

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083024AR\
 Data File : FD048258.D
 Signal(s) : FID2B.ch
 Acq On : 30 Aug 2024 13:12
 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 02:52:59 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	2882069	19.309 ug/ml
Spiked Amount 50.000		Recovery =	38.62%
6) S 2-Fluorobiphenyl (SURR)	8.242	1889142	19.737 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.47%
11) S ortho-Terphenyl (SURR)	11.278	3314832	19.679 ug/ml
Spiked Amount 50.000		Recovery =	39.36%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.213	3307446	19.403 ug/ml
2) T Naphthalene (C11.7)	5.732	3381158	19.404 ug/ml
3) T 2-Methylnaphthalene (...)	6.779	3387701	19.480 ug/ml
5) T Acenaphthylene (C15.06)	8.045	3343442	19.418 ug/ml
7) T Acenaphthene (C15.5)	8.339	3401755	19.646 ug/ml
8) T Flouorene (C16.55)	9.118	3275838	19.864 ug/ml
9) T Phenanthrene (C19.36)	10.504	3159355	19.741 ug/ml
10) T Anthracene (C19.43)	10.580	2817690	17.963 ug/ml
12) T Fluoranthene (C21.85)	12.308	3161406	19.856 ug/ml
13) T Pyrene (C20.8)	12.601	3174189	20.226 ug/ml
14) T Benzo[a]anthracene (C...	14.469	2864511	20.335 ug/mlm
15) T Chrysene (C27.41)	14.511	3065961	19.234 ug/ml
16) T benzo[b]fluoranthene ...	16.015	3096819	20.858 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.046	2840968	19.151 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.390	2993718	20.328 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.753	2587827	21.171 ug/ml
20) T Dibenz[a,h]anthracene...	17.793	3280027	21.472 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.003	2897094	19.185 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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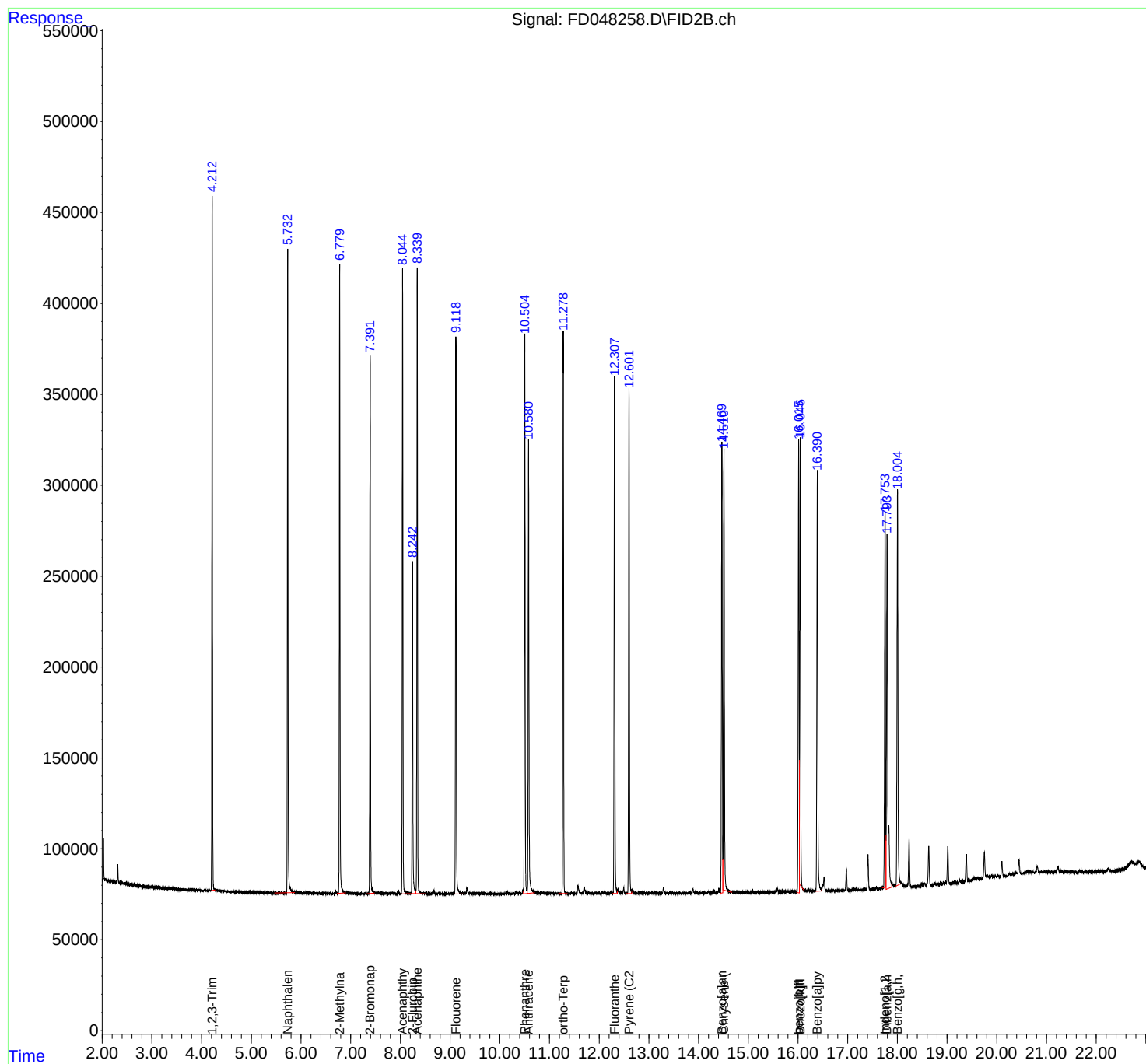
Instrument :
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20 PPM AROMATIC HC STD

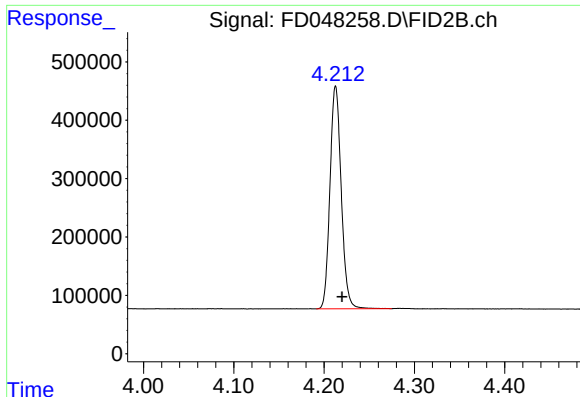
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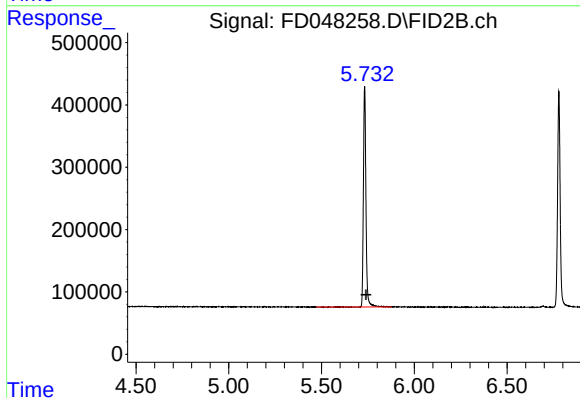
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.213 min
Delta R.T.: -0.007 min
Response: 3307446
Conc: 19.40 ug/ml

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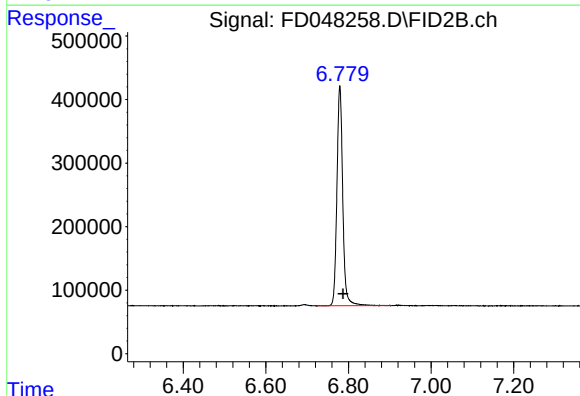
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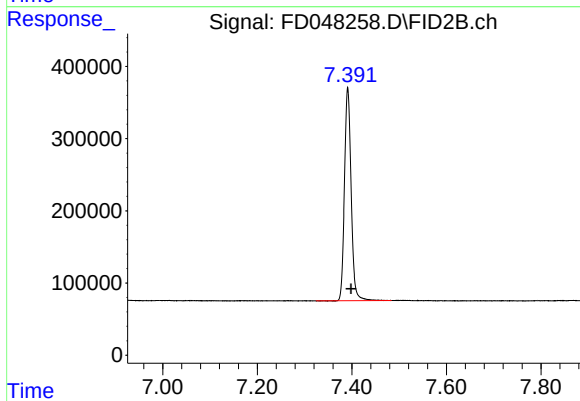
#2 Naphthalene (C11.7)

R.T.: 5.732 min
Delta R.T.: -0.008 min
Response: 3381158
Conc: 19.40 ug/ml



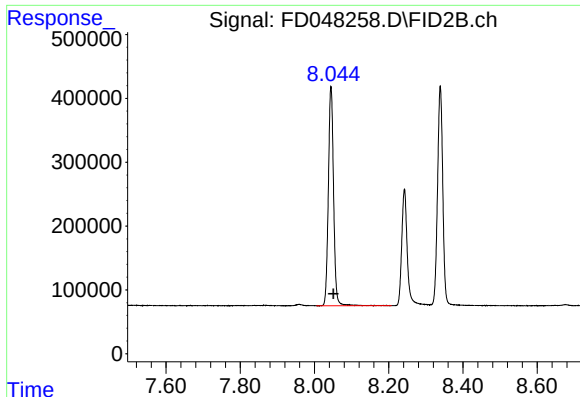
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.779 min
Delta R.T.: -0.007 min
Response: 3387701
Conc: 19.48 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.392 min
Delta R.T.: -0.007 min
Response: 2882069
Conc: 19.31 ug/ml



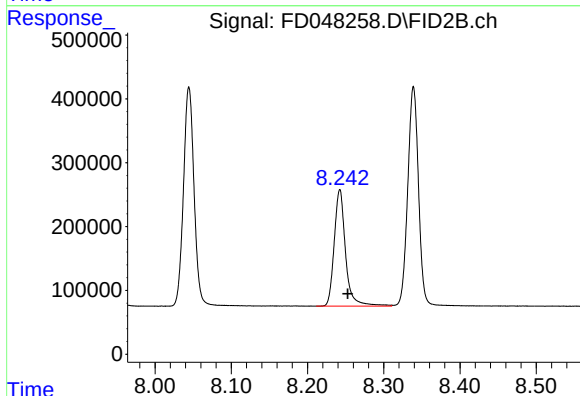
#5 Acenaphthylene (C15.06)

R.T.: 8.045 min
Delta R.T.: -0.007 min
Response: 3343442
Conc: 19.42 ug/ml

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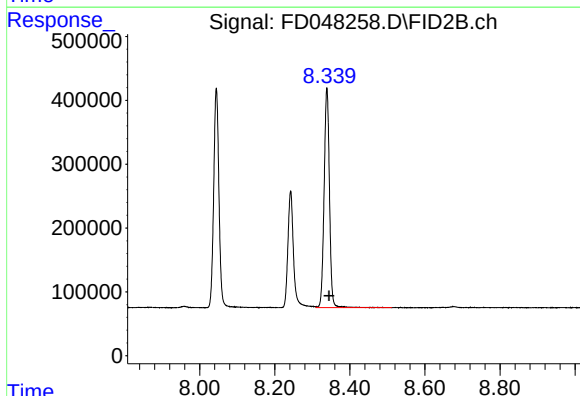
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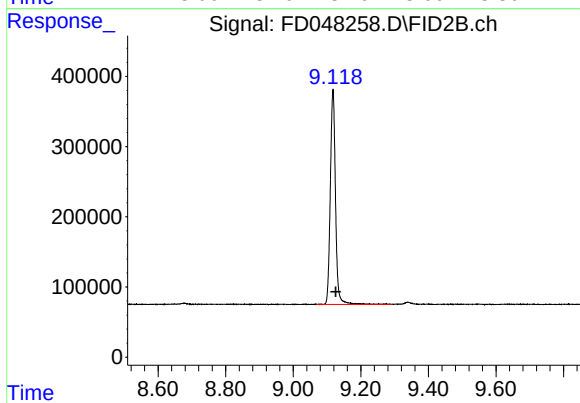
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.242 min
Delta R.T.: -0.010 min
Response: 1889142
Conc: 19.74 ug/ml



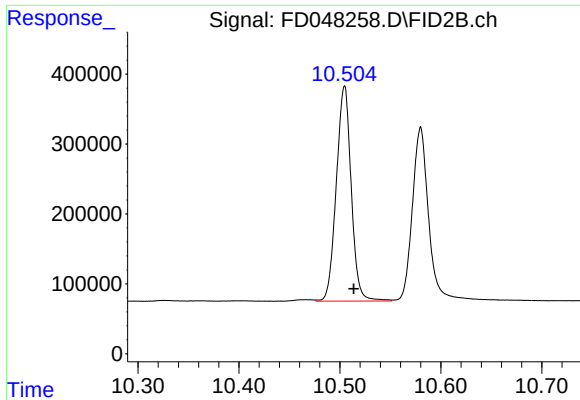
#7 Acenaphthene (C15.5)

R.T.: 8.339 min
Delta R.T.: -0.006 min
Response: 3401755
Conc: 19.65 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.118 min
Delta R.T.: -0.008 min
Response: 3275838
Conc: 19.86 ug/ml



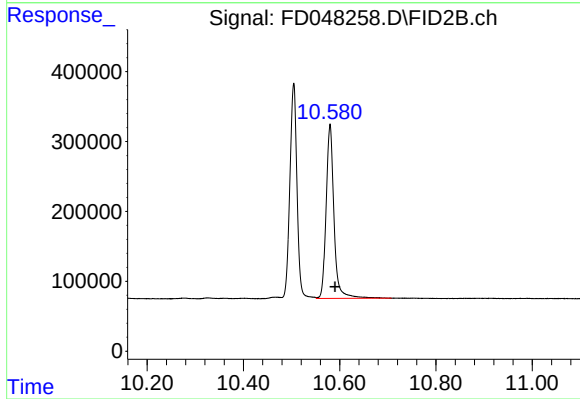
#9 Phenanthrene (C19.36)

R.T.: 10.504 min
Delta R.T.: -0.009 min
Response: 3159355
Conc: 19.74 ug/ml

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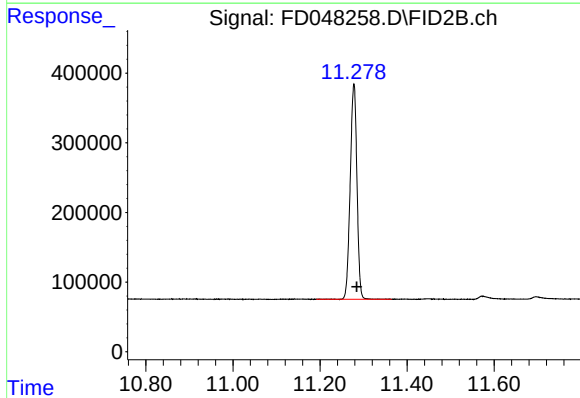
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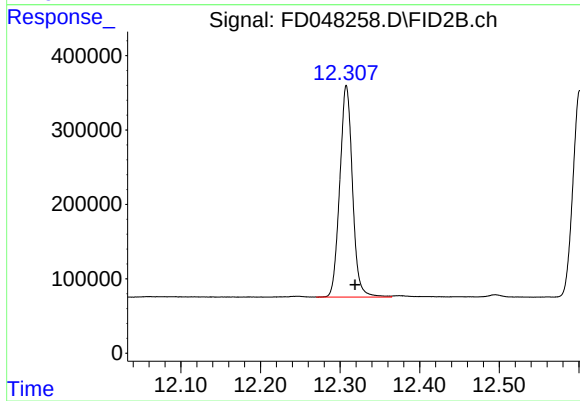
#10 Anthracene (C19.43)

R.T.: 10.580 min
Delta R.T.: -0.011 min
Response: 2817690
Conc: 17.96 ug/ml



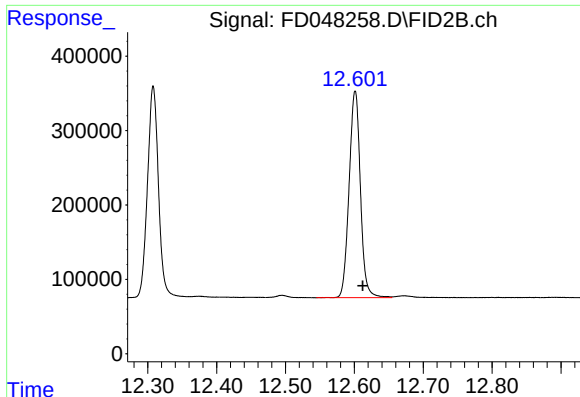
#11 ortho-Terphenyl (SURR)

R.T.: 11.278 min
Delta R.T.: -0.006 min
Response: 3314832
Conc: 19.68 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.308 min
Delta R.T.: -0.011 min
Response: 3161406
Conc: 19.86 ug/ml



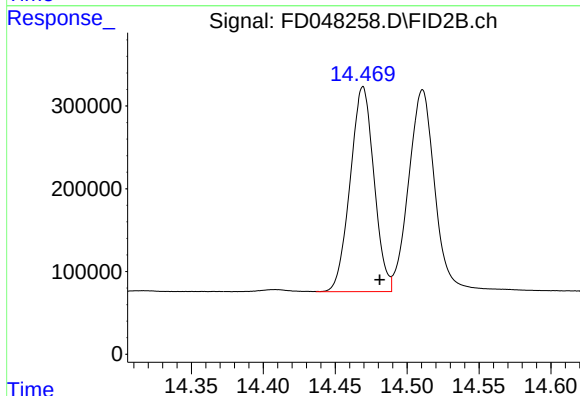
#13 Pyrene (C20.8)

R.T.: 12.601 min
Delta R.T.: -0.011 min
Response: 3174189
Conc: 20.23 ug/ml

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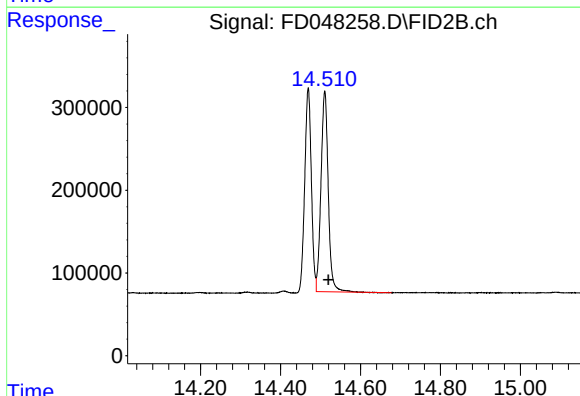
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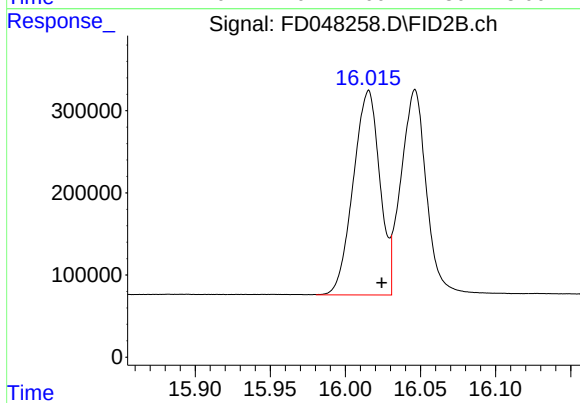
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.469 min
Delta R.T.: -0.012 min
Response: 2864511
Conc: 20.34 ug/ml m



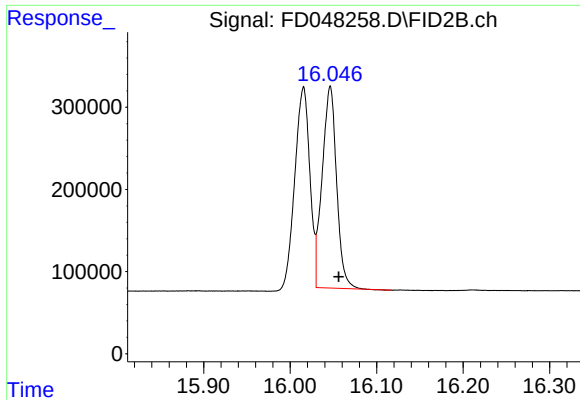
#15 Chrysene (C27.41)

R.T.: 14.511 min
Delta R.T.: -0.009 min
Response: 3065961
Conc: 19.23 ug/ml



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

R.T.: 16.015 min
Delta R.T.: -0.009 min
Response: 3096819
Conc: 20.86 ug/ml m



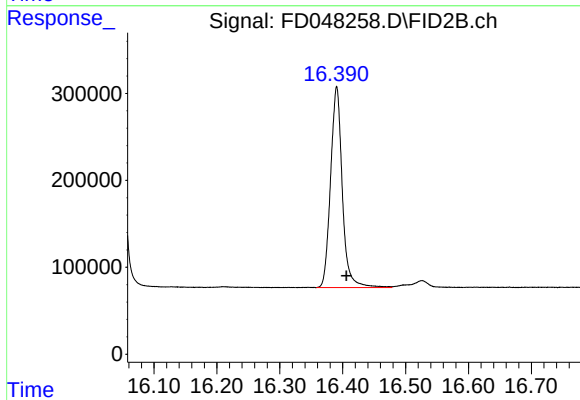
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.046 min
Delta R.T.: -0.010 min
Response: 2840968
Conc: 19.15 ug/ml

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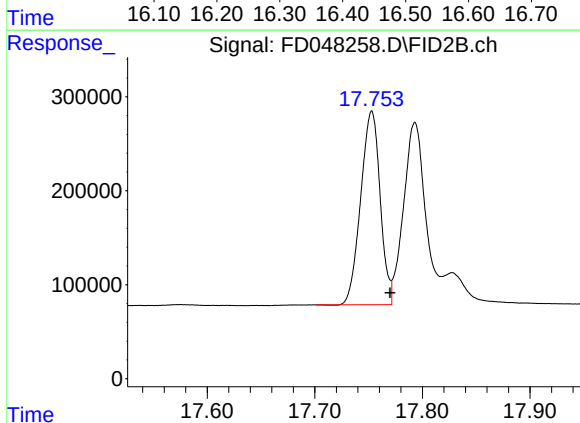
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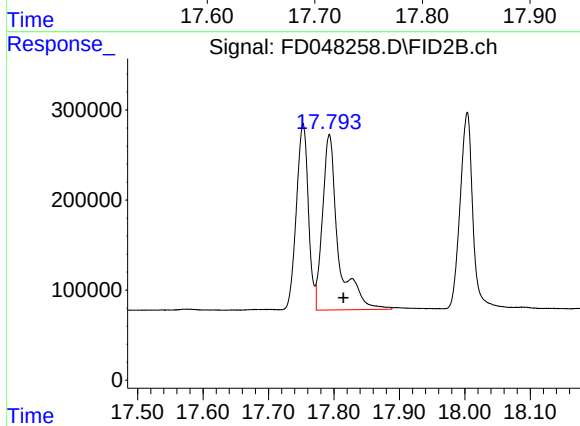
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.390 min
Delta R.T.: -0.016 min
Response: 2993718
Conc: 20.33 ug/ml



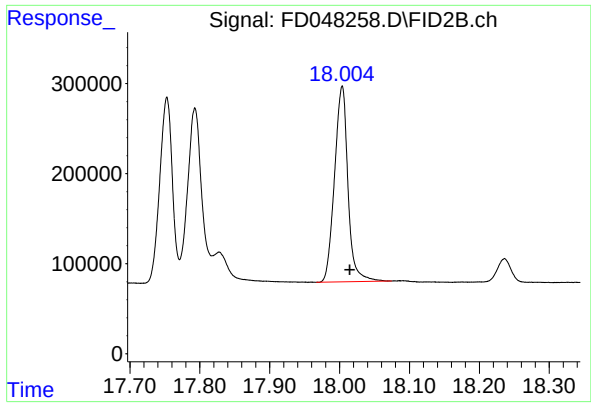
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.753 min
Delta R.T.: -0.017 min
Response: 2587827
Conc: 21.17 ug/ml



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

R.T.: 17.793 min
Delta R.T.: -0.022 min
Response: 3280027
Conc: 21.47 ug/ml m



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

R.T.: 18.003 min
Delta R.T.: -0.011 min
Response: 2897094
Conc: 19.18 ug/ml

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