T Dibenz[a,h]anthracene...	17.957	2638280	22.383 ug/ml
21) T Benzo[g,h,i]perylene ...	18.178	2492562	22.836 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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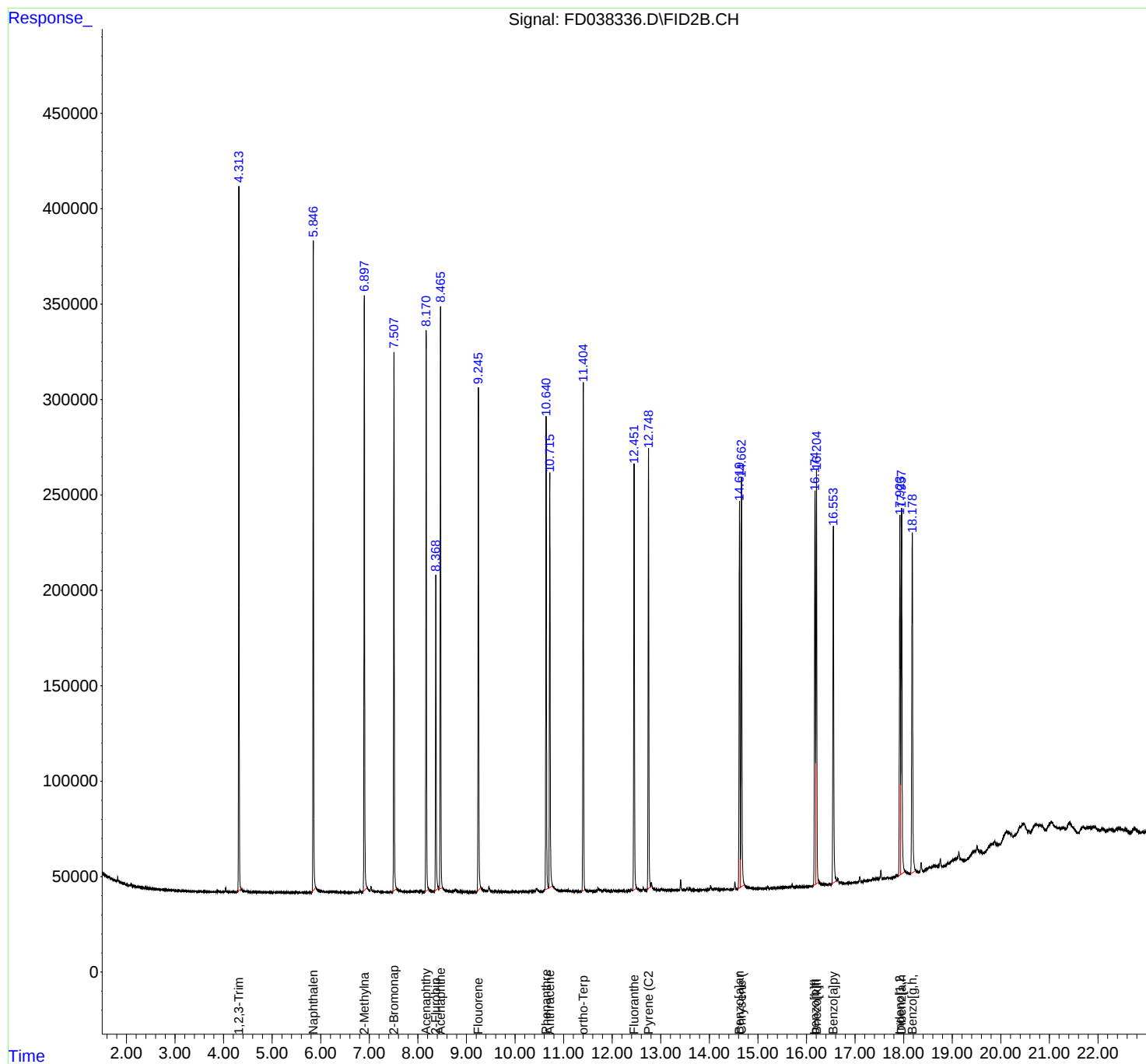
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20 PPM AROMATIC HC STD

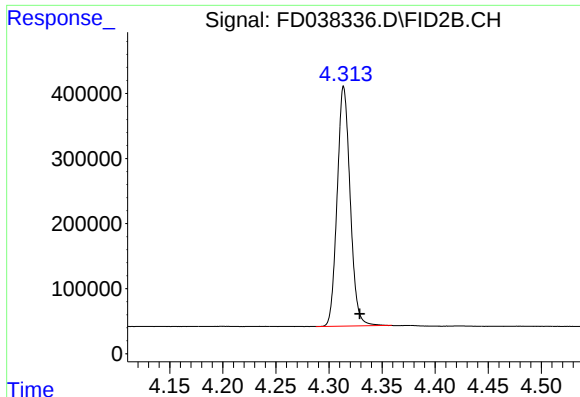
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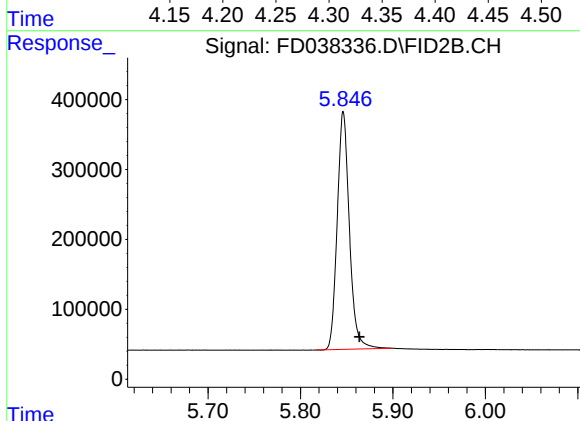
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.313 min
Delta R.T.: -0.016 min
Response: 3141009
Conc: 22.18 ug/ml m

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20 PPM AROMATIC HC STD

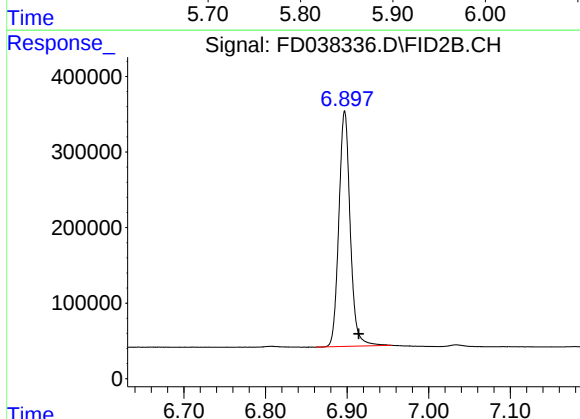
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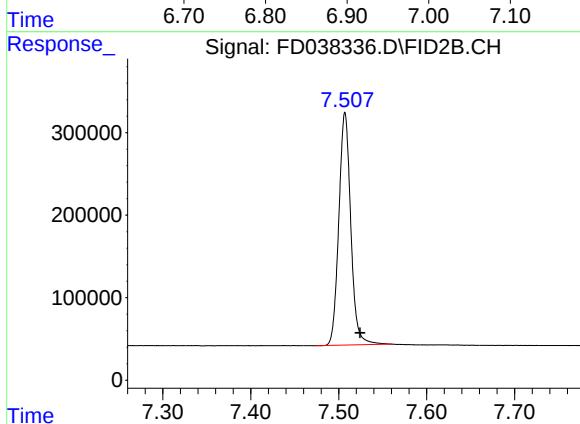
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: -0.017 min
Response: 3112136
Conc: 21.05 ug/ml



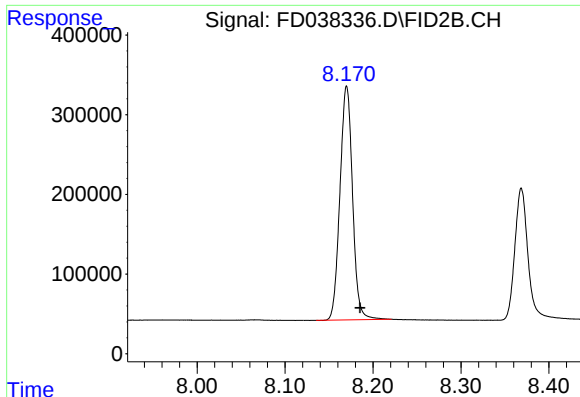
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.897 min
Delta R.T.: -0.017 min
Response: 3013940
Conc: 20.54 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.507 min
Delta R.T.: -0.017 min
Response: 2662964
Conc: 20.43 ug/ml



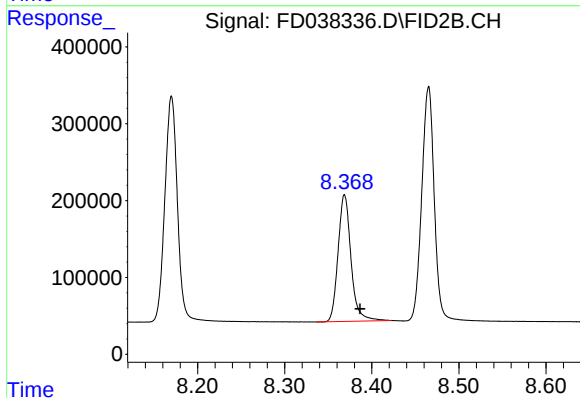
#5 Acenaphthylene (C15.06)

R.T.: 8.170 min
Delta R.T.: -0.015 min
Response: 2917939
Conc: 19.56 ug/ml

Instrument :
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20 PPM AROMATIC HC STD

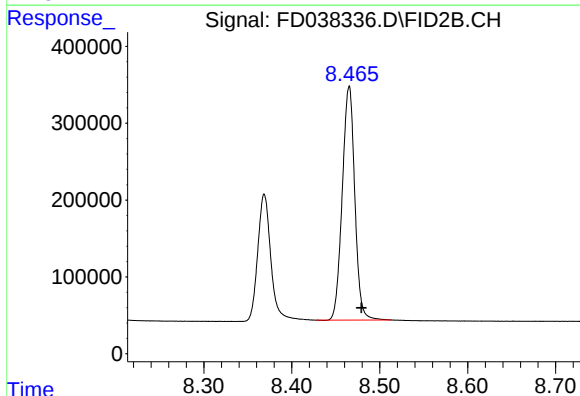
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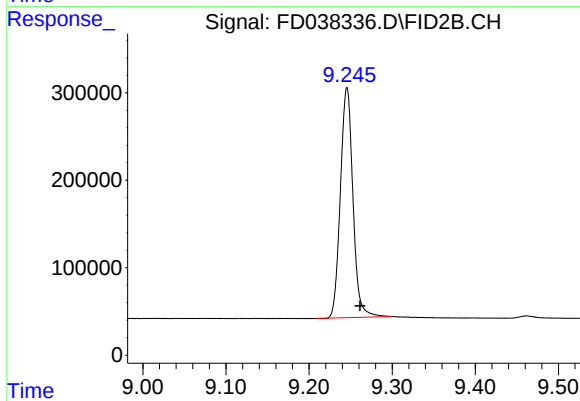
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.369 min
Delta R.T.: -0.018 min
Response: 1697439
Conc: 19.18 ug/ml



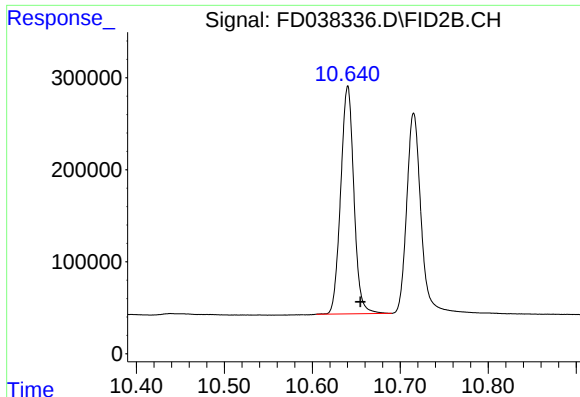
#7 Acenaphthene (C15.5)

R.T.: 8.465 min
Delta R.T.: -0.014 min
Response: 3011460
Conc: 19.45 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.246 min
Delta R.T.: -0.016 min
Response: 2760330
Conc: 18.83 ug/ml



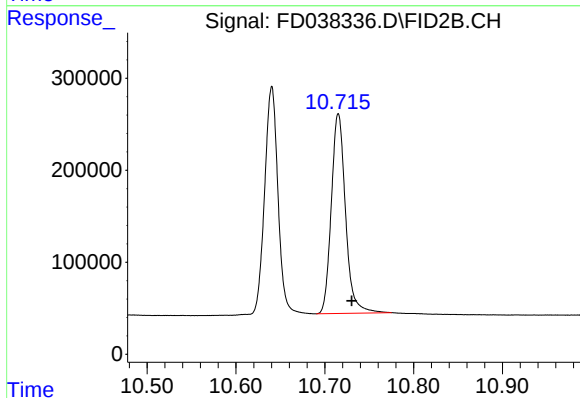
#9 Phenanthrene (C19.36)

R.T.: 10.640 min
Delta R.T.: -0.014 min
Response: 2582204
Conc: 17.86 ug/ml

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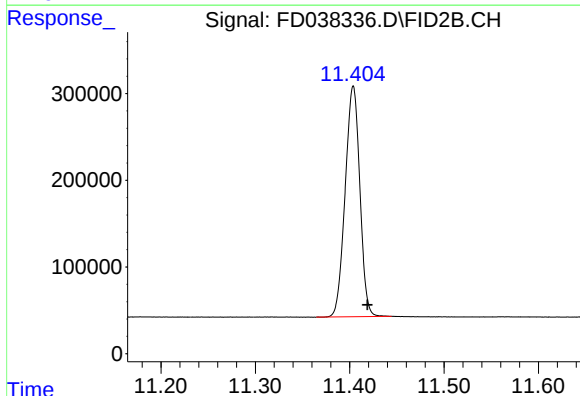
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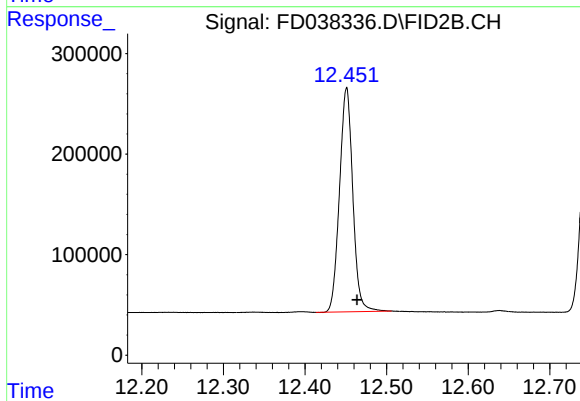
#10 Anthracene (C19.43)

R.T.: 10.715 min
Delta R.T.: -0.015 min
Response: 2414689
Conc: 17.07 ug/ml



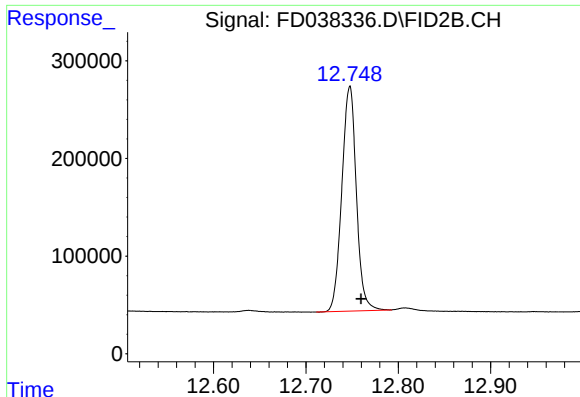
#11 ortho-Terphenyl (SURR)

R.T.: 11.404 min
Delta R.T.: -0.015 min
Response: 2873664
Conc: 18.96 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.451 min
Delta R.T.: -0.013 min
Response: 2519083
Conc: 17.39 ug/ml



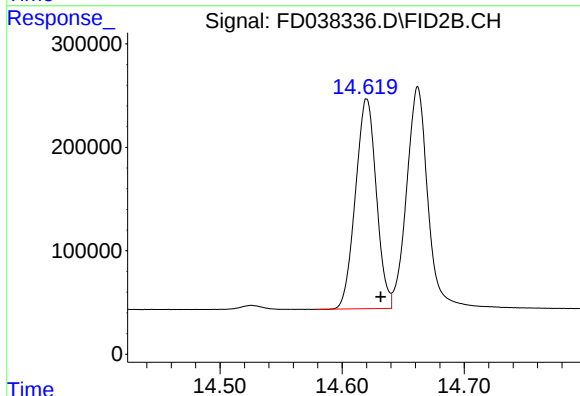
#13 Pyrene (C20.8)

R.T.: 12.748 min
Delta R.T.: -0.012 min
Response: 2515134
Conc: 17.65 ug/ml

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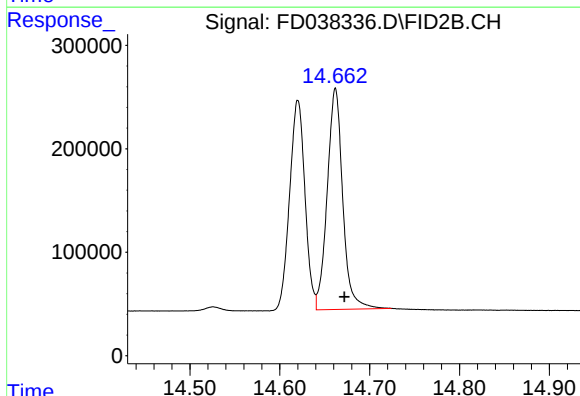
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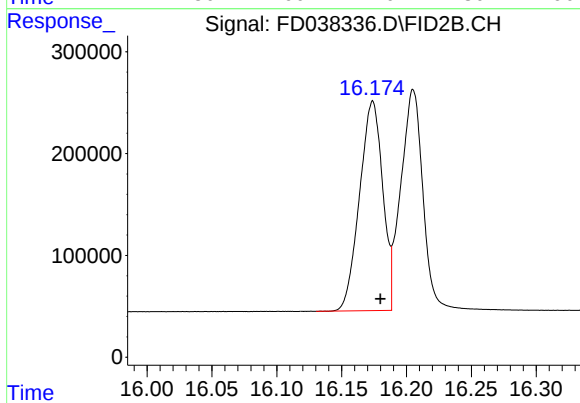
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.620 min
Delta R.T.: -0.011 min
Response: 2405862
Conc: 18.84 ug/ml



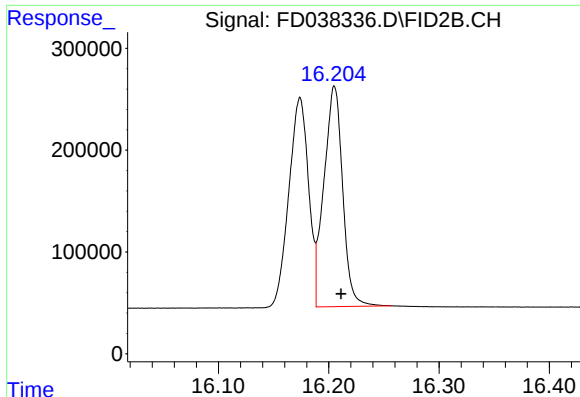
#15 Chrysene (C27.41)

R.T.: 14.662 min
Delta R.T.: -0.010 min
Response: 2564537
Conc: 18.11 ug/ml



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

R.T.: 16.174 min
Delta R.T.: -0.006 min
Response: 2554390
Conc: 20.48 ug/ml



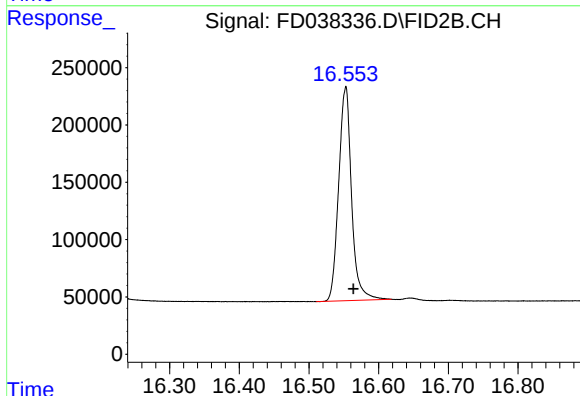
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.205 min
Delta R.T.: -0.006 min
Response: 2557706
Conc: 19.50 ug/ml

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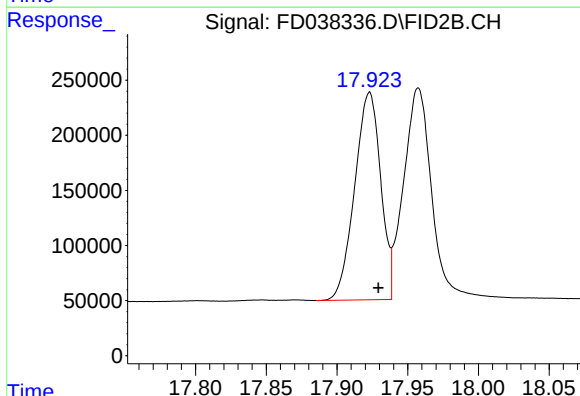
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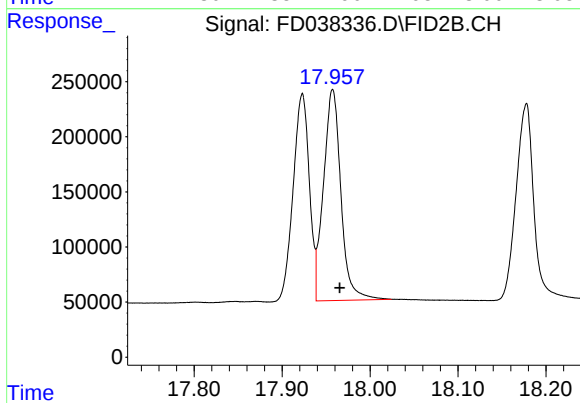
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.553 min
Delta R.T.: -0.011 min
Response: 2394676
Conc: 20.41 ug/ml



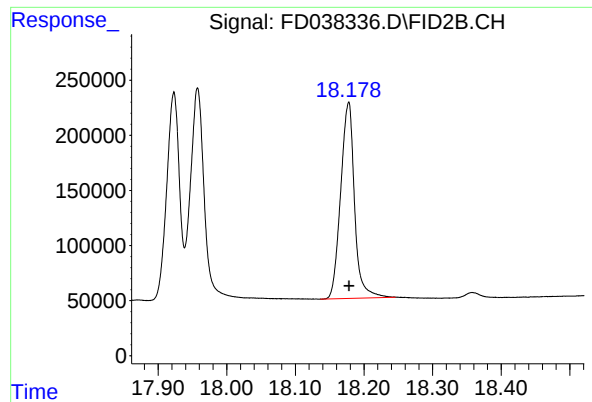
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.923 min
Delta R.T.: -0.006 min
Response: 2405398
Conc: 23.24 ug/ml



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

R.T.: 17.957 min
Delta R.T.: -0.008 min
Response: 2638280
Conc: 22.38 ug/ml



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

R.T.: 18.178 min
Delta R.T.: 0.000 min
Response: 2492562
Conc: 22.84 ug/ml

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