

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD031924AR\
 Data File : FD047385.D
 Signal(s) : FID2B.ch
 Acq On : 19 Mar 2024 12:58
 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 03/20/2024
 Supervised By :Ankita Jodhani 03/20/2024

Integration File: autoint1.e
 Quant Time: Mar 20 05:03:02 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 030424.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 04 13:13:44 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...	7.454	3432506	20.783 ug/ml
Spiked Amount 50.000		Recovery =	41.57%
6) S 2-Fluorobiphenyl (SURR)	8.306	2220730	20.871 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.74%
11) S ortho-Terphenyl (SURR)	11.339	3868426	20.728 ug/ml
Spiked Amount 50.000		Recovery =	41.46%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.272	3685474	20.737 ug/ml
2) T Naphthalene (C11.7)	5.795	3793869	20.803 ug/ml
3) T 2-Methylnaphthalene (...)	6.843	3804364	20.860 ug/ml
5) T Acenaphthylene (C15.06)	8.109	3438810	20.626 ug/ml
7) T Acenaphthene (C15.5)	8.404	3674006	20.854 ug/ml
8) T Flouorene (C16.55)	9.182	3463845	20.563 ug/ml
9) T Phenanthrene (C19.36)	10.568	3319064	20.494 ug/mlm
10) T Anthracene (C19.43)	10.642	2965129	20.148 ug/ml
12) T Fluoranthene (C21.85)	12.368	3247001	20.367 ug/ml
13) T Pyrene (C20.8)	12.661	3173490	20.513 ug/mlm
14) T Benzo[a]anthracene (C...	14.524	2697699	19.900 ug/ml
15) T Chrysene (C27.41)	14.566	2951590	19.883 ug/ml
16) T benzo[b]fluoranthene ...	16.065	2825437	20.127 ug/ml
17) T Bnezo[k]fluoranthene ...	16.097	2846493	20.101 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.439	2758852	19.972 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.797	2371779	18.977 ug/ml
20) T Dibenz[a,h]anthracene...	17.836	2515459	19.075 ug/ml
21) T Benzo[g,h,i]perylene ...	18.047	2655871	19.766 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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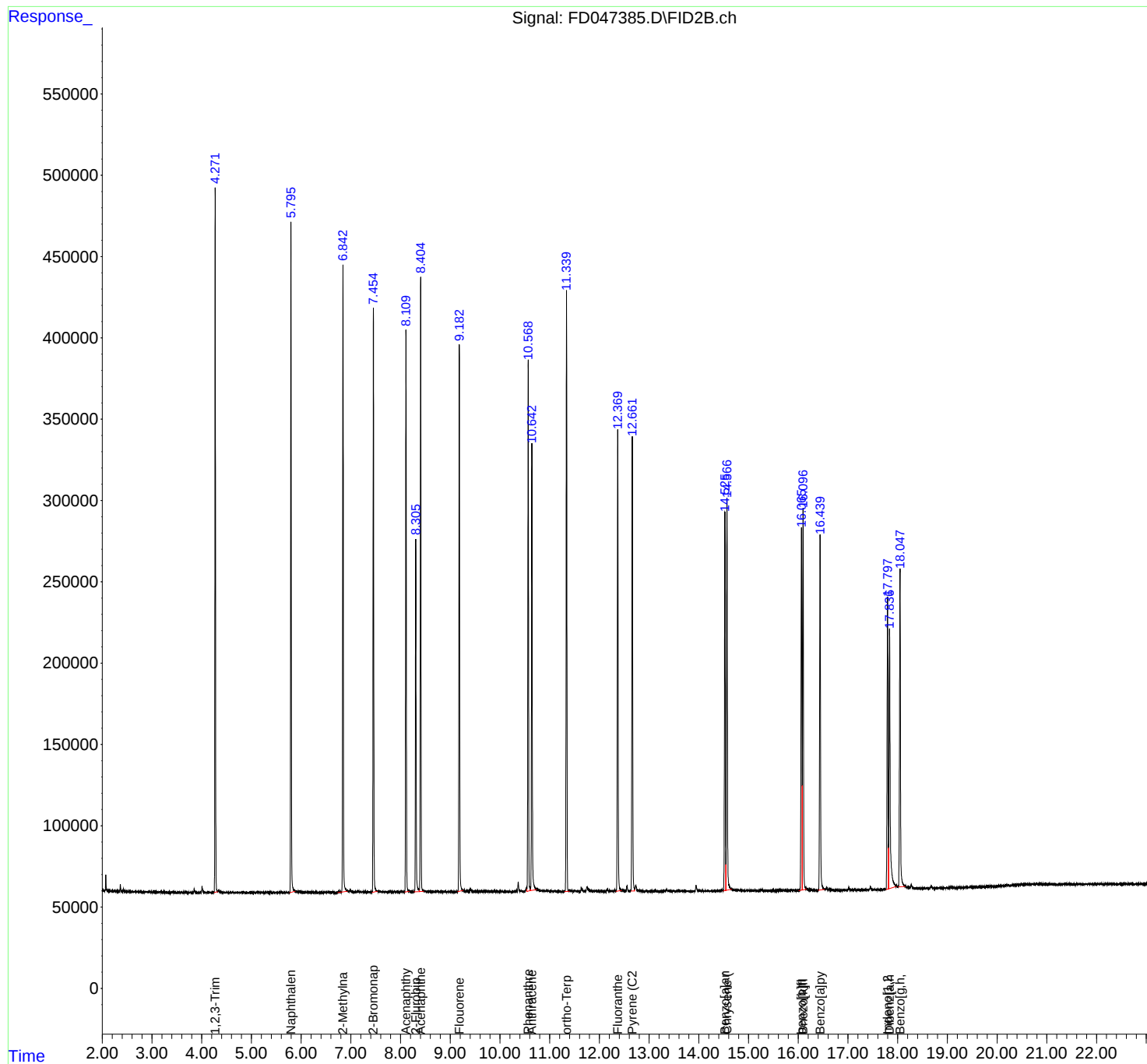
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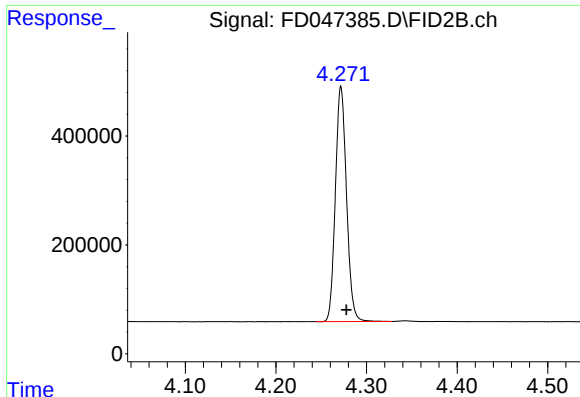
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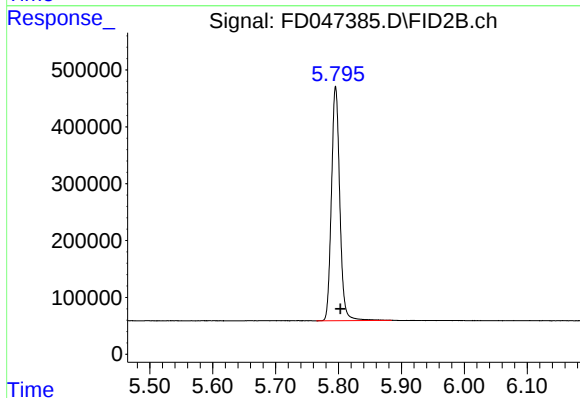
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.272 min
Delta R.T.: -0.006 min
Response: 3685474
Conc: 20.74 ug/ml

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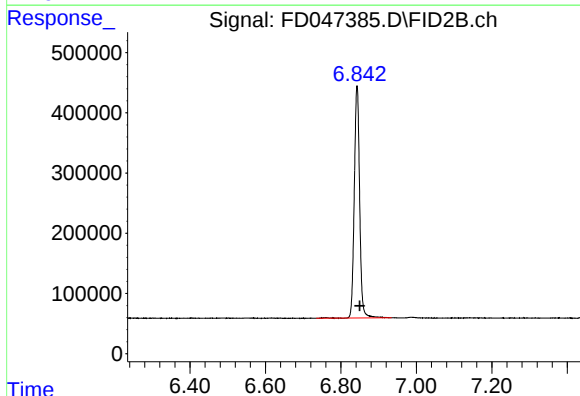
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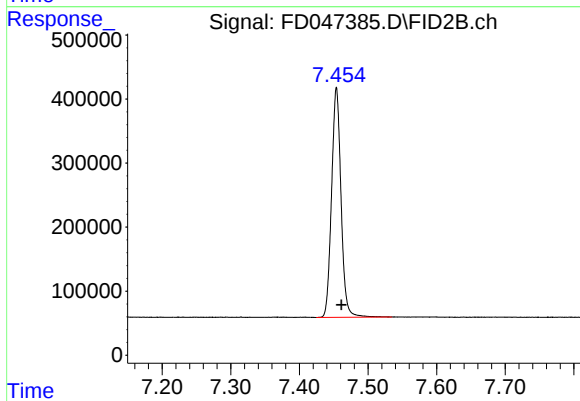
#2 Naphthalene (C11.7)

R.T.: 5.795 min
Delta R.T.: -0.007 min
Response: 3793869
Conc: 20.80 ug/ml



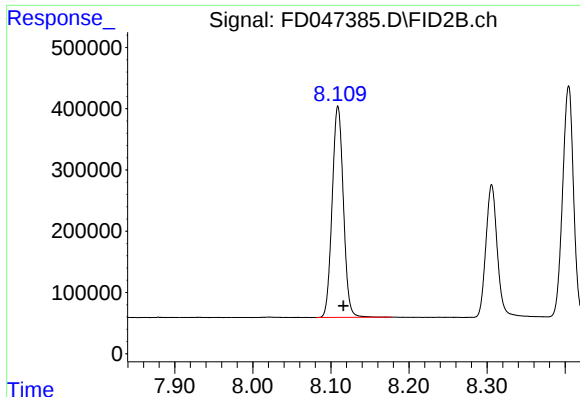
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.843 min
Delta R.T.: -0.007 min
Response: 3804364
Conc: 20.86 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.454 min
Delta R.T.: -0.007 min
Response: 3432506
Conc: 20.78 ug/ml



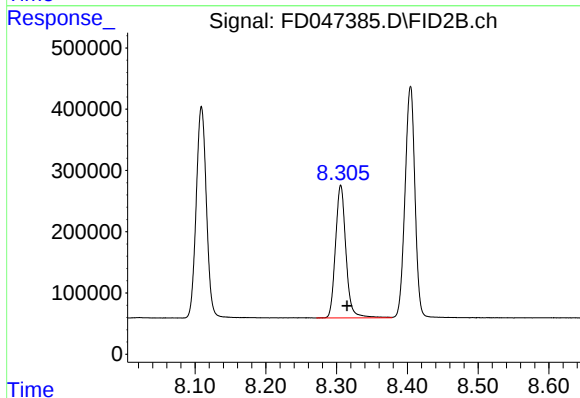
#5 Acenaphthylene (C15.06)

R.T.: 8.109 min
Delta R.T.: -0.007 min
Response: 3438810
Conc: 20.63 ug/ml

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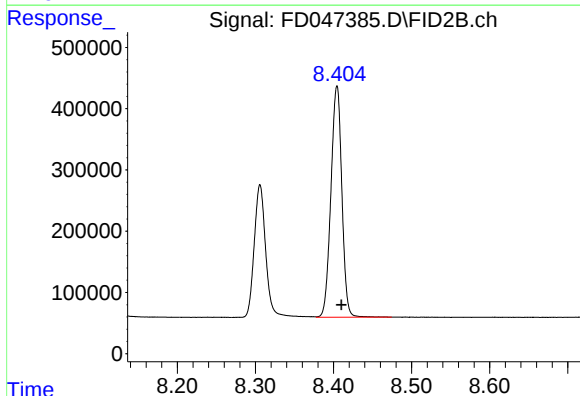
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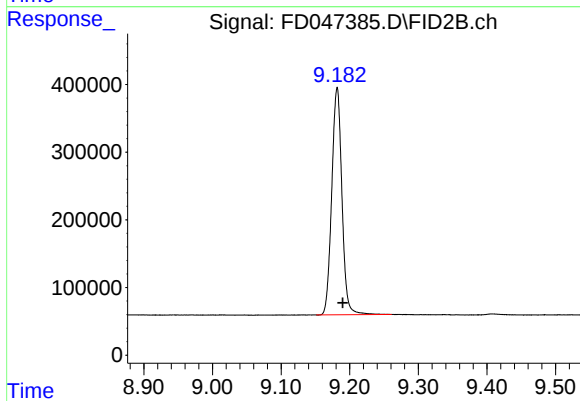
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.306 min
Delta R.T.: -0.009 min
Response: 2220730
Conc: 20.87 ug/ml



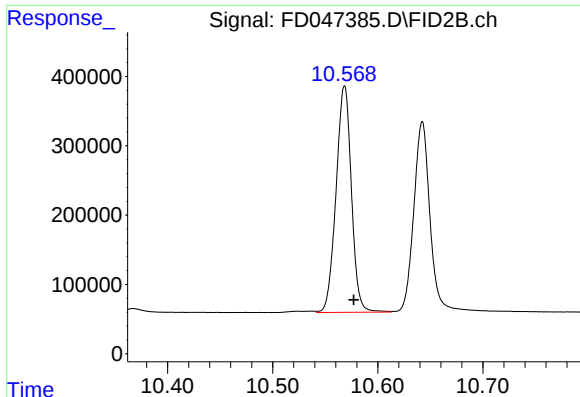
#7 Acenaphthene (C15.5)

R.T.: 8.404 min
Delta R.T.: -0.006 min
Response: 3674006
Conc: 20.85 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.182 min
Delta R.T.: -0.008 min
Response: 3463845
Conc: 20.56 ug/ml



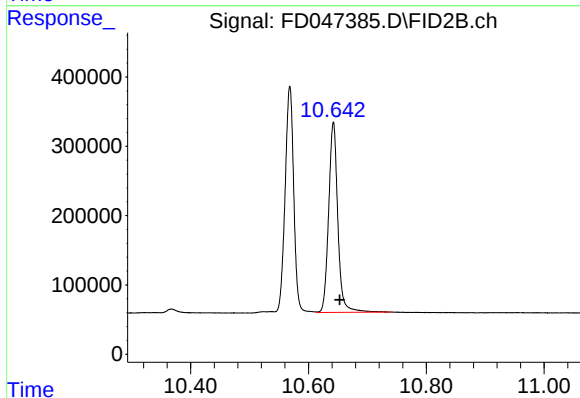
#9 Phenanthrene (C19.36)

R.T.: 10.568 min
Delta R.T.: -0.009 min
Response: 3319064
Conc: 20.49 ug/ml

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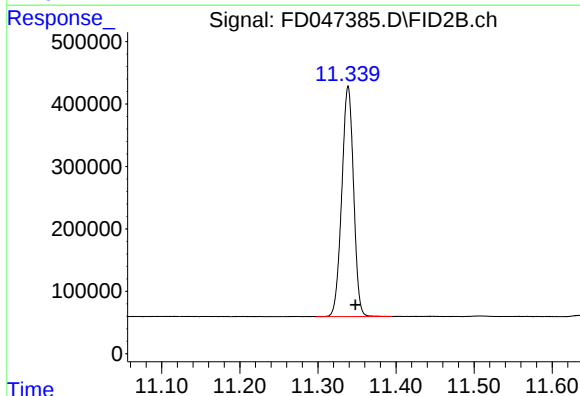
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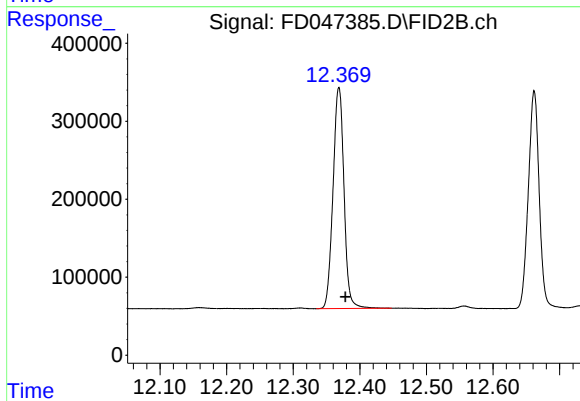
#10 Anthracene (C19.43)

R.T.: 10.642 min
Delta R.T.: -0.011 min
Response: 2965129
Conc: 20.15 ug/ml



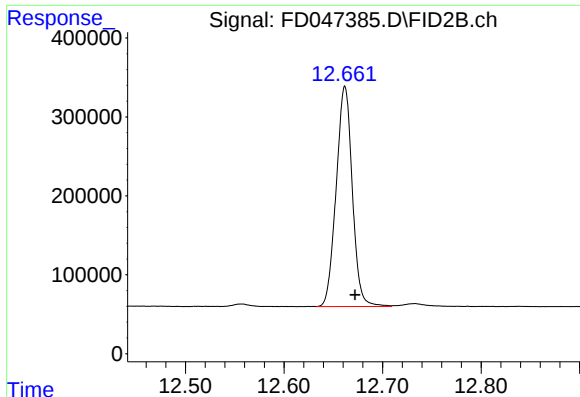
#11 ortho-Terphenyl (SURR)

R.T.: 11.339 min
Delta R.T.: -0.009 min
Response: 3868426
Conc: 20.73 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.368 min
Delta R.T.: -0.010 min
Response: 3247001
Conc: 20.37 ug/ml



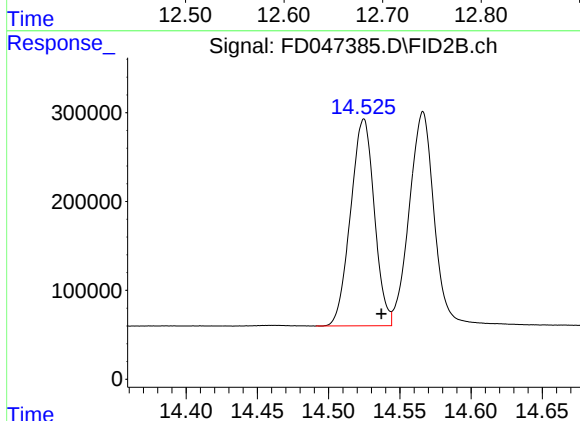
#13 Pyrene (C20.8)

R.T.: 12.661 min
Delta R.T.: -0.011 min
Response: 3173490
Conc: 20.51 ug/ml

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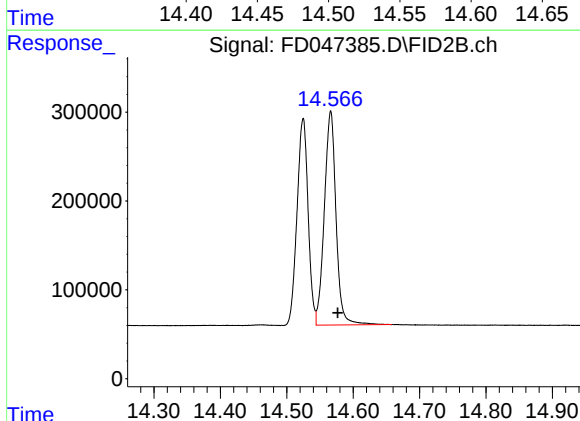
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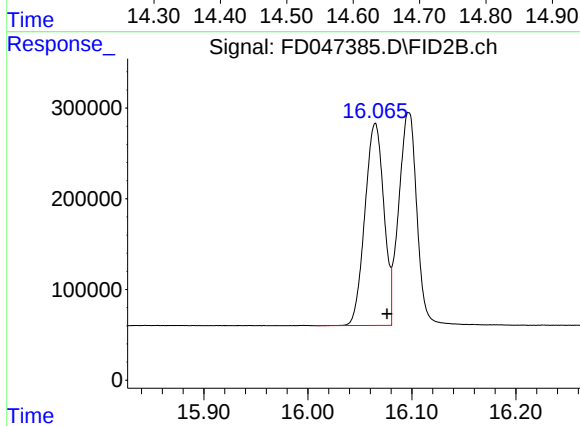
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.524 min
Delta R.T.: -0.012 min
Response: 2697699
Conc: 19.90 ug/ml



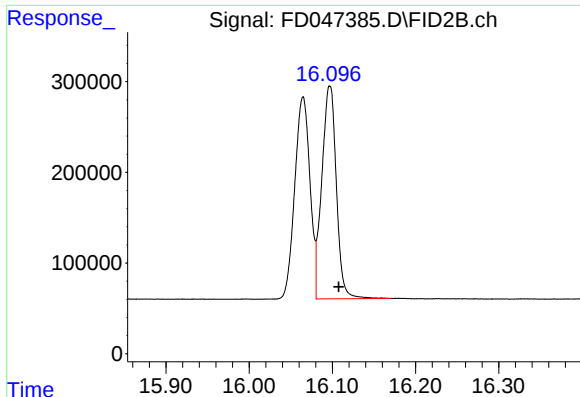
#15 Chrysene (C27.41)

R.T.: 14.566 min
Delta R.T.: -0.011 min
Response: 2951590
Conc: 19.88 ug/ml



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

R.T.: 16.065 min
Delta R.T.: -0.011 min
Response: 2825437
Conc: 20.13 ug/ml



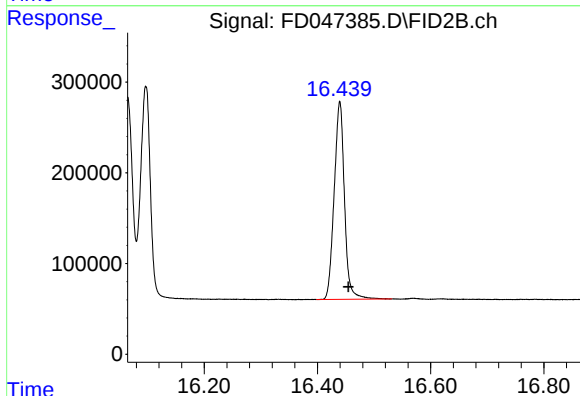
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.097 min
Delta R.T.: -0.011 min
Response: 2846493
Conc: 20.10 ug/ml

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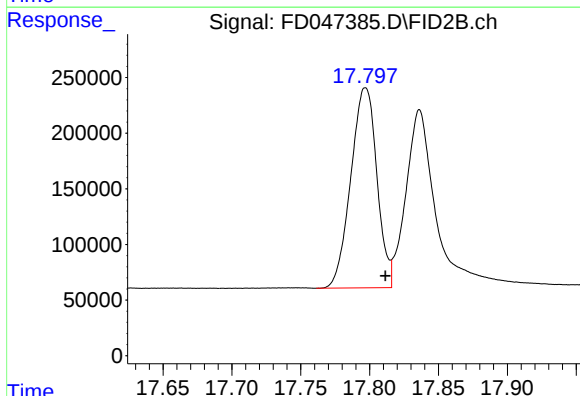
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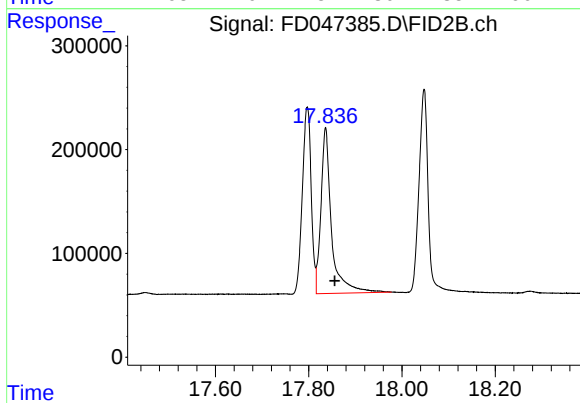
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.439 min
Delta R.T.: -0.015 min
Response: 2758852
Conc: 19.97 ug/ml



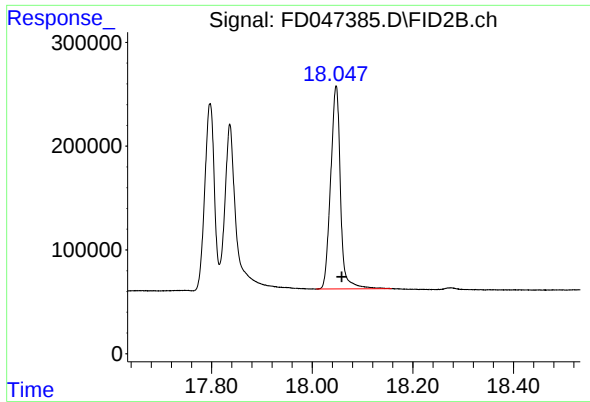
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.797 min
Delta R.T.: -0.015 min
Response: 2371779
Conc: 18.98 ug/ml



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

R.T.: 17.836 min
Delta R.T.: -0.020 min
Response: 2515459
Conc: 19.07 ug/ml



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

R.T.: 18.047 min
Delta R.T.: -0.012 min
Response: 2655871
Conc: 19.77 ug/ml

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