

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092222AR\
 Data File : FD043945.D
 Signal(s) : FID2B.ch
 Acq On : 22 Sep 2022 15:22
 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 09/23/2022
 Supervised By :Ankita Jodhani 09/23/2022

Integration File: autoint1.e
 Quant Time: Sep 23 03:22:08 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...	7.423	2479641	18.845 ug/ml
Spiked Amount 50.000		Recovery =	37.69%
6) S 2-Fluorobiphenyl (SURR)	8.278	1499234	20.783 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.57%
11) S ortho-Terphenyl (SURR)	11.311	3182886	17.085 ug/ml
Spiked Amount 50.000		Recovery =	34.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.228	2875771	19.135 ug/mlm
2) T Naphthalene (C11.7)	5.762	2753202	19.335 ug/mlm
3) T 2-Methylnaphthalene (...)	6.809	2820849	19.282 ug/ml
5) T Acenaphthylene (C15.06)	8.079	2663675	17.262 ug/mlm
7) T Acenaphthene (C15.5)	8.371	3010459	17.202 ug/ml
8) T Flouorene (C16.55)	9.152	2710468	18.441 ug/ml
9) T Phenanthrene (C19.36)	10.544	2585117	17.864 ug/ml
10) T Anthracene (C19.43)	10.619	2389865	16.284 ug/ml
12) T Fluoranthene (C21.85)	12.349	2579419	16.818 ug/ml
13) T Pyrene (C20.8)	12.644	2424592	16.299 ug/ml
14) T Benzo[a]anthracene (C...	14.514	2097315	18.761 ug/ml
15) T Chrysene (C27.41)	14.555	2534555	16.218 ug/ml
16) T benzo[b]fluoranthene ...	16.060	2273085	19.492 ug/ml
17) T Bnezo[k]fluoranthene ...	16.091	2511727	16.918 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.439	2327836	19.218 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.802	2171551	22.839 ug/ml
20) T Dibenz[a,h]anthracene...	17.838	2518901	20.968 ug/ml
21) T Benzo[g,h,i]perylene ...	18.053	2401847	21.077 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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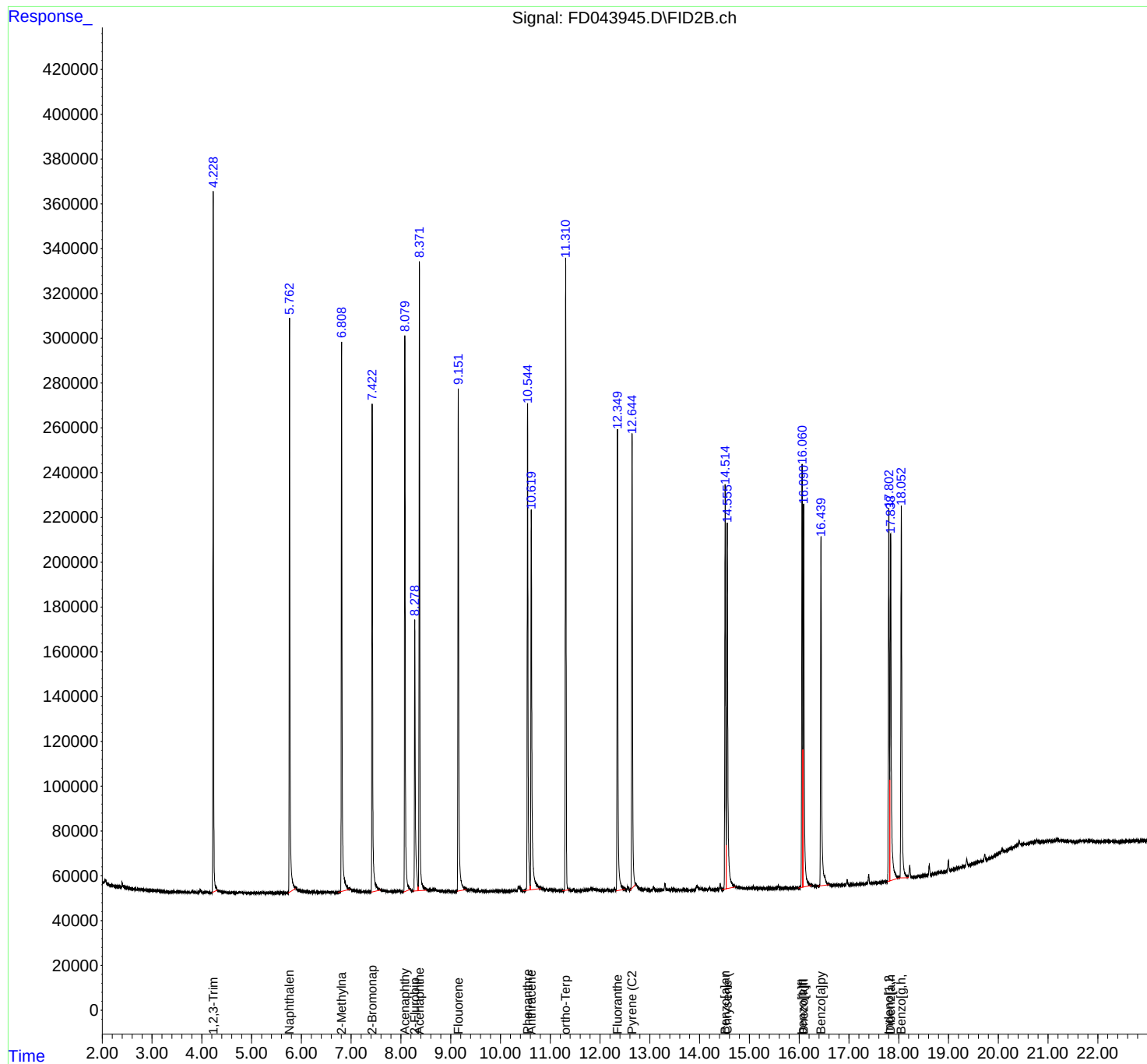
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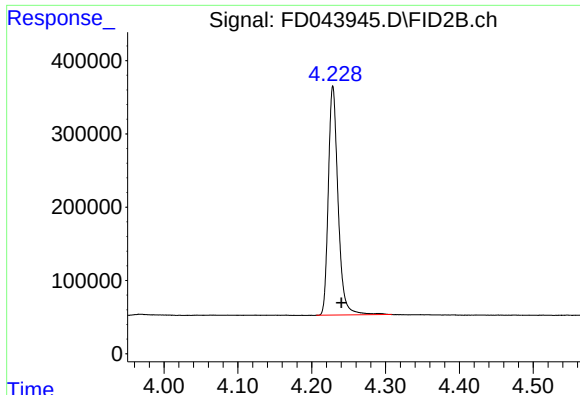
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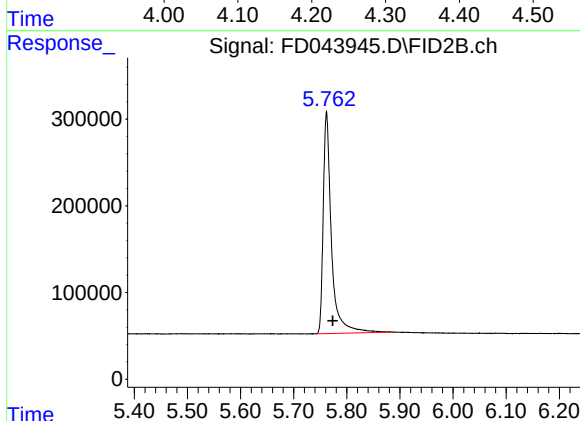
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.228 min
Delta R.T.: -0.012 min
Response: 2875771
Conc: 19.14 ug/ml

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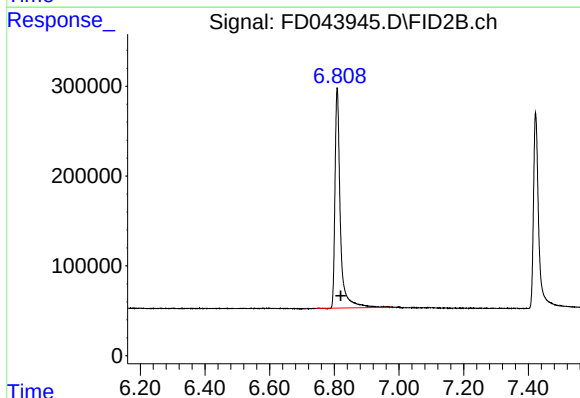
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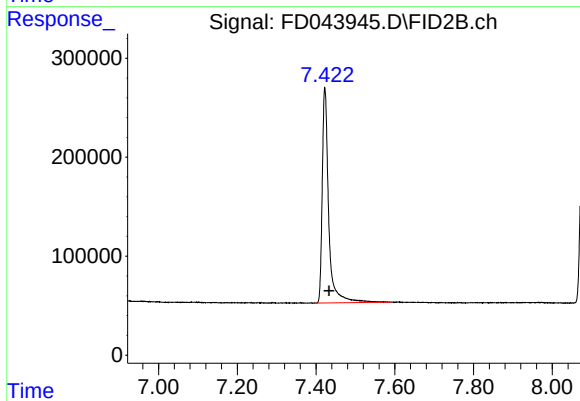
#2 Naphthalene (C11.7)

R.T.: 5.762 min
Delta R.T.: -0.012 min
Response: 2753202
Conc: 19.33 ug/ml m



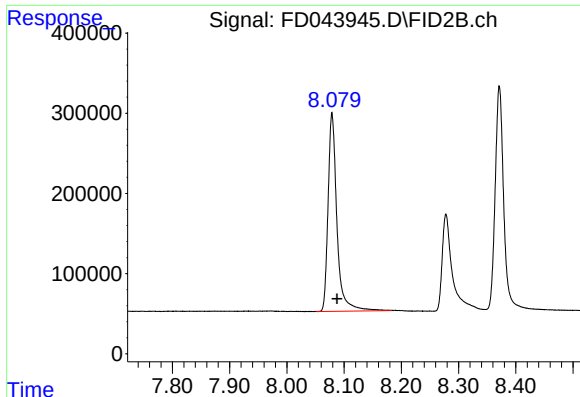
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.809 min
Delta R.T.: -0.010 min
Response: 2820849
Conc: 19.28 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.423 min
Delta R.T.: -0.010 min
Response: 2479641
Conc: 18.85 ug/ml



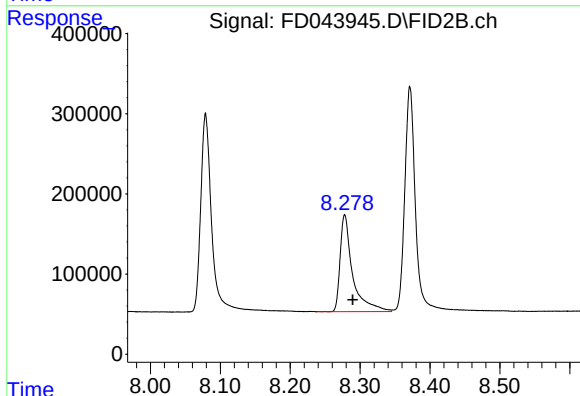
#5 Acenaphthylene (C15.06)

R.T.: 8.079 min
Delta R.T.: -0.009 min
Response: 2663675
Conc: 17.26 ug/ml

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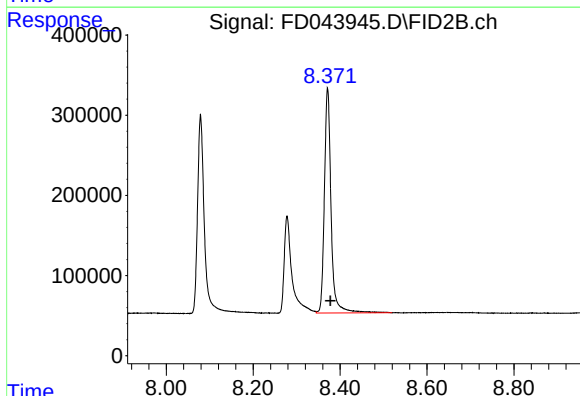
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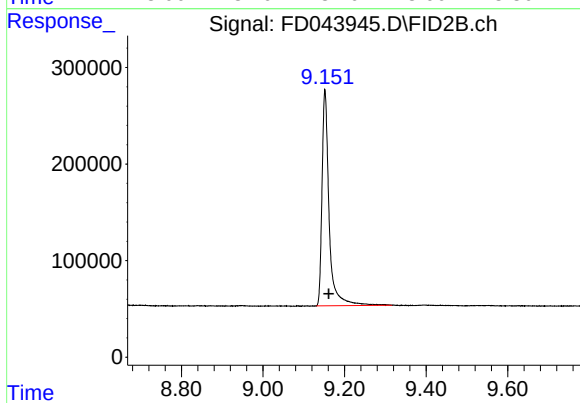
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.278 min
Delta R.T.: -0.011 min
Response: 1499234
Conc: 20.78 ug/ml



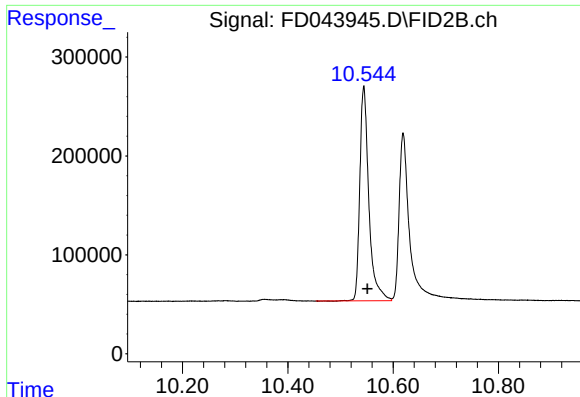
#7 Acenaphthene (C15.5)

R.T.: 8.371 min
Delta R.T.: -0.007 min
Response: 3010459
Conc: 17.20 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.152 min
Delta R.T.: -0.009 min
Response: 2710468
Conc: 18.44 ug/ml



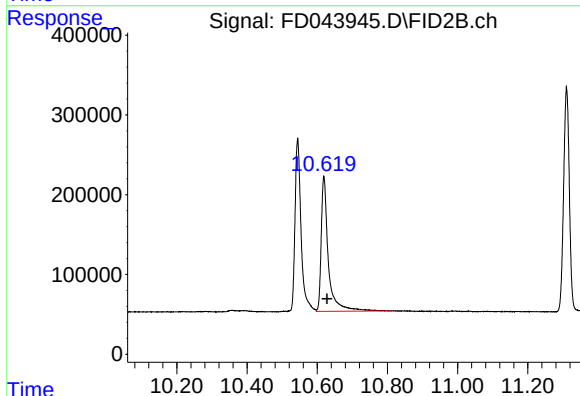
#9 Phenanthrene (C19.36)

R.T.: 10.544 min
Delta R.T.: -0.007 min
Response: 2585117
Conc: 17.86 ug/ml

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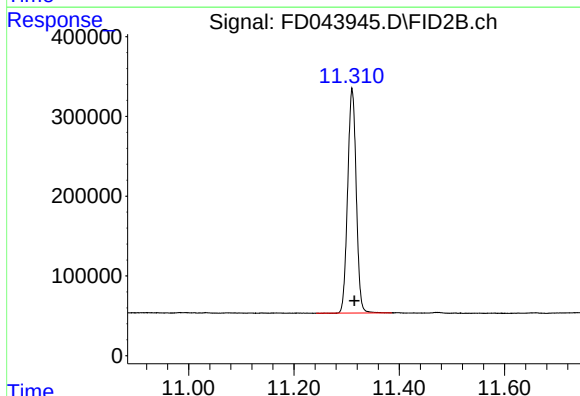
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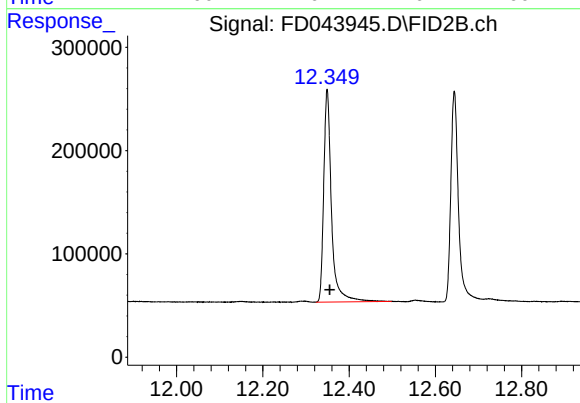
#10 Anthracene (C19.43)

R.T.: 10.619 min
Delta R.T.: -0.009 min
Response: 2389865
Conc: 16.28 ug/ml



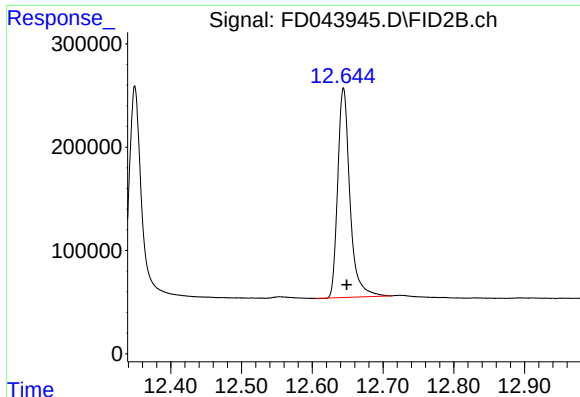
#11 ortho-Terphenyl (SURR)

R.T.: 11.311 min
Delta R.T.: -0.004 min
Response: 3182886
Conc: 17.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.349 min
Delta R.T.: -0.006 min
Response: 2579419
Conc: 16.82 ug/ml



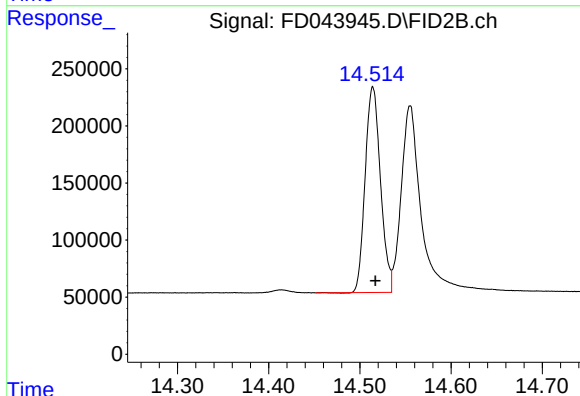
#13 Pyrene (C20.8)

R.T.: 12.644 min
Delta R.T.: -0.005 min
Response: 2424592
Conc: 16.30 ug/ml

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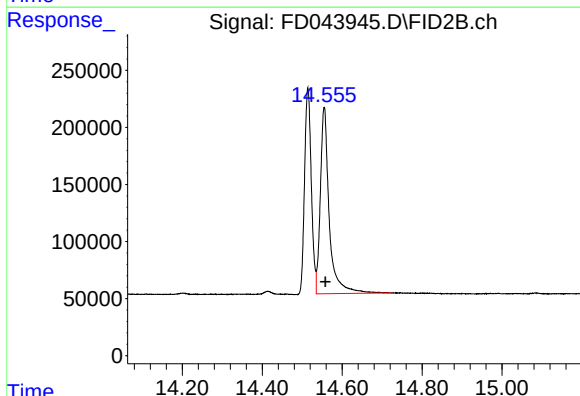
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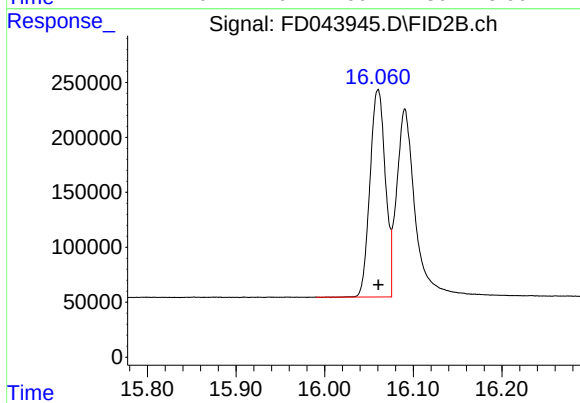
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.514 min
Delta R.T.: -0.003 min
Response: 2097315
Conc: 18.76 ug/ml



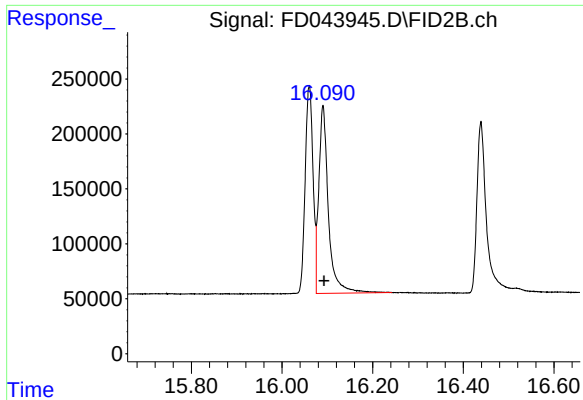
#15 Chrysene (C27.41)

R.T.: 14.555 min
Delta R.T.: -0.003 min
Response: 2534555
Conc: 16.22 ug/ml



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

R.T.: 16.060 min
Delta R.T.: 0.000 min
Response: 2273085
Conc: 19.49 ug/ml



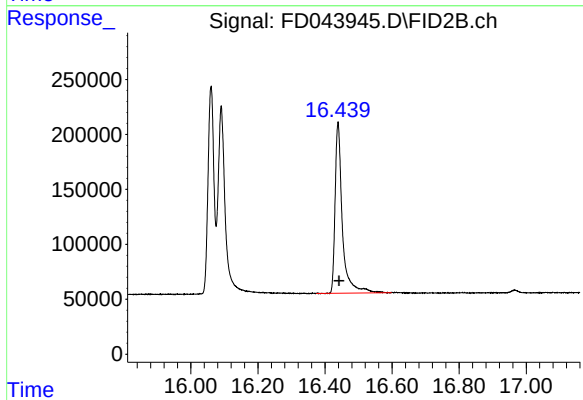
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.091 min
Delta R.T.: -0.002 min
Response: 2511727
Conc: 16.92 ug/ml

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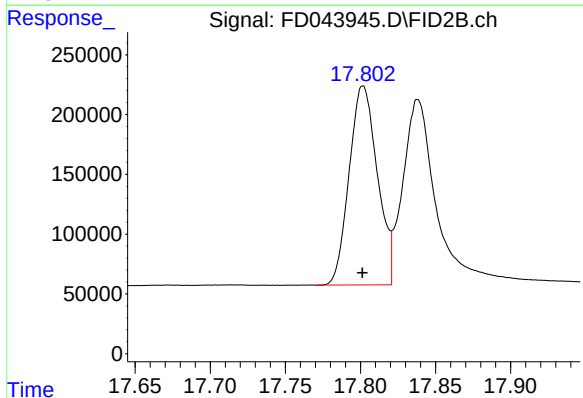
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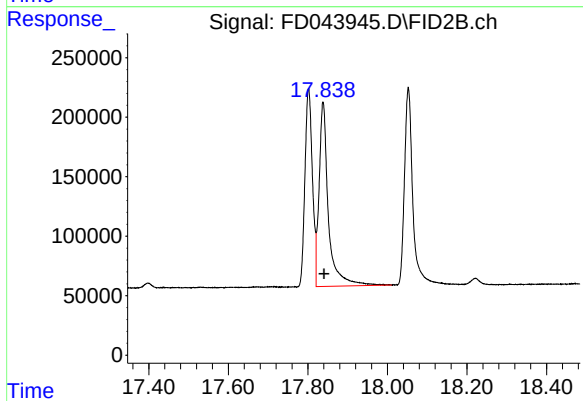
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.439 min
Delta R.T.: -0.003 min
Response: 2327836
Conc: 19.22 ug/ml



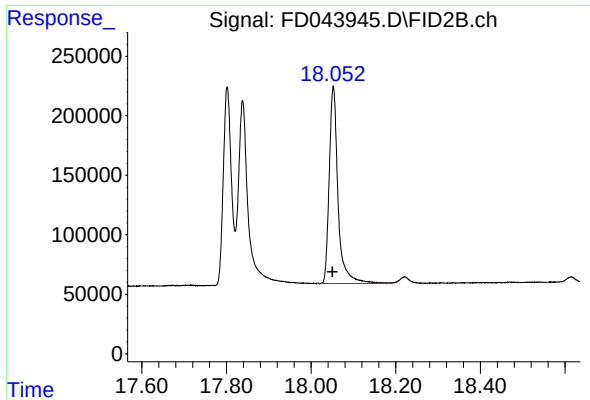
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.802 min
Delta R.T.: 0.000 min
Response: 2171551
Conc: 22.84 ug/ml



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

R.T.: 17.838 min
Delta R.T.: -0.002 min
Response: 2518901
Conc: 20.97 ug/ml



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

R.T.: 18.053 min
Delta R.T.: 0.002 min
Response: 2401847
Conc: 21.08 ug/ml

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