

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD060524AR\
 Data File : FD047865.D
 Signal(s) : FID2B.ch
 Acq On : 05 Jun 2024 15:05
 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 06/06/2024
 Supervised By :Ankita Jodhani 06/06/2024

Integration File: autoint1.e
 Quant Time: Jun 06 03:49:21 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...	7.436	2764431	19.691 ug/ml
Spiked Amount 50.000		Recovery =	39.38%
6) S 2-Fluorobiphenyl (SURR)	8.288	1809609	19.540 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.08%
11) S ortho-Terphenyl (SURR)	11.327	3148076	19.689 ug/ml
Spiked Amount 50.000		Recovery =	39.38%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.252	3106265	19.668 ug/ml
2) T Naphthalene (C11.7)	5.775	3233747	19.811 ug/ml
3) T 2-Methylnaphthalene (...)	6.823	3244140	19.688 ug/ml
5) T Acenaphthylene (C15.06)	8.091	3178854	19.449 ug/ml
7) T Acenaphthene (C15.5)	8.385	3207475	19.644 ug/ml
8) T Flouorene (C16.55)	9.164	3045038	19.356 ug/ml
9) T Phenanthrene (C19.36)	10.554	3014740	19.550 ug/ml
10) T Anthracene (C19.43)	10.629	2540859	16.901 ug/ml
12) T Fluoranthene (C21.85)	12.360	2988185	19.691 ug/ml
13) T Pyrene (C20.8)	12.654	2972308	19.716 ug/ml
14) T Benzo[a]anthracene (C...	14.522	2557632	18.657 ug/mlm
15) T Chrysene (C27.41)	14.565	2893220	19.639 ug/ml
16) T benzo[b]fluoranthene ...	16.070	2685075	19.078 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.101	2643205	19.410 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.447	2569788	18.566 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.809	1876047	16.274 ug/mlm
20) T Dibenz[a,h]anthracene...	17.851	2290097	17.174 ug/ml
21) T Benzo[g,h,i]perylene ...	18.060	2387381	17.952 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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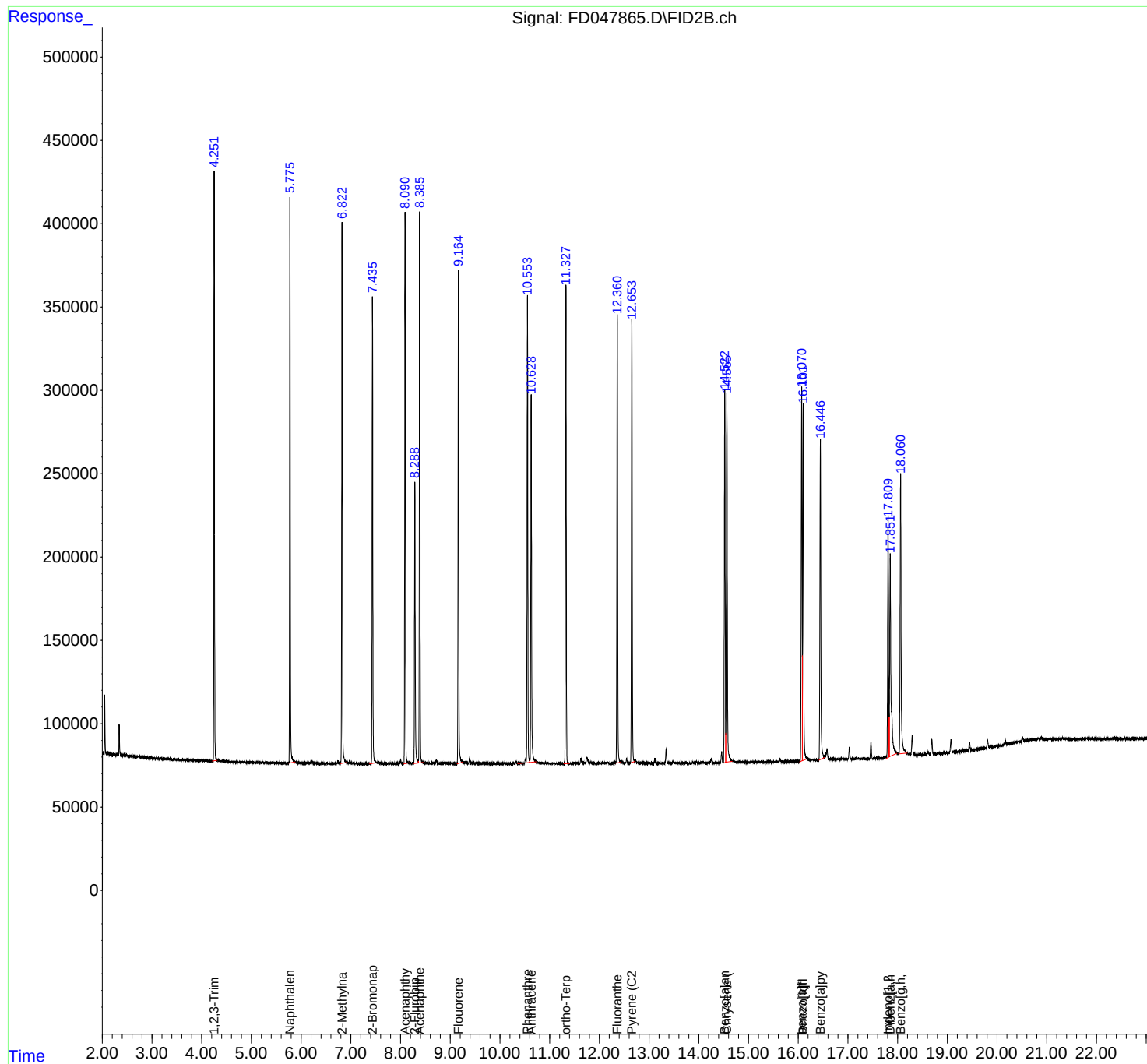
Instrument :
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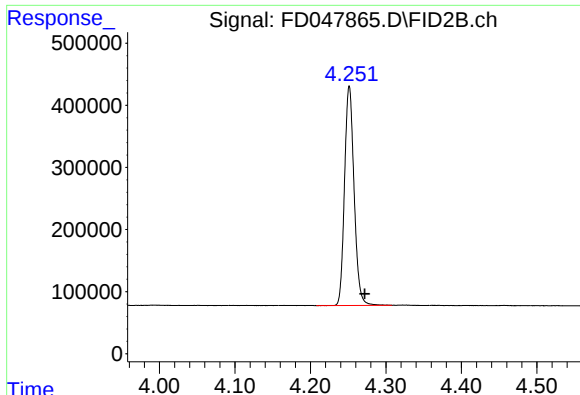
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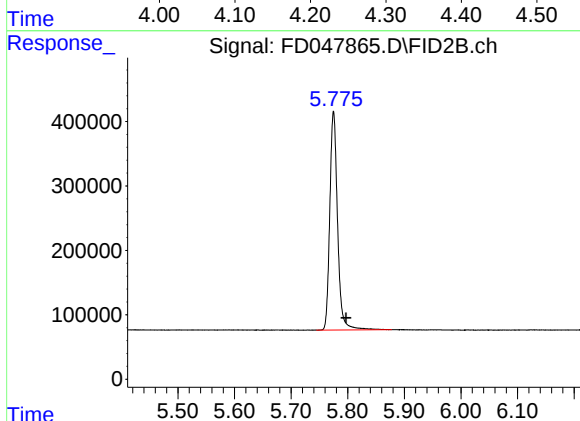
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.252 min
Delta R.T.: -0.020 min
Response: 3106265
Conc: 19.67 ug/ml

Instrument :
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20 PPM AROMATIC HC STD

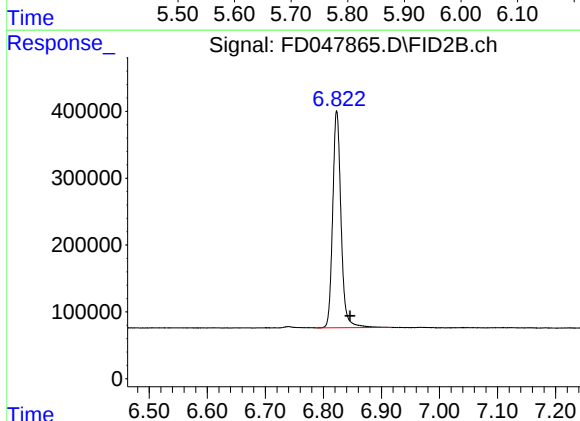
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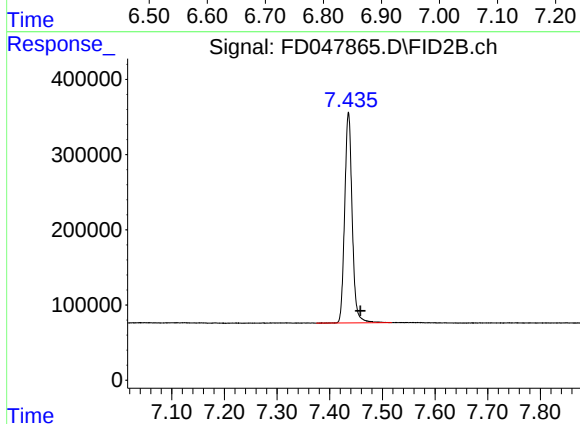
#2 Naphthalene (C11.7)

R.T.: 5.775 min
Delta R.T.: -0.022 min
Response: 3233747
Conc: 19.81 ug/ml



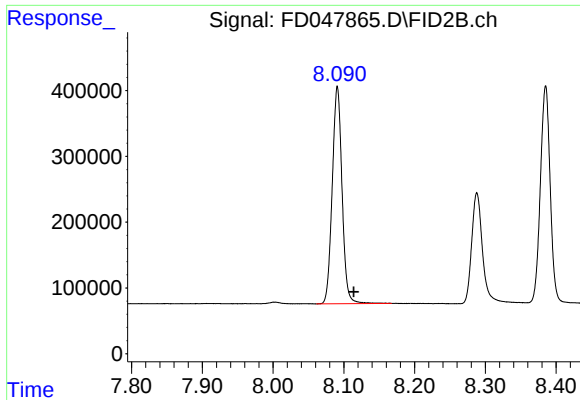
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.823 min
Delta R.T.: -0.023 min
Response: 3244140
Conc: 19.69 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.436 min
Delta R.T.: -0.023 min
Response: 2764431
Conc: 19.69 ug/ml



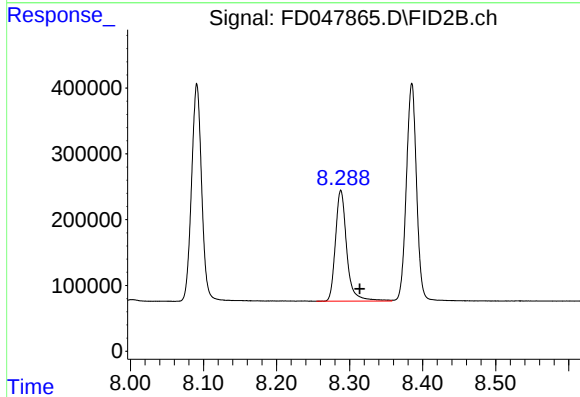
#5 Acenaphthylene (C15.06)

R.T.: 8.091 min
Delta R.T.: -0.023 min
Response: 3178854
Conc: 19.45 ug/ml

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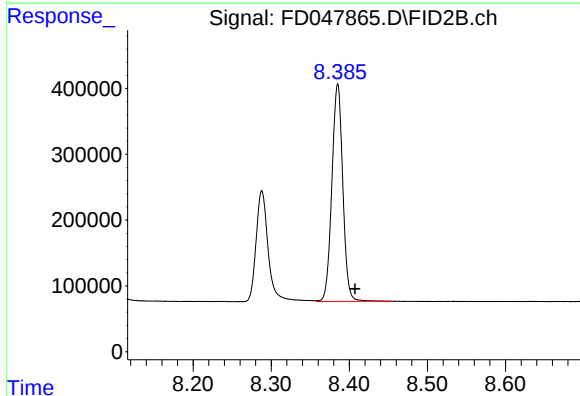
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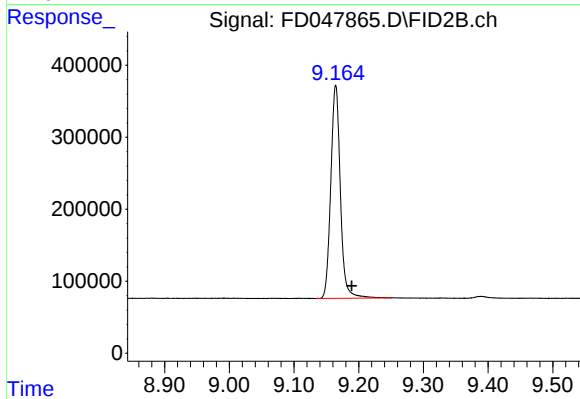
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.288 min
Delta R.T.: -0.026 min
Response: 1809609
Conc: 19.54 ug/ml



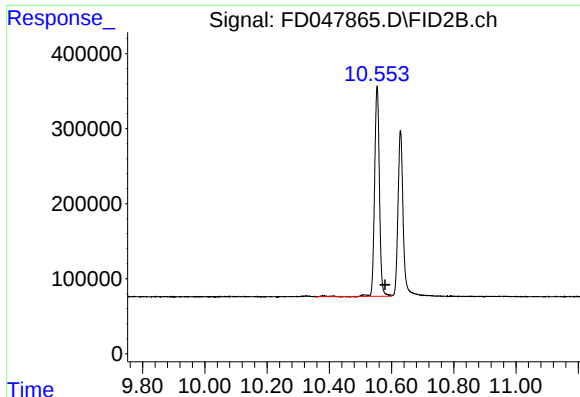
#7 Acenaphthene (C15.5)

R.T.: 8.385 min
Delta R.T.: -0.022 min
Response: 3207475
Conc: 19.64 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.164 min
Delta R.T.: -0.025 min
Response: 3045038
Conc: 19.36 ug/ml



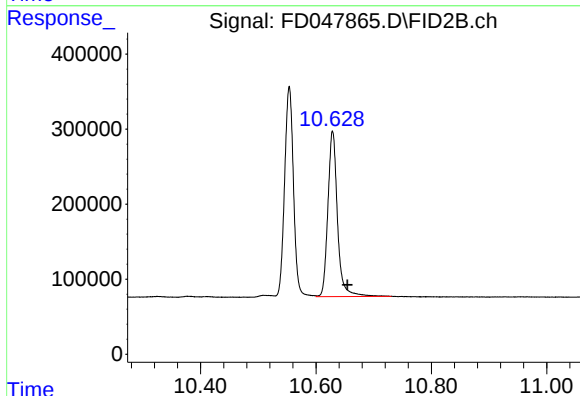
#9 Phenanthrene (C19.36)

R.T.: 10.554 min
Delta R.T.: -0.025 min
Response: 3014740
Conc: 19.55 ug/ml

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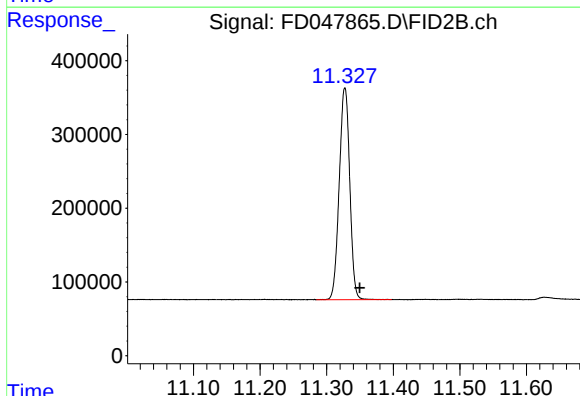
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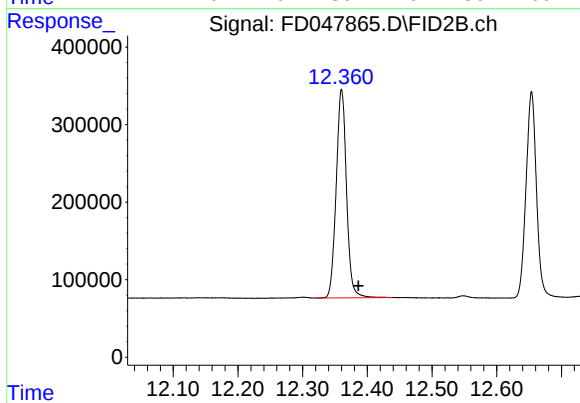
#10 Anthracene (C19.43)

R.T.: 10.629 min
Delta R.T.: -0.026 min
Response: 2540859
Conc: 16.90 ug/ml



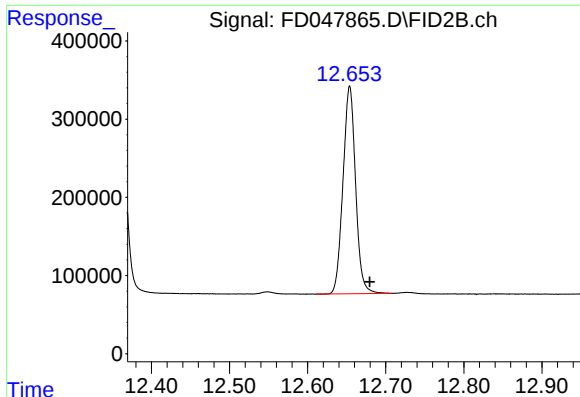
#11 ortho-Terphenyl (SURR)

R.T.: 11.327 min
Delta R.T.: -0.022 min
Response: 3148076
Conc: 19.69 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.360 min
Delta R.T.: -0.026 min
Response: 2988185
Conc: 19.69 ug/ml



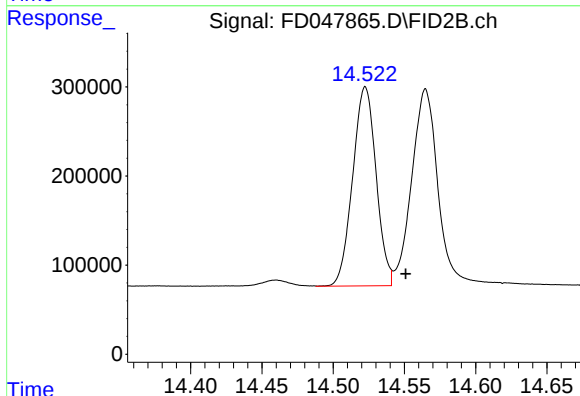
#13 Pyrene (C20.8)

R.T.: 12.654 min
Delta R.T.: -0.026 min
Response: 2972308
Conc: 19.72 ug/ml

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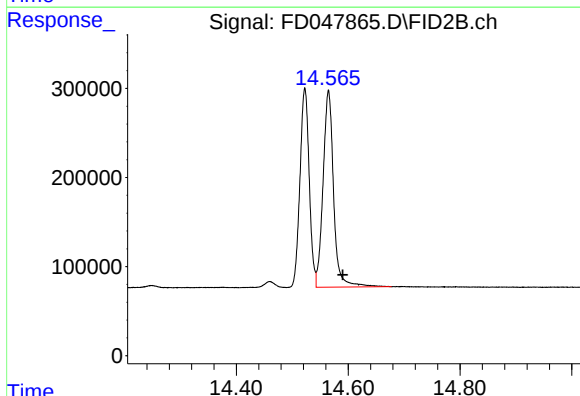
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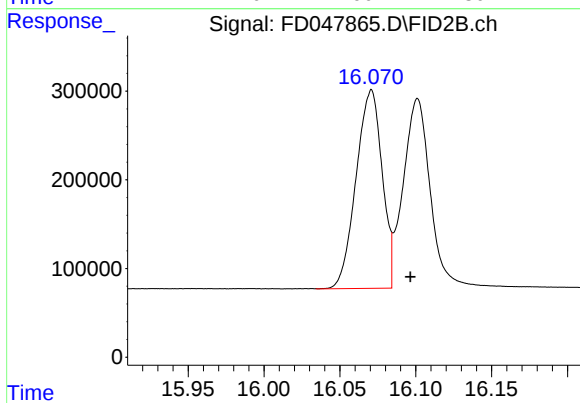
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.522 min
Delta R.T.: -0.029 min
Response: 2557632
Conc: 18.66 ug/ml m



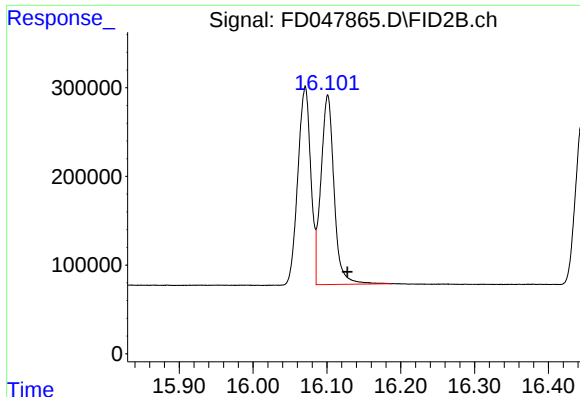
#15 Chrysene (C27.41)

R.T.: 14.565 min
Delta R.T.: -0.026 min
Response: 2893220
Conc: 19.64 ug/ml



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

R.T.: 16.070 min
Delta R.T.: -0.026 min
Response: 2685075
Conc: 19.08 ug/ml m



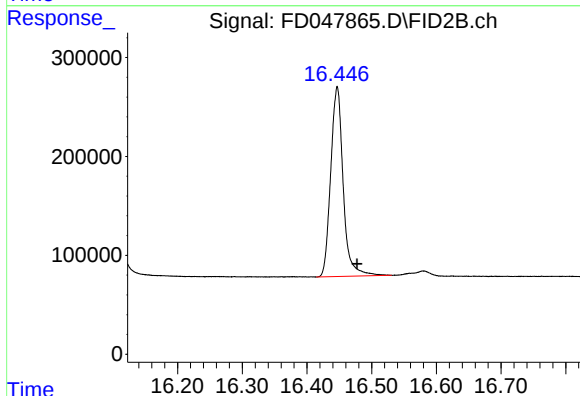
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.101 min
Delta R.T.: -0.027 min
Response: 2643205
Conc: 19.41 ug/ml

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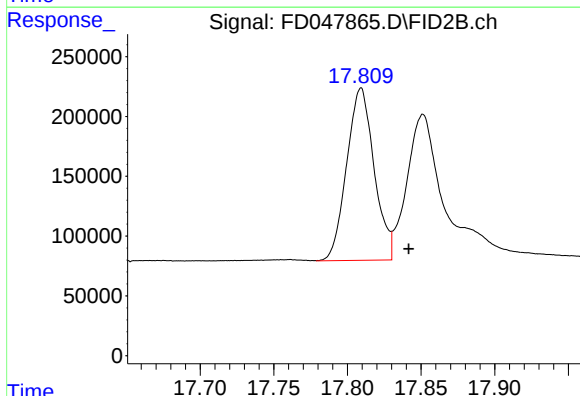
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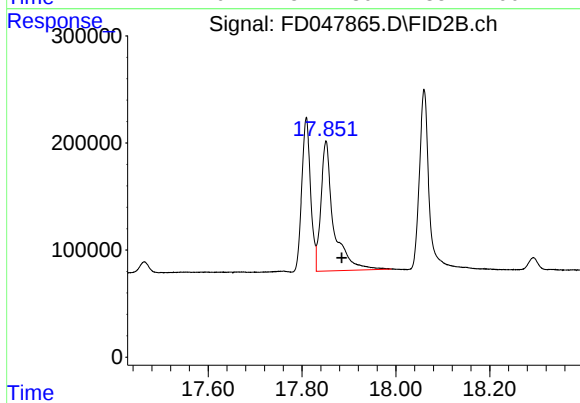
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.447 min
Delta R.T.: -0.031 min
Response: 2569788
Conc: 18.57 ug/ml



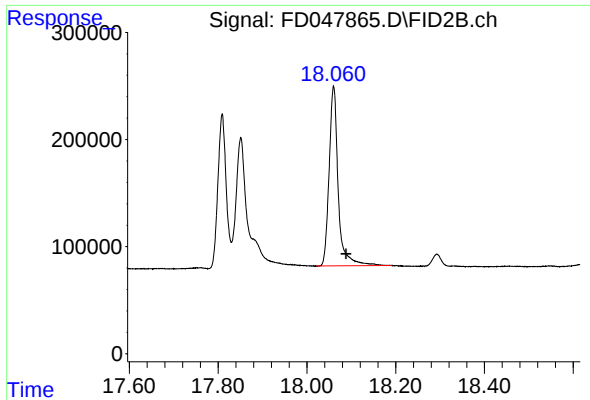
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.809 min
Delta R.T.: -0.032 min
Response: 1876047
Conc: 16.27 ug/ml m



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

R.T.: 17.851 min
Delta R.T.: -0.034 min
Response: 2290097
Conc: 17.17 ug/ml



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

R.T.: 18.060 min
Delta R.T.: -0.028 min
Response: 2387381
Conc: 17.95 ug/ml

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