

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD100824AR\
 Data File : FD048435.D
 Signal(s) : FID2B.ch
 Acq On : 08 Oct 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 10/09/2024
 Supervised By :Ankita Jodhani 10/09/2024

Integration File: autoint1.e
 Quant Time: Oct 09 01:32:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 093024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 30 14:17:34 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...	7.380	3436773	20.757 ug/ml
Spiked Amount 50.000		Recovery =	41.51%
6) S 2-Fluorobiphenyl (SURR)	8.231	2219409	21.401 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.80%
11) S ortho-Terphenyl (SURR)	11.264	3860107	20.979 ug/ml
Spiked Amount 50.000		Recovery =	41.96%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.201	3898640	22.245 ug/ml
2) T Naphthalene (C11.7)	5.720	3989350	21.366 ug/ml
3) T 2-Methylnaphthalene (...)	6.767	4063716	21.502 ug/ml
5) T Acenaphthylene (C15.06)	8.032	3981861	20.756 ug/ml
7) T Acenaphthene (C15.5)	8.326	4031271	21.312 ug/ml
8) T Flouorene (C16.55)	9.105	3840591	21.257 ug/ml
9) T Phenanthrene (C19.36)	10.492	3820409	21.556 ug/ml
10) T Anthracene (C19.43)	10.568	3089249	17.361 ug/ml
12) T Fluoranthene (C21.85)	12.295	3765493	20.818 ug/ml
13) T Pyrene (C20.8)	12.589	3681676	20.560 ug/ml
14) T Benzo[a]anthracene (C...	14.457	3302038	20.662 ug/ml
15) T Chrysene (C27.41)	14.498	3746963	20.088 ug/ml
16) T benzo[b]fluoranthene ...	16.004	3384054	20.320 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.035	3419728	20.146 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.379	3363679	20.580 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.742	2809432	21.358 ug/ml
20) T Dibenz[a,h]anthracene...	17.782	3639661	21.751 ug/ml
21) T Benzo[g,h,i]perylene ...	17.992	3403662	20.955 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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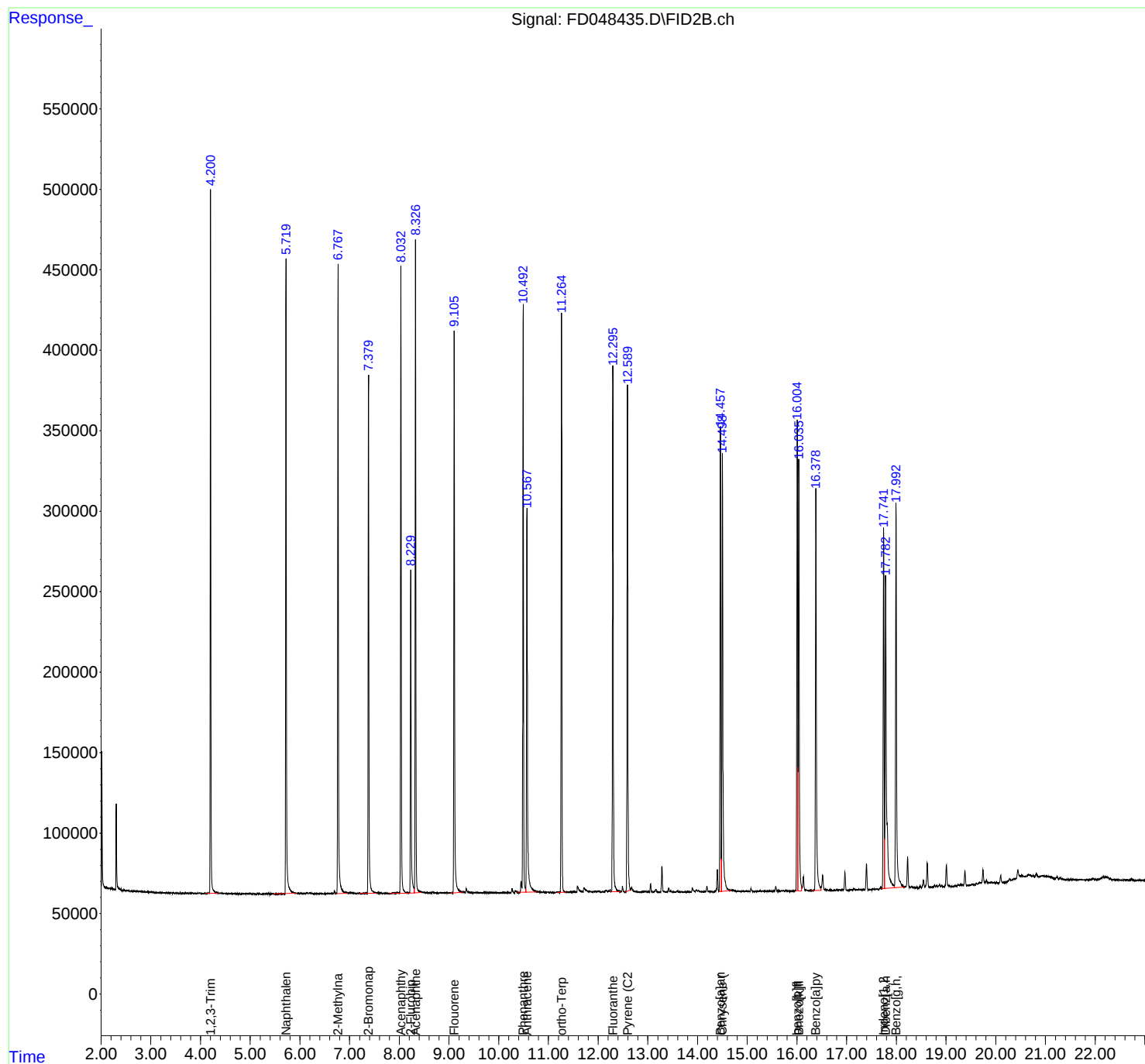
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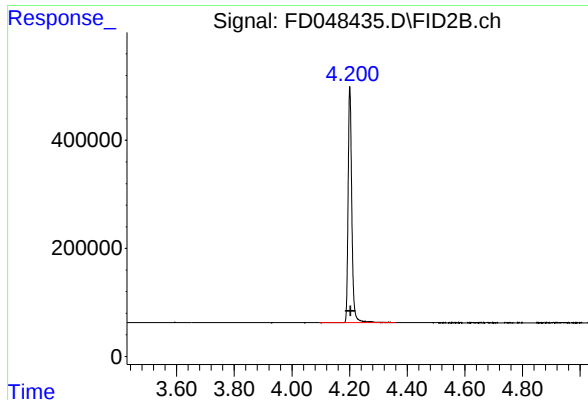
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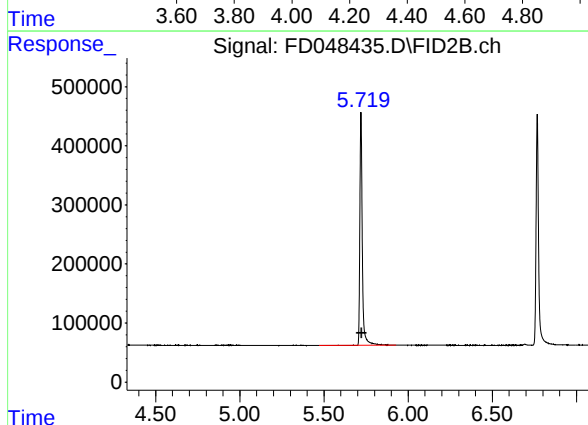
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.201 min
Delta R.T.: -0.003 min
Response: 3898640
Conc: 22.25 ug/ml

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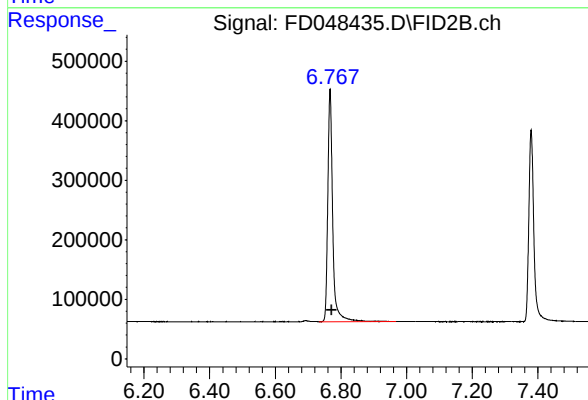
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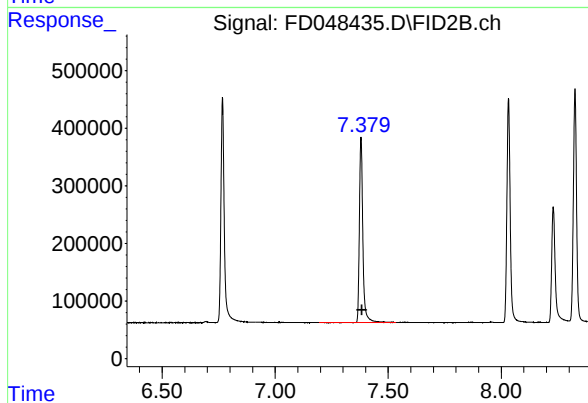
#2 Naphthalene (C11.7)

R.T.: 5.720 min
Delta R.T.: -0.005 min
Response: 3989350
Conc: 21.37 ug/ml



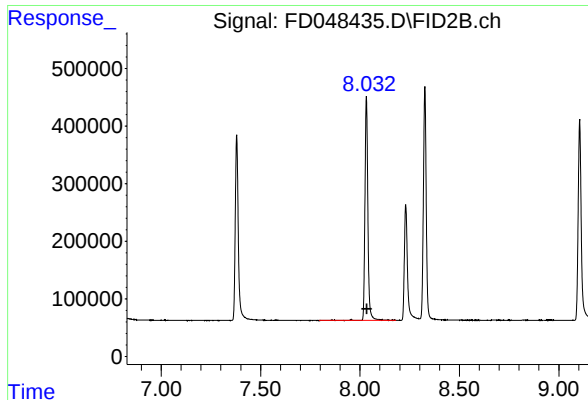
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.767 min
Delta R.T.: -0.005 min
Response: 4063716
Conc: 21.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.380 min
Delta R.T.: -0.005 min
Response: 3436773
Conc: 20.76 ug/ml



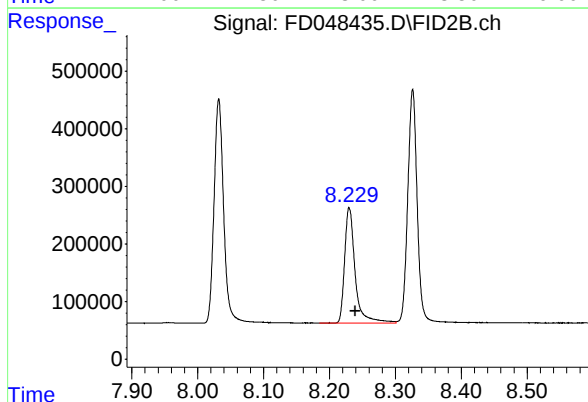
#5 Acenaphthylene (C15.06)

R.T.: 8.032 min
Delta R.T.: -0.003 min
Response: 3981861
Conc: 20.76 ug/ml

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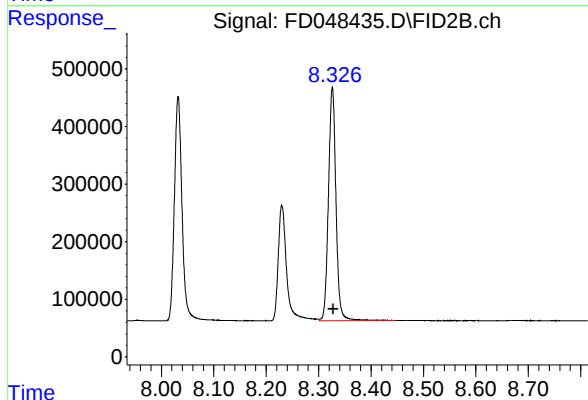
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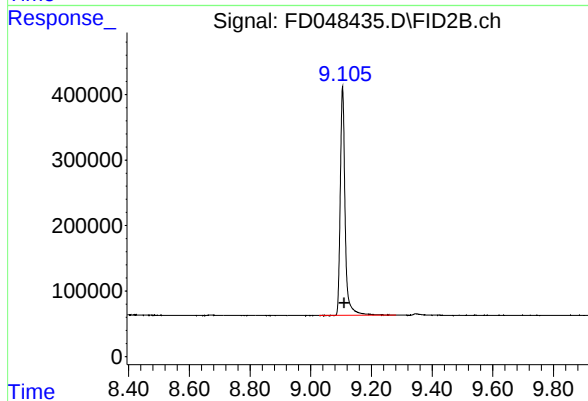
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.231 min
Delta R.T.: -0.008 min
Response: 2219409
Conc: 21.40 ug/ml



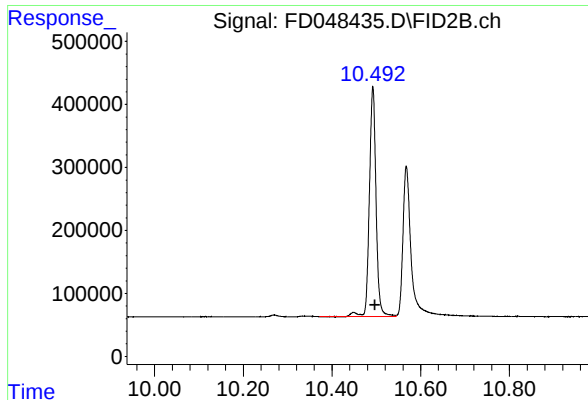
#7 Acenaphthene (C15.5)

R.T.: 8.326 min
Delta R.T.: -0.001 min
Response: 4031271
Conc: 21.31 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.105 min
Delta R.T.: -0.006 min
Response: 3840591
Conc: 21.26 ug/ml



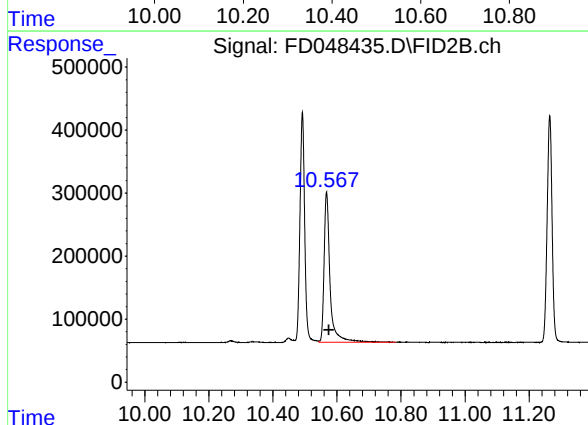
#9 Phenanthrene (C19.36)

R.T.: 10.492 min
Delta R.T.: -0.005 min
Response: 3820409
Conc: 21.56 ug/ml

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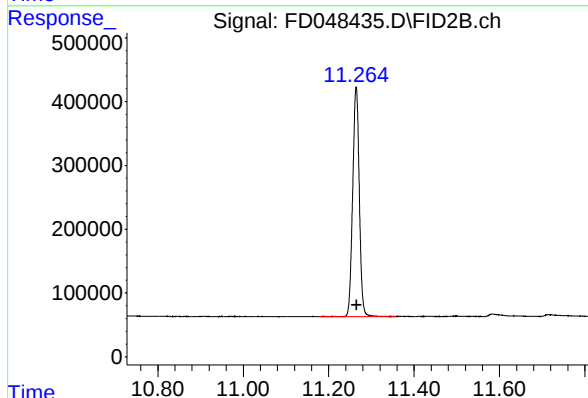
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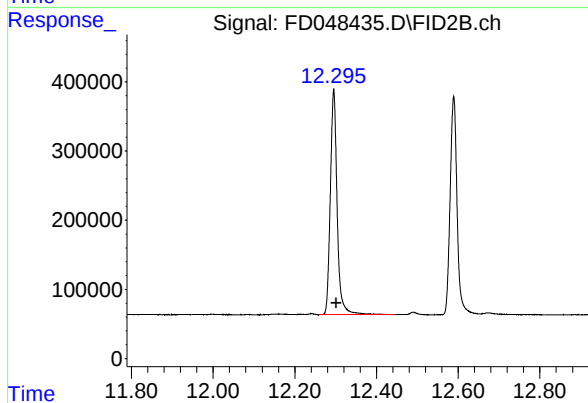
#10 Anthracene (C19.43)

R.T.: 10.568 min
Delta R.T.: -0.007 min
Response: 3089249
Conc: 17.36 ug/ml



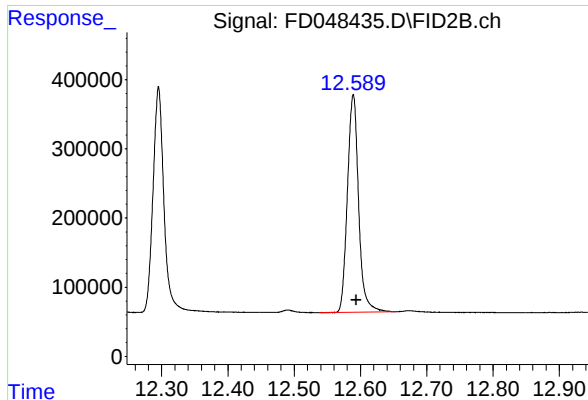
#11 ortho-Terphenyl (SURR)

R.T.: 11.264 min
Delta R.T.: -0.001 min
Response: 3860107
Conc: 20.98 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.295 min
Delta R.T.: -0.006 min
Response: 3765493
Conc: 20.82 ug/ml



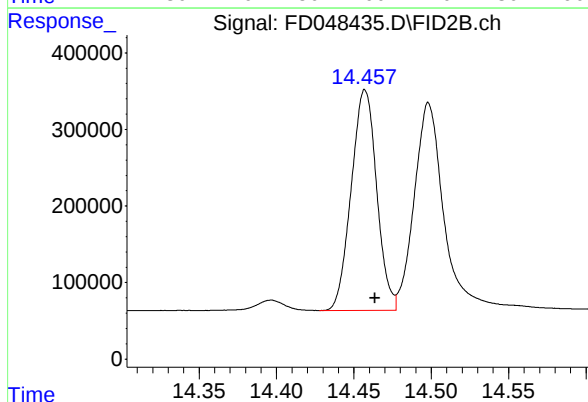
#13 Pyrene (C20.8)

R.T.: 12.589 min
Delta R.T.: -0.005 min
Response: 3681676
Conc: 20.56 ug/ml

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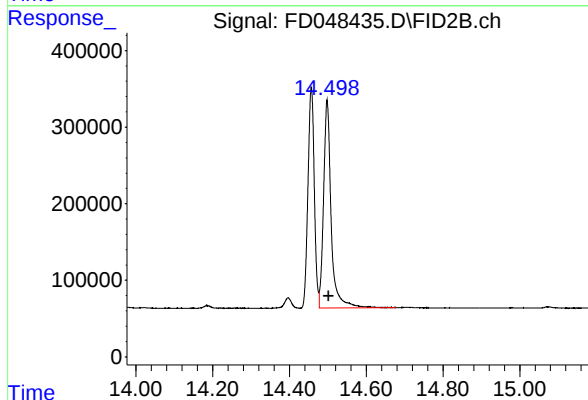
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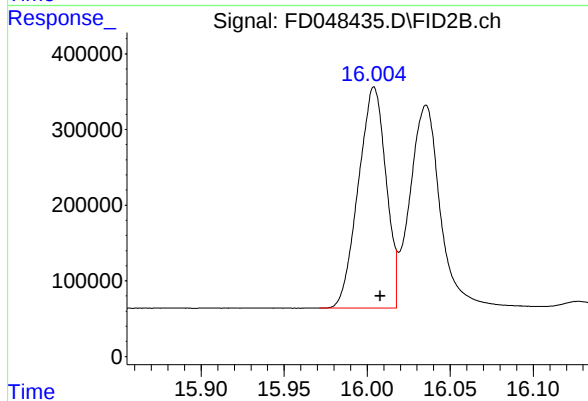
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.457 min
Delta R.T.: -0.007 min
Response: 3302038
Conc: 20.66 ug/ml



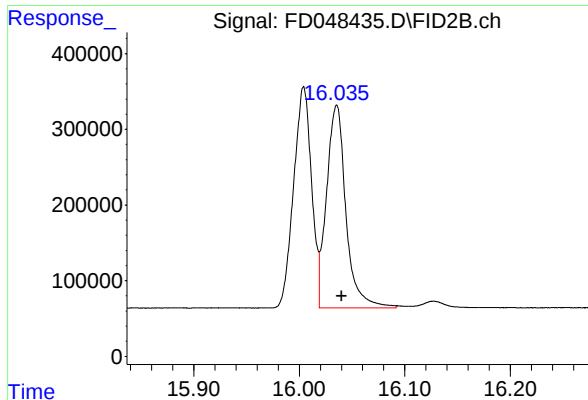
#15 Chrysene (C27.41)

R.T.: 14.498 min
Delta R.T.: -0.004 min
Response: 3746963
Conc: 20.09 ug/ml



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

R.T.: 16.004 min
Delta R.T.: -0.004 min
Response: 3384054
Conc: 20.32 ug/ml m



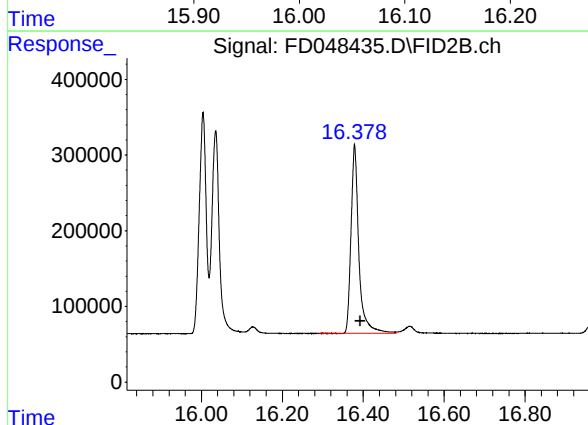
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.035 min
Delta R.T.: -0.005 min
Response: 3419728
Conc: 20.15 ug/ml

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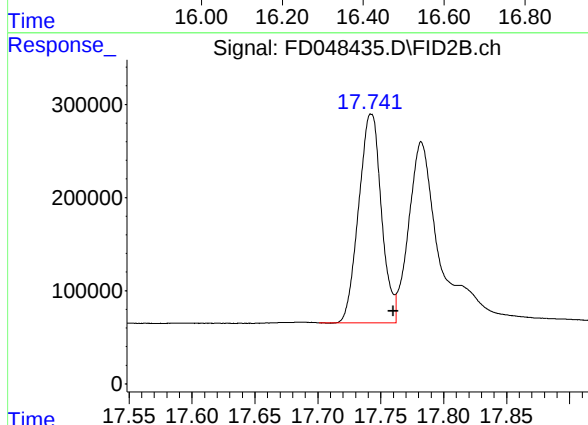
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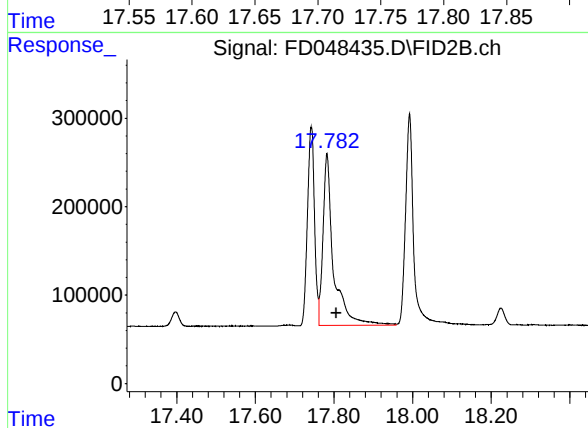
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.379 min
Delta R.T.: -0.014 min
Response: 3363679
Conc: 20.58 ug/ml



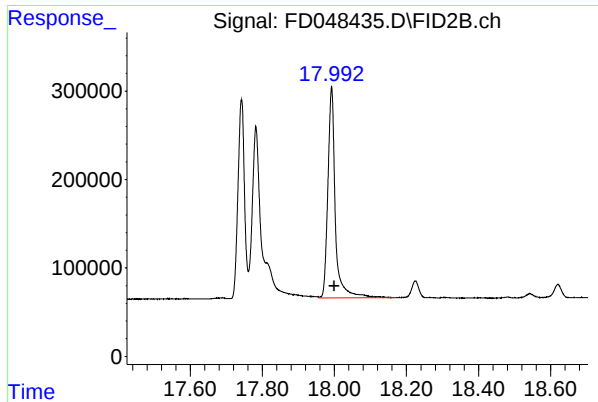
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.742 min
Delta R.T.: -0.018 min
Response: 2809432
Conc: 21.36 ug/ml



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

R.T.: 17.782 min
Delta R.T.: -0.024 min
Response: 3639661
Conc: 21.75 ug/ml



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

R.T.: 17.992 min
Delta R.T.: -0.009 min
Response: 3403662
Conc: 20.96 ug/ml

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