

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD042222AR\
 Data File : FD042058.D
 Signal(s) : FID2B.CH
 Acq On : 23 Apr 2022 2:59
 Operator : UA/NP
 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 04/25/2022
 Supervised By :mohammad ahmed 04/25/2022

Integration File: sample.E
 Quant Time: Apr 23 03:28:09 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 042122.M
 Quant Title : GC Extractables
 QLast Update : Thu Apr 21 17:32:22 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...	7.332	2732062	19.491 ug/ml
Spiked Amount 50.000		Recovery =	38.98%
6) S 2-Fluorobiphenyl (SURR)	8.186	1457164	20.451 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.90%
11) S ortho-Terphenyl (SURR)	11.205	3293151	18.999 ug/ml
Spiked Amount 50.000		Recovery =	38.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.154	3042450	19.543 ug/ml
2) T Naphthalene (C11.7)	5.676	3059639	19.396 ug/ml
3) T 2-Methylnaphthalene (...)	6.721	2891906	19.999 ug/ml
5) T Acenaphthylene (C15.06)	7.981	3092592	18.765 ug/ml
7) T Acenaphthene (C15.5)	8.273	3538858	18.849 ug/ml
8) T Flouorene (C16.55)	9.054	2894144	19.001 ug/ml
9) T Phenanthrene (C19.36)	10.439	2875167	19.363 ug/ml
10) T Anthracene (C19.43)	10.517	3124511	18.664 ug/ml
12) T Fluoranthene (C21.85)	12.240	3000103	19.126 ug/ml
13) T Pyrene (C20.8)	12.531	3101224	19.014 ug/ml
14) T Benzo[a]anthracene (C...	14.402	2397856	20.046 ug/ml
15) T Chrysene (C27.41)	14.442	3353365	18.278 ug/ml
16) T benzo[b]fluoranthene ...	15.946	2646354	20.155 ug/mlm
17) T Bnezo[k]fluoranthene ...	15.978	3143031	18.180 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.328	2612380	17.706 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.690	1975792	19.795 ug/mlm
20) T Dibenz[a,h]anthracene...	17.731	3125053	19.910 ug/ml
21) T Benzo[g,h,i]perylene ...	17.939	2719422	19.636 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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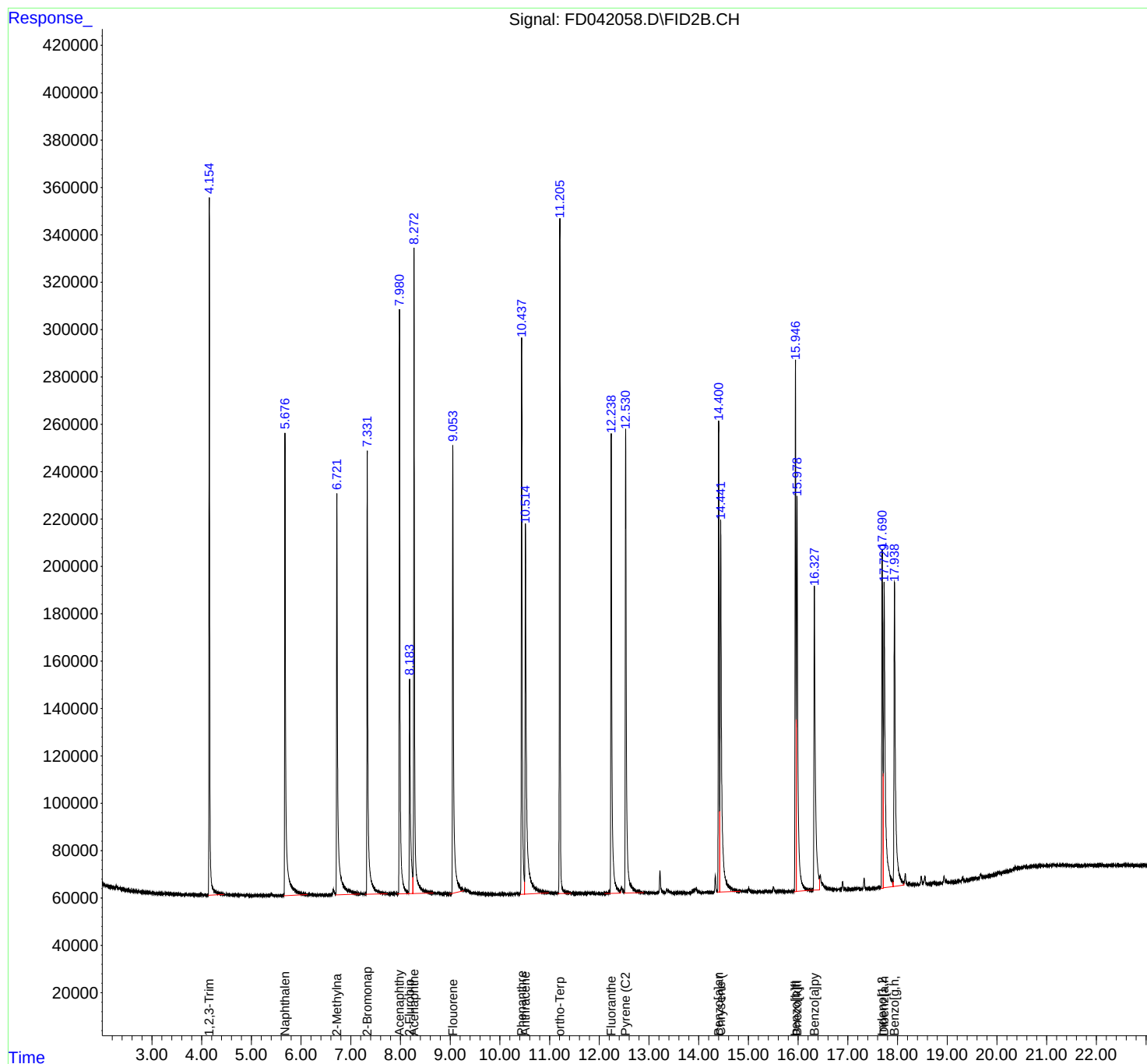
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20 PPM AROMATIC HC STD

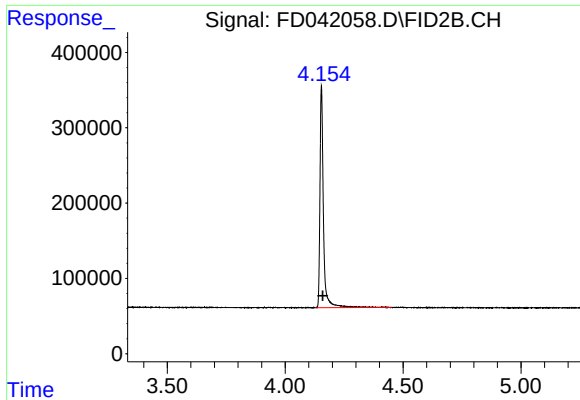
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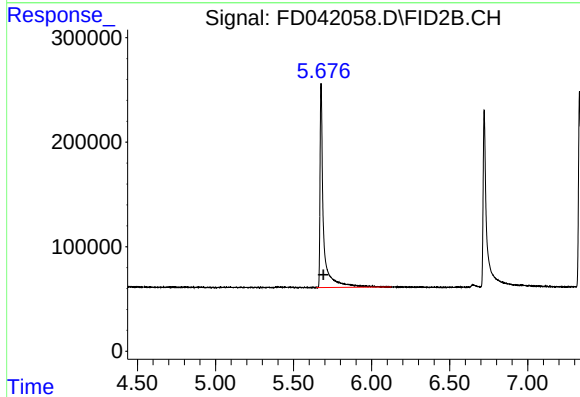
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.154 min
Delta R.T.: -0.006 min
Response: 3042450
Conc: 19.54 ug/ml

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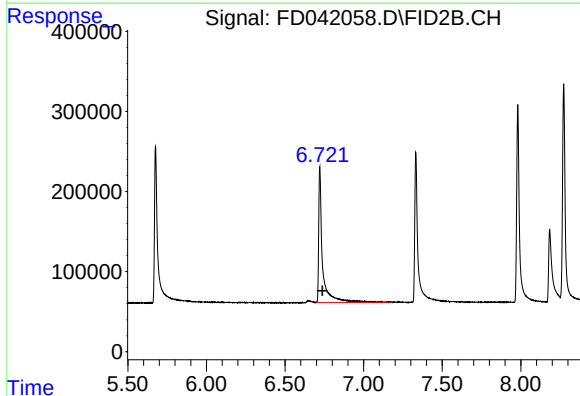
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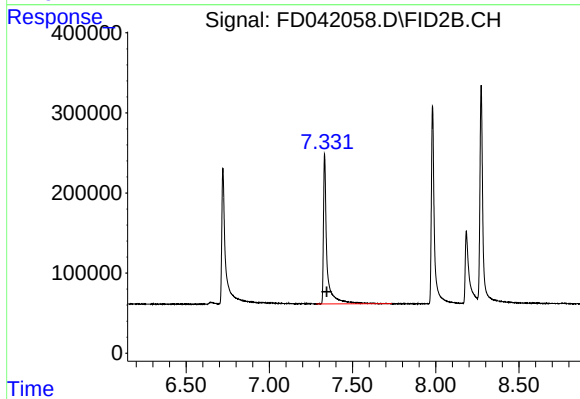
#2 Naphthalene (C11.7)

R.T.: 5.676 min
Delta R.T.: -0.014 min
Response: 3059639
Conc: 19.40 ug/ml



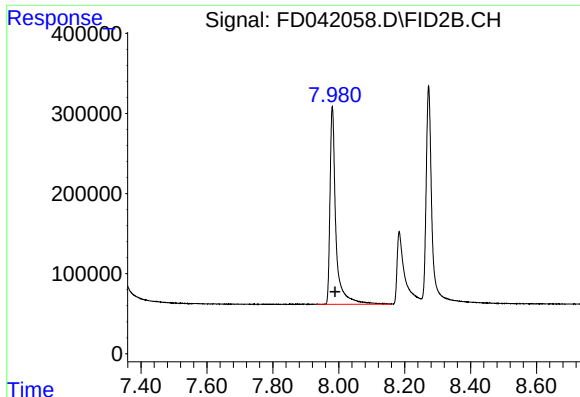
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.721 min
Delta R.T.: -0.016 min
Response: 2891906
Conc: 20.00 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.332 min
Delta R.T.: -0.013 min
Response: 2732062
Conc: 19.49 ug/ml



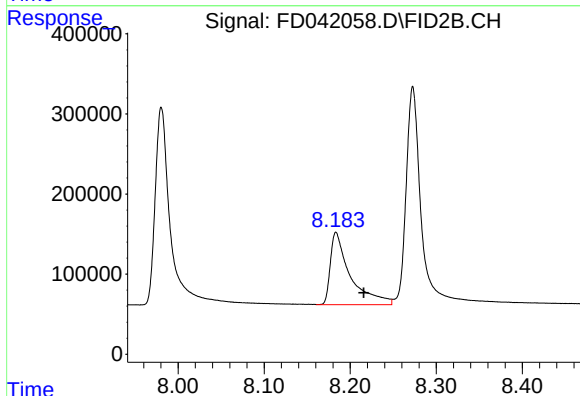
#5 Acenaphthylene (C15.06)

R.T.: 7.981 min
Delta R.T.: -0.009 min
Response: 3092592
Conc: 18.77 ug/ml

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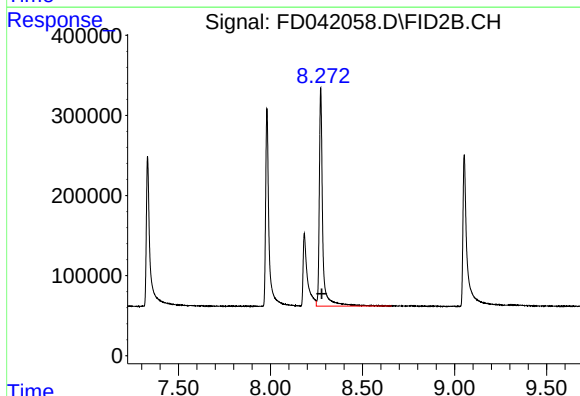
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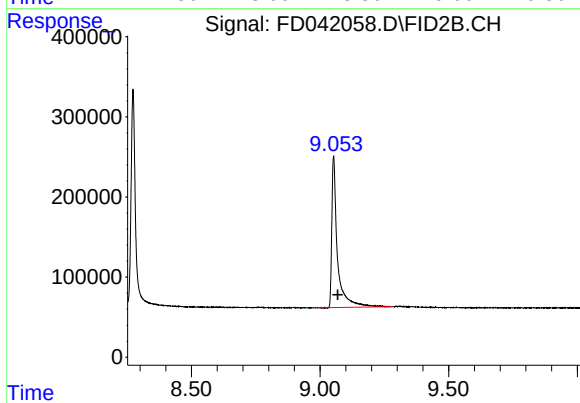
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.186 min
Delta R.T.: -0.030 min
Response: 1457164
Conc: 20.45 ug/ml



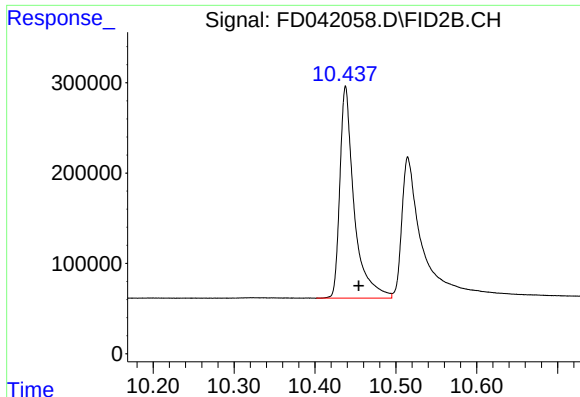
#7 Acenaphthene (C15.5)

R.T.: 8.273 min
Delta R.T.: -0.005 min
Response: 3538858
Conc: 18.85 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.054 min
Delta R.T.: -0.016 min
Response: 2894144
Conc: 19.00 ug/ml



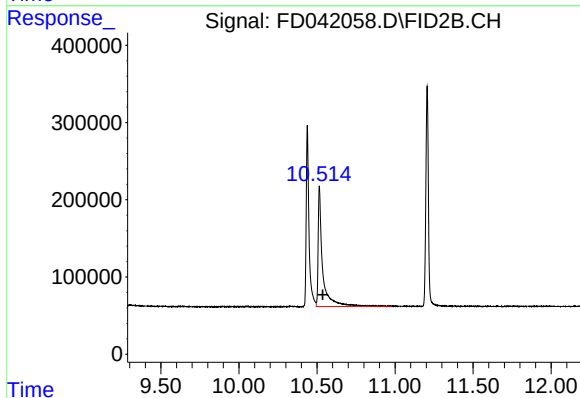
#9 Phenanthrene (C19.36)

R.T.: 10.439 min
Delta R.T.: -0.015 min
Response: 2875167
Conc: 19.36 ug/ml

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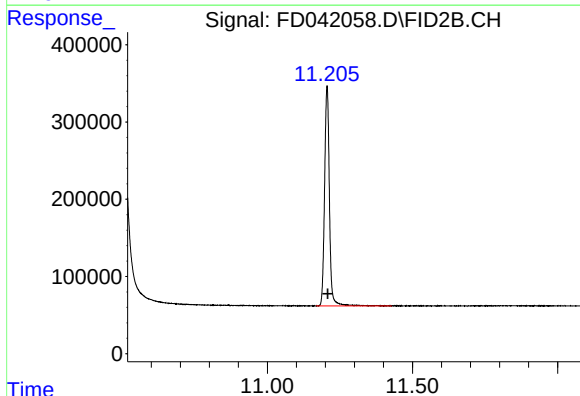
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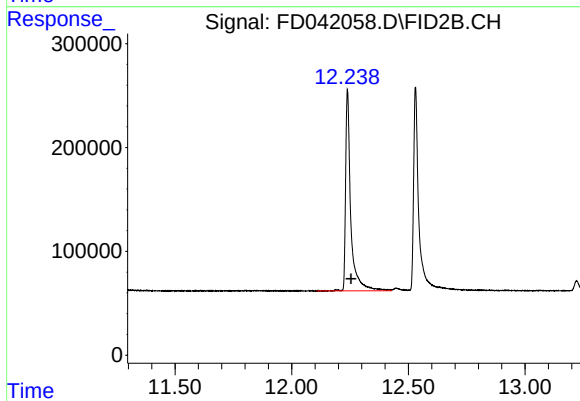
#10 Anthracene (C19.43)

R.T.: 10.517 min
Delta R.T.: -0.020 min
Response: 3124511
Conc: 18.66 ug/ml



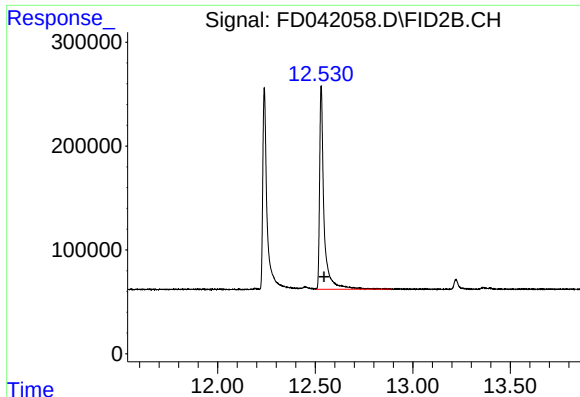
#11 ortho-Terphenyl (SURR)

R.T.: 11.205 min
Delta R.T.: -0.003 min
Response: 3293151
Conc: 19.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.240 min
Delta R.T.: -0.015 min
Response: 3000103
Conc: 19.13 ug/ml



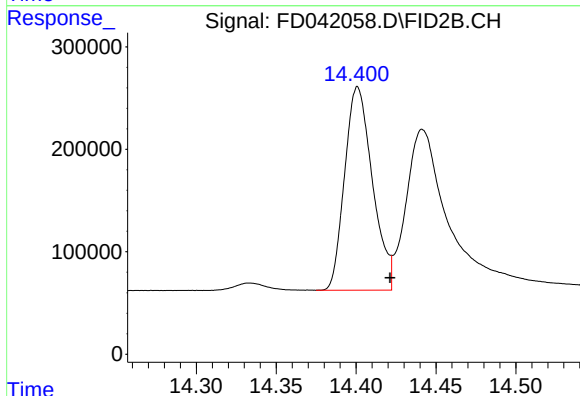
#13 Pyrene (C20.8)

R.T.: 12.531 min
Delta R.T.: -0.013 min
Response: 3101224
Conc: 19.01 ug/ml

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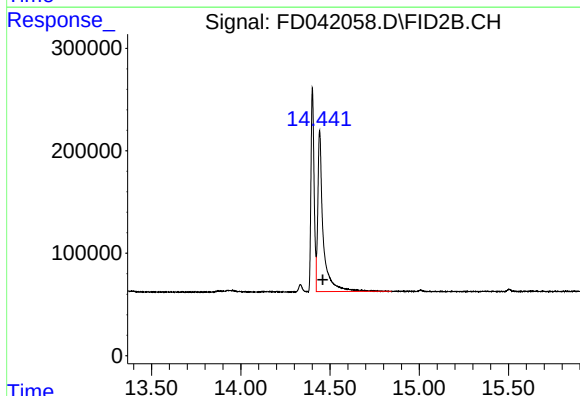
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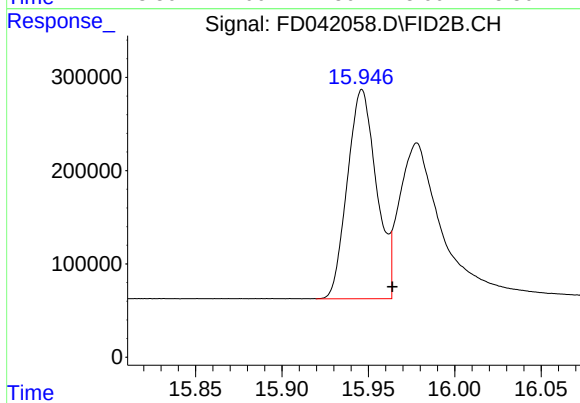
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.402 min
Delta R.T.: -0.020 min
Response: 2397856
Conc: 20.05 ug/ml



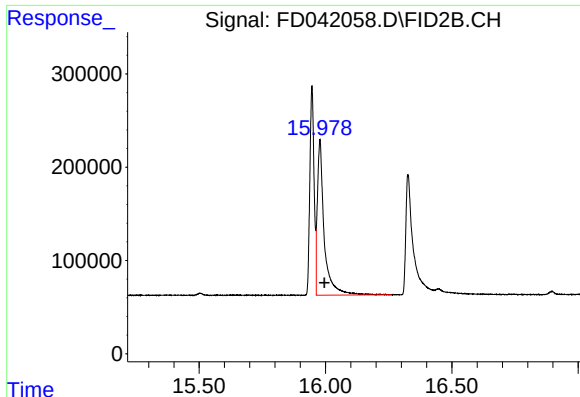
#15 Chrysene (C27.41)

R.T.: 14.442 min
Delta R.T.: -0.018 min
Response: 3353365
Conc: 18.28 ug/ml



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

R.T.: 15.946 min
Delta R.T.: -0.018 min
Response: 2646354
Conc: 20.16 ug/ml m



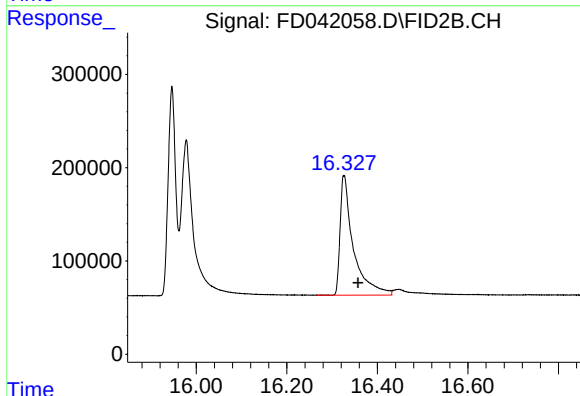
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 15.978 min
Delta R.T.: -0.017 min
Response: 3143031
Conc: 18.18 ug/ml

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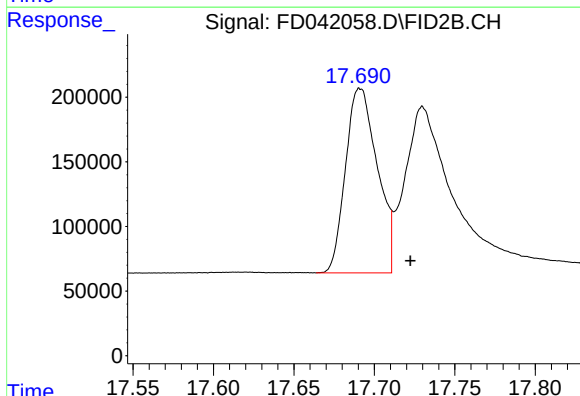
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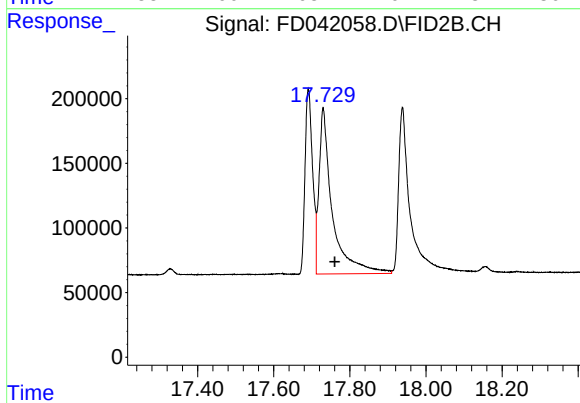
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.328 min
Delta R.T.: -0.030 min
Response: 2612380
Conc: 17.71 ug/ml



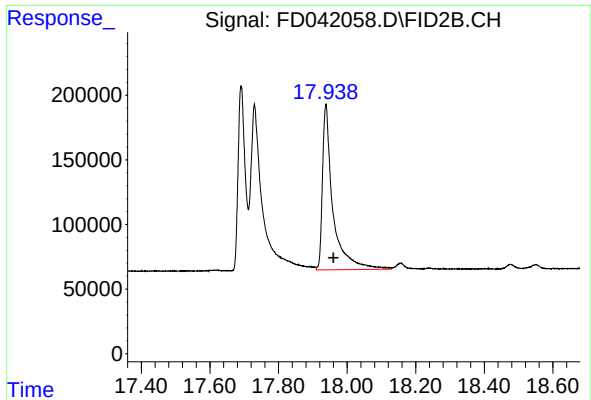
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.690 min
Delta R.T.: -0.032 min
Response: 1975792
Conc: 19.80 ug/ml m



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

R.T.: 17.731 min
Delta R.T.: -0.030 min
Response: 3125053
Conc: 19.91 ug/ml



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

R.T.: 17.939 min
Delta R.T.: -0.021 min
Response: 2719422
Conc: 19.64 ug/ml

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