

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD111124AR\
 Data File : FD048705.D
 Signal(s) : FID2B.ch
 Acq On : 12 Nov 2024 01:09
 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 11/12/2024
 Supervised By :Ankita Jodhani 11/12/2024

Integration File: autoint1.e
 Quant Time: Nov 12 02:23:52 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 102324.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 23 18:14:59 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...	7.394	3107836	20.476 ug/ml
Spiked Amount 50.000		Recovery =	40.95%
6) S 2-Fluorobiphenyl (SURR)	8.250	2068266	21.064 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.13%
11) S ortho-Terphenyl (SURR)	11.285	3495933	20.523 ug/ml
Spiked Amount 50.000		Recovery =	41.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.211	3560279	20.465 ug/ml
2) T Naphthalene (C11.7)	5.735	3652534	20.470 ug/ml
3) T 2-Methylnaphthalene (...)	6.784	3675188	20.547 ug/ml
5) T Acenaphthylene (C15.06)	8.052	3583330	20.407 ug/ml
7) T Acenaphthene (C15.5)	8.346	3607297	20.338 ug/ml
8) T Fluorene (C16.55)	9.127	3511662	20.775 ug/ml
9) T Phenanthrene (C19.36)	10.518	3407349	20.612 ug/mlm
10) T Anthracene (C19.43)	10.593	3007294	18.806 ug/ml
12) T Fluoranthene (C21.85)	12.326	3443193	20.921 ug/ml
13) T Pyrene (C20.8)	12.620	3393143	21.065 ug/ml
14) T Benzo[a]anthracene (C...	14.493	3190160	21.818 ug/ml
15) T Chrysene (C27.41)	14.534	3402081	20.682 ug/mlm
16) T benzo[b]fluoranthene ...	16.044	3291848	21.653 ug/ml
17) T Bnezo[k]fluoranthene ...	16.075	3185187	21.192 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.420	3278070	21.782 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.788	2981586	22.851 ug/ml
20) T Dibenz[a,h]anthracene...	17.827	3471909	21.335 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.039	3244829	21.195 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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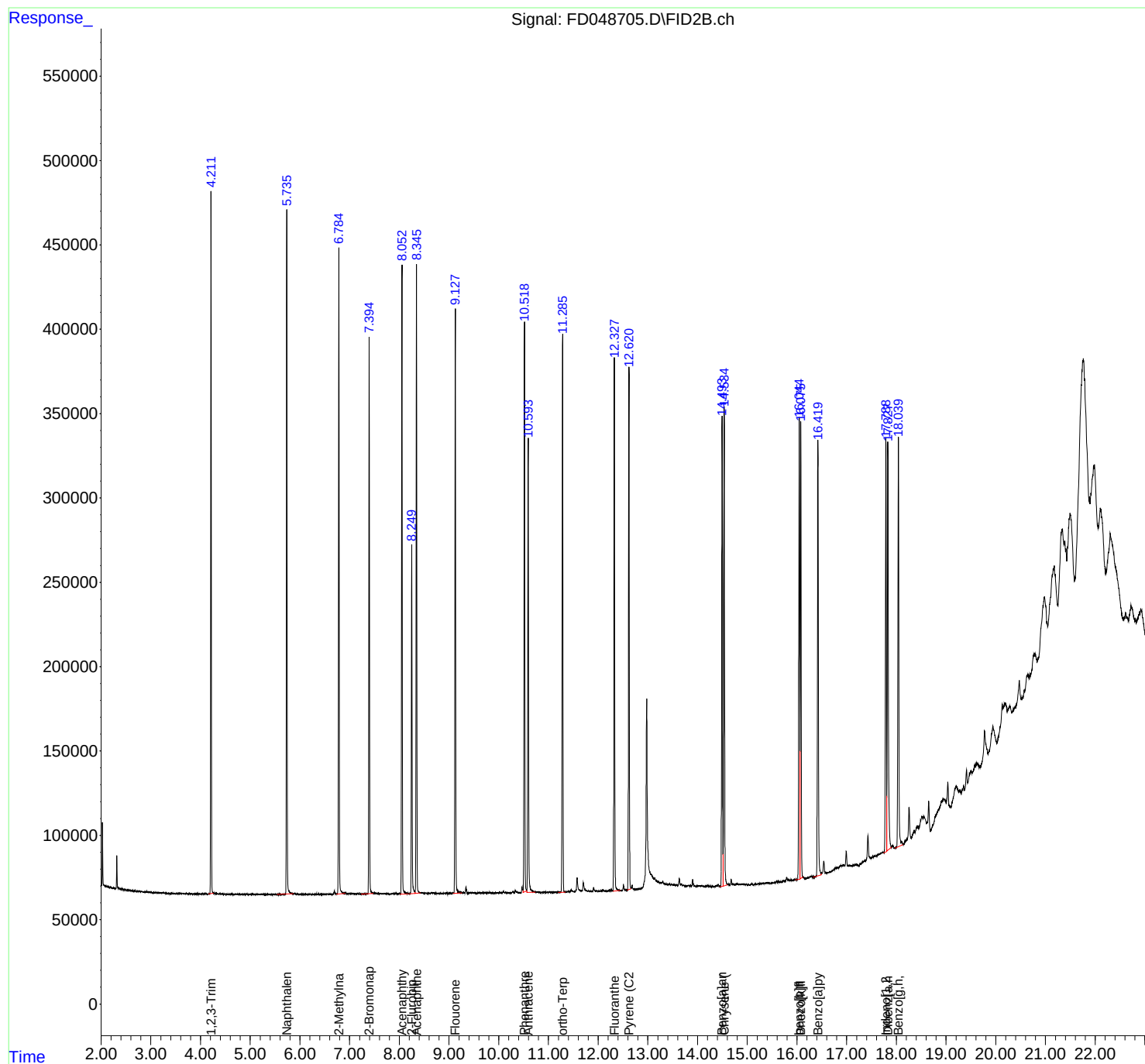
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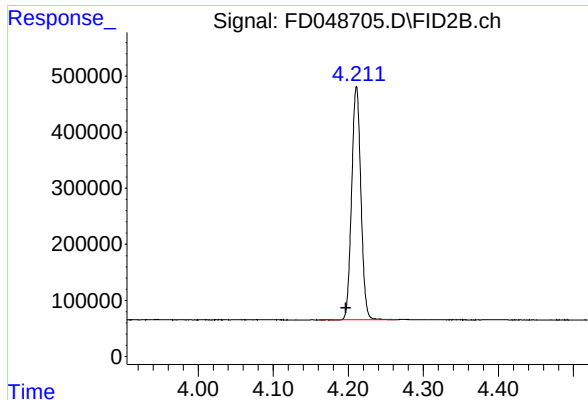
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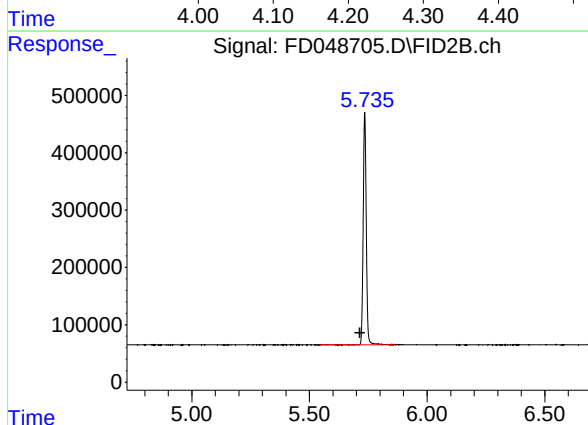
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.211 min
Delta R.T.: 0.014 min
Response: 3560279
Conc: 20.46 ug/ml

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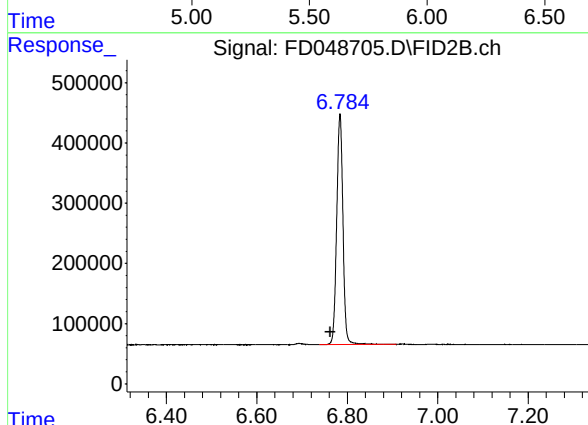
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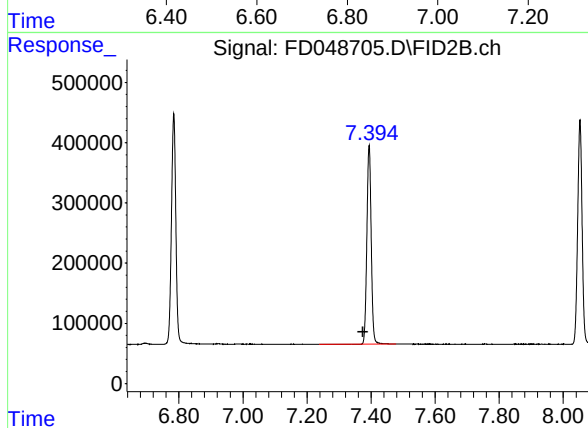
#2 Naphthalene (C11.7)

R.T.: 5.735 min
Delta R.T.: 0.019 min
Response: 3652534
Conc: 20.47 ug/ml



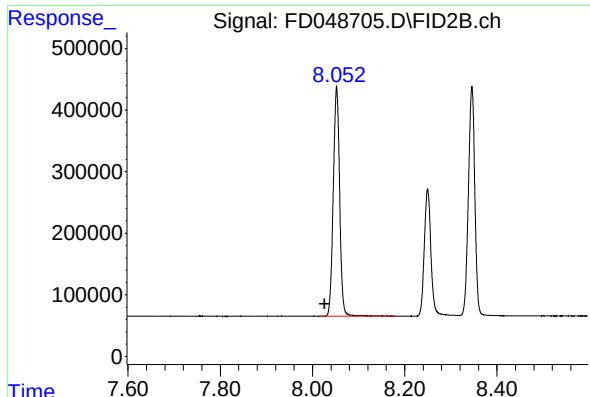
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.784 min
Delta R.T.: 0.022 min
Response: 3675188
Conc: 20.55 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.394 min
Delta R.T.: 0.019 min
Response: 3107836
Conc: 20.48 ug/ml



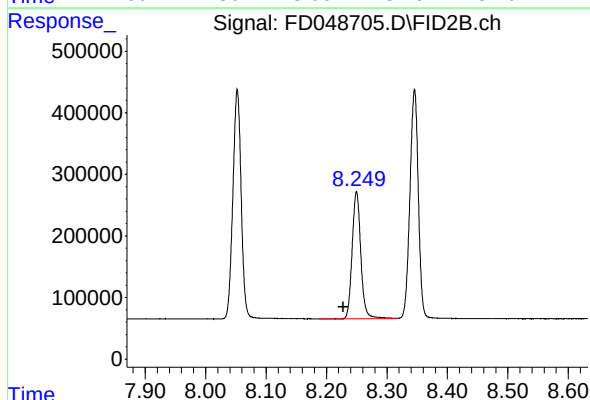
#5 Acenaphthylene (C15.06)

R.T.: 8.052 min
Delta R.T.: 0.026 min
Response: 3583330
Conc: 20.41 ug/ml

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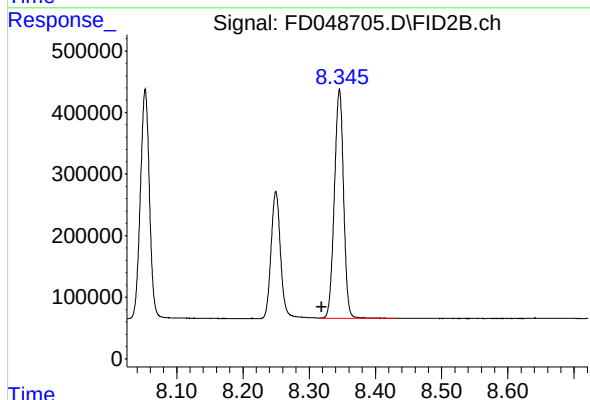
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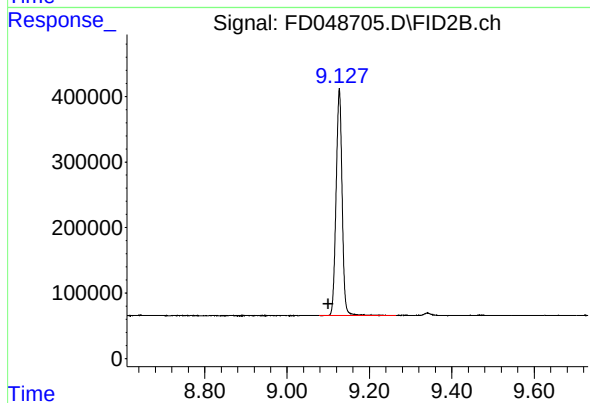
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.250 min
Delta R.T.: 0.022 min
Response: 2068266
Conc: 21.06 ug/ml



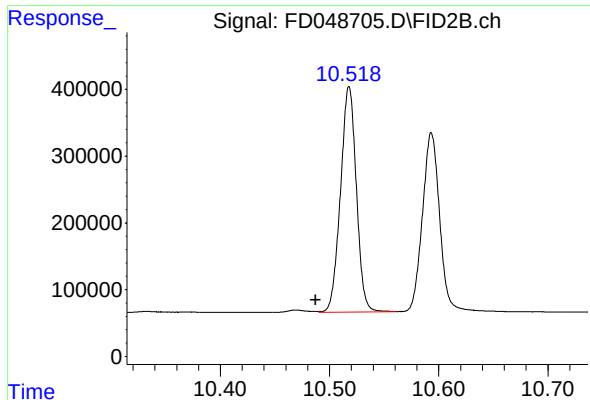
#7 Acenaphthene (C15.5)

R.T.: 8.346 min
Delta R.T.: 0.027 min
Response: 3607297
Conc: 20.34 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.127 min
Delta R.T.: 0.026 min
Response: 3511662
Conc: 20.77 ug/ml



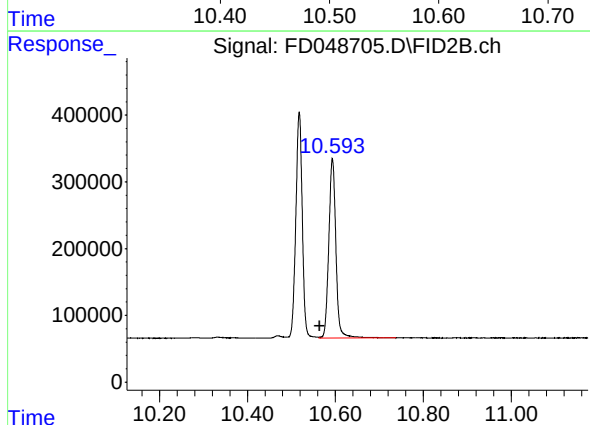
#9 Phenanthrene (C19.36)

R.T.: 10.518 min
Delta R.T.: 0.030 min
Response: 3407349
Conc: 20.61 ug/ml

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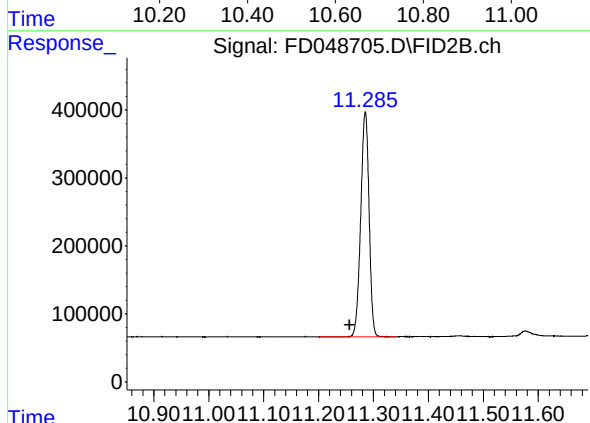
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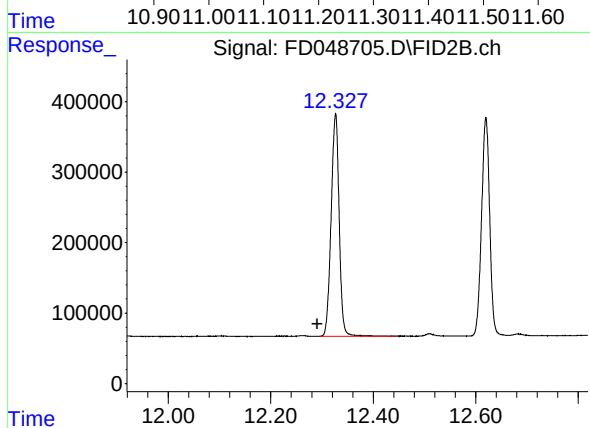
#10 Anthracene (C19.43)

R.T.: 10.593 min
Delta R.T.: 0.029 min
Response: 3007294
Conc: 18.81 ug/ml



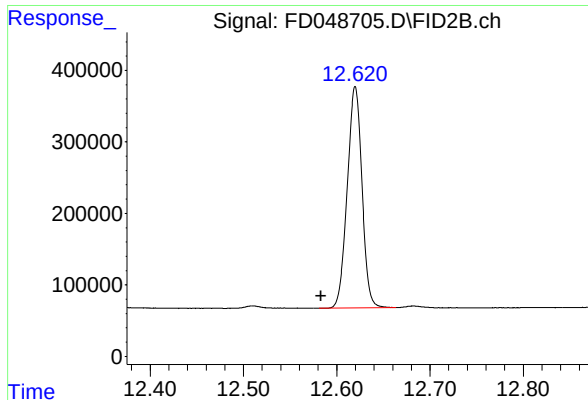
#11 ortho-Terphenyl (SURR)

R.T.: 11.285 min
Delta R.T.: 0.028 min
Response: 3495933
Conc: 20.52 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.326 min
Delta R.T.: 0.035 min
Response: 3443193
Conc: 20.92 ug/ml



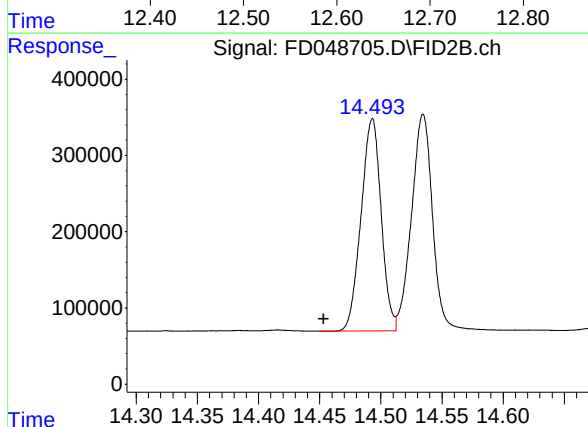
#13 Pyrene (C20.8)

R.T.: 12.620 min
Delta R.T.: 0.037 min
Response: 3393143
Conc: 21.07 ug/ml

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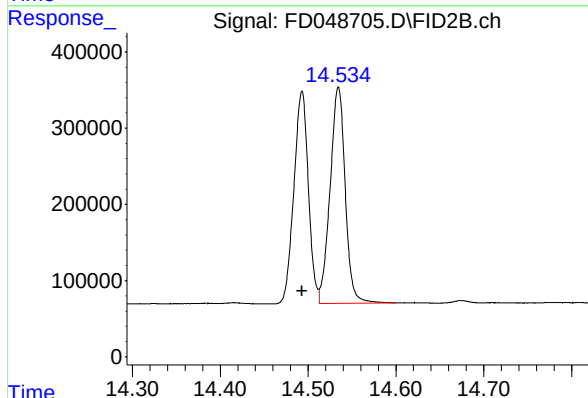
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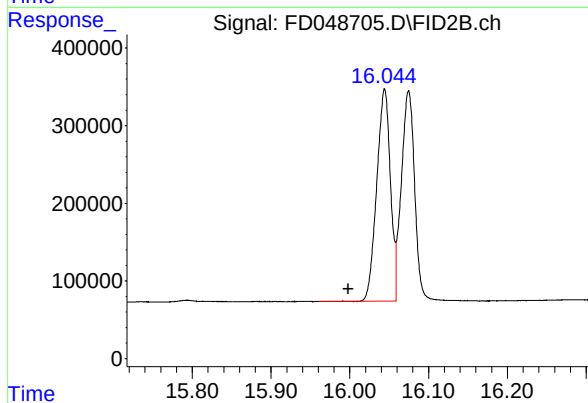
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.493 min
Delta R.T.: 0.040 min
Response: 3190160
Conc: 21.82 ug/ml



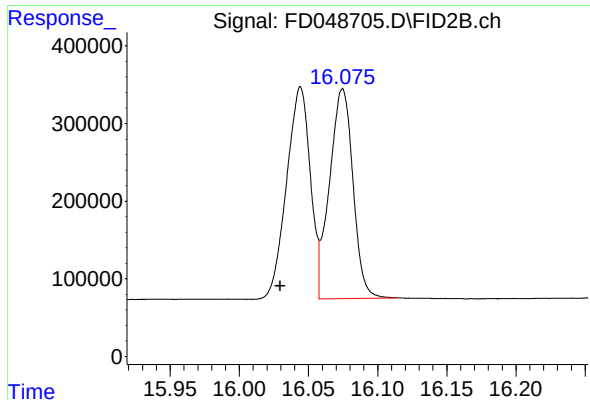
#15 Chrysene (C27.41)

R.T.: 14.534 min
Delta R.T.: 0.041 min
Response: 3402081
Conc: 20.68 ug/ml m



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

R.T.: 16.044 min
Delta R.T.: 0.046 min
Response: 3291848
Conc: 21.65 ug/ml



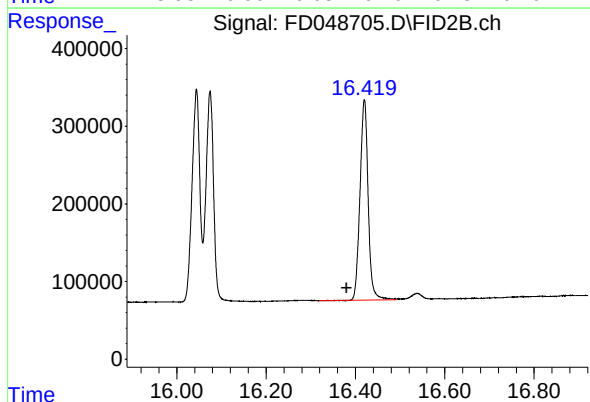
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.075 min
Delta R.T.: 0.045 min
Response: 3185187
Conc: 21.19 ug/ml

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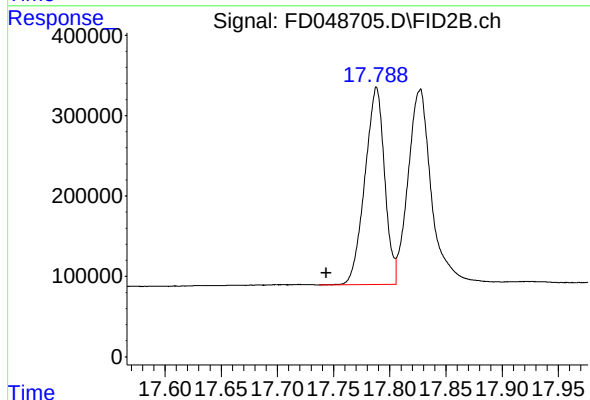
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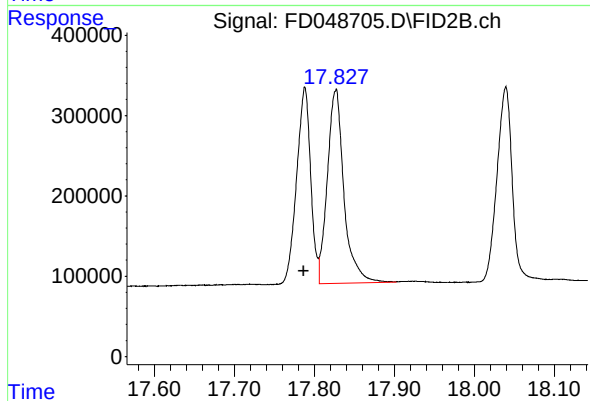
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.420 min
Delta R.T.: 0.039 min
Response: 3278070
Conc: 21.78 ug/ml



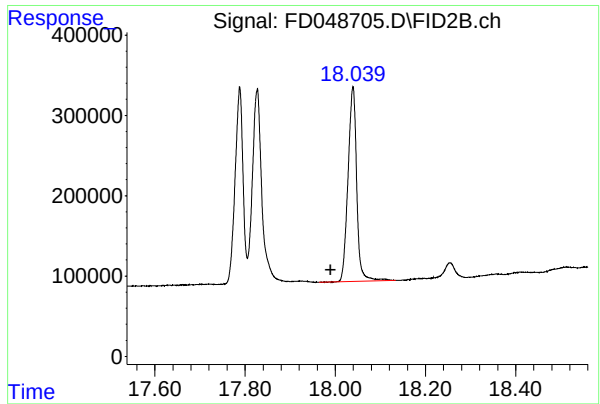
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.788 min
Delta R.T.: 0.044 min
Response: 2981586
Conc: 22.85 ug/ml



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

R.T.: 17.827 min
Delta R.T.: 0.041 min
Response: 3471909
Conc: 21.33 ug/ml m



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

R.T.: 18.039 min
Delta R.T.: 0.049 min
Response: 3244829
Conc: 21.20 ug/ml

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