

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083024AR\
 Data File : FD048255.D
 Signal(s) : FID2B.ch
 Acq On : 30 Aug 2024 10:28
 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 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 02:52:32 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081324.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 12 16:16:10 2024
 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...	7.392	3056379	20.477 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
6) S 2-Fluorobiphenyl (SURR)	8.242	2013271	21.033 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.07%
11) S ortho-Terphenyl (SURR)	11.278	3536205	20.993 ug/ml
Spiked Amount 50.000		Recovery =	41.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.213	3522510	20.665 ug/ml
2) T Naphthalene (C11.7)	5.733	3639414	20.886 ug/ml
3) T 2-Methylnaphthalene (...)	6.779	3610961	20.764 ug/ml
5) T Acenaphthylene (C15.06)	8.045	3551356	20.626 ug/ml
7) T Acenaphthene (C15.5)	8.340	3597638	20.777 ug/ml
8) T Flouorene (C16.55)	9.119	3467621	21.027 ug/ml
9) T Phenanthrene (C19.36)	10.505	3399251	21.239 ug/ml
10) T Anthracene (C19.43)	10.581	3019051	19.247 ug/ml
12) T Fluoranthene (C21.85)	12.309	3348240	21.030 ug/ml
13) T Pyrene (C20.8)	12.602	3367561	21.458 ug/ml
14) T Benzo[a]anthracene (C...	14.470	3017977	21.425 ug/mlm
15) T Chrysene (C27.41)	14.511	3258112	20.440 ug/ml
16) T benzo[b]fluoranthene ...	16.014	3225424	21.724 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.045	3130300	21.101 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.391	3156633	21.434 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.754	2705396	22.132 ug/mlm
20) T Dibenz[a,h]anthracene...	17.793	3385558	22.163 ug/ml
21) T Benzo[g,h,i]perylene ...	18.003	3167358	20.974 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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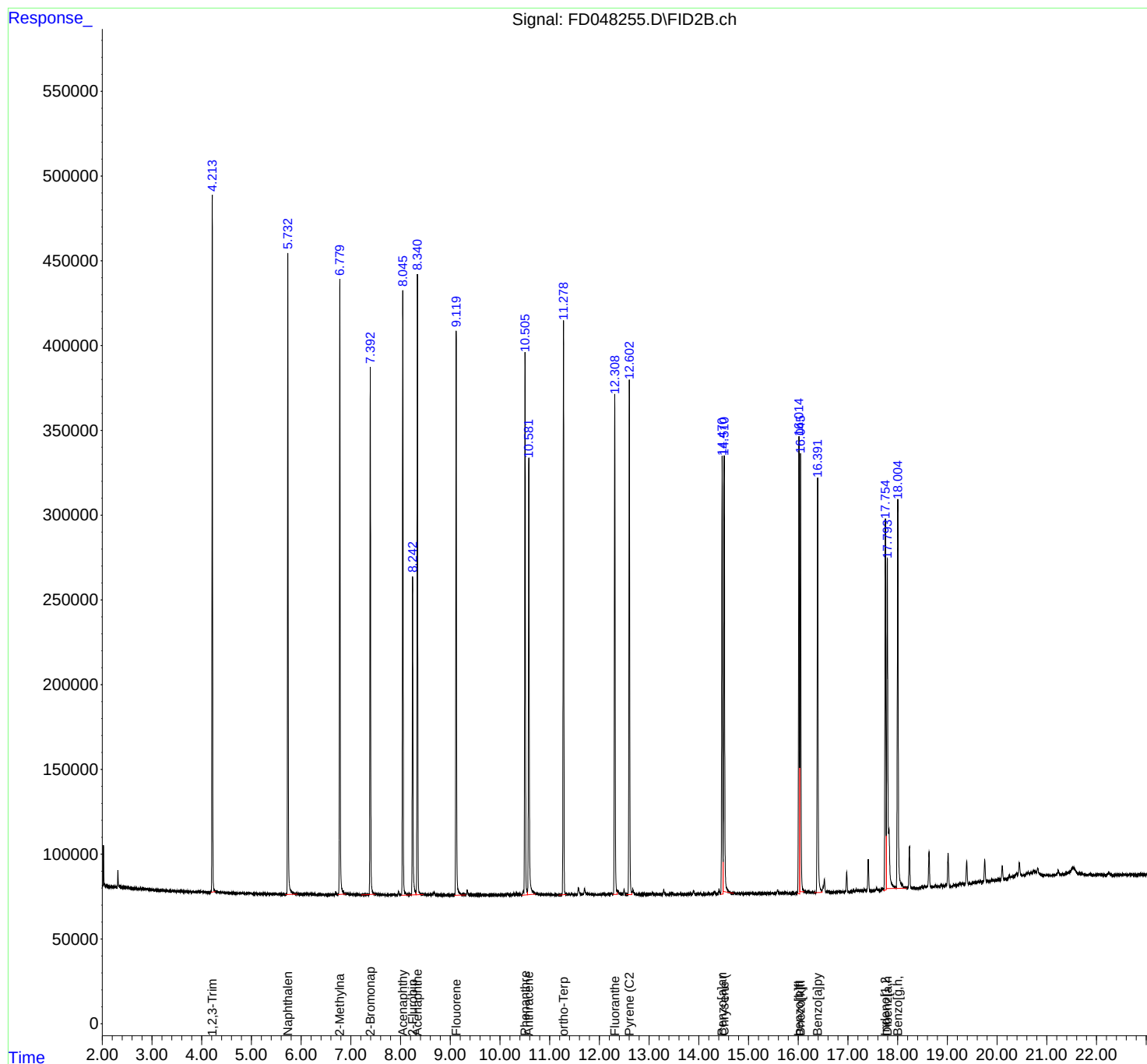
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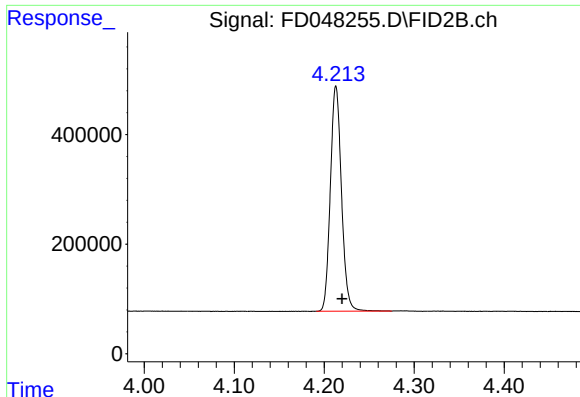
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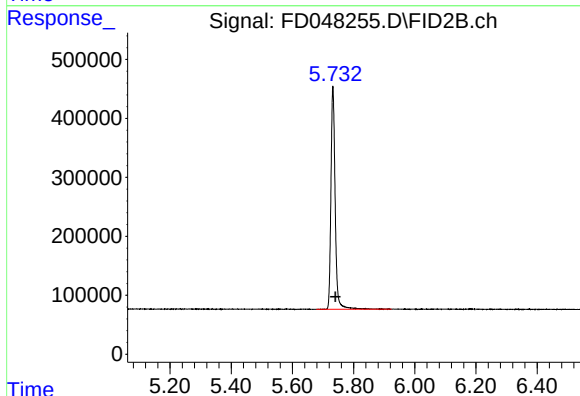
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.213 min
Delta R.T.: -0.007 min
Response: 3522510
Conc: 20.66 ug/ml

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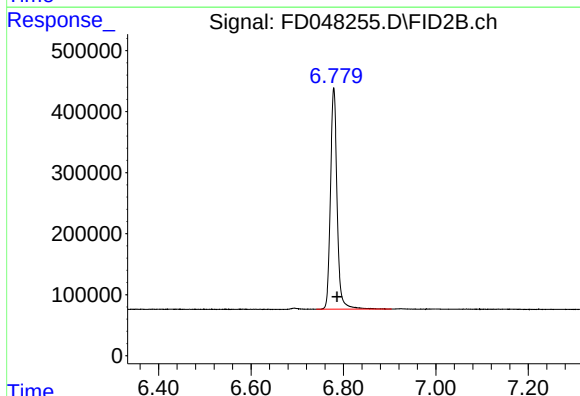
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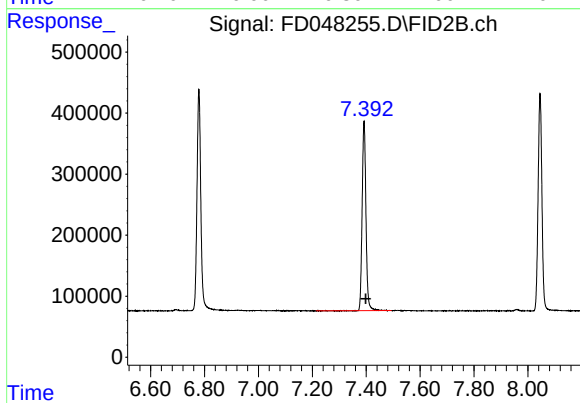
#2 Naphthalene (C11.7)

R.T.: 5.733 min
Delta R.T.: -0.008 min
Response: 3639414
Conc: 20.89 ug/ml



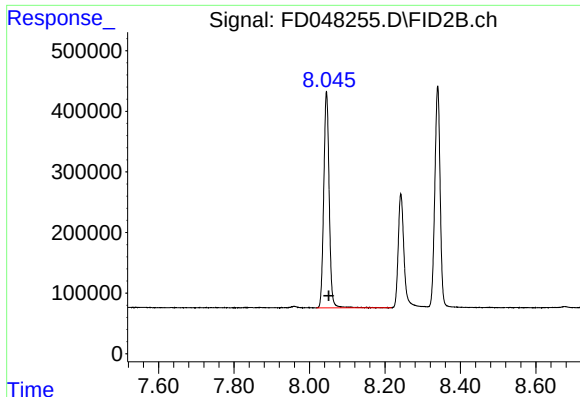
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.779 min
Delta R.T.: -0.007 min
Response: 3610961
Conc: 20.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.392 min
Delta R.T.: -0.007 min
Response: 3056379
Conc: 20.48 ug/ml



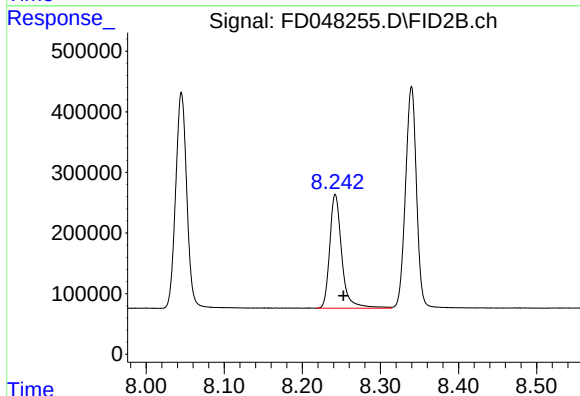
#5 Acenaphthylene (C15.06)

R.T.: 8.045 min
Delta R.T.: -0.006 min
Response: 3551356
Conc: 20.63 ug/ml

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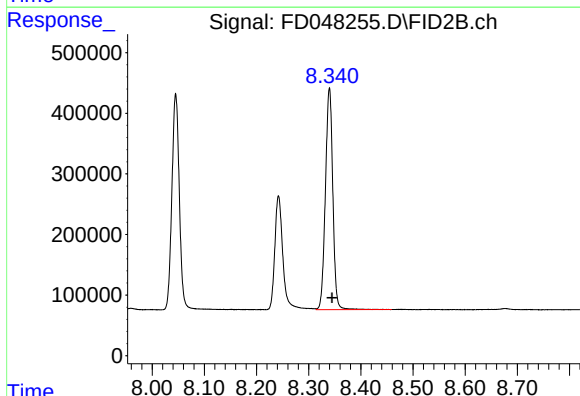
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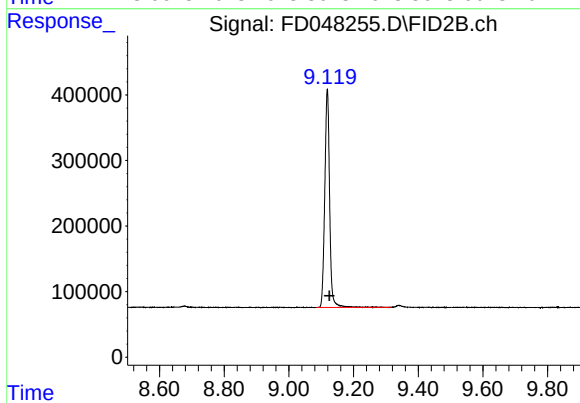
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.242 min
Delta R.T.: -0.010 min
Response: 2013271
Conc: 21.03 ug/ml



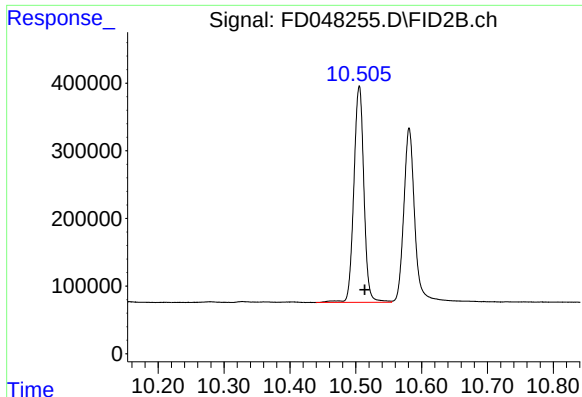
#7 Acenaphthene (C15.5)

R.T.: 8.340 min
Delta R.T.: -0.005 min
Response: 3597638
Conc: 20.78 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.119 min
Delta R.T.: -0.007 min
Response: 3467621
Conc: 21.03 ug/ml



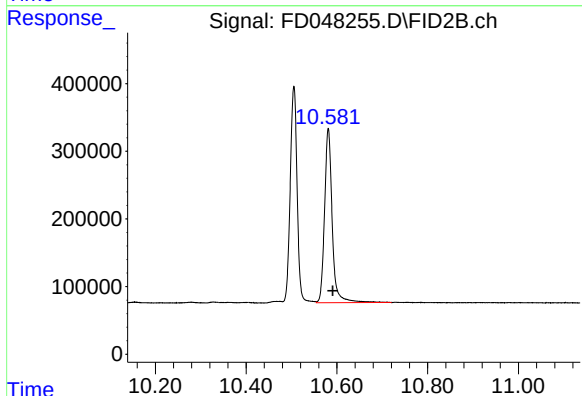
#9 Phenanthrene (C19.36)

R.T.: 10.505 min
Delta R.T.: -0.009 min
Response: 3399251
Conc: 21.24 ug/ml

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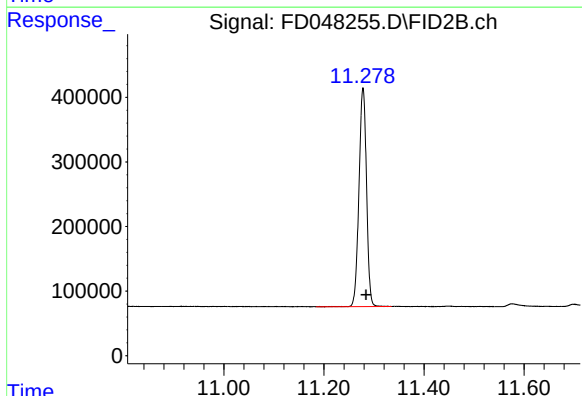
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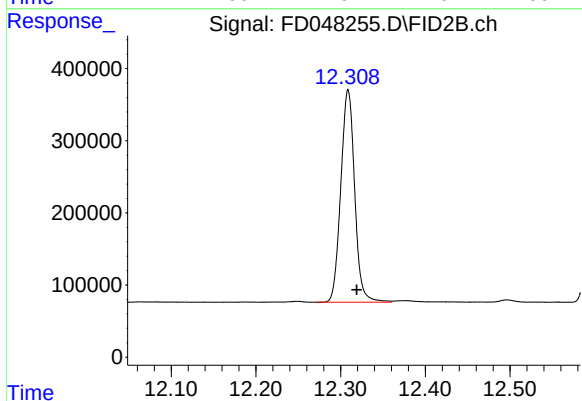
#10 Anthracene (C19.43)

R.T.: 10.581 min
Delta R.T.: -0.009 min
Response: 3019051
Conc: 19.25 ug/ml



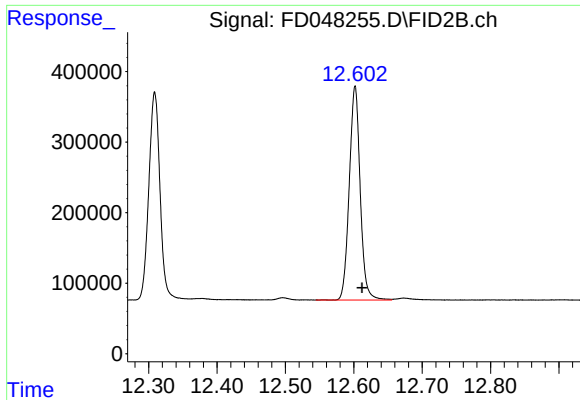
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: -0.006 min
Response: 3536205
Conc: 20.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.309 min
Delta R.T.: -0.010 min
Response: 3348240
Conc: 21.03 ug/ml



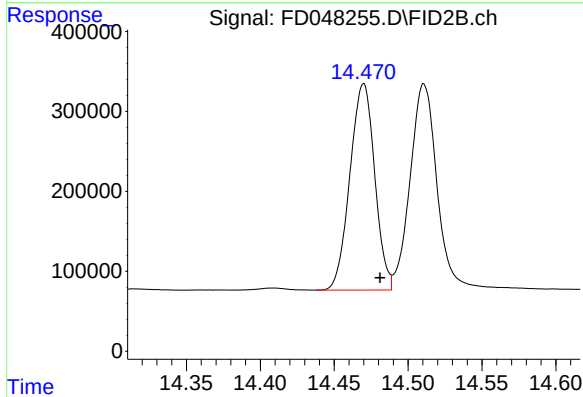
#13 Pyrene (C20.8)

R.T.: 12.602 min
Delta R.T.: -0.010 min
Response: 3367561
Conc: 21.46 ug/ml

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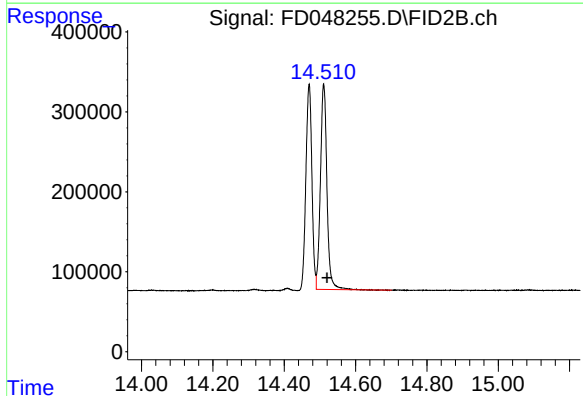
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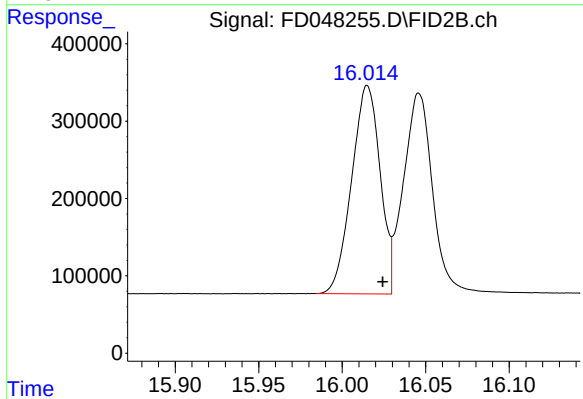
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.470 min
Delta R.T.: -0.011 min
Response: 3017977
Conc: 21.42 ug/ml m



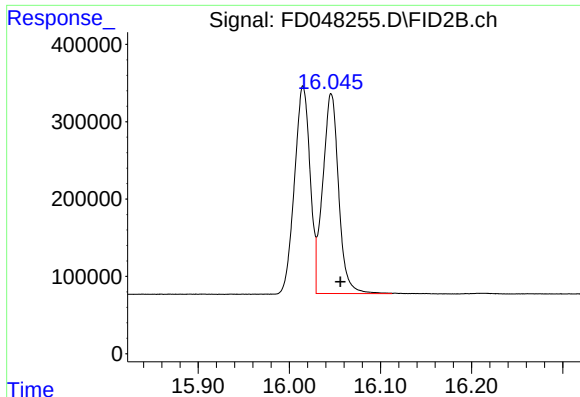
#15 Chrysene (C27.41)

R.T.: 14.511 min
Delta R.T.: -0.009 min
Response: 3258112
Conc: 20.44 ug/ml



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

R.T.: 16.014 min
Delta R.T.: -0.010 min
Response: 3225424
Conc: 21.72 ug/ml m



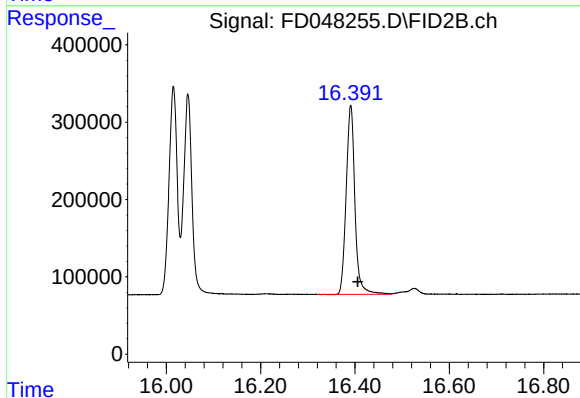
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.045 min
Delta R.T.: -0.011 min
Response: 3130300
Conc: 21.10 ug/ml

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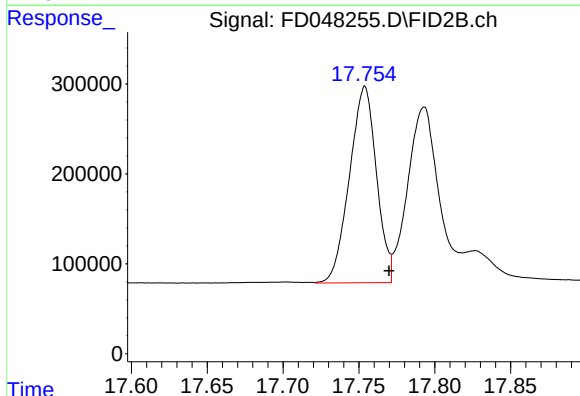
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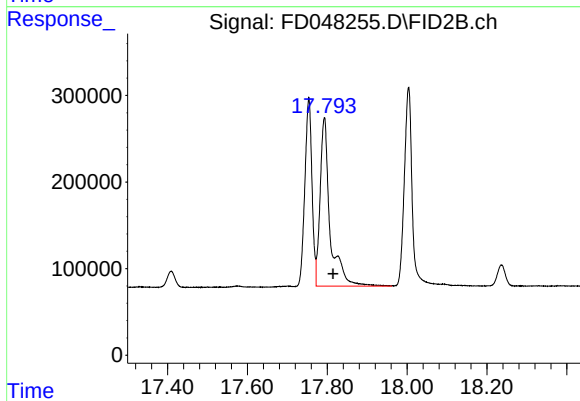
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.391 min
Delta R.T.: -0.015 min
Response: 3156633
Conc: 21.43 ug/ml



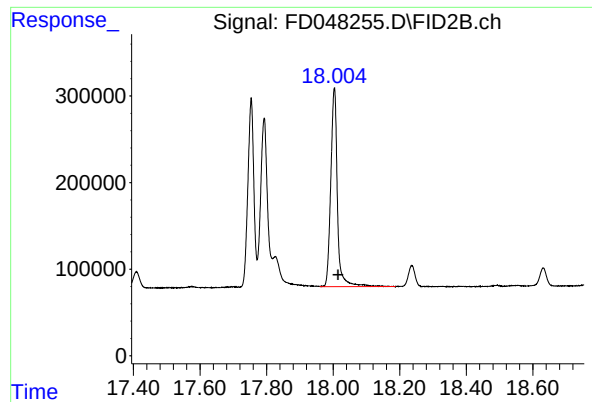
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.754 min
Delta R.T.: -0.016 min
Response: 2705396
Conc: 22.13 ug/ml m



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

R.T.: 17.793 min
Delta R.T.: -0.022 min
Response: 3385558
Conc: 22.16 ug/ml



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

R.T.: 18.003 min
Delta R.T.: -0.011 min
Response: 3167358
Conc: 20.97 ug/ml

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