

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060624AR\
 Data File : FD047874.D
 Signal(s) : FID2B.ch
 Acq On : 06 Jun 2024 07:13
 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 06/07/2024
 Supervised By :Ankita Jodhani 06/07/2024

Integration File: autoint1.e
 Quant Time: Jun 07 04:23:58 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 052124.M
 Quant Title : GC Extractables
 QLast Update : Tue May 21 19:00:48 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...	7.432	2875826	20.484 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
6) S 2-Fluorobiphenyl (SURR)	8.285	1894838	20.460 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.92%
11) S ortho-Terphenyl (SURR)	11.323	3287288	20.560 ug/ml
Spiked Amount 50.000		Recovery =	41.12%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.247	3225918	20.425 ug/ml
2) T Naphthalene (C11.7)	5.771	3358953	20.578 ug/ml
3) T 2-Methylnaphthalene (...)	6.819	3369877	20.451 ug/ml
5) T Acenaphthylene (C15.06)	8.087	3304299	20.217 ug/ml
7) T Acenaphthene (C15.5)	8.382	3349886	20.516 ug/ml
8) T Flouorene (C16.55)	9.161	3180988	20.221 ug/ml
9) T Phenanthrene (C19.36)	10.550	3140802	20.368 ug/ml
10) T Anthracene (C19.43)	10.625	2668418	17.750 ug/ml
12) T Fluoranthene (C21.85)	12.355	3138770	20.683 ug/ml
13) T Pyrene (C20.8)	12.649	3116736	20.674 ug/ml
14) T Benzo[a]anthracene (C...	14.519	2705383	19.735 ug/mlm
15) T Chrysene (C27.41)	14.561	3011916	20.445 ug/ml
16) T benzo[b]fluoranthene ...	16.066	2883471	20.488 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.098	2794490	20.521 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.442	2730923	19.730 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.806	2033746	17.642 ug/mlm
20) T Dibenz[a,h]anthracene...	17.847	2519329	18.893 ug/ml
21) T Benzo[g,h,i]perylene ...	18.057	2557588	19.232 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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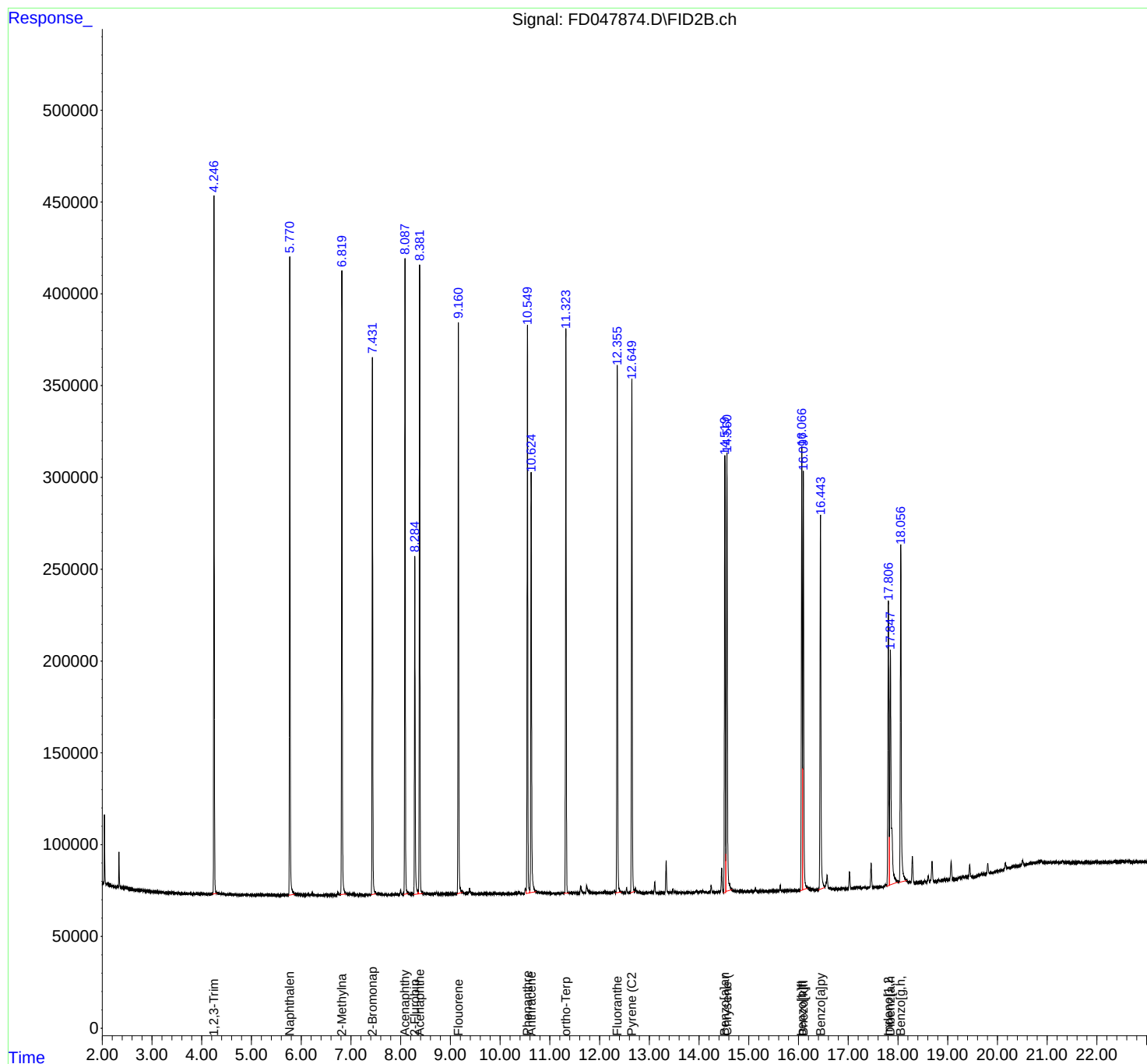
Instrument :
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20 PPM AROMATIC HC STD

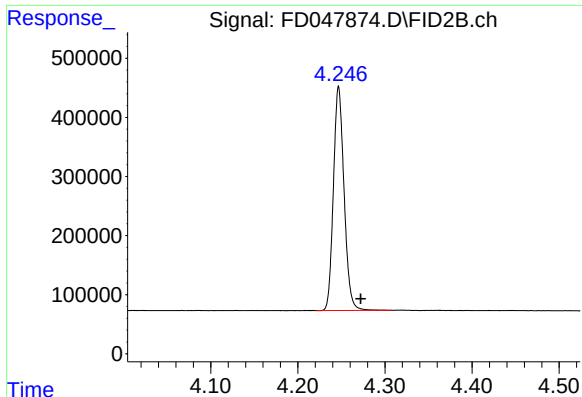
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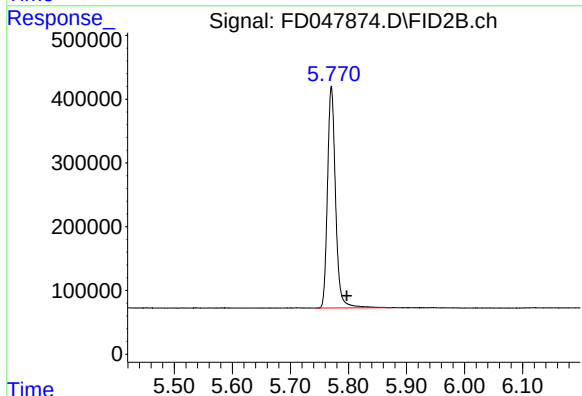
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.247 min
Delta R.T.: -0.025 min
Response: 3225918
Conc: 20.43 ug/ml

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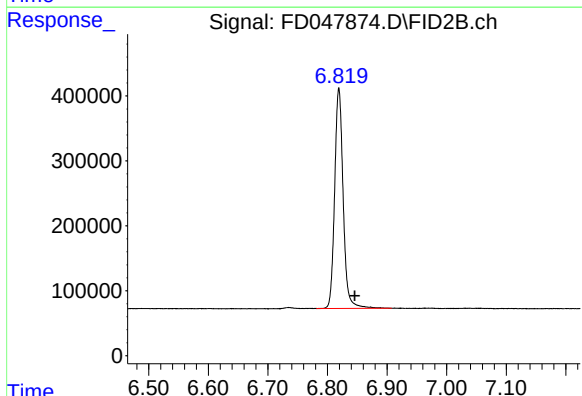
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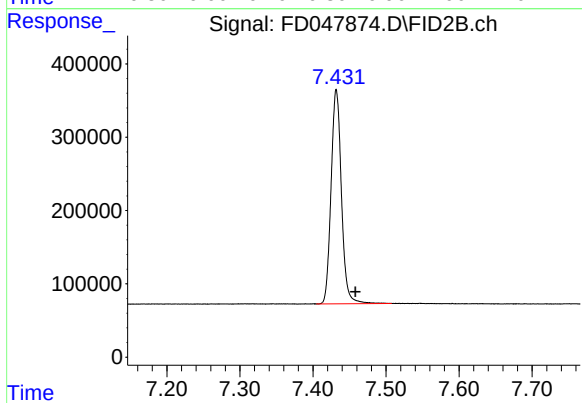
#2 Naphthalene (C11.7)

R.T.: 5.771 min
Delta R.T.: -0.026 min
Response: 3358953
Conc: 20.58 ug/ml



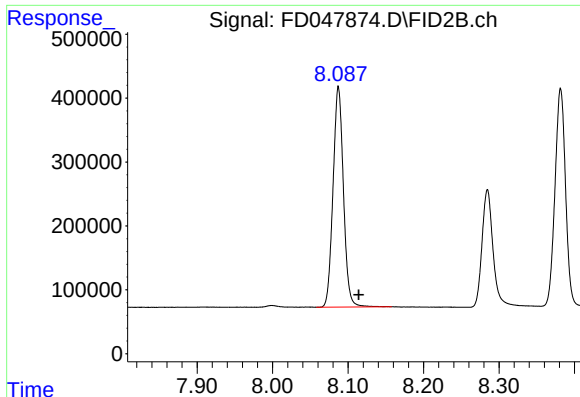
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.819 min
Delta R.T.: -0.027 min
Response: 3369877
Conc: 20.45 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.432 min
Delta R.T.: -0.026 min
Response: 2875826
Conc: 20.48 ug/ml



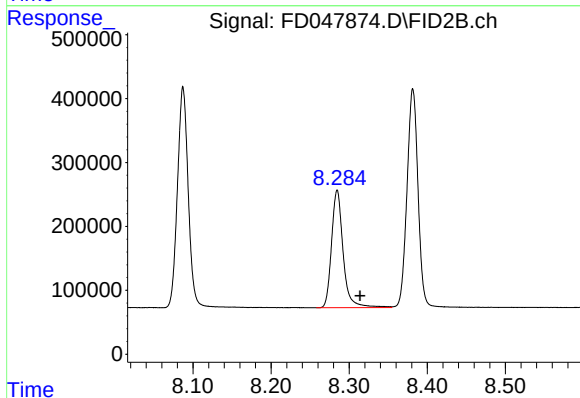
#5 Acenaphthylene (C15.06)

R.T.: 8.087 min
Delta R.T.: -0.027 min
Response: 3304299
Conc: 20.22 ug/ml

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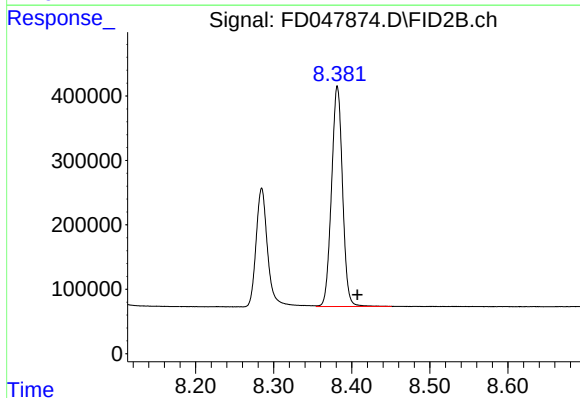
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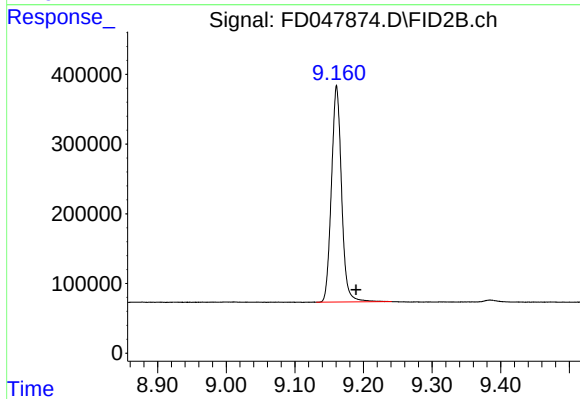
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.285 min
Delta R.T.: -0.029 min
Response: 1894838
Conc: 20.46 ug/ml



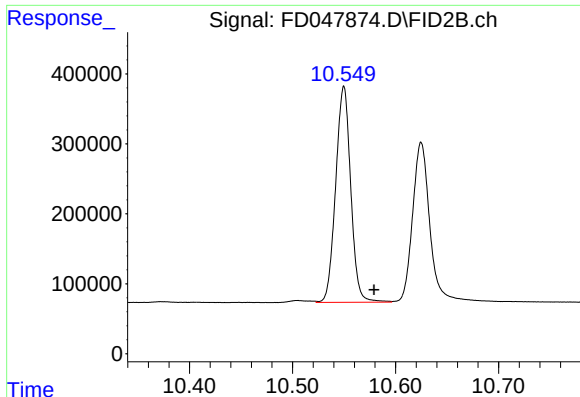
#7 Acenaphthene (C15.5)

R.T.: 8.382 min
Delta R.T.: -0.026 min
Response: 3349886
Conc: 20.52 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.161 min
Delta R.T.: -0.028 min
Response: 3180988
Conc: 20.22 ug/ml



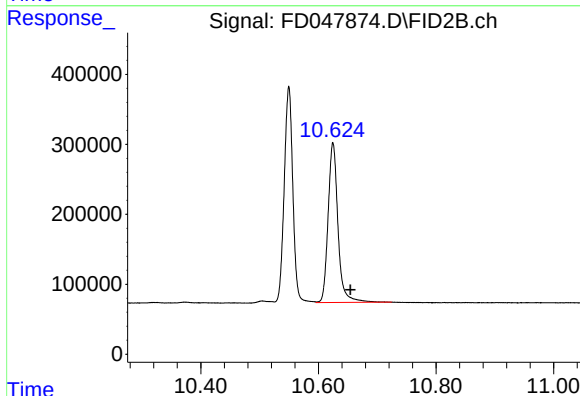
#9 Phenanthrene (C19.36)

R.T.: 10.550 min
Delta R.T.: -0.029 min
Response: 3140802
Conc: 20.37 ug/ml

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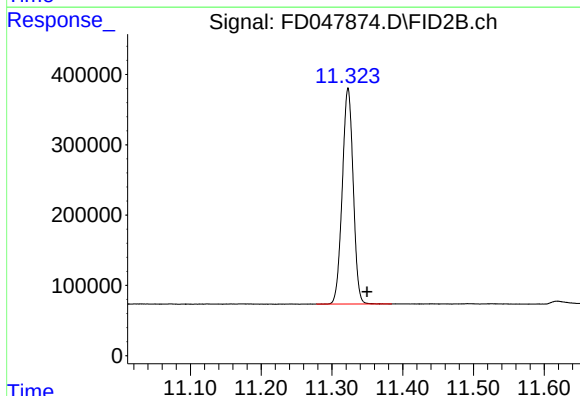
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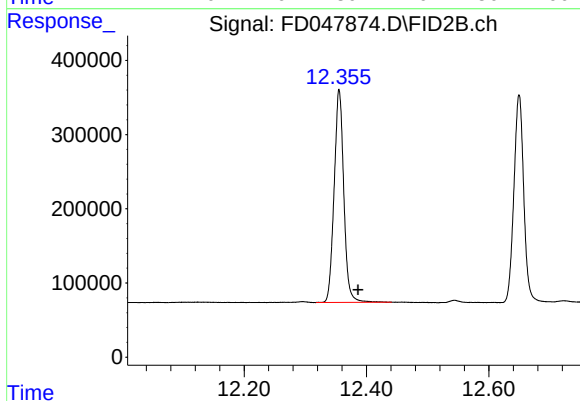
#10 Anthracene (C19.43)

R.T.: 10.625 min
Delta R.T.: -0.030 min
Response: 2668418
Conc: 17.75 ug/ml



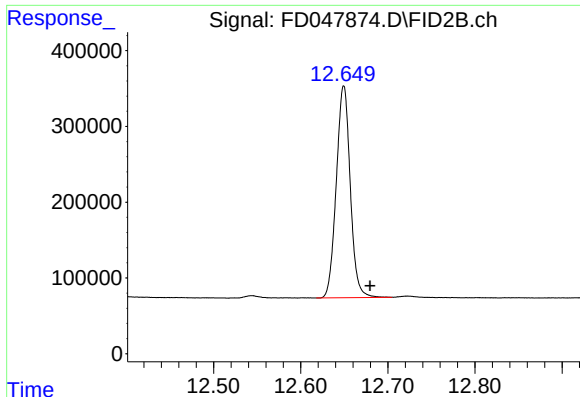
#11 ortho-Terphenyl (SURR)

R.T.: 11.323 min
Delta R.T.: -0.027 min
Response: 3287288
Conc: 20.56 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.355 min
Delta R.T.: -0.031 min
Response: 3138770
Conc: 20.68 ug/ml



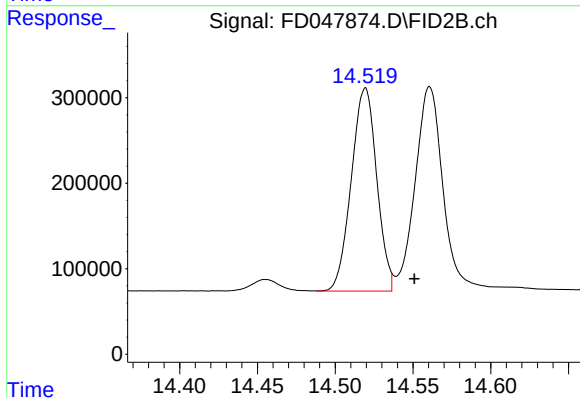
#13 Pyrene (C20.8)

R.T.: 12.649 min
Delta R.T.: -0.030 min
Response: 3116736
Conc: 20.67 ug/ml

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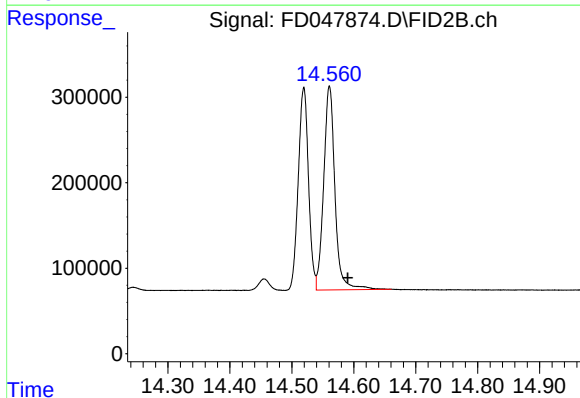
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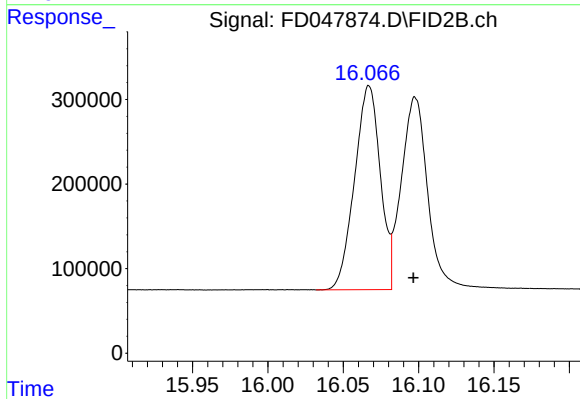
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.519 min
Delta R.T.: -0.032 min
Response: 2705383
Conc: 19.74 ug/ml m



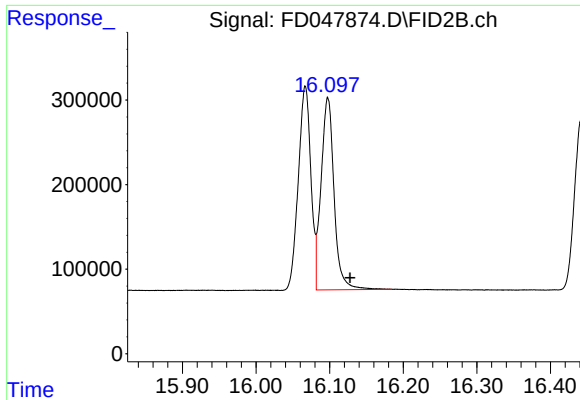
#15 Chrysene (C27.41)

R.T.: 14.561 min
Delta R.T.: -0.030 min
Response: 3011916
Conc: 20.44 ug/ml



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

R.T.: 16.066 min
Delta R.T.: -0.030 min
Response: 2883471
Conc: 20.49 ug/ml m



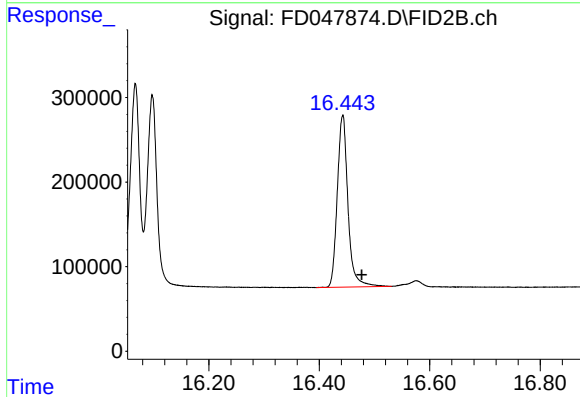
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.098 min
Delta R.T.: -0.030 min
Response: 2794490
Conc: 20.52 ug/ml

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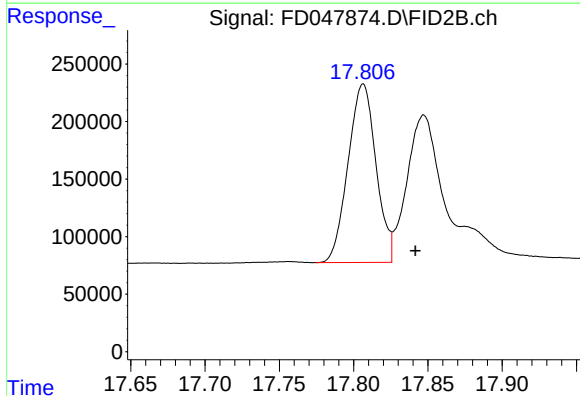
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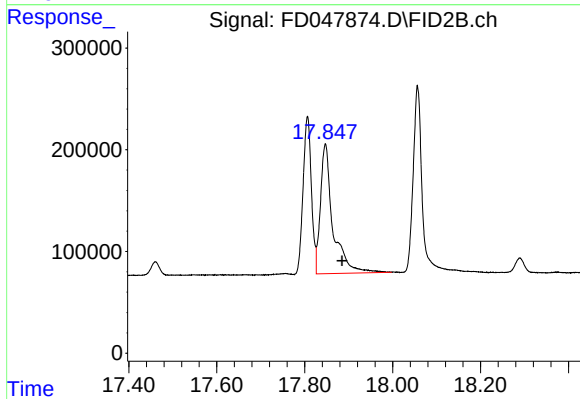
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.442 min
Delta R.T.: -0.035 min
Response: 2730923
Conc: 19.73 ug/ml



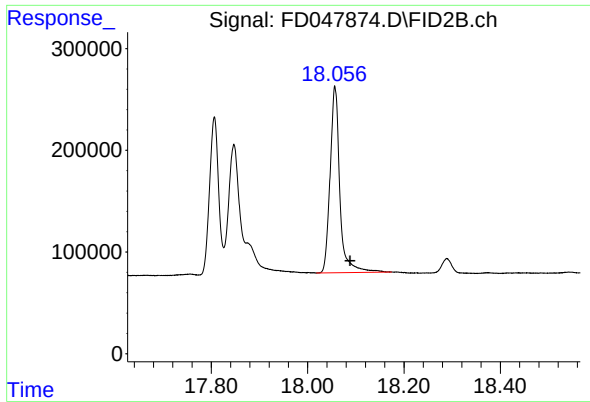
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.806 min
Delta R.T.: -0.035 min
Response: 2033746
Conc: 17.64 ug/ml m



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

R.T.: 17.847 min
Delta R.T.: -0.038 min
Response: 2519329
Conc: 18.89 ug/ml



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

R.T.: 18.057 min
Delta R.T.: -0.031 min
Response: 2557588
Conc: 19.23 ug/ml

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