

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD103122AR\
 Data File : FD044357.D
 Signal(s) : FID2B.ch
 Acq On : 31 Oct 2022 09:22
 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 11/01/2022
 Supervised By :Ankita Jodhani 11/01/2022

Integration File: autoint1.e
 Quant Time: Oct 31 13:46:10 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 101322.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 14 01:33:37 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...	7.414	2595892	20.908 ug/ml
Spiked Amount 50.000		Recovery =	41.82%
6) S 2-Fluorobiphenyl (SURR)	8.275	1373325	18.238 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	36.48%
11) S ortho-Terphenyl (SURR)	11.292	3618610	21.379 ug/ml
Spiked Amount 50.000		Recovery =	42.76%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.221	3057374	21.661 ug/ml
2) T Naphthalene (C11.7)	5.755	2935407	21.412 ug/ml
3) T 2-Methylnaphthalene (...)	6.801	2982974	21.042 ug/ml
5) T Acenaphthylene (C15.06)	8.068	2867094	20.438 ug/ml
7) T Acenaphthene (C15.5)	8.358	3464081	22.276 ug/ml
8) T Flouorene (C16.55)	9.141	2825631	20.085 ug/ml
9) T Phenanthrene (C19.36)	10.533	2701591	20.061 ug/ml
10) T Anthracene (C19.43)	10.614	2158084	16.061 ug/ml
12) T Fluoranthene (C21.85)	12.338	2801291	20.976 ug/ml
13) T Pyrene (C20.8)	12.632	2436723	19.291 ug/ml
14) T Benzo[a]anthracene (C...	14.504	2116382	19.925 ug/ml
15) T Chrysene (C27.41)	14.545	2959176	22.574 ug/ml
16) T benzo[b]fluoranthene ...	16.049	2390327	21.299 ug/ml
17) T Bnezo[k]fluoranthene ...	16.082	2817353	22.144 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.435	2468829	21.246 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	17.797	2121500	19.900 ug/mlm
20) T Dibenz[a,h]anthracene...	17.833	2245946	18.154 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.045	2298903	19.582 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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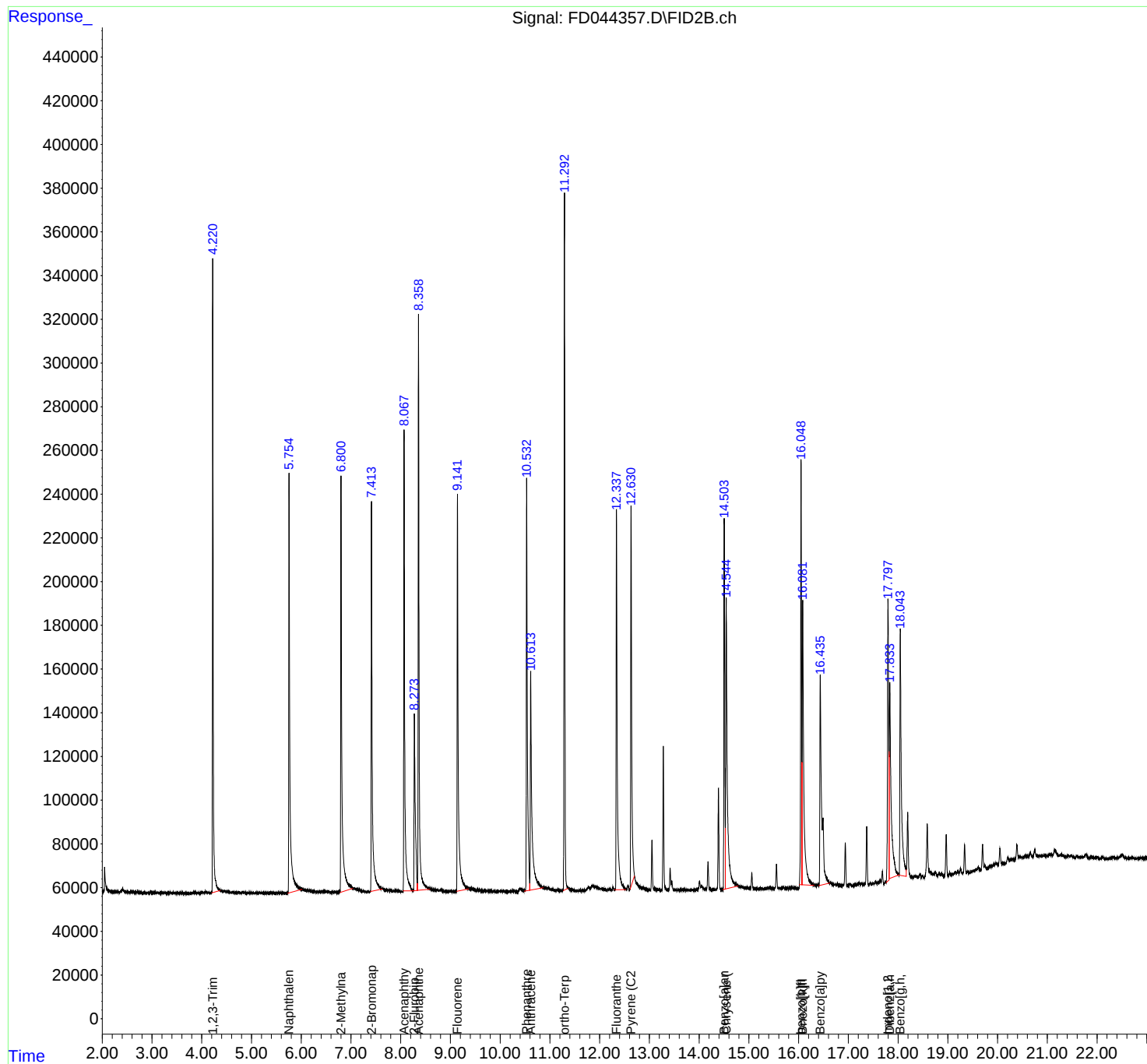
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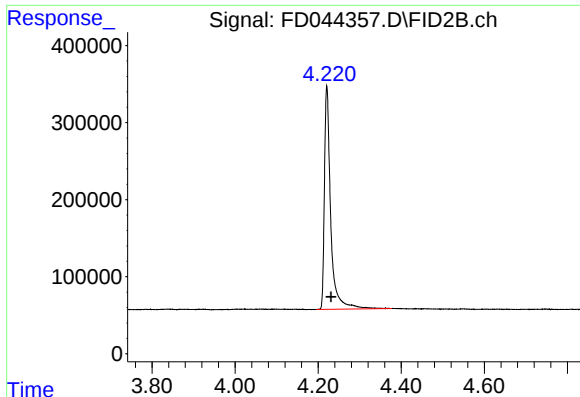
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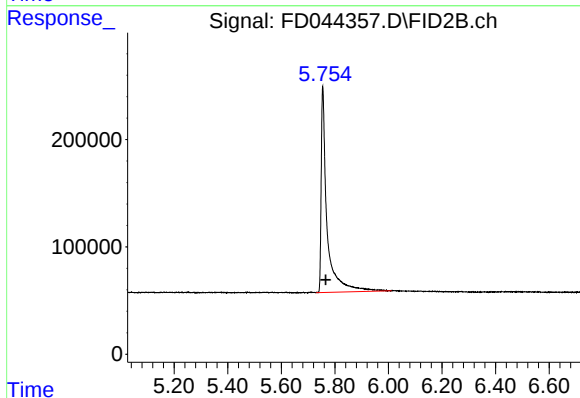
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.221 min
Delta R.T.: -0.010 min
Response: 3057374
Conc: 21.66 ug/ml

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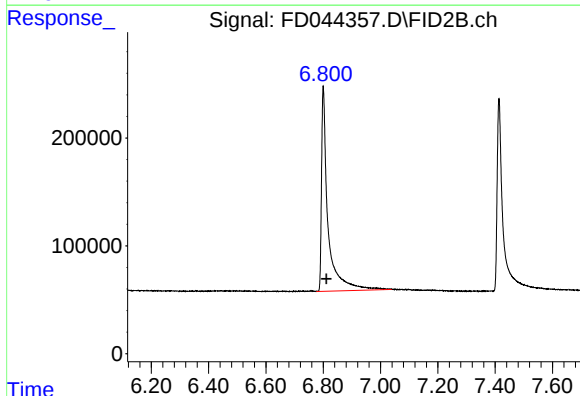
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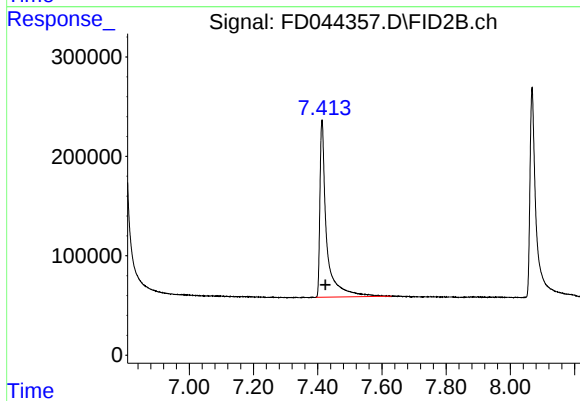
#2 Naphthalene (C11.7)

R.T.: 5.755 min
Delta R.T.: -0.010 min
Response: 2935407
Conc: 21.41 ug/ml



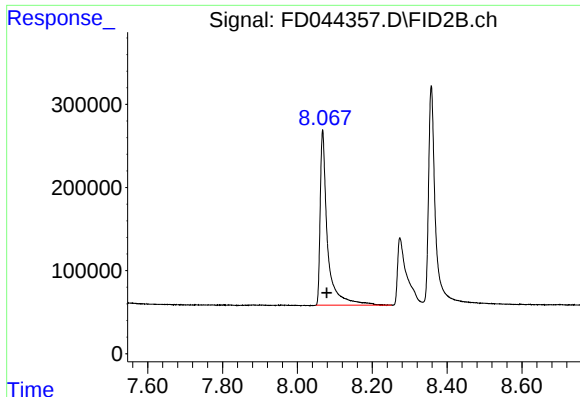
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.801 min
Delta R.T.: -0.011 min
Response: 2982974
Conc: 21.04 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.414 min
Delta R.T.: -0.010 min
Response: 2595892
Conc: 20.91 ug/ml



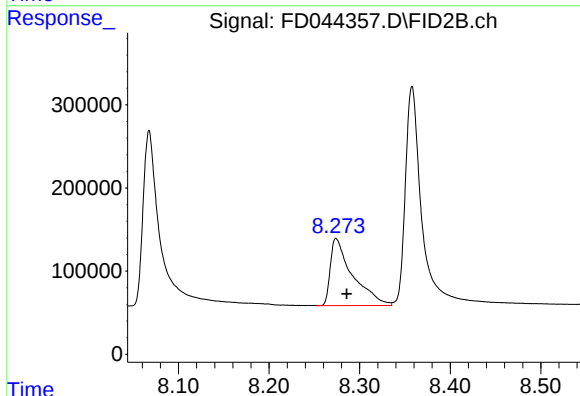
#5 Acenaphthylene (C15.06)

R.T.: 8.068 min
Delta R.T.: -0.010 min
Response: 2867094
Conc: 20.44 ug/ml

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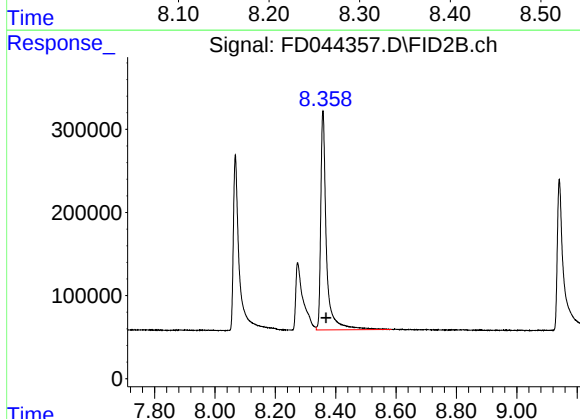
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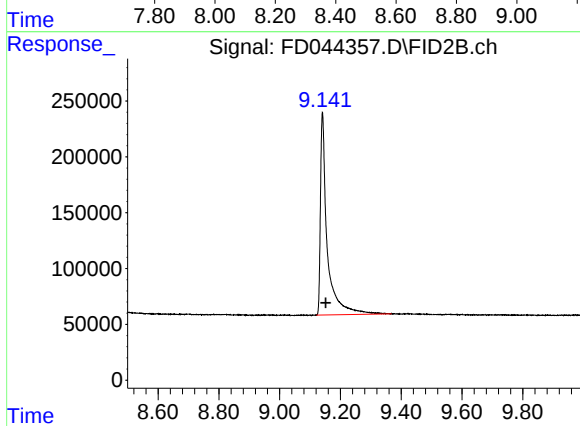
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.275 min
Delta R.T.: -0.011 min
Response: 1373325
Conc: 18.24 ug/ml



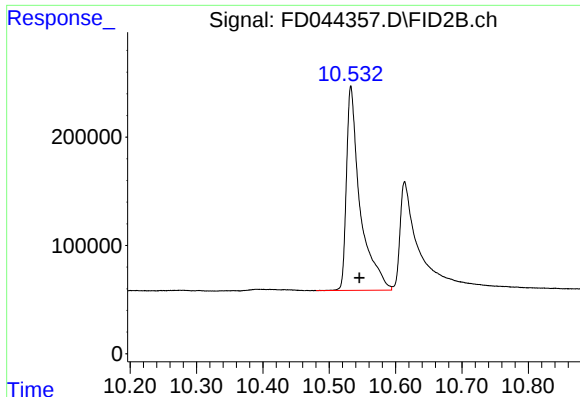
#7 Acenaphthene (C15.5)

R.T.: 8.358 min
Delta R.T.: -0.010 min
Response: 3464081
Conc: 22.28 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.141 min
Delta R.T.: -0.011 min
Response: 2825631
Conc: 20.09 ug/ml



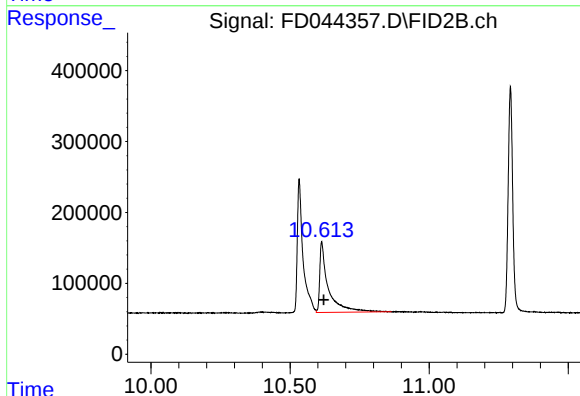
#9 Phenanthrene (C19.36)

R.T.: 10.533 min
Delta R.T.: -0.012 min
Response: 2701591
Conc: 20.06 ug/ml

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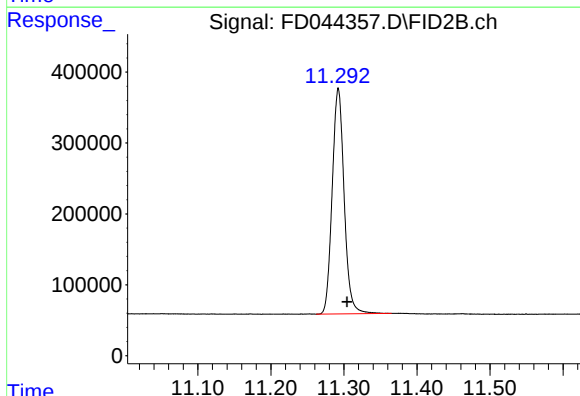
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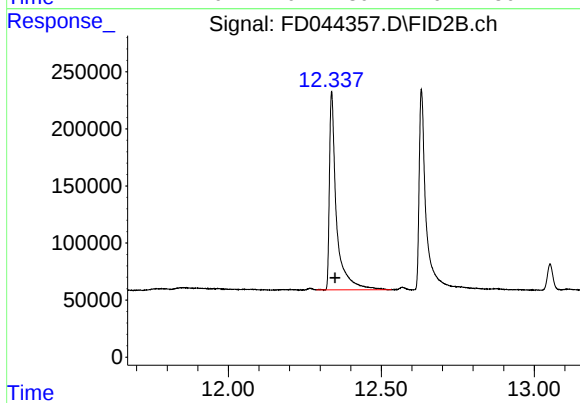
#10 Anthracene (C19.43)

R.T.: 10.614 min
Delta R.T.: -0.007 min
Response: 2158084
Conc: 16.06 ug/ml



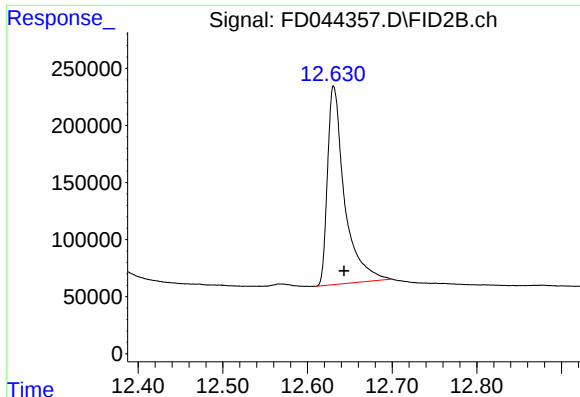
#11 ortho-Terphenyl (SURR)

R.T.: 11.292 min
Delta R.T.: -0.012 min
Response: 3618610
Conc: 21.38 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.338 min
Delta R.T.: -0.011 min
Response: 2801291
Conc: 20.98 ug/ml



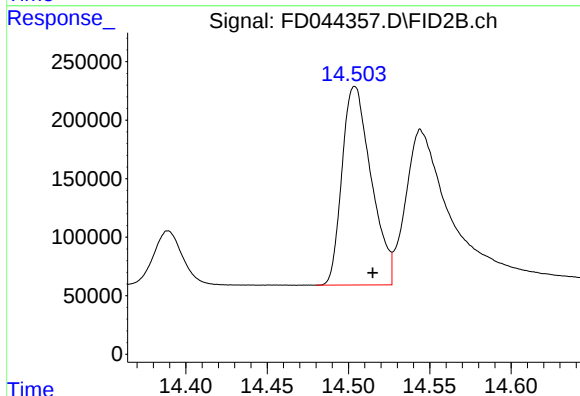
#13 Pyrene (C20.8)

R.T.: 12.632 min
Delta R.T.: -0.012 min
Response: 2436723
Conc: 19.29 ug/ml

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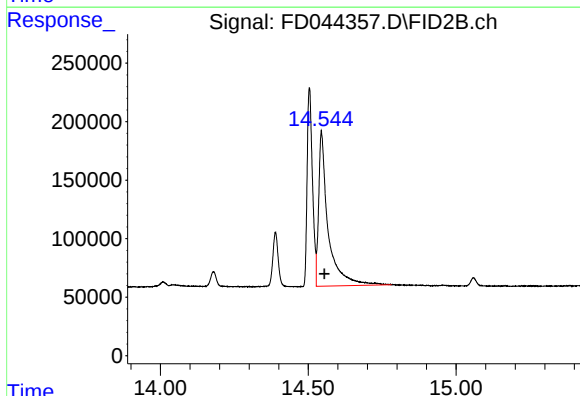
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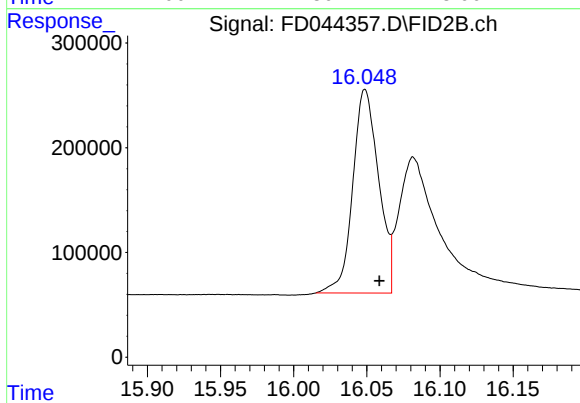
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.504 min
Delta R.T.: -0.011 min
Response: 2116382
Conc: 19.92 ug/ml



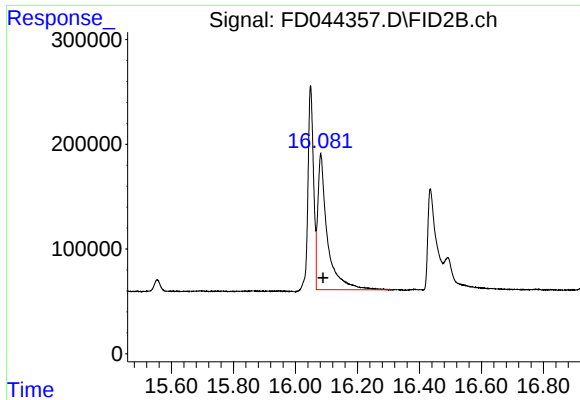
#15 Chrysene (C27.41)

R.T.: 14.545 min
Delta R.T.: -0.010 min
Response: 2959176
Conc: 22.57 ug/ml



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

R.T.: 16.049 min
Delta R.T.: -0.010 min
Response: 2390327
Conc: 21.30 ug/ml



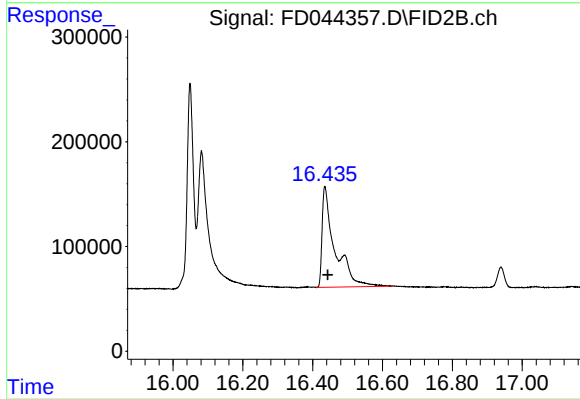
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.082 min
Delta R.T.: -0.007 min
Response: 2817353
Conc: 22.14 ug/ml

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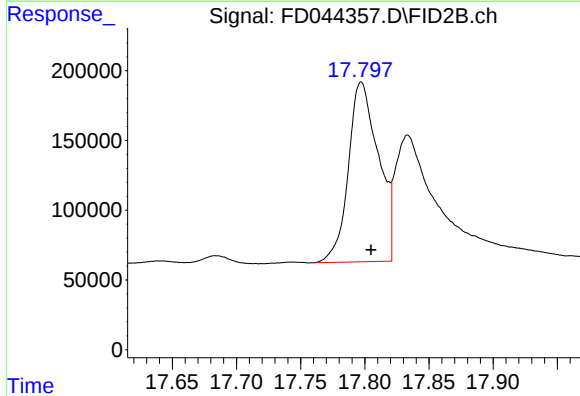
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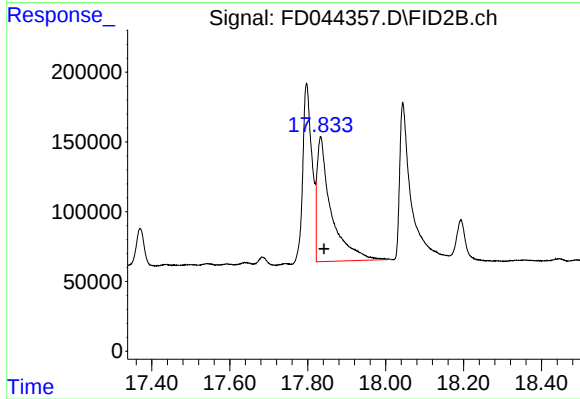
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.435 min
Delta R.T.: -0.008 min
Response: 2468829
Conc: 21.25 ug/ml m



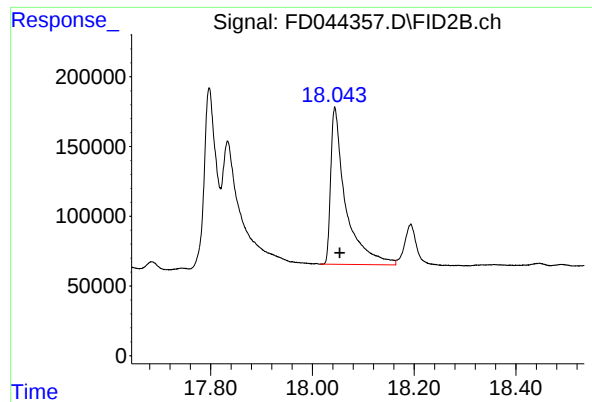
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.797 min
Delta R.T.: -0.008 min
Response: 2121500
Conc: 19.90 ug/ml m



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

R.T.: 17.833 min
Delta R.T.: -0.008 min
Response: 2245946
Conc: 18.15 ug/ml m



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

R.T.: 18.045 min
Delta R.T.: -0.009 min
Response: 2298903
Conc: 19.58 ug/ml

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