

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD022624AR\
 Data File : FD047311.D
 Signal(s) : FID2B.ch
 Acq On : 26 Feb 2024 13:39
 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 02/27/2024
 Supervised By :Ankita Jodhani 02/27/2024

Integration File: autoint1.e
 Quant Time: Feb 27 03:00:33 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 020824.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 08 13:43:49 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...	7.462	3394660	22.298 ug/ml
Spiked Amount 50.000		Recovery =	44.60%
6) S 2-Fluorobiphenyl (SURR)	8.313	2249500	22.255 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	44.51%
11) S ortho-Terphenyl (SURR)	11.352	3887976	22.044 ug/ml
Spiked Amount 50.000		Recovery =	44.09%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.277	3494711	22.168 ug/ml
2) T Naphthalene (C11.7)	5.802	3679997	22.142 ug/ml
3) T 2-Methylnaphthalene (...)	6.850	3746138	22.214 ug/ml
5) T Acenaphthylene (C15.06)	8.118	3354386	21.794 ug/ml
7) T Acenaphthene (C15.5)	8.413	3624429	21.989 ug/ml
8) T Flouorene (C16.55)	9.191	3538474	22.318 ug/ml
9) T Phenanthrene (C19.36)	10.580	3386423	21.798 ug/ml
10) T Anthracene (C19.43)	10.653	2602150	17.646 ug/ml
12) T Fluoranthene (C21.85)	12.383	3387973	21.882 ug/mlm
13) T Pyrene (C20.8)	12.677	3260631	21.676 ug/ml
14) T Benzo[a]anthracene (C...	14.541	2870663	21.355 ug/ml
15) T Chrysene (C27.41)	14.583	3166083	21.621 ug/ml
16) T benzo[b]fluoranthene ...	16.083	2942596	21.372 ug/ml
17) T Bnezo[k]fluoranthene ...	16.116	3126548	22.532 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.457	2731585	20.178 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.816	2735312	21.666 ug/ml
20) T Dibenz[a,h]anthracene...	17.857	2807782	21.073 ug/ml
21) T Benzo[g,h,i]perylene ...	18.068	2867336	21.625 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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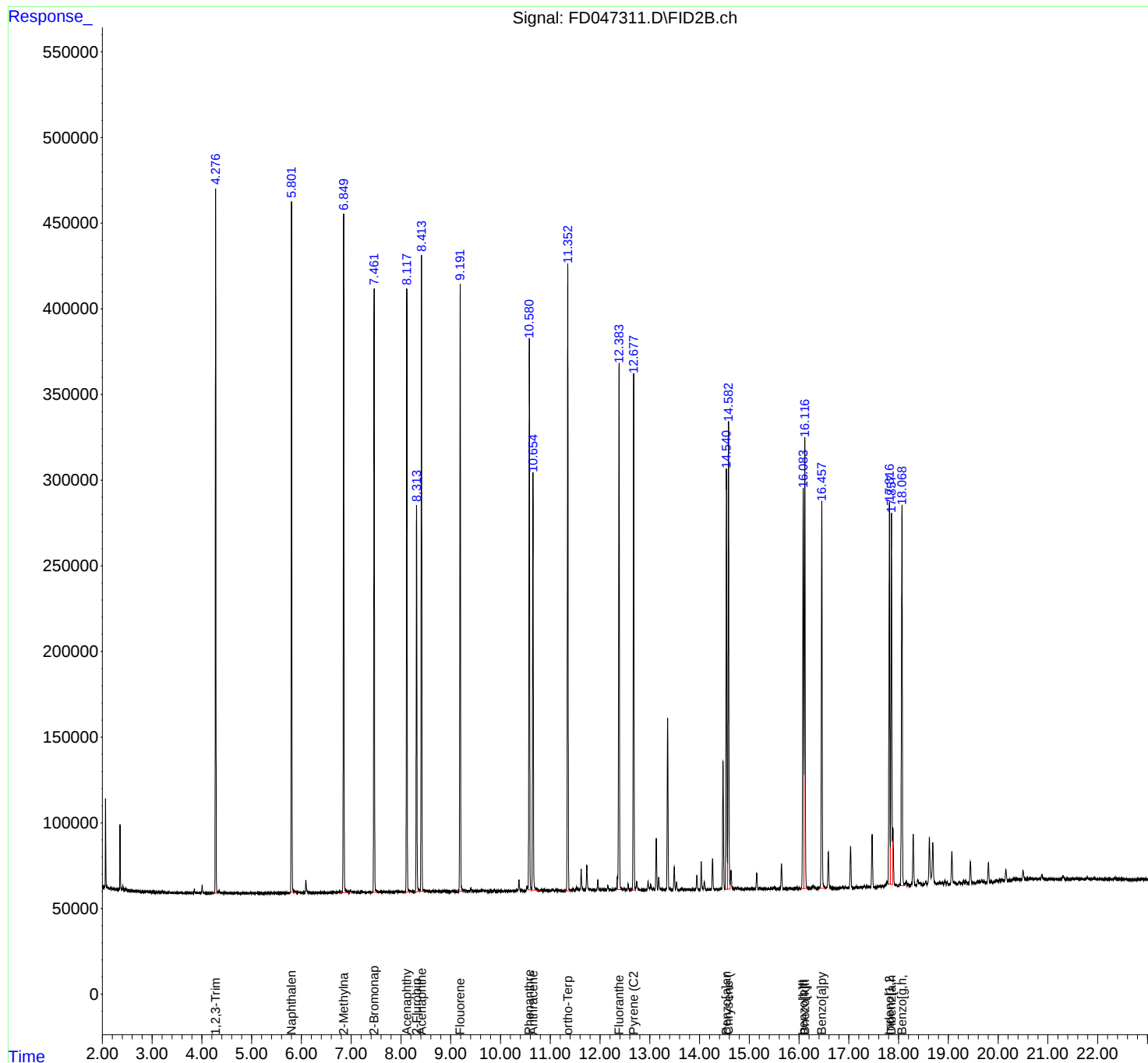
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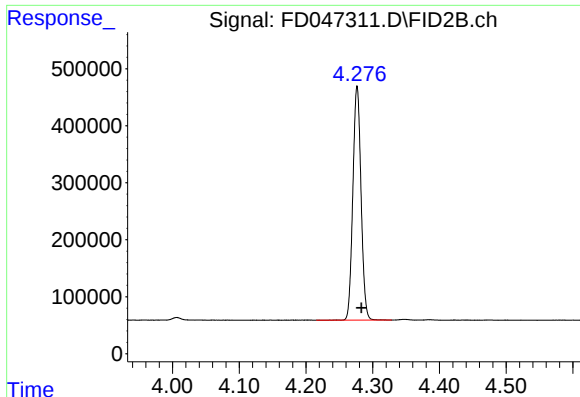
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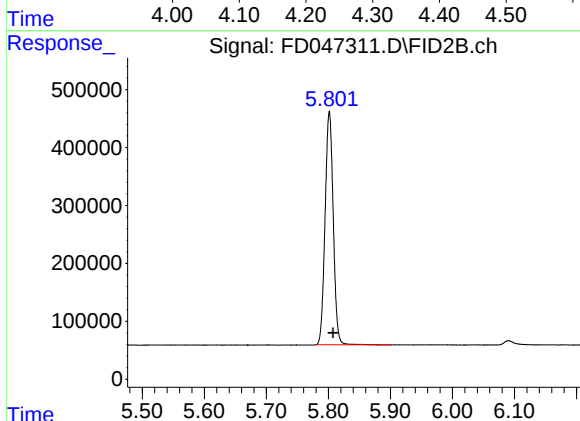
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.277 min
Delta R.T.: -0.006 min
Response: 3494711
Conc: 22.17 ug/ml

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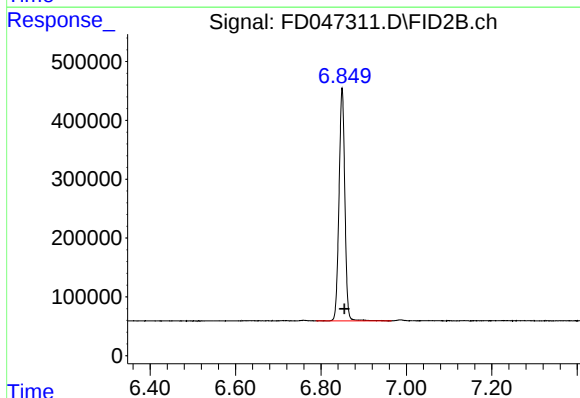
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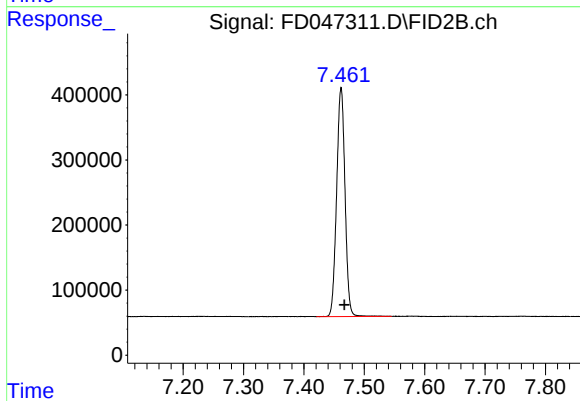
#2 Naphthalene (C11.7)

R.T.: 5.802 min
Delta R.T.: -0.006 min
Response: 3679997
Conc: 22.14 ug/ml



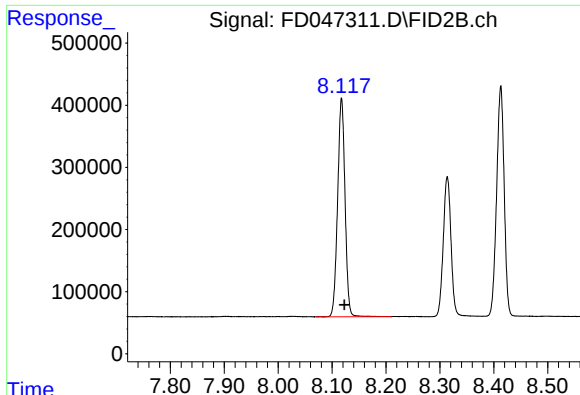
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.850 min
Delta R.T.: -0.006 min
Response: 3746138
Conc: 22.21 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.462 min
Delta R.T.: -0.006 min
Response: 3394660
Conc: 22.30 ug/ml



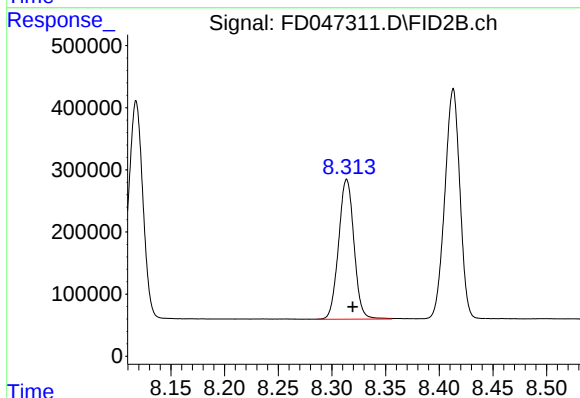
#5 Acenaphthylene (C15.06)

R.T.: 8.118 min
Delta R.T.: -0.005 min
Response: 3354386
Conc: 21.79 ug/ml

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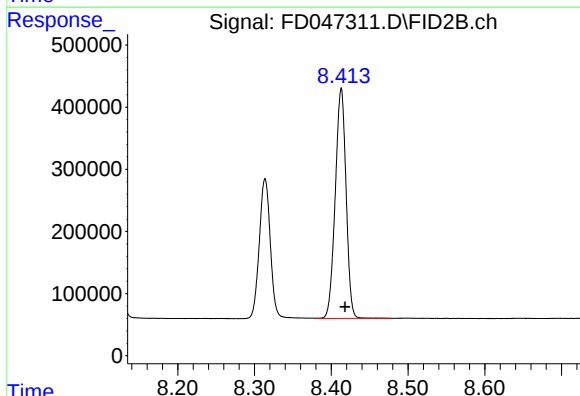
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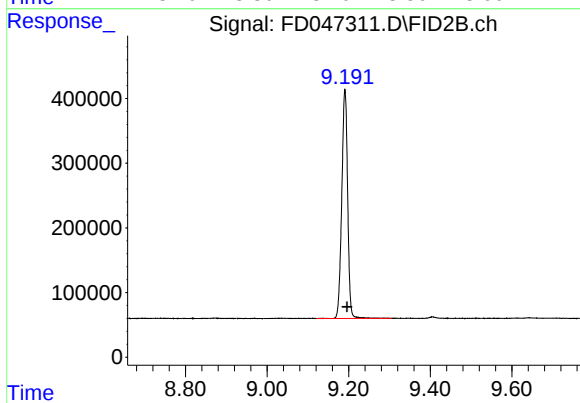
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.313 min
Delta R.T.: -0.006 min
Response: 2249500
Conc: 22.25 ug/ml m



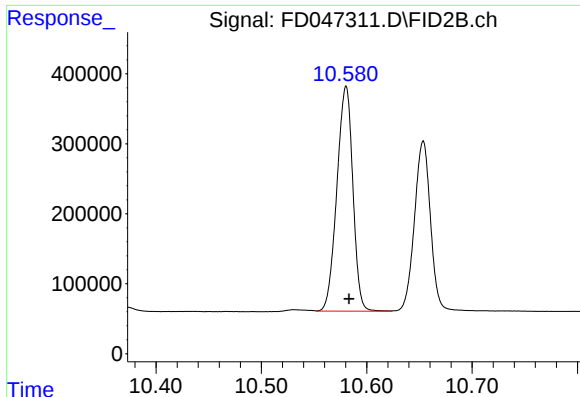
#7 Acenaphthene (C15.5)

R.T.: 8.413 min
Delta R.T.: -0.005 min
Response: 3624429
Conc: 21.99 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.191 min
Delta R.T.: -0.005 min
Response: 3538474
Conc: 22.32 ug/ml



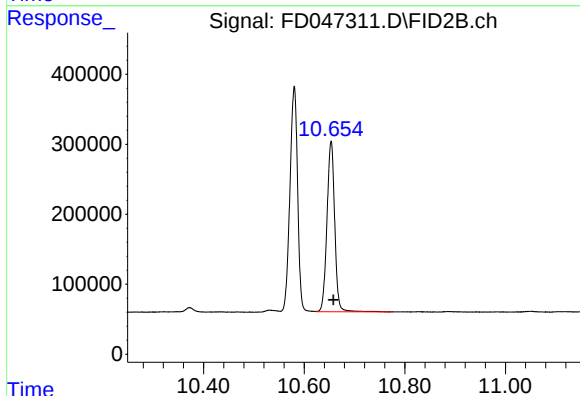
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: -0.003 min
Response: 3386423
Conc: 21.80 ug/ml

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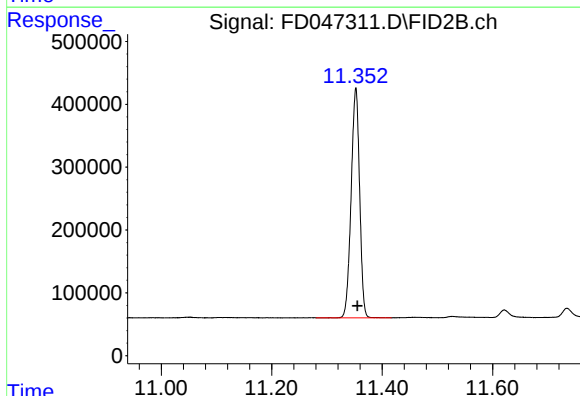
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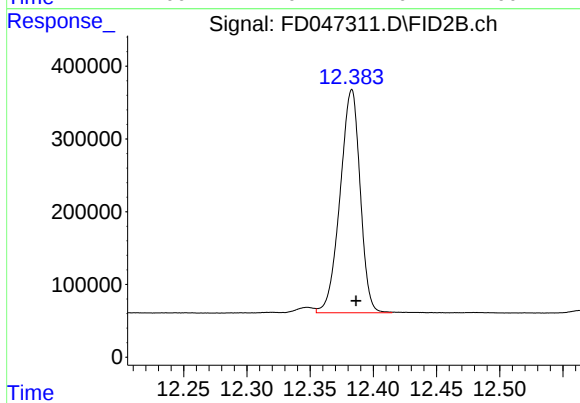
#10 Anthracene (C19.43)

R.T.: 10.653 min
Delta R.T.: -0.004 min
Response: 2602150
Conc: 17.65 ug/ml



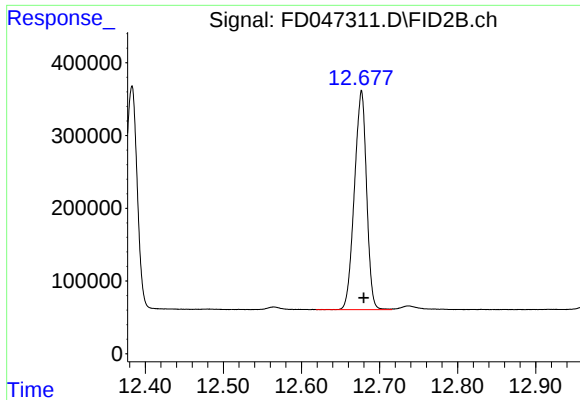
#11 ortho-Terphenyl (SURR)

R.T.: 11.352 min
Delta R.T.: -0.003 min
Response: 3887976
Conc: 22.04 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.383 min
Delta R.T.: -0.003 min
Response: 3387973
Conc: 21.88 ug/ml m



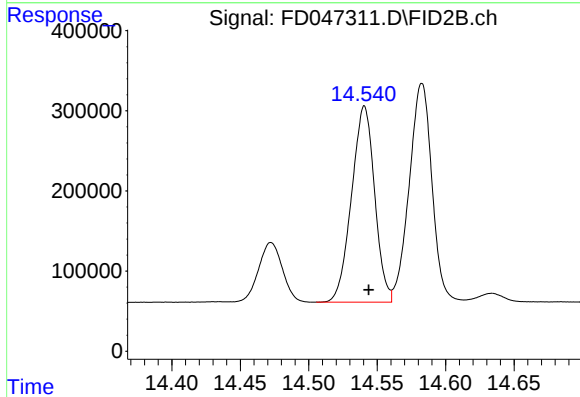
#13 Pyrene (C20.8)

R.T.: 12.677 min
Delta R.T.: -0.003 min
Response: 3260631
Conc: 21.68 ug/ml

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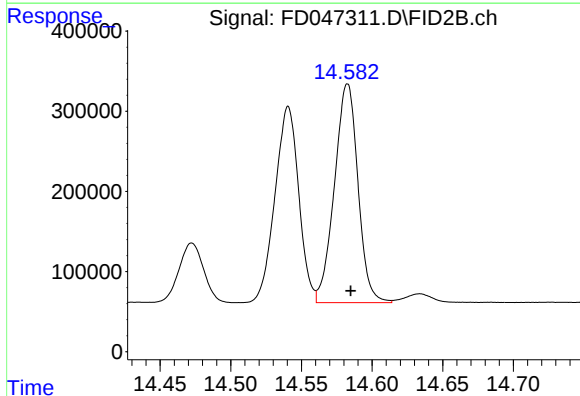
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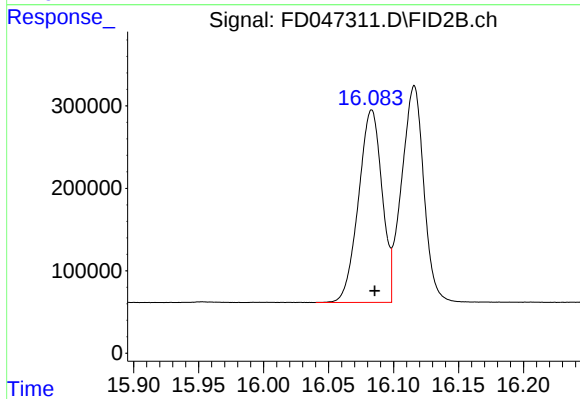
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.541 min
Delta R.T.: -0.003 min
Response: 2870663
Conc: 21.36 ug/ml



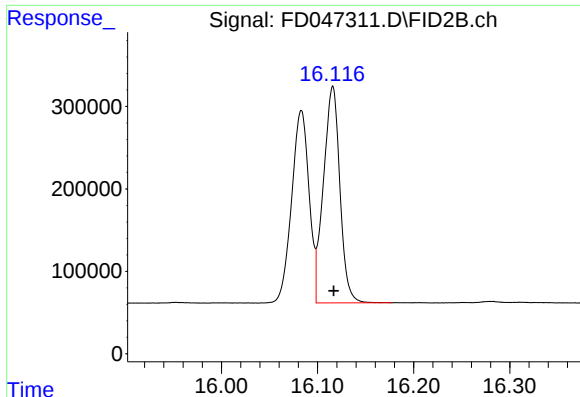
#15 Chrysene (C27.41)

R.T.: 14.583 min
Delta R.T.: -0.003 min
Response: 3166083
Conc: 21.62 ug/ml



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

R.T.: 16.083 min
Delta R.T.: -0.003 min
Response: 2942596
Conc: 21.37 ug/ml



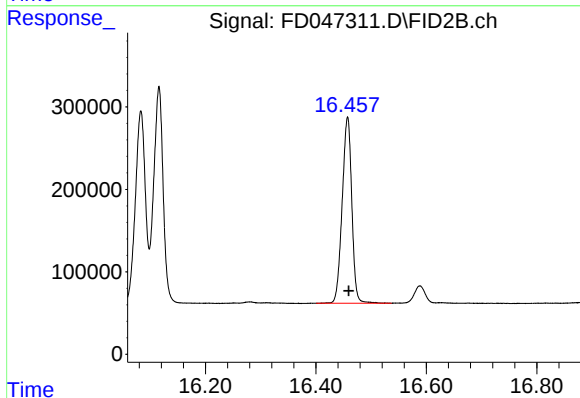
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.116 min
Delta R.T.: -0.001 min
Response: 3126548
Conc: 22.53 ug/ml

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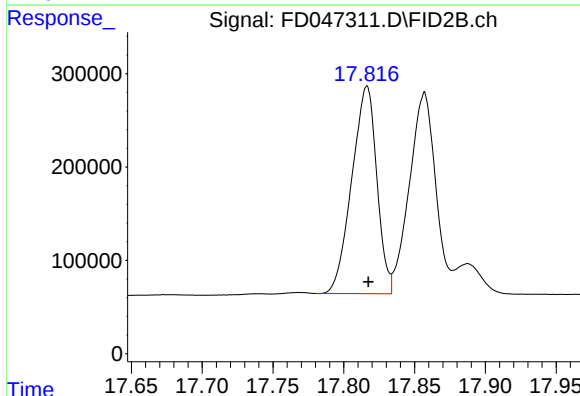
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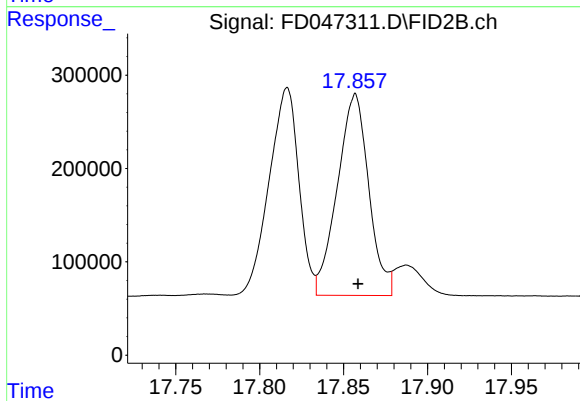
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.457 min
Delta R.T.: -0.002 min
Response: 2731585
Conc: 20.18 ug/ml



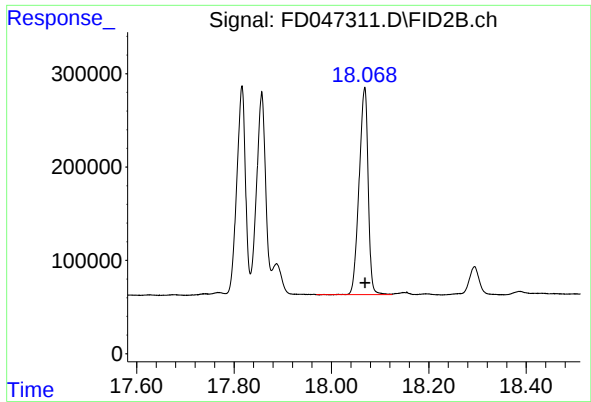
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.816 min
Delta R.T.: -0.001 min
Response: 2735312
Conc: 21.67 ug/ml



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

R.T.: 17.857 min
Delta R.T.: -0.002 min
Response: 2807782
Conc: 21.07 ug/ml



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

R.T.: 18.068 min
Delta R.T.: 0.000 min
Response: 2867336
Conc: 21.62 ug/ml

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