

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092822AR\
 Data File : FD044001.D
 Signal(s) : FID2B.ch
 Acq On : 29 Sep 2022 04:33
 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 09/29/2022
 Supervised By :Ankita Jodhani 09/29/2022

Integration File: autoint1.e
 Quant Time: Sep 29 05:18:24 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091522.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 14 19:37:45 2022
 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...	7.421	2806043	21.326 ug/ml
Spiked Amount 50.000		Recovery =	42.65%
6) S 2-Fluorobiphenyl (SURR)	8.276	1720130	23.845 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.69%
11) S ortho-Terphenyl (SURR)	11.305	3706176	19.894 ug/ml
Spiked Amount 50.000		Recovery =	39.79%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.232	3140683	20.898 ug/mlm
2) T Naphthalene (C11.7)	5.762	3123974	21.939 ug/mlm
3) T 2-Methylnaphthalene (...)	6.808	3209388	21.938 ug/ml
5) T Acenaphthylene (C15.06)	8.076	2977122	19.294 ug/mlm
7) T Acenaphthene (C15.5)	8.368	3426171	19.578 ug/ml
8) T Flouorene (C16.55)	9.148	3107296	21.141 ug/mlm
9) T Phenanthrene (C19.36)	10.540	2965591	20.493 ug/ml
10) T Anthracene (C19.43)	10.615	2606641	17.762 ug/ml
12) T Fluoranthene (C21.85)	12.344	2933730	19.128 ug/ml
13) T Pyrene (C20.8)	12.638	2745004	18.453 ug/ml
14) T Benzo[a]anthracene (C...	14.505	2310370	20.667 ug/ml
15) T Chrysene (C27.41)	14.547	2868306	18.353 ug/ml
16) T benzo[b]fluoranthene ...	16.051	2449601	21.005 ug/ml
17) T Bnezo[k]fluoranthene ...	16.082	2751952	18.536 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.430	2355640	19.448 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.793	2303035	24.222 ug/ml
20) T Dibenz[a,h]anthracene...	17.828	2732306	22.744 ug/ml
21) T Benzo[g,h,i]perylene ...	18.042	2548422	22.363 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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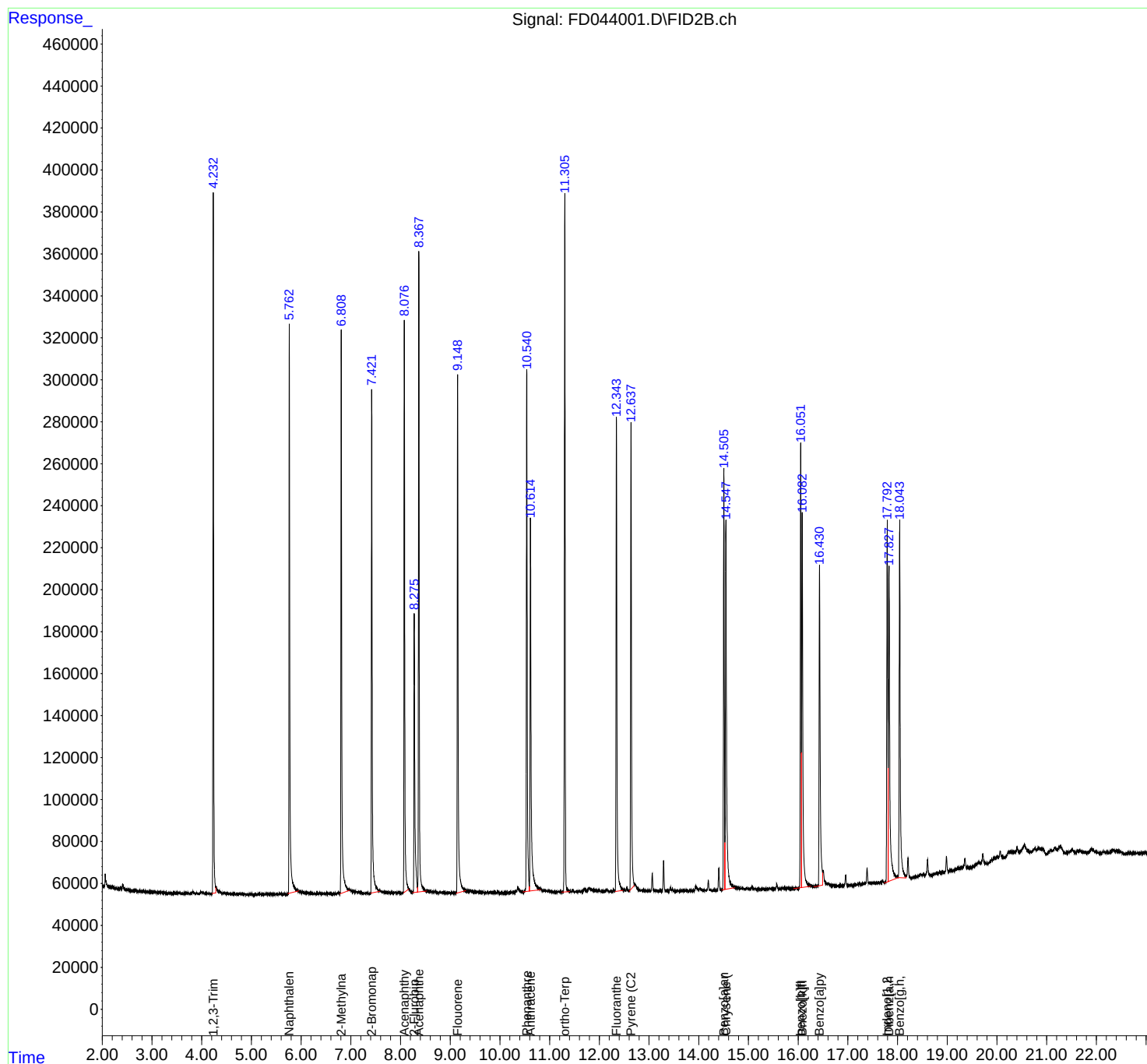
Instrument :
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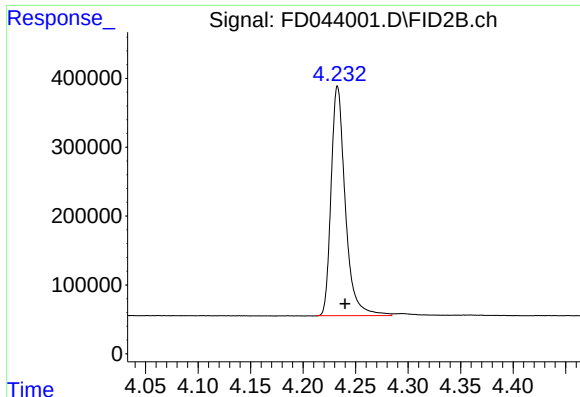
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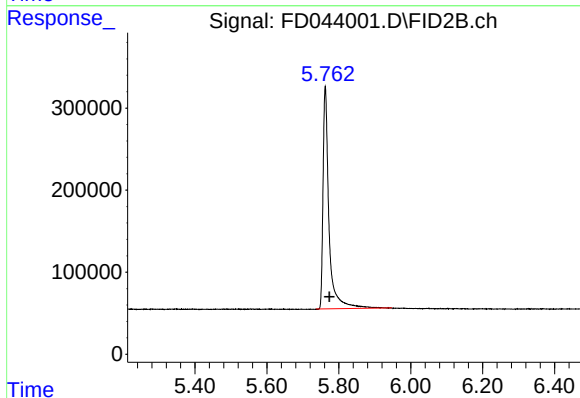
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.232 min
Delta R.T.: -0.008 min
Response: 3140683
Conc: 20.90 ug/ml

Instrument :
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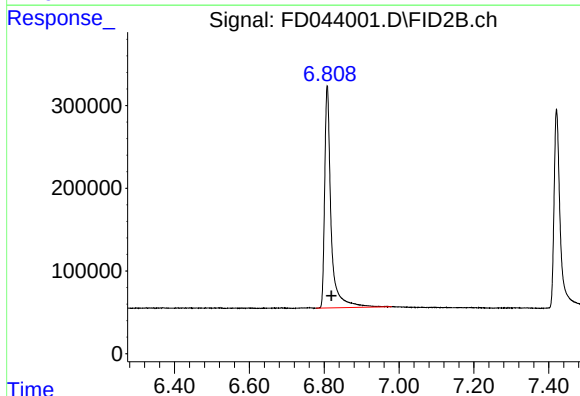
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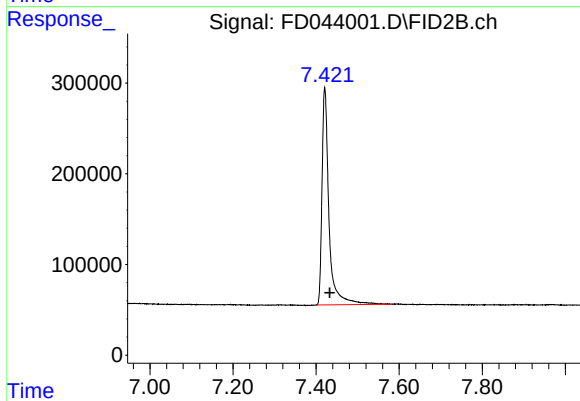
#2 Naphthalene (C11.7)

R.T.: 5.762 min
Delta R.T.: -0.012 min
Response: 3123974
Conc: 21.94 ug/ml m



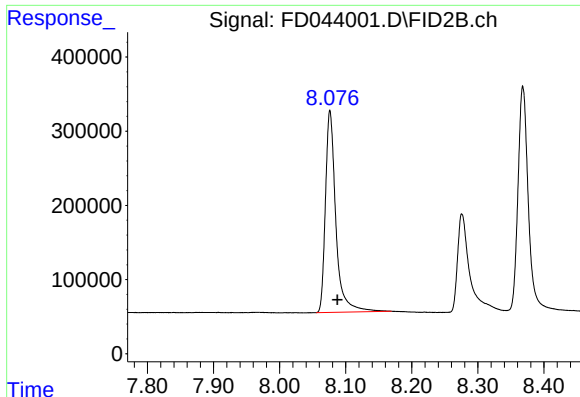
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.808 min
Delta R.T.: -0.011 min
Response: 3209388
Conc: 21.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.421 min
Delta R.T.: -0.011 min
Response: 2806043
Conc: 21.33 ug/ml



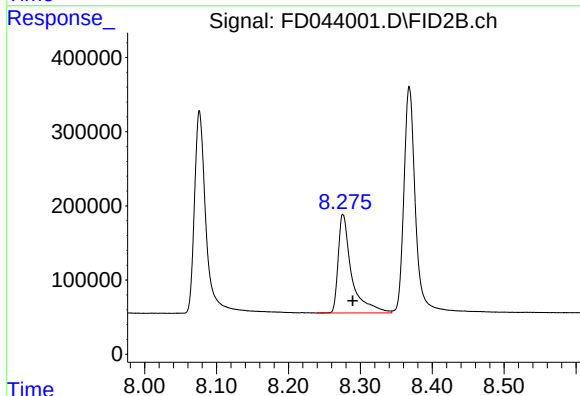
#5 Acenaphthylene (C15.06)

R.T.: 8.076 min
Delta R.T.: -0.012 min
Response: 2977122
Conc: 19.29 ug/ml

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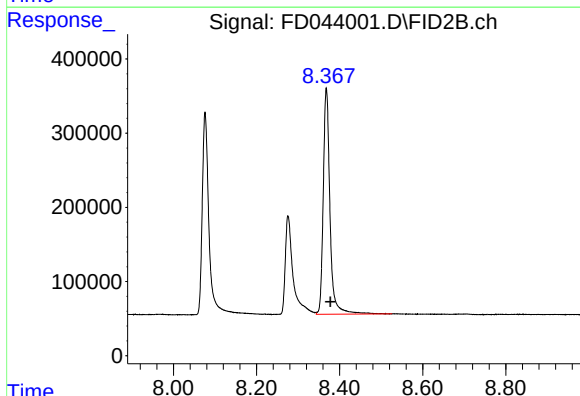
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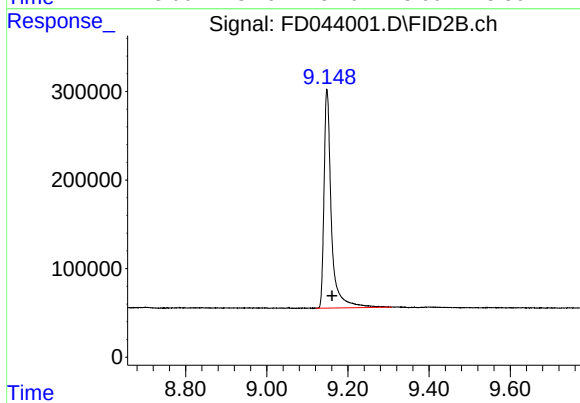
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.276 min
Delta R.T.: -0.013 min
Response: 1720130
Conc: 23.84 ug/ml



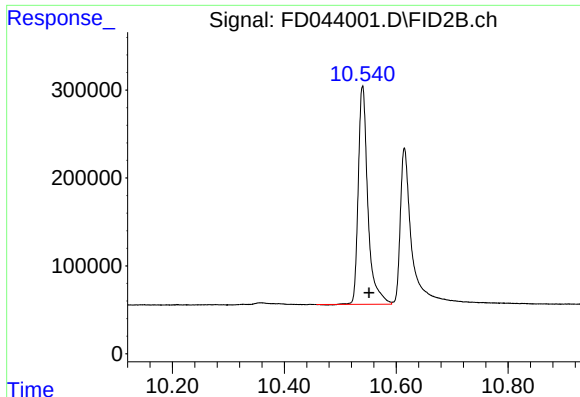
#7 Acenaphthene (C15.5)

R.T.: 8.368 min
Delta R.T.: -0.010 min
Response: 3426171
Conc: 19.58 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.148 min
Delta R.T.: -0.013 min
Response: 3107296
Conc: 21.14 ug/ml m



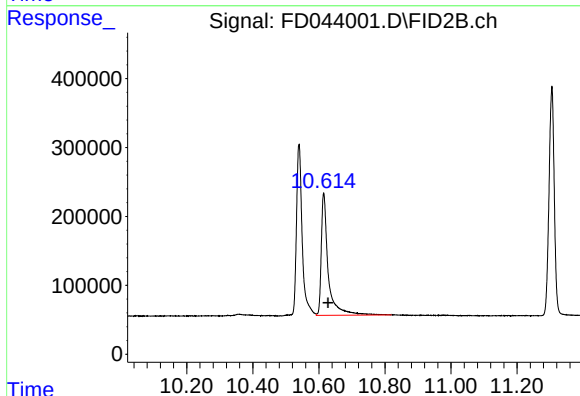
#9 Phenanthrene (C19.36)

R.T.: 10.540 min
Delta R.T.: -0.011 min
Response: 2965591
Conc: 20.49 ug/ml

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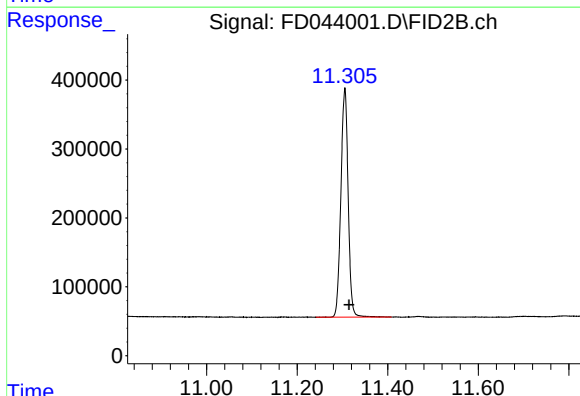
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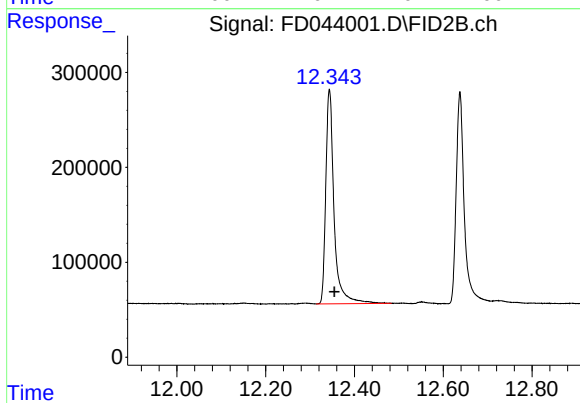
#10 Anthracene (C19.43)

R.T.: 10.615 min
Delta R.T.: -0.013 min
Response: 2606641
Conc: 17.76 ug/ml



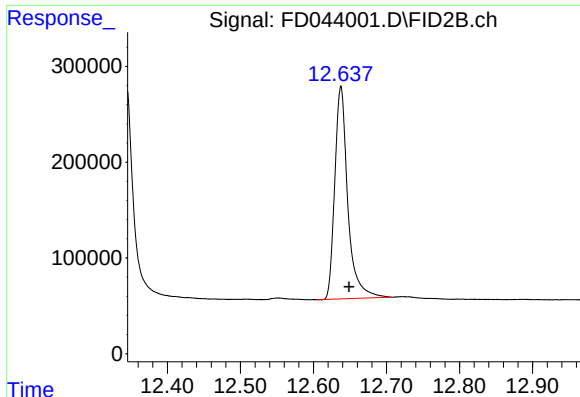
#11 ortho-Terphenyl (SURR)

R.T.: 11.305 min
Delta R.T.: -0.010 min
Response: 3706176
Conc: 19.89 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.344 min
Delta R.T.: -0.011 min
Response: 2933730
Conc: 19.13 ug/ml



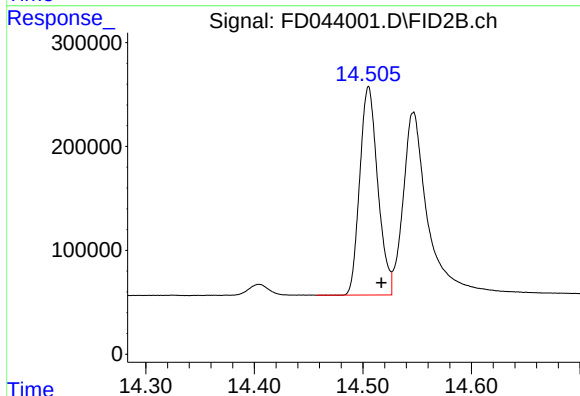
#13 Pyrene (C20.8)

R.T.: 12.638 min
Delta R.T.: -0.011 min
Response: 2745004
Conc: 18.45 ug/ml

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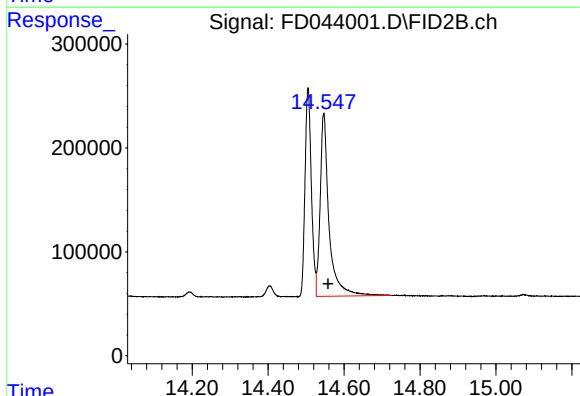
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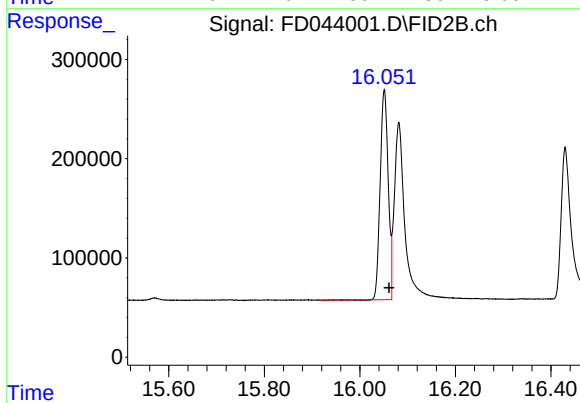
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.505 min
Delta R.T.: -0.012 min
Response: 2310370
Conc: 20.67 ug/ml



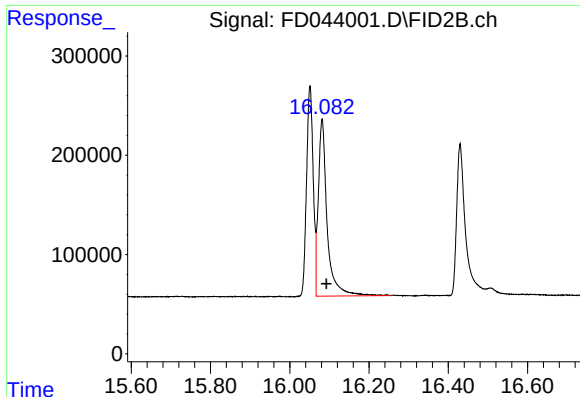
#15 Chrysene (C27.41)

R.T.: 14.547 min
Delta R.T.: -0.012 min
Response: 2868306
Conc: 18.35 ug/ml



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

R.T.: 16.051 min
Delta R.T.: -0.010 min
Response: 2449601
Conc: 21.01 ug/ml



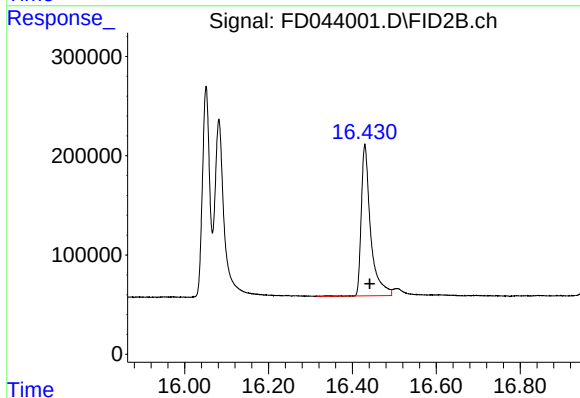
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.082 min
Delta R.T.: -0.011 min
Response: 2751952
Conc: 18.54 ug/ml

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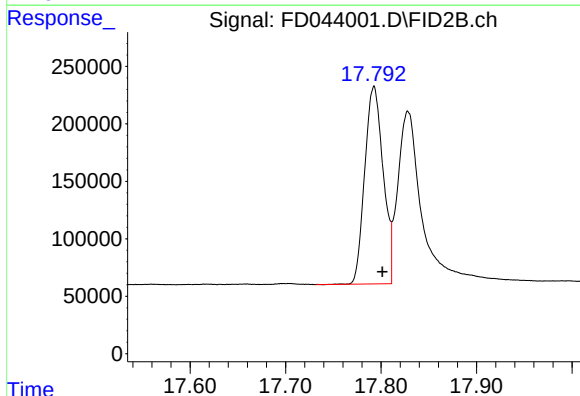
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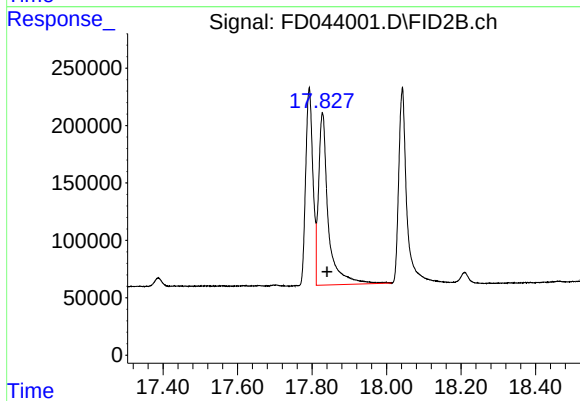
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.430 min
Delta R.T.: -0.012 min
Response: 2355640
Conc: 19.45 ug/ml



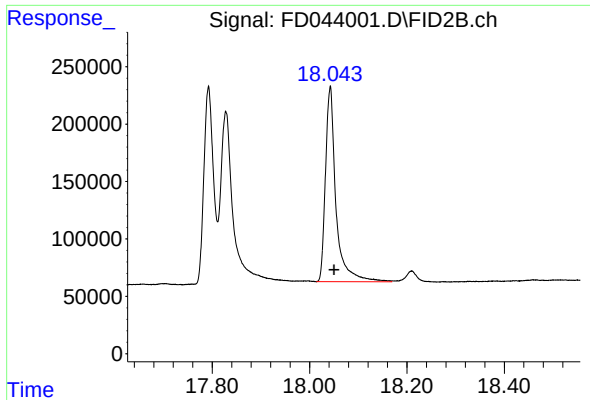
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.793 min
Delta R.T.: -0.009 min
Response: 2303035
Conc: 24.22 ug/ml



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

R.T.: 17.828 min
Delta R.T.: -0.013 min
Response: 2732306
Conc: 22.74 ug/ml



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

R.T.: 18.042 min
Delta R.T.: -0.008 min
Response: 2548422
Conc: 22.36 ug/ml

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