

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090523AR\
 Data File : FD046429.D
 Signal(s) : FID2B.ch
 Acq On : 05 Sep 2023 16:29
 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 09/06/2023
 Supervised By :Ankita Jodhani 09/06/2023

Integration File: autoint1.e
 Quant Time: Sep 06 00:12:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082223.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 22 12:26:56 2023
 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...	7.493	3208564	18.998 ug/ml
Spiked Amount 50.000		Recovery =	38.00%
6) S 2-Fluorobiphenyl (SURR)	8.346	2112107	18.978 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.96%
11) S ortho-Terphenyl (SURR)	11.384	3789840	19.323 ug/ml
Spiked Amount 50.000		Recovery =	38.65%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	3323060	18.911 ug/ml
2) T Naphthalene (C11.7)	5.832	3492528	18.949 ug/ml
3) T 2-Methylnaphthalene (...)	6.881	3533829	19.032 ug/ml
5) T Acenaphthylene (C15.06)	8.151	3198895	18.797 ug/ml
7) T Acenaphthene (C15.5)	8.445	3432309	19.052 ug/ml
8) T Fluorene (C16.55)	9.223	3336183	19.075 ug/ml
9) T Phenanthrene (C19.36)	10.612	3262073	19.012 ug/ml
10) T Anthracene (C19.43)	10.686	2764193	16.386 ug/ml
12) T Fluoranthene (C21.85)	12.415	3234503	19.442 ug/ml
13) T Pyrene (C20.8)	12.709	3084642	19.139 ug/ml
14) T Benzo[a]anthracene (C...	14.572	2623589	18.648 ug/mlm
15) T Chrysene (C27.41)	14.615	2792108	18.823 ug/ml
16) T benzo[b]fluoranthene ...	16.114	2553234	18.790 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.146	2624578	19.346 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.489	2441713	18.531 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.845	2322424	18.619 ug/mlm
20) T Dibenz[a,h]anthracene...	17.887	2535702	20.236 ug/ml
21) T Benzo[g,h,i]perylene ...	18.097	2429915	18.948 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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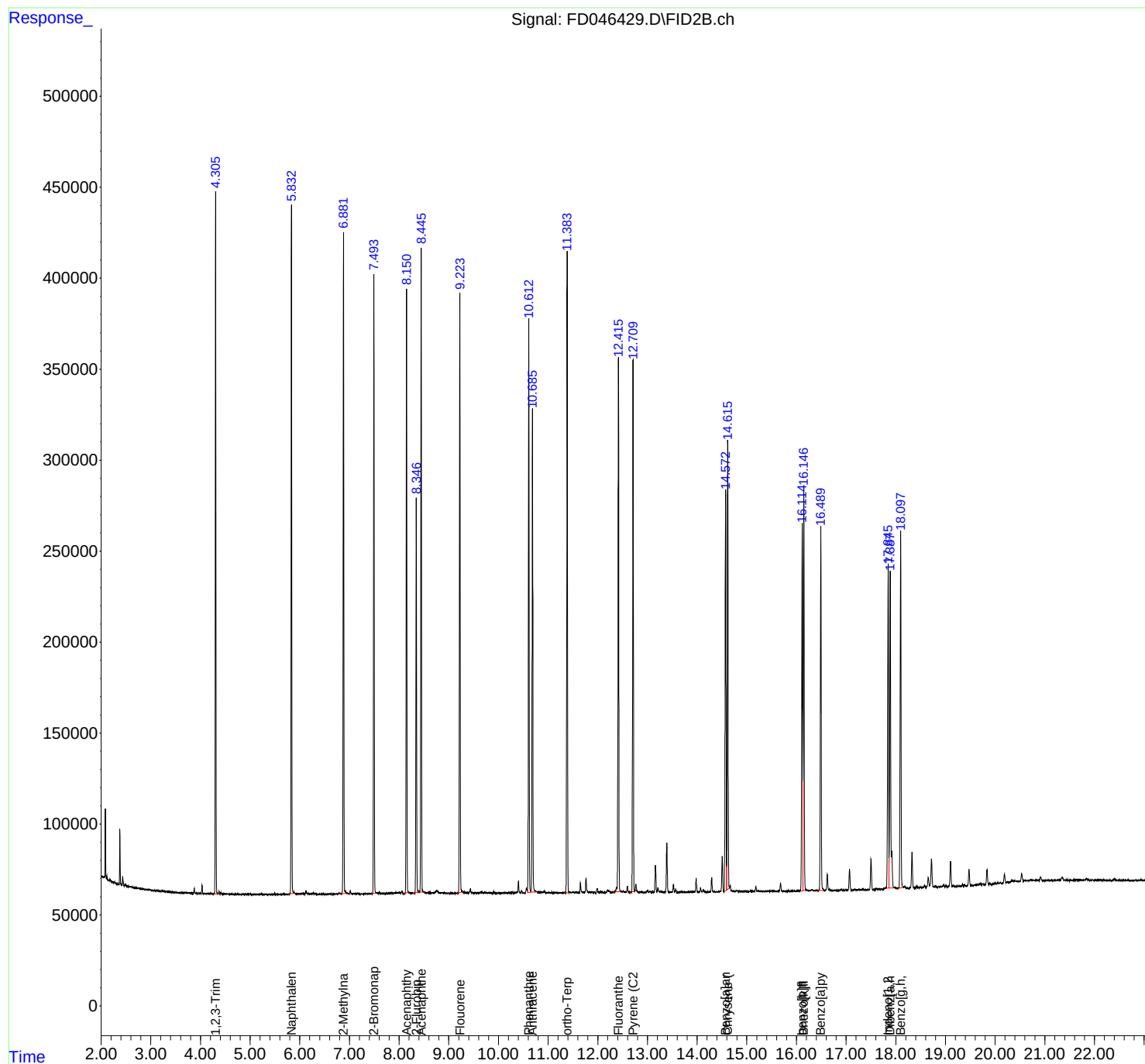
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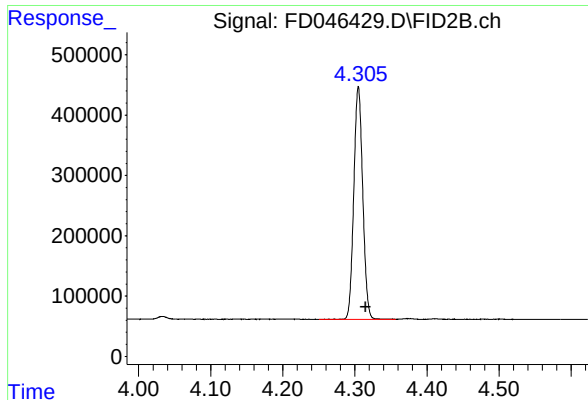
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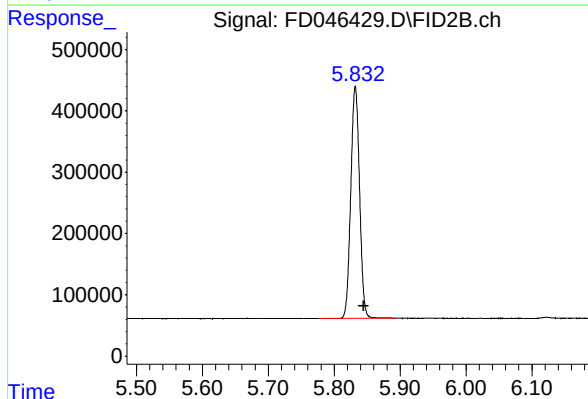
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.305 min
Delta R.T.: -0.010 min
Response: 3323060
Conc: 18.91 ug/ml

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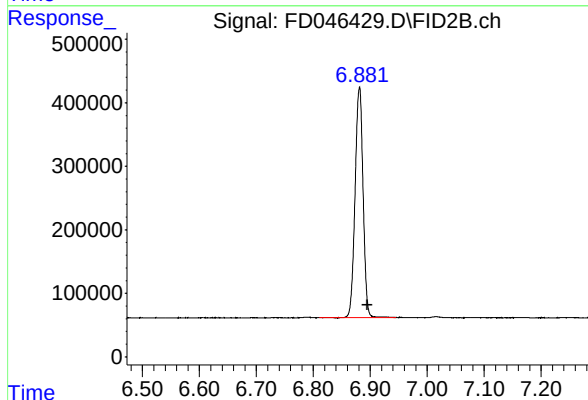
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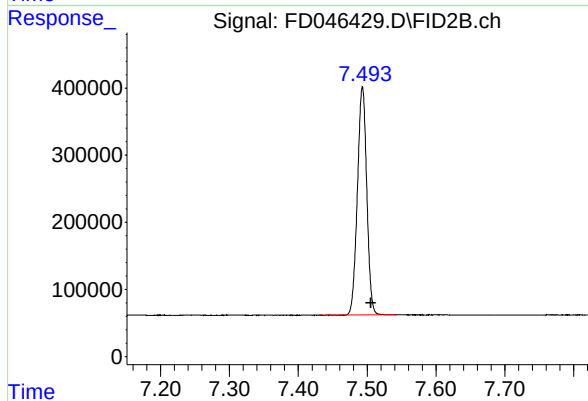
#2 Naphthalene (C11.7)

R.T.: 5.832 min
Delta R.T.: -0.012 min
Response: 3492528
Conc: 18.95 ug/ml



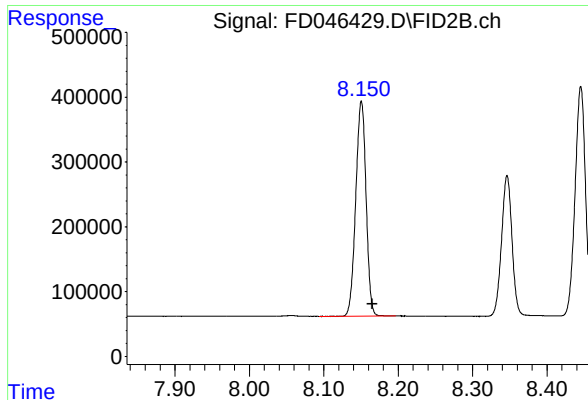
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.881 min
Delta R.T.: -0.014 min
Response: 3533829
Conc: 19.03 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.493 min
Delta R.T.: -0.012 min
Response: 3208564
Conc: 19.00 ug/ml



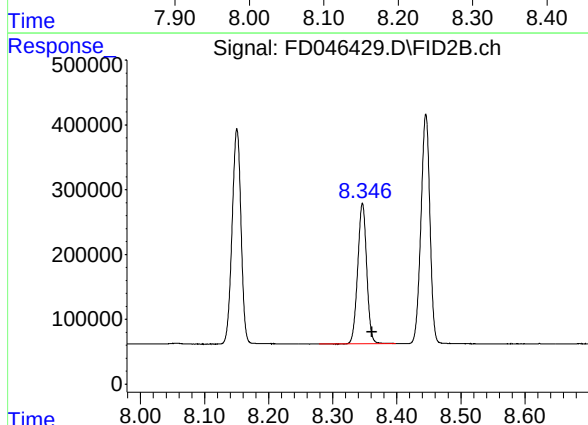
#5 Acenaphthylene (C15.06)

R.T.: 8.151 min
Delta R.T.: -0.014 min
Response: 3198895
Conc: 18.80 ug/ml

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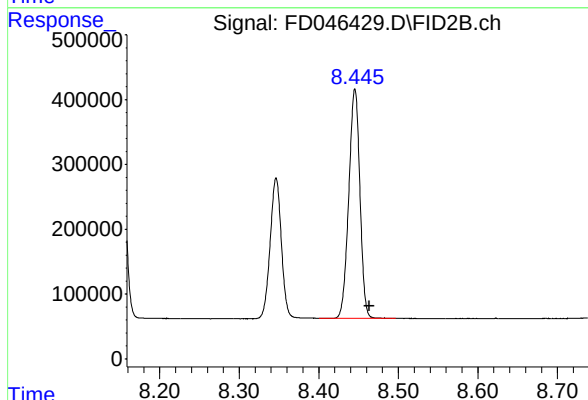
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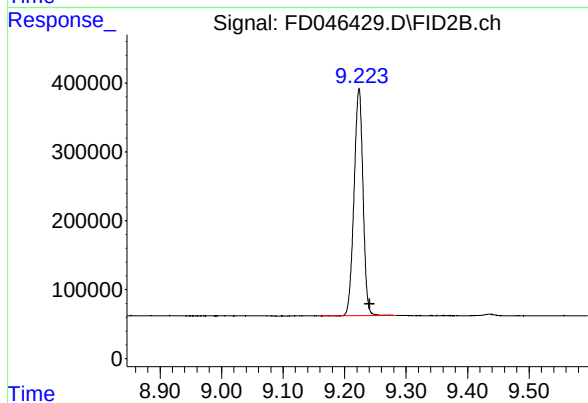
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.346 min
Delta R.T.: -0.015 min
Response: 2112107
Conc: 18.98 ug/ml



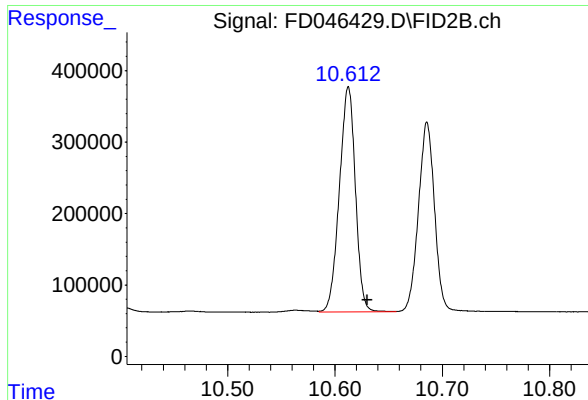
#7 Acenaphthene (C15.5)

R.T.: 8.445 min
Delta R.T.: -0.018 min
Response: 3432309
Conc: 19.05 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.223 min
Delta R.T.: -0.017 min
Response: 3336183
Conc: 19.08 ug/ml



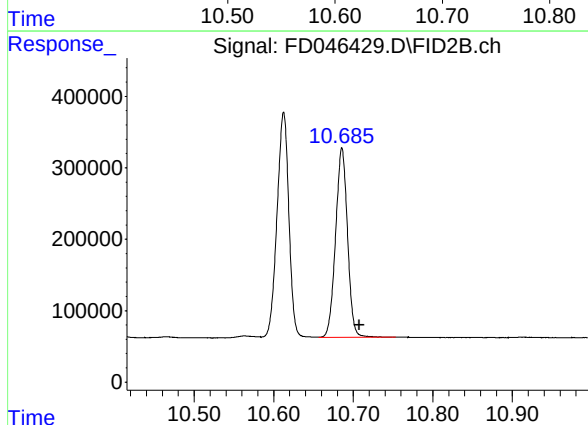
#9 Phenanthrene (C19.36)

R.T.: 10.612 min
Delta R.T.: -0.018 min
Response: 3262073
Conc: 19.01 ug/ml

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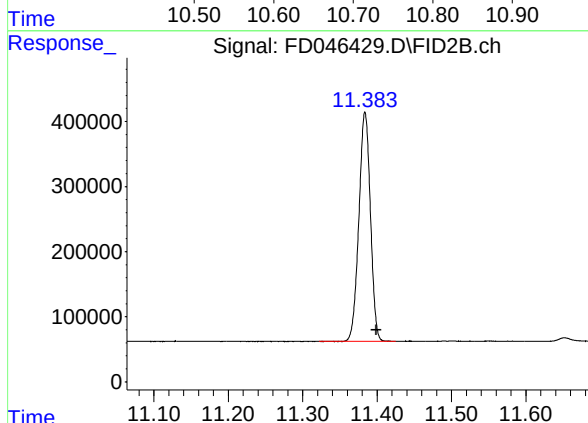
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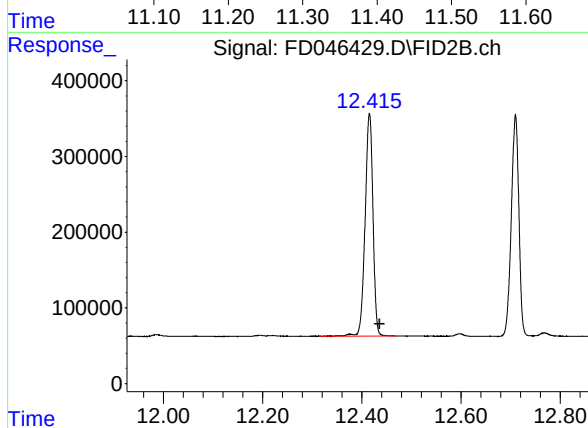
#10 Anthracene (C19.43)

R.T.: 10.686 min
Delta R.T.: -0.022 min
Response: 2764193
Conc: 16.39 ug/ml



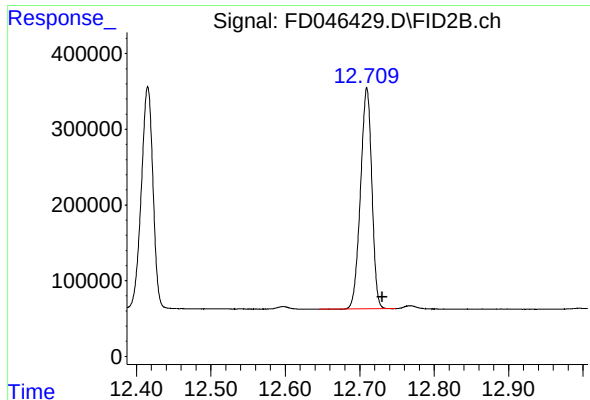
#11 ortho-Terphenyl (SURRE)

R.T.: 11.384 min
Delta R.T.: -0.015 min
Response: 3789840
Conc: 19.32 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.415 min
Delta R.T.: -0.021 min
Response: 3234503
Conc: 19.44 ug/ml



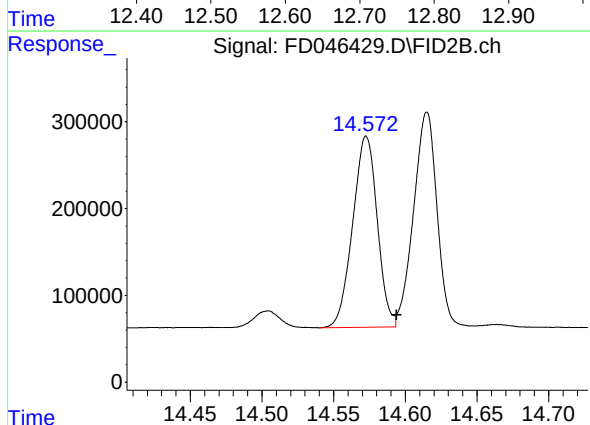
#13 Pyrene (C20.8)

R.T.: 12.709 min
Delta R.T.: -0.021 min
Response: 3084642
Conc: 19.14 ug/ml

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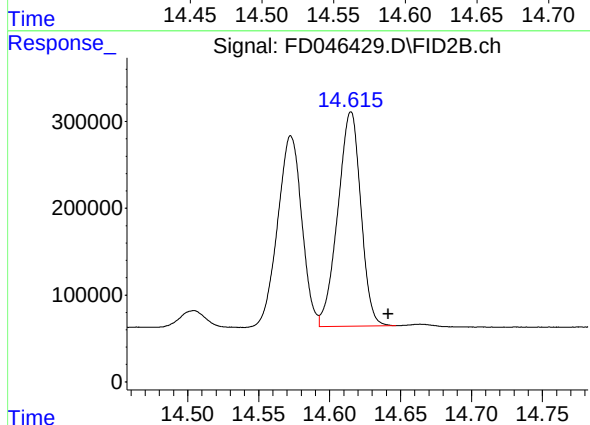
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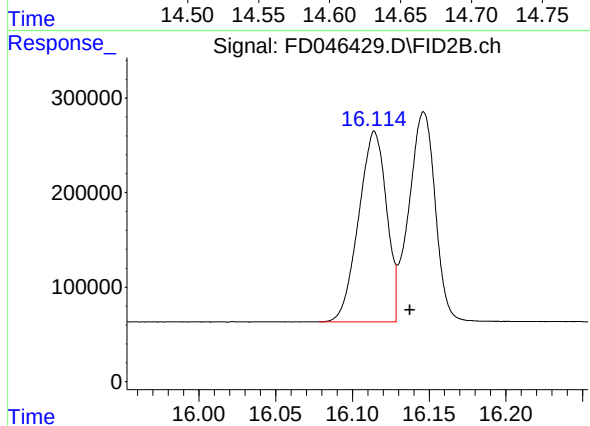
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.572 min
Delta R.T.: -0.022 min
Response: 2623589
Conc: 18.65 ug/ml m



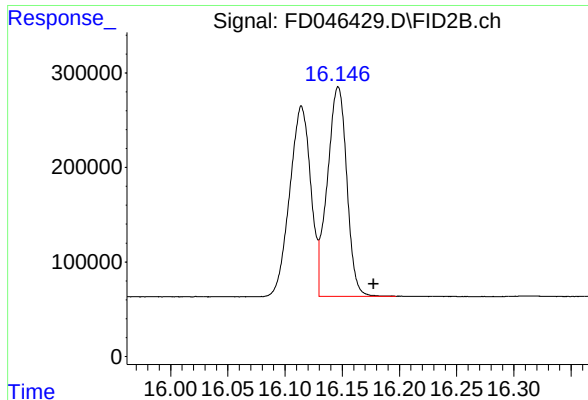
#15 Chrysene (C27.41)

R.T.: 14.615 min
Delta R.T.: -0.026 min
Response: 2792108
Conc: 18.82 ug/ml



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

R.T.: 16.114 min
Delta R.T.: -0.024 min
Response: 2553234
Conc: 18.79 ug/ml m



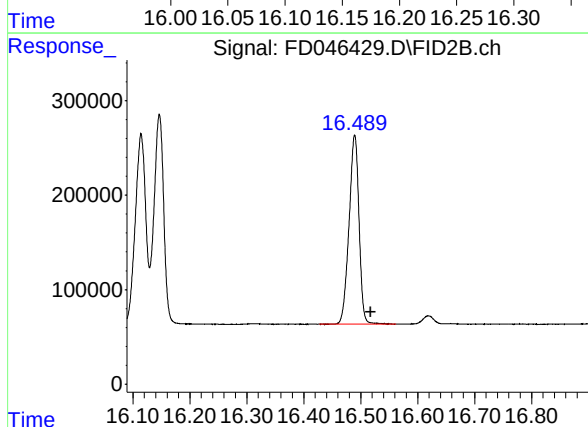
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.146 min
Delta R.T.: -0.031 min
Response: 2624578
Conc: 19.35 ug/ml

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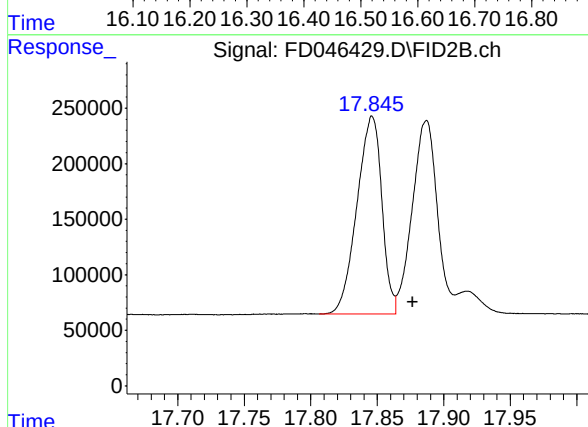
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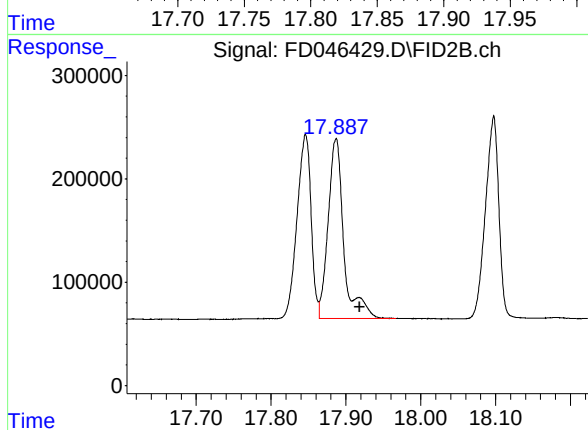
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.489 min
Delta R.T.: -0.028 min
Response: 2441713
Conc: 18.53 ug/ml



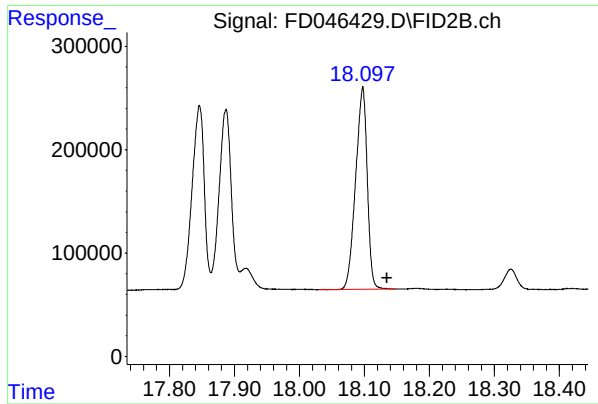
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.845 min
Delta R.T.: -0.031 min
Response: 2322424
Conc: 18.62 ug/ml m



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

R.T.: 17.887 min
Delta R.T.: -0.032 min
Response: 2535702
Conc: 20.24 ug/ml



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

R.T.: 18.097 min
Delta R.T.: -0.037 min
Response: 2429915
Conc: 18.95 ug/ml

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