

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090624AR\
 Data File : FD048278.D
 Signal(s) : FID2B.ch
 Acq On : 06 Sep 2024 08:26
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/09/2024
 Supervised By :Ankita Jodhani 09/09/2024

Integration File: autoint1.e
 Quant Time: Sep 06 10:20:22 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 090624.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 06 10:19:09 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...	7.397	14576847	95.183 ug/ml
Spiked Amount 50.000		Recovery =	190.37%
6) S 2-Fluorobiphenyl (SURR)	8.248	9654628	97.415 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	194.83%#
11) S ortho-Terphenyl (SURR)	11.287	16309357	94.263 ug/ml
Spiked Amount 50.000		Recovery =	188.53%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.216	16631674	94.071 ug/ml
2) T Naphthalene (C11.7)	5.737	17191169	94.211 ug/ml
3) T 2-Methylnaphthalene (...)	6.785	17171474	95.455 ug/ml
5) T Acenaphthylene (C15.06)	8.053	16698789	94.565 ug/ml
7) T Acenaphthene (C15.5)	8.350	16787686	93.283 ug/ml
8) T Flouorene (C16.55)	9.127	16245210	95.206 ug/ml
9) T Phenanthrene (C19.36)	10.516	15881369	97.427 ug/ml
10) T Anthracene (C19.43)	10.592	15249702	96.752 ug/ml
12) T Fluoranthene (C21.85)	12.321	15551466	95.934 ug/ml
13) T Pyrene (C20.8)	12.616	15403885	95.801 ug/ml
14) T Benzo[a]anthracene (C...	14.484	14511099	100.499 ug/ml
15) T Chrysene (C27.41)	14.530	14856353	91.449 ug/ml
16) T benzo[b]fluoranthene ...	16.033	14948599	98.112 ug/ml
17) T Bnezo[k]fluoranthene ...	16.072	14049118	93.248 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.412	14583345	96.652 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.775	13350893	118.047 ug/ml
20) T Dibenz[a,h]anthracene...	17.817	13338306	84.078 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.033	14264609	95.767 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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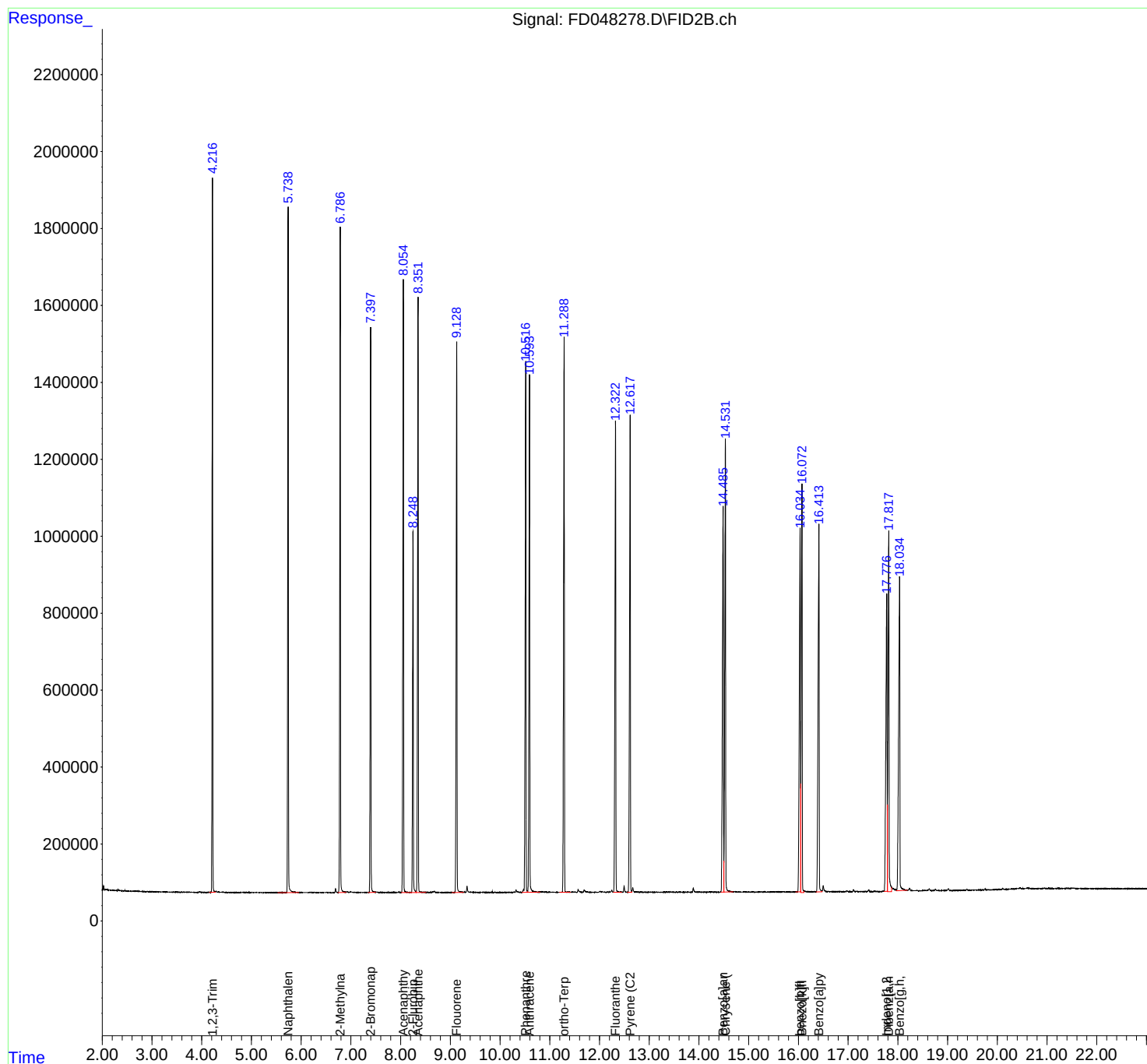
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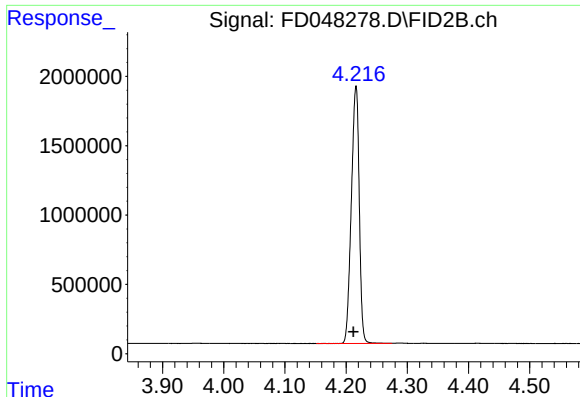
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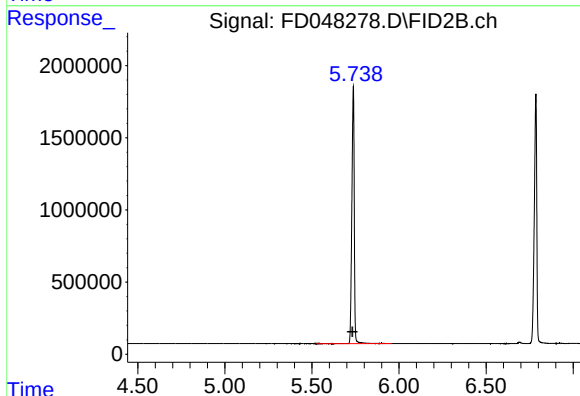
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.216 min
Delta R.T.: 0.004 min
Response: 16631674
Conc: 94.07 ug/ml

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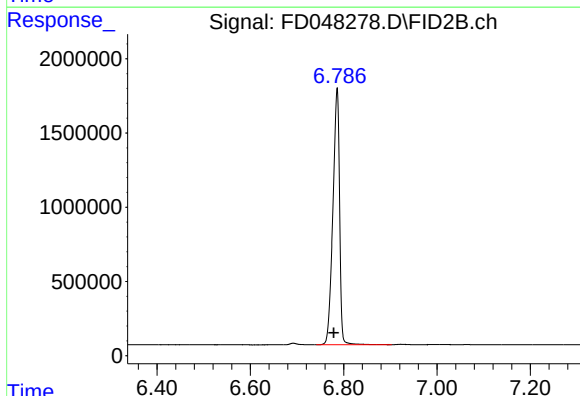
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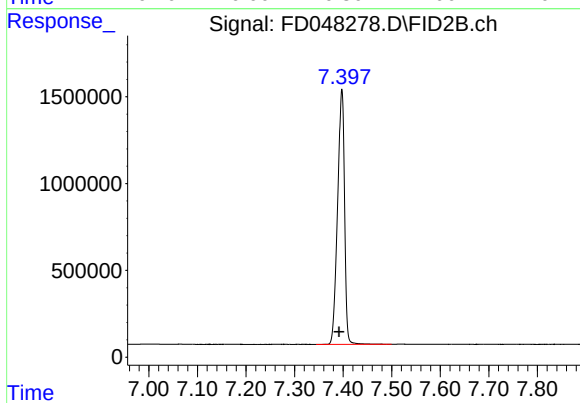
#2 Naphthalene (C11.7)

R.T.: 5.737 min
Delta R.T.: 0.005 min
Response: 17191169
Conc: 94.21 ug/ml



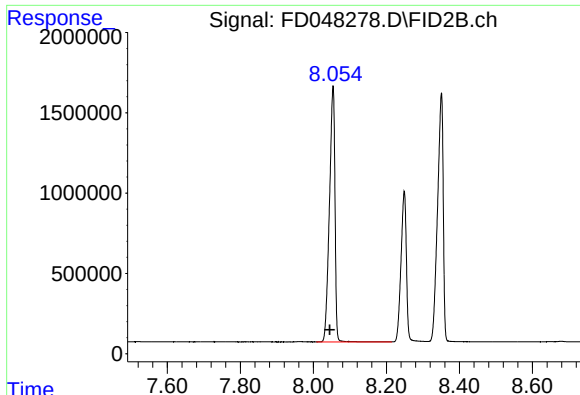
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.785 min
Delta R.T.: 0.006 min
Response: 17171474
Conc: 95.45 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.397 min
Delta R.T.: 0.005 min
Response: 14576847
Conc: 95.18 ug/ml



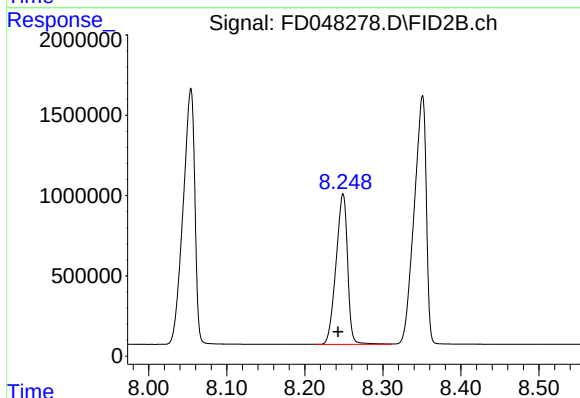
#5 Acenaphthylene (C15.06)

R.T.: 8.053 min
Delta R.T.: 0.009 min
Response: 16698789
Conc: 94.57 ug/ml

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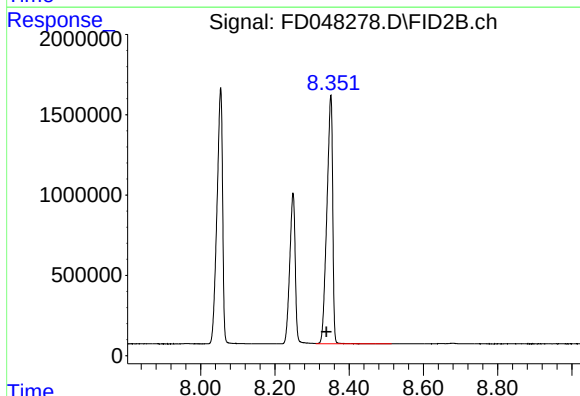
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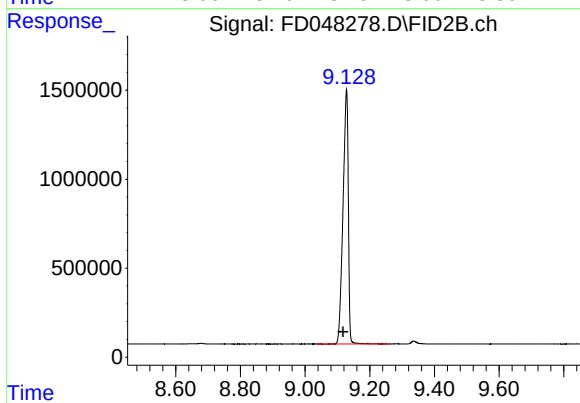
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.248 min
Delta R.T.: 0.006 min
Response: 9654628
Conc: 97.41 ug/ml



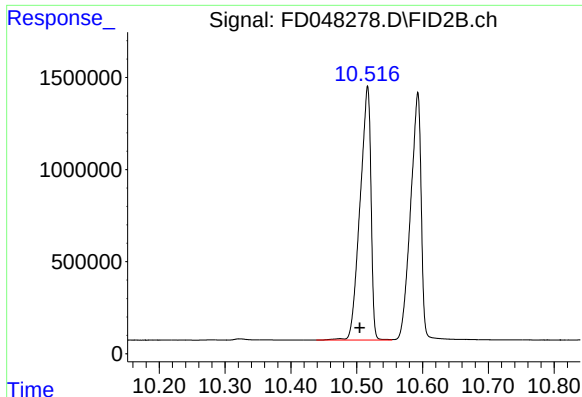
#7 Acenaphthene (C15.5)

R.T.: 8.350 min
Delta R.T.: 0.011 min
Response: 16787686
Conc: 93.28 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.127 min
Delta R.T.: 0.010 min
Response: 16245210
Conc: 95.21 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.516 min
Delta R.T.: 0.011 min
Response: 15881369
Conc: 97.43 ug/ml

Instrument :

FID_D

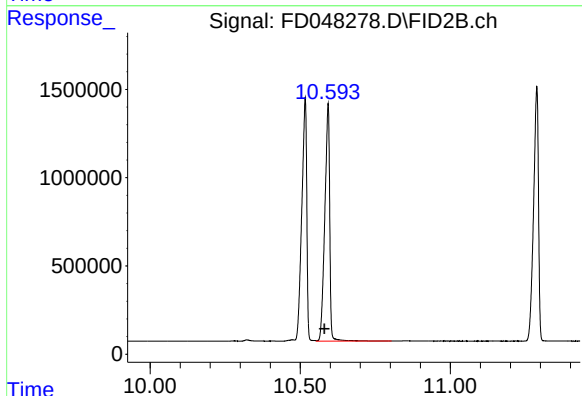
ClientSampleId :

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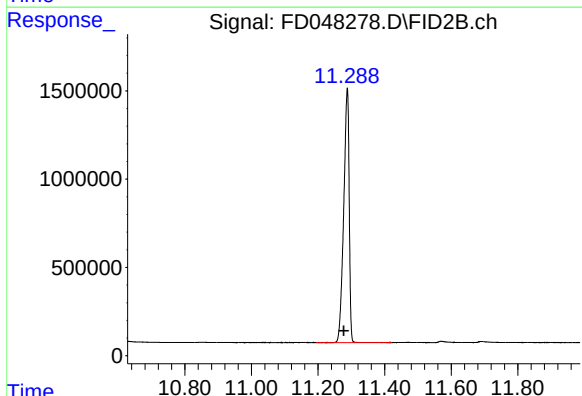
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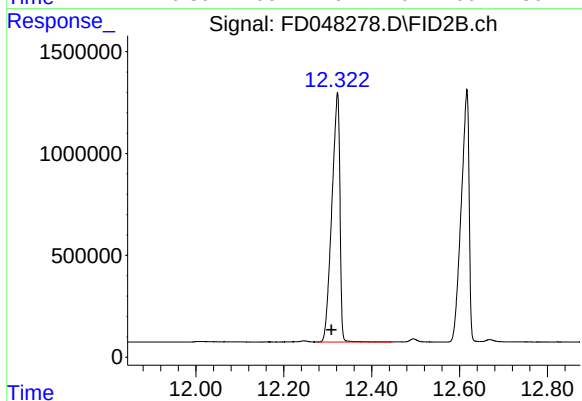
#10 Anthracene (C19.43)

R.T.: 10.592 min
Delta R.T.: 0.012 min
Response: 15249702
Conc: 96.75 ug/ml



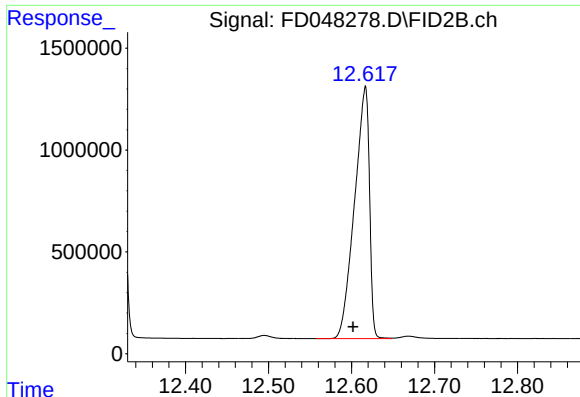
#11 ortho-Terphenyl (SURR)

R.T.: 11.287 min
Delta R.T.: 0.010 min
Response: 16309357
Conc: 94.26 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.321 min
Delta R.T.: 0.013 min
Response: 15551466
Conc: 95.93 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.616 min
Delta R.T.: 0.014 min
Response: 15403885
Conc: 95.80 ug/ml

Instrument :

FID_D

ClientSampleId :

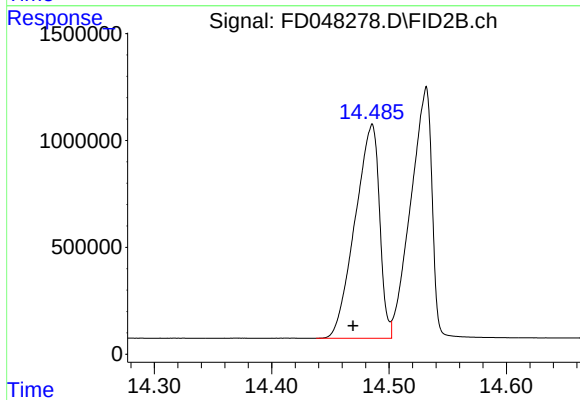
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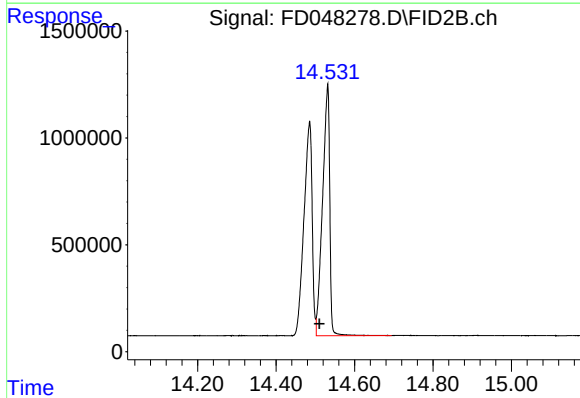
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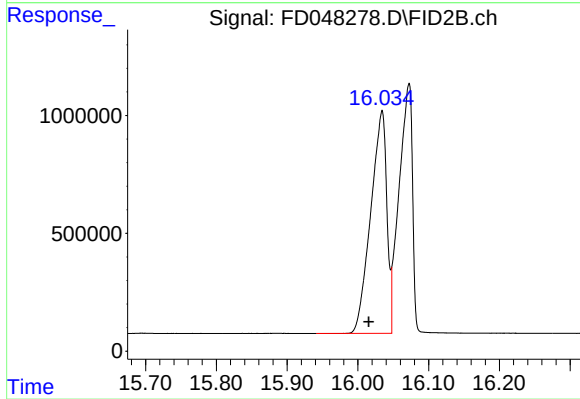
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.484 min
Delta R.T.: 0.015 min
Response: 14511099
Conc: 100.50 ug/ml



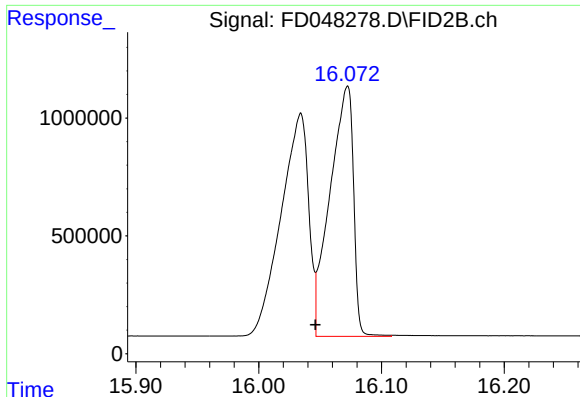
#15 Chrysene (C27.41)

R.T.: 14.530 min
Delta R.T.: 0.020 min
Response: 14856353
Conc: 91.45 ug/ml



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

R.T.: 16.033 min
Delta R.T.: 0.018 min
Response: 14948599
Conc: 98.11 ug/ml



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

R.T.: 16.072 min
Delta R.T.: 0.026 min
Response: 14049118
Conc: 93.25 ug/ml

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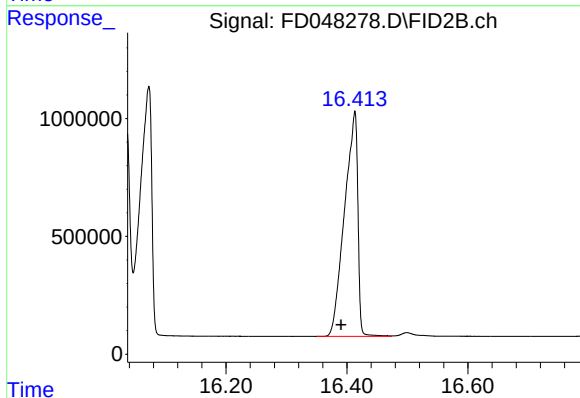
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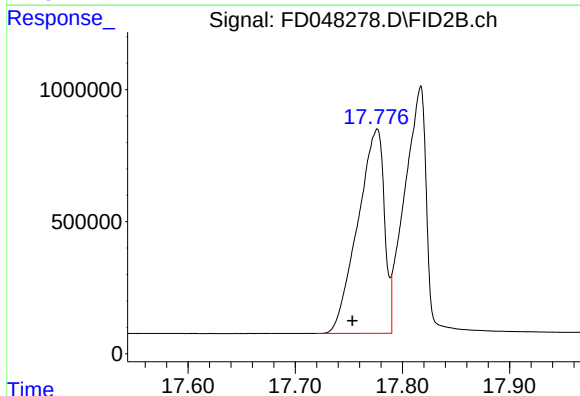
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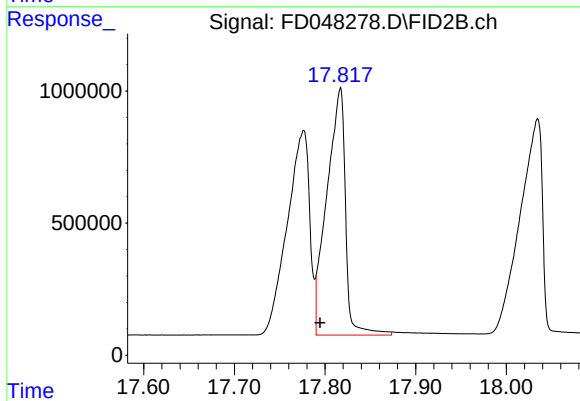
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.412 min
Delta R.T.: 0.021 min
Response: 14583345
Conc: 96.65 ug/ml



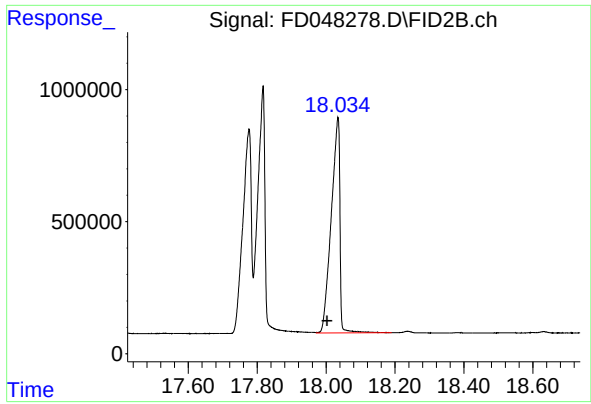
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.775 min
Delta R.T.: 0.022 min
Response: 13350893
Conc: 118.05 ug/ml



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

R.T.: 17.817 min
Delta R.T.: 0.022 min
Response: 13338306
Conc: 84.08 ug/ml m



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

R.T.: 18.033 min
Delta R.T.: 0.030 min
Response: 14264609
Conc: 95.77 ug/ml

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