

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD090523AR\
 Data File : FD046422.D
 Signal(s) : FID2B.ch
 Acq On : 05 Sep 2023 09:24
 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 09/05/2023
 Supervised By :Ankita Jodhani 09/06/2023

Integration File: autoint1.e
 Quant Time: Sep 05 09:55:42 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...	7.494	3240072	19.185 ug/ml
Spiked Amount 50.000		Recovery =	38.37%
6) S 2-Fluorobiphenyl (SURR)	8.348	2104816	18.913 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	37.83%
11) S ortho-Terphenyl (SURR)	11.385	3819451	19.474 ug/ml
Spiked Amount 50.000		Recovery =	38.95%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.309	3410661	19.409 ug/ml
2) T Naphthalene (C11.7)	5.835	3544993	19.234 ug/ml
3) T 2-Methylnaphthalene (...)	6.883	3552352	19.132 ug/ml
5) T Acenaphthylene (C15.06)	8.151	3225908	18.956 ug/ml
7) T Acenaphthene (C15.5)	8.447	3455738	19.182 ug/ml
8) T Fluorene (C16.55)	9.225	3311693	18.935 ug/ml
9) T Phenanthrene (C19.36)	10.613	3254415	18.968 ug/ml
10) T Anthracene (C19.43)	10.687	2724201	16.149 ug/ml
12) T Fluoranthene (C21.85)	12.416	3198384	19.225 ug/ml
13) T Pyrene (C20.8)	12.710	3054421	18.951 ug/ml
14) T Benzo[a]anthracene (C...	14.574	2499252	17.764 ug/ml
15) T Chrysene (C27.41)	14.615	2677954	18.054 ug/ml
16) T benzo[b]fluoranthene ...	16.114	2520445	18.549 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.146	2502407	18.446 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.488	2297810	17.439 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.846	2121606	17.009 ug/mlm
20) T Dibenz[a,h]anthracene...	17.888	2181052	17.406 ug/ml
21) T Benzo[g,h,i]perylene ...	18.097	2304880	17.973 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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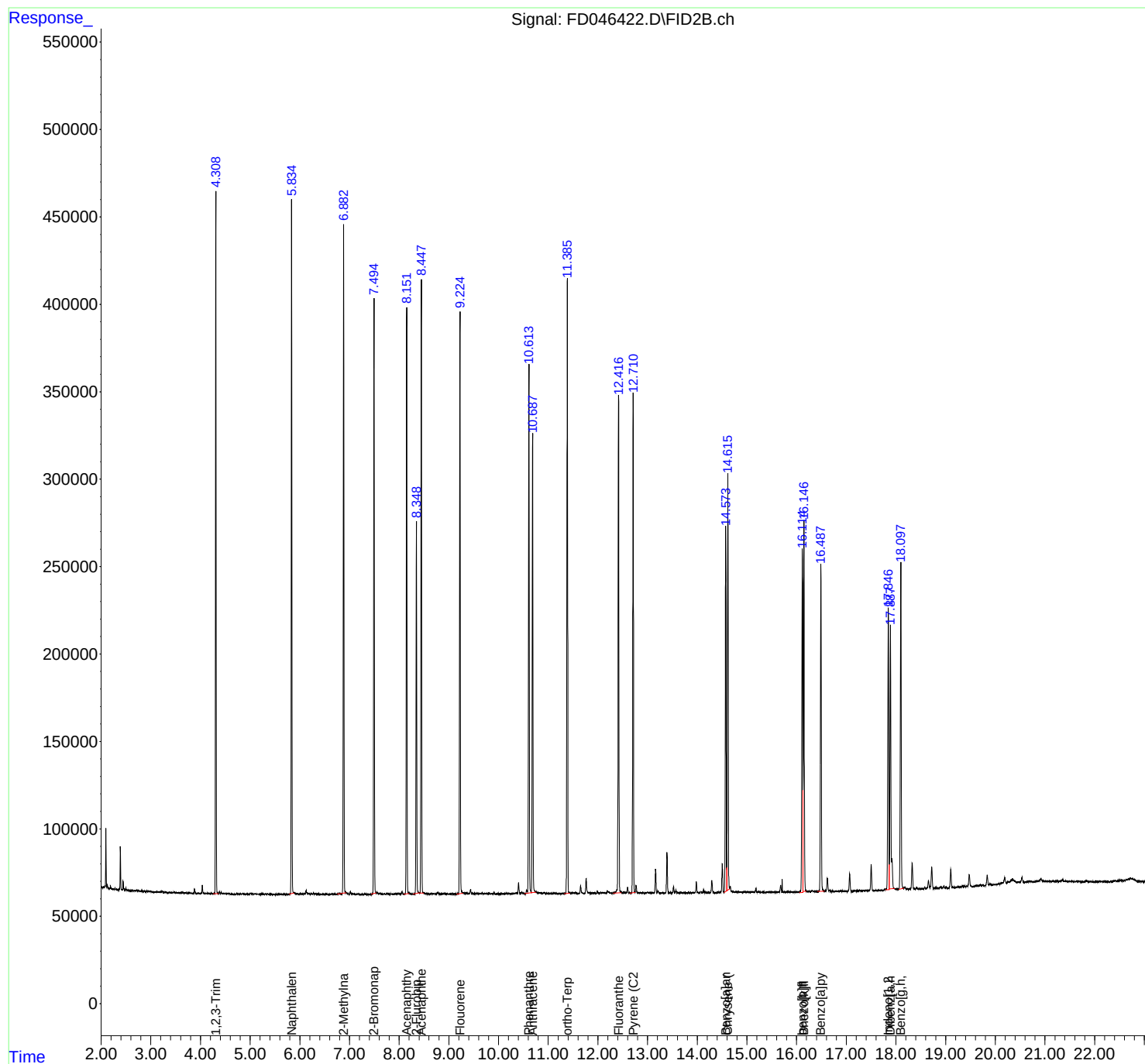
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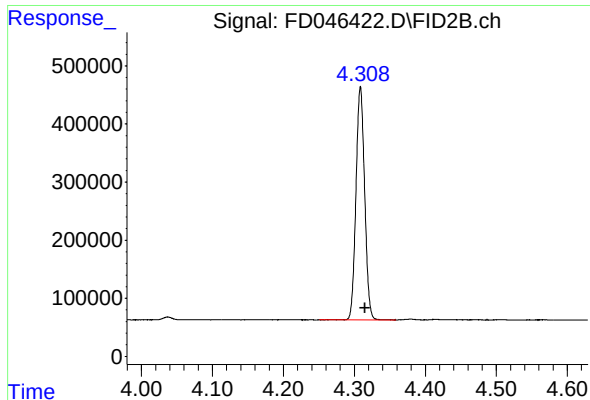
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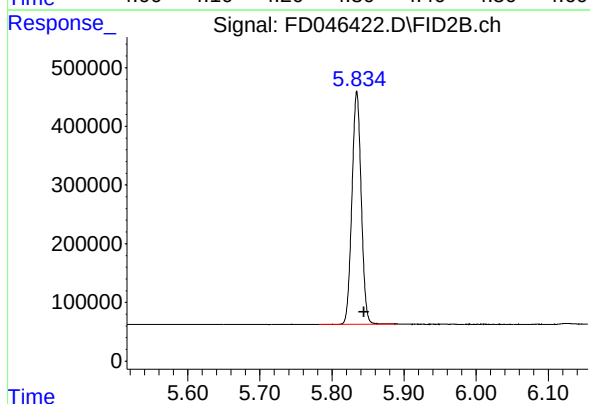
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.309 min
Delta R.T.: -0.006 min
Response: 3410661
Conc: 19.41 ug/ml

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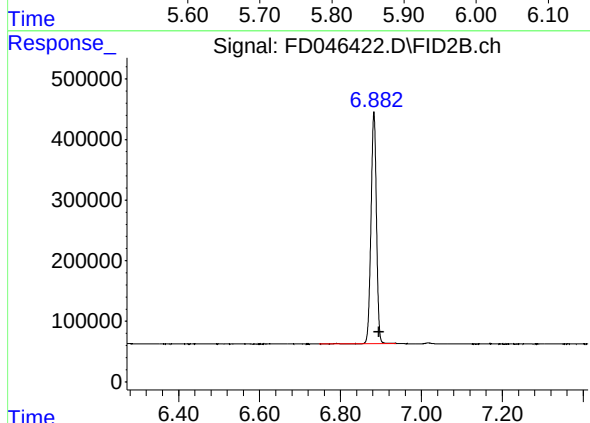
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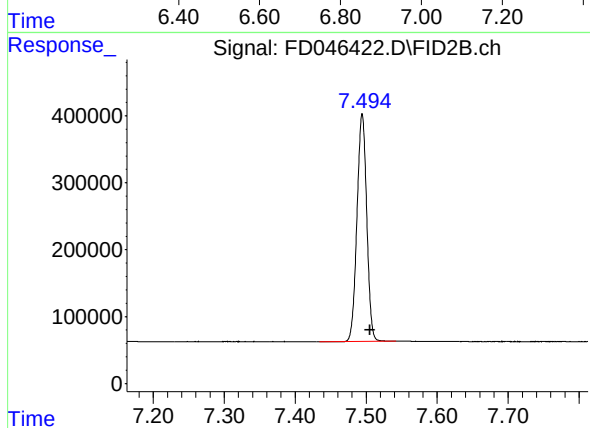
#2 Naphthalene (C11.7)

R.T.: 5.835 min
Delta R.T.: -0.010 min
Response: 3544993
Conc: 19.23 ug/ml



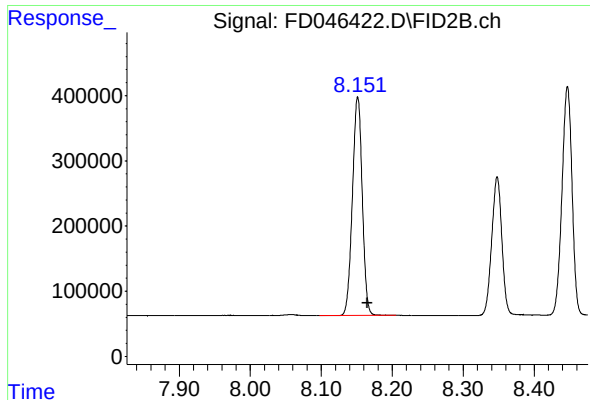
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.883 min
Delta R.T.: -0.012 min
Response: 3552352
Conc: 19.13 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.494 min
Delta R.T.: -0.011 min
Response: 3240072
Conc: 19.18 ug/ml



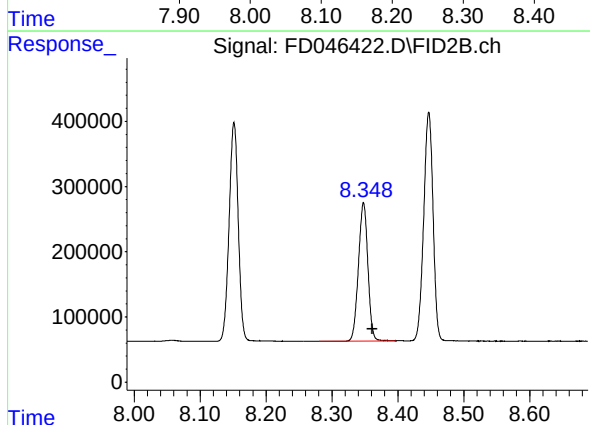
#5 Acenaphthylene (C15.06)

R.T.: 8.151 min
Delta R.T.: -0.014 min
Response: 3225908
Conc: 18.96 ug/ml

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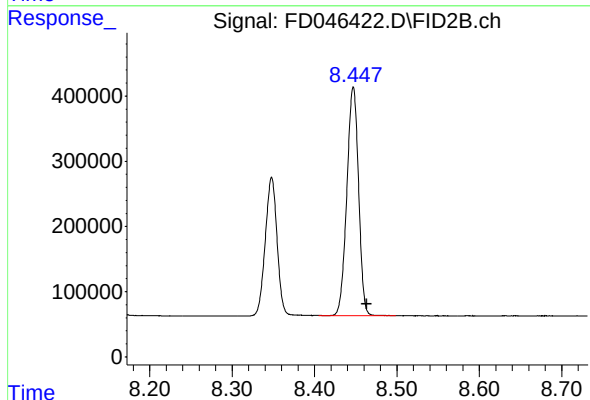
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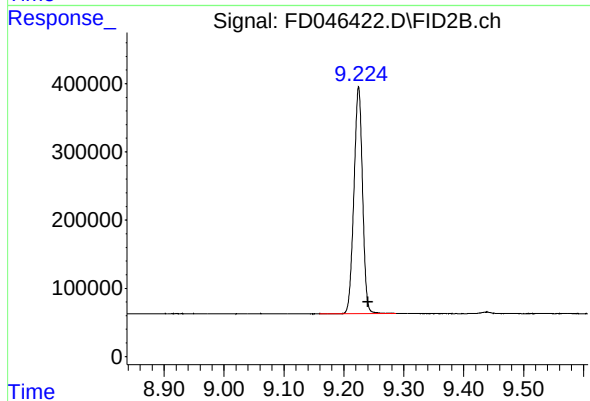
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.348 min
Delta R.T.: -0.013 min
Response: 2104816
Conc: 18.91 ug/ml



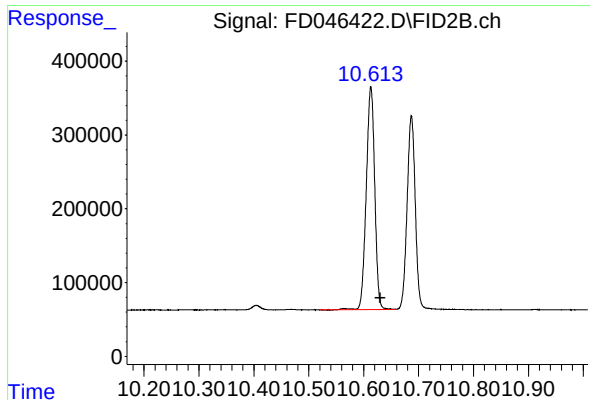
#7 Acenaphthene (C15.5)

R.T.: 8.447 min
Delta R.T.: -0.016 min
Response: 3455738
Conc: 19.18 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.225 min
Delta R.T.: -0.016 min
Response: 3311693
Conc: 18.94 ug/ml



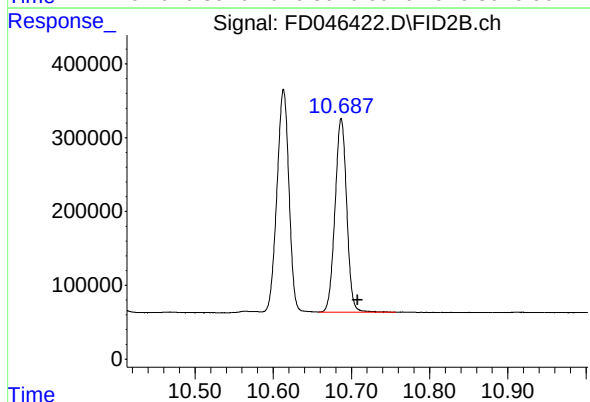
#9 Phenanthrene (C19.36)

R.T.: 10.613 min
Delta R.T.: -0.017 min
Response: 3254415
Conc: 18.97 ug/ml

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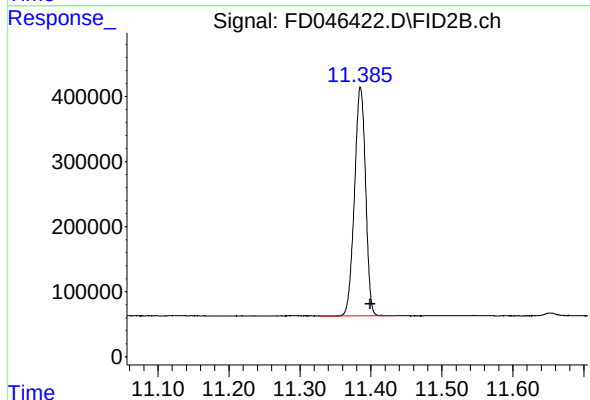
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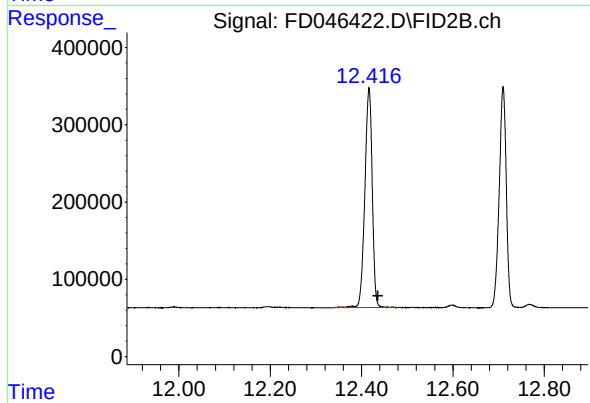
#10 Anthracene (C19.43)

R.T.: 10.687 min
Delta R.T.: -0.021 min
Response: 2724201
Conc: 16.15 ug/ml



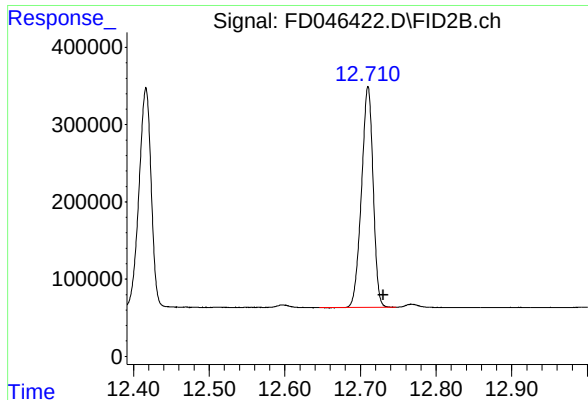
#11 ortho-Terphenyl (SURRE)

R.T.: 11.385 min
Delta R.T.: -0.014 min
Response: 3819451
Conc: 19.47 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.416 min
Delta R.T.: -0.020 min
Response: 3198384
Conc: 19.22 ug/ml



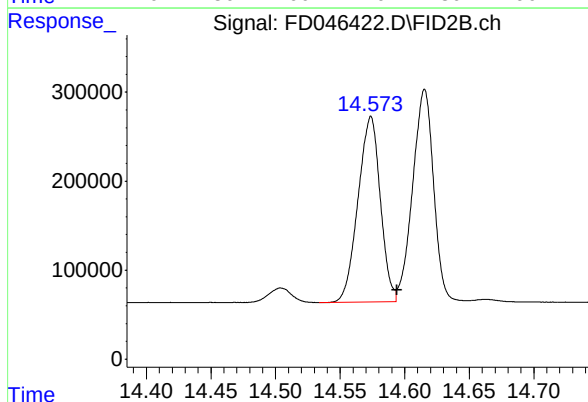
#13 Pyrene (C20.8)

R.T.: 12.710 min
Delta R.T.: -0.021 min
Response: 3054421
Conc: 18.95 ug/ml

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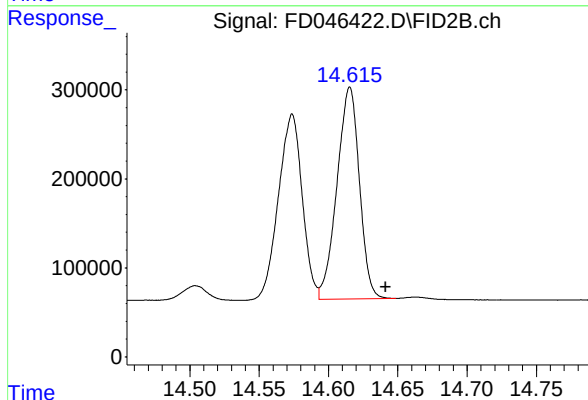
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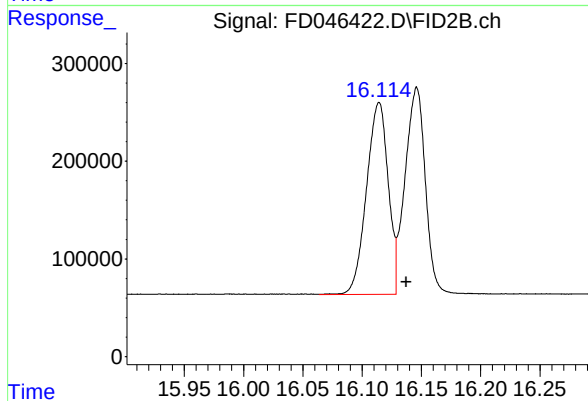
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.574 min
Delta R.T.: -0.020 min
Response: 2499252
Conc: 17.76 ug/ml



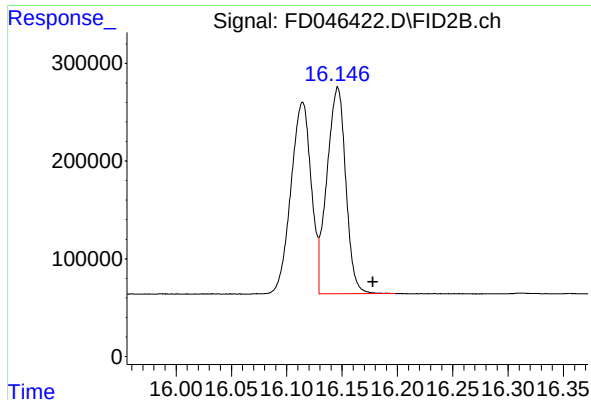
#15 Chrysene (C27.41)

R.T.: 14.615 min
Delta R.T.: -0.026 min
Response: 2677954
Conc: 18.05 ug/ml



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

R.T.: 16.114 min
Delta R.T.: -0.024 min
Response: 2520445
Conc: 18.55 ug/ml m



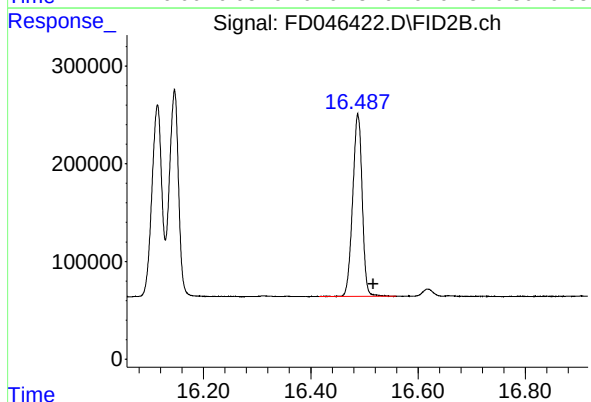
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.146 min
Delta R.T.: -0.032 min
Response: 2502407
Conc: 18.45 ug/ml

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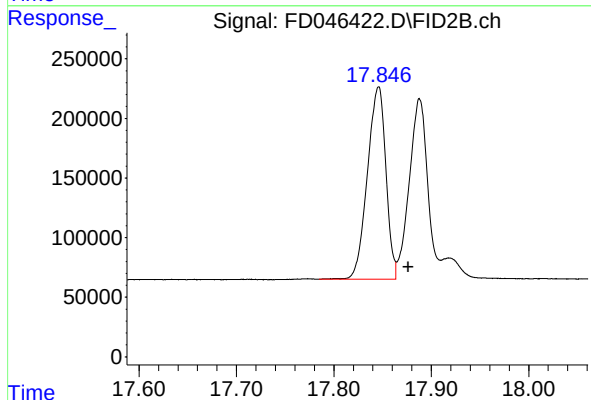
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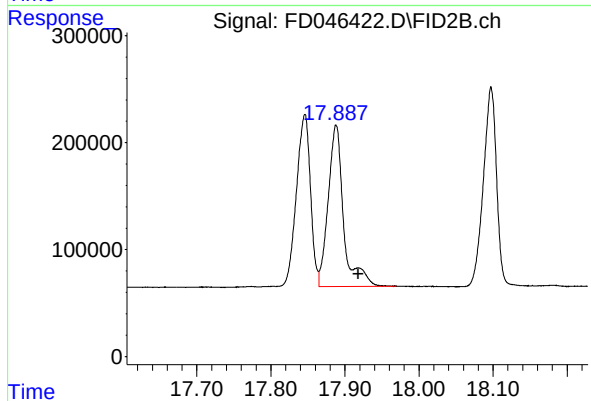
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.488 min
Delta R.T.: -0.029 min
Response: 2297810
Conc: 17.44 ug/ml



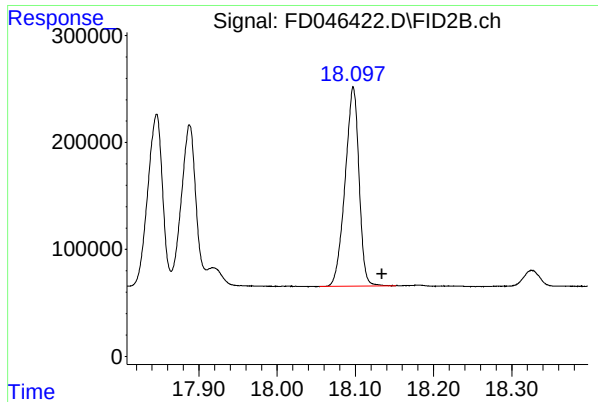
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.846 min
Delta R.T.: -0.030 min
Response: 2121606
Conc: 17.01 ug/ml m



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

R.T.: 17.888 min
Delta R.T.: -0.031 min
Response: 2181052
Conc: 17.41 ug/ml



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

R.T.: 18.097 min
Delta R.T.: -0.037 min
Response: 2304880
Conc: 17.97 ug/ml

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