

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD112923AR\
 Data File : FD046982.D
 Signal(s) : FID2B.ch
 Acq On : 29 Nov 2023 20:35
 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 11/30/2023
 Supervised By :Ankita Jodhani 11/30/2023

Integration File: autoint1.e
 Quant Time: Nov 29 23:49:10 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 112423.M
 Quant Title : GC Extractables
 QLast Update : Fri Nov 24 13:30:33 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...	7.474	3414325	19.735 ug/ml
Spiked Amount 50.000		Recovery =	39.47%
6) S 2-Fluorobiphenyl (SURR)	8.327	2235702	20.560 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.12%
11) S ortho-Terphenyl (SURR)	11.365	4108460	20.646 ug/ml
Spiked Amount 50.000		Recovery =	41.29%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.288	3503505	18.830 ug/ml
2) T Naphthalene (C11.7)	5.814	3692035	19.388 ug/ml
3) T 2-Methylnaphthalene (...)	6.862	3748391	19.465 ug/ml
5) T Acenaphthylene (C15.06)	8.131	3467991	19.922 ug/ml
7) T Acenaphthene (C15.5)	8.426	3715074	20.032 ug/ml
8) T Fluorene (C16.55)	9.204	3560230	20.625 ug/ml
9) T Phenanthrene (C19.36)	10.592	3424064	20.855 ug/ml
10) T Anthracene (C19.43)	10.667	3181068	20.571 ug/ml
12) T Fluoranthene (C21.85)	12.396	3354571	21.165 ug/ml
13) T Pyrene (C20.8)	12.689	3267723	21.357 ug/ml
14) T Benzo[a]anthracene (C...	14.553	2697473	20.804 ug/mlm
15) T Chrysene (C27.41)	14.595	2932097	20.456 ug/mlm
16) T benzo[b]fluoranthene ...	16.095	2783202	20.837 ug/ml
17) T Bnezo[k]fluoranthene ...	16.126	2861618	20.945 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.469	2675926	20.425 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.827	2278908	19.099 ug/ml
20) T Dibenz[a,h]anthracene...	17.867	2508730	19.307 ug/ml
21) T Benzo[g,h,i]perylene ...	18.077	2532550	19.356 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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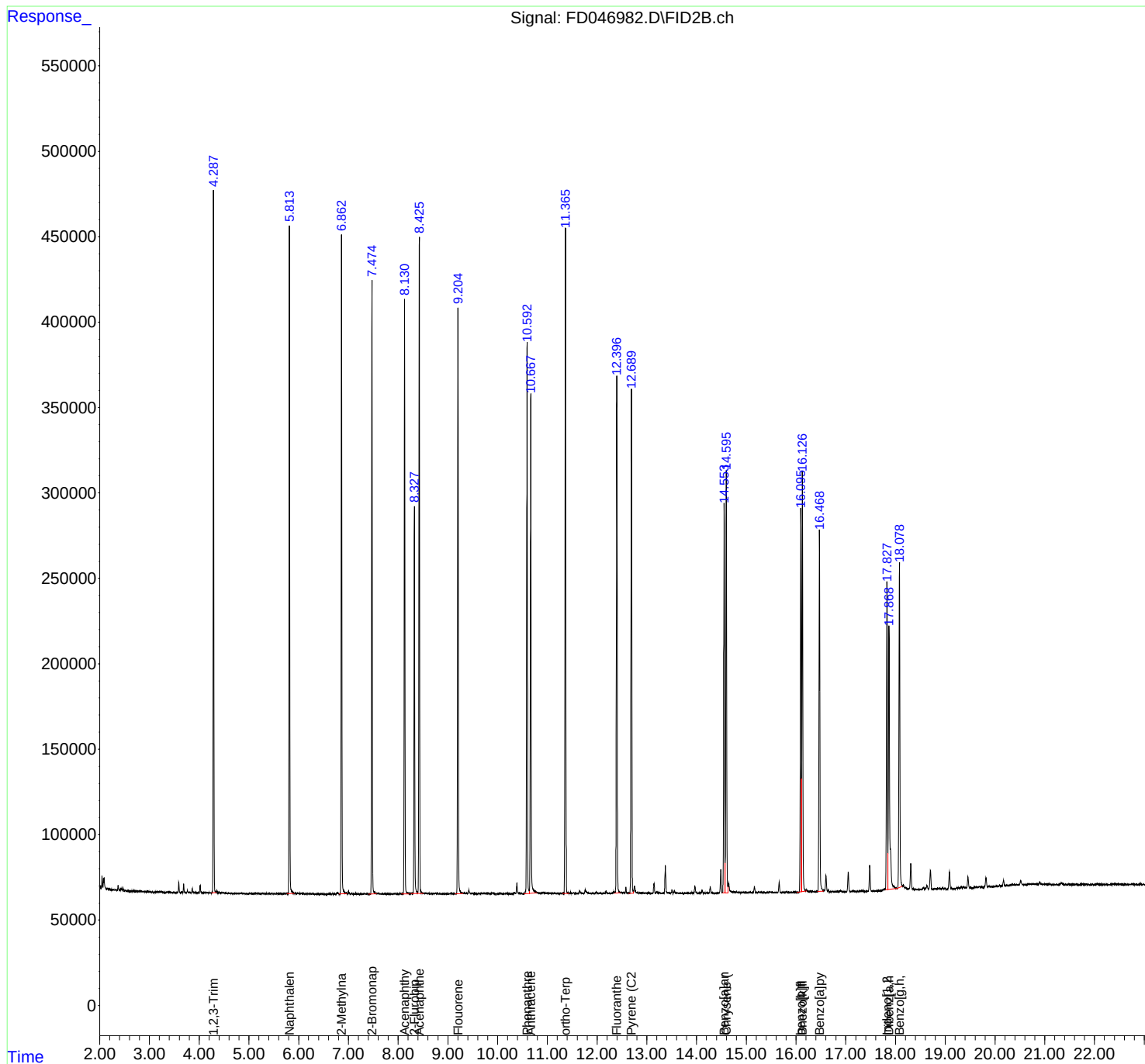
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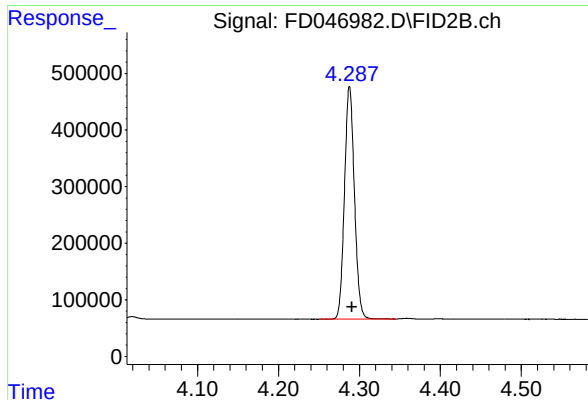
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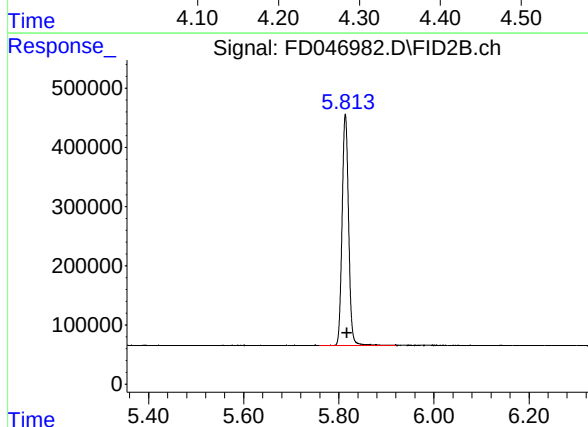
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.288 min
Delta R.T.: -0.003 min
Response: 3503505
Conc: 18.83 ug/ml

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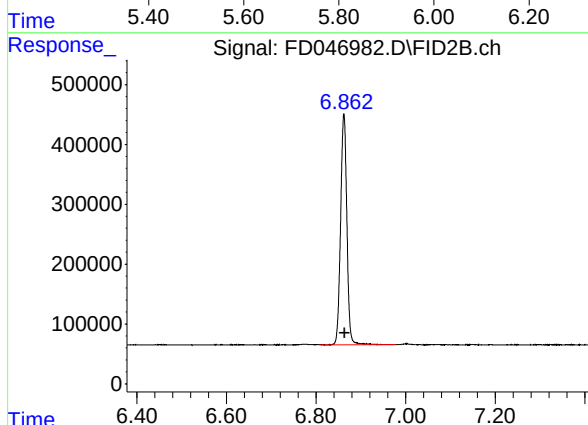
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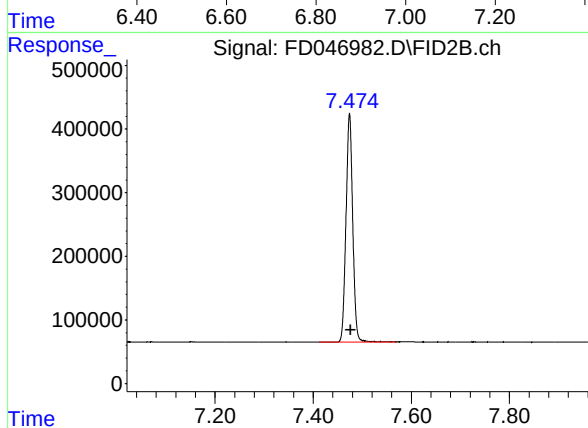
#2 Naphthalene (C11.7)

R.T.: 5.814 min
Delta R.T.: -0.003 min
Response: 3692035
Conc: 19.39 ug/ml



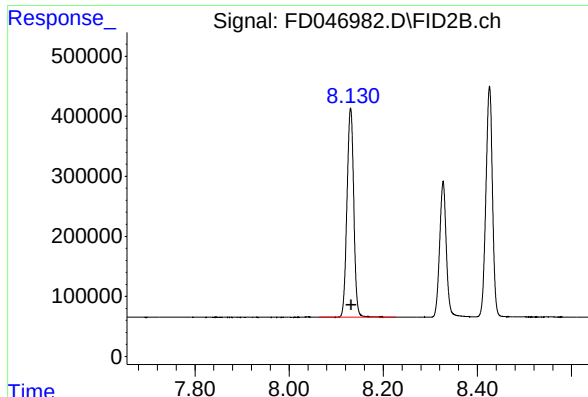
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.862 min
Delta R.T.: -0.002 min
Response: 3748391
Conc: 19.46 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.474 min
Delta R.T.: -0.002 min
Response: 3414325
Conc: 19.74 ug/ml



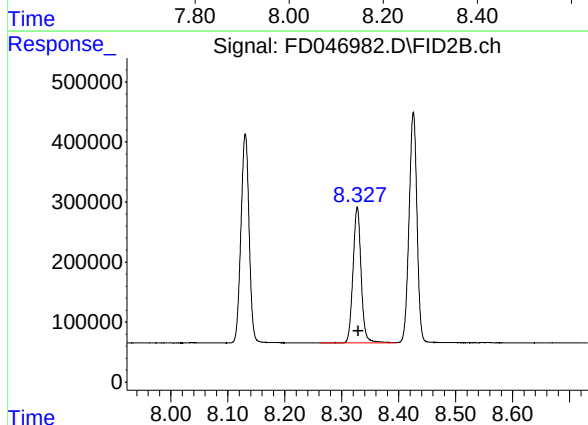
#5 Acenaphthylene (C15.06)

R.T.: 8.131 min
Delta R.T.: -0.002 min
Response: 3467991
Conc: 19.92 ug/ml

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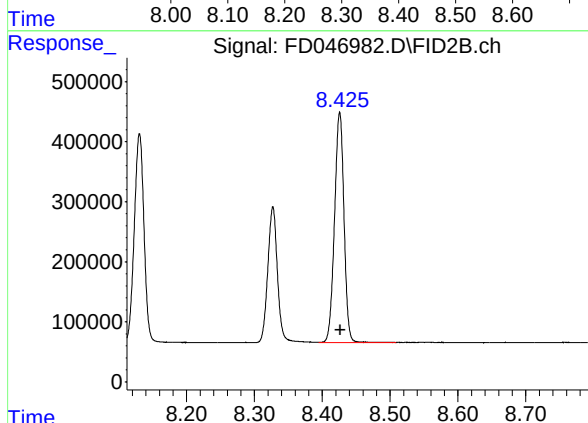
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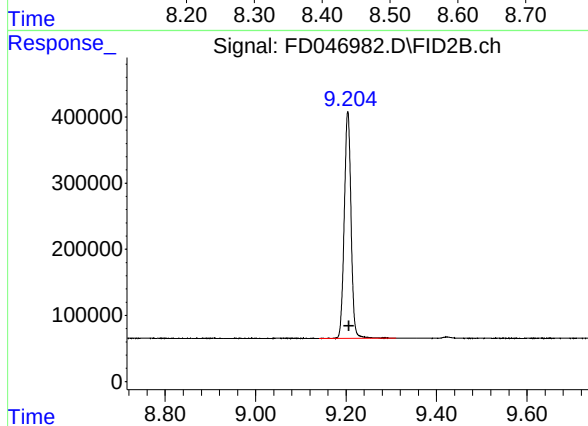
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.327 min
Delta R.T.: -0.002 min
Response: 2235702
Conc: 20.56 ug/ml



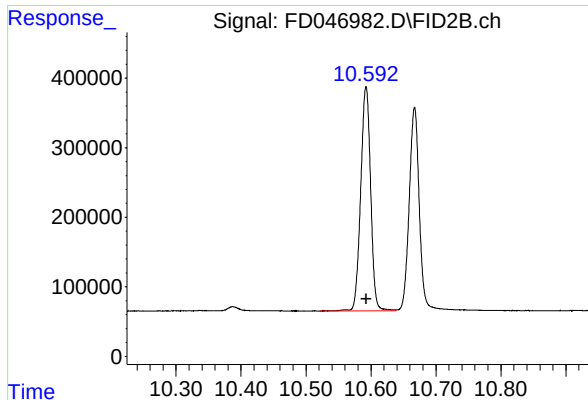
#7 Acenaphthene (C15.5)

R.T.: 8.426 min
Delta R.T.: 0.000 min
Response: 3715074
Conc: 20.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.204 min
Delta R.T.: -0.002 min
Response: 3560230
Conc: 20.63 ug/ml



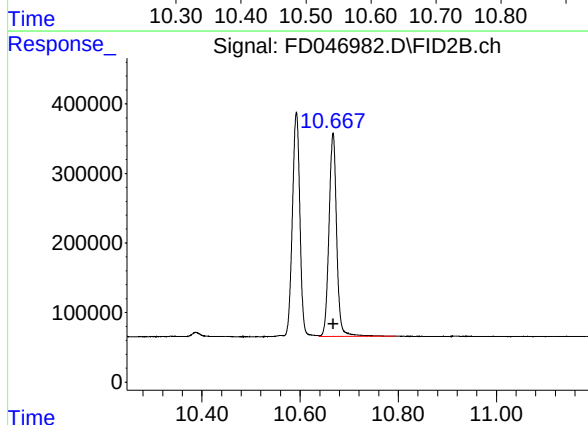
#9 Phenanthrene (C19.36)

R.T.: 10.592 min
Delta R.T.: 0.000 min
Response: 3424064
Conc: 20.85 ug/ml

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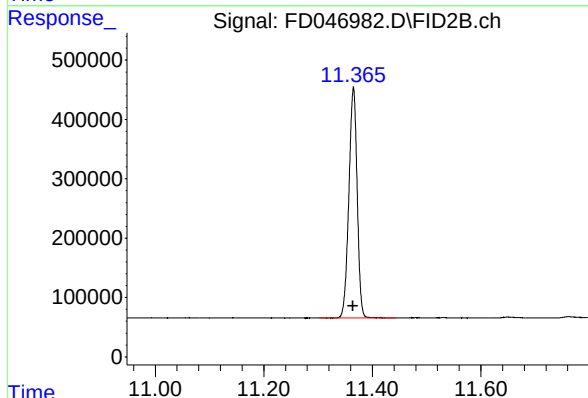
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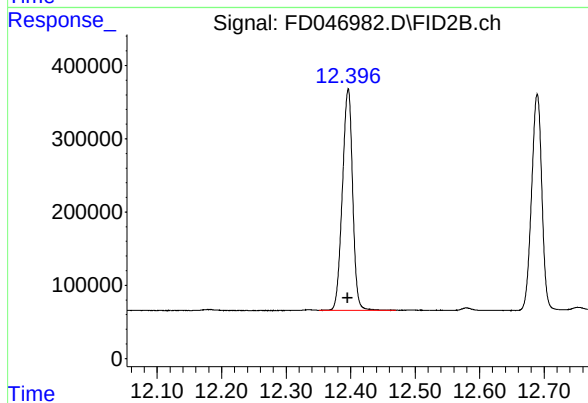
#10 Anthracene (C19.43)

R.T.: 10.667 min
Delta R.T.: 0.000 min
Response: 3181068
Conc: 20.57 ug/ml



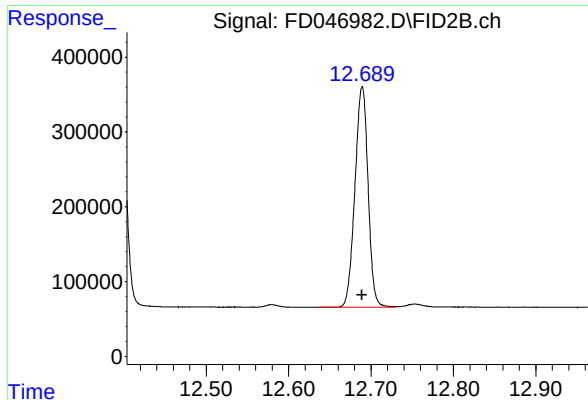
#11 ortho-Terphenyl (SURR)

R.T.: 11.365 min
Delta R.T.: 0.000 min
Response: 4108460
Conc: 20.65 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.396 min
Delta R.T.: 0.000 min
Response: 3354571
Conc: 21.17 ug/ml



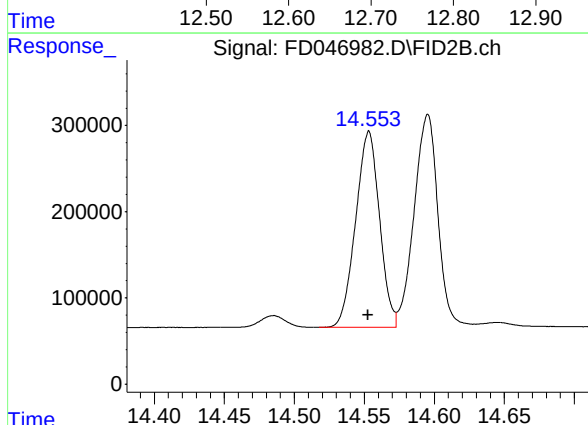
#13 Pyrene (C20.8)

R.T.: 12.689 min
Delta R.T.: 0.000 min
Response: 3267723
Conc: 21.36 ug/ml

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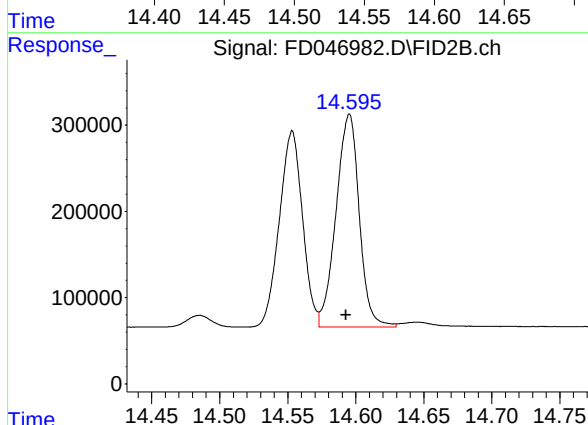
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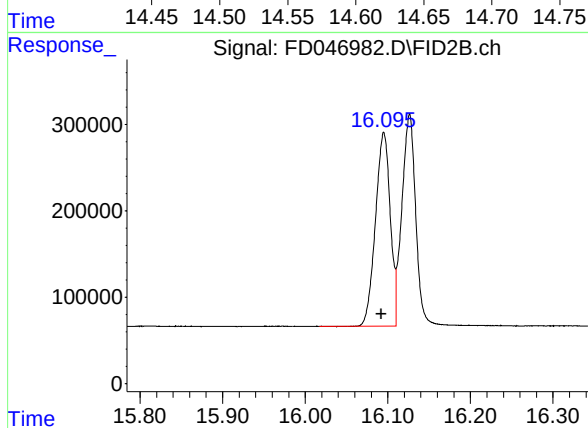
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.553 min
Delta R.T.: 0.000 min
Response: 2697473
Conc: 20.80 ug/ml m



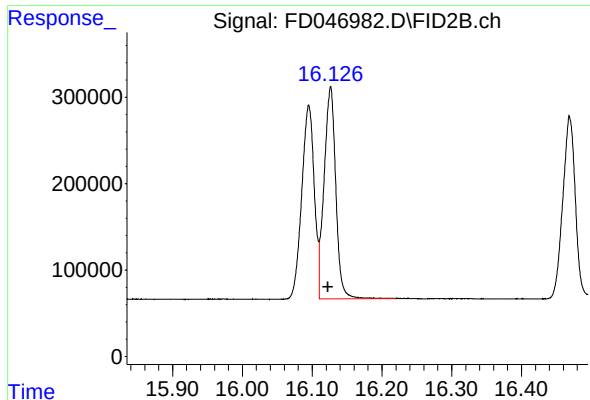
#15 Chrysene (C27.41)

R.T.: 14.595 min
Delta R.T.: 0.002 min
Response: 2932097
Conc: 20.46 ug/ml m



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

R.T.: 16.095 min
Delta R.T.: 0.003 min
Response: 2783202
Conc: 20.84 ug/ml



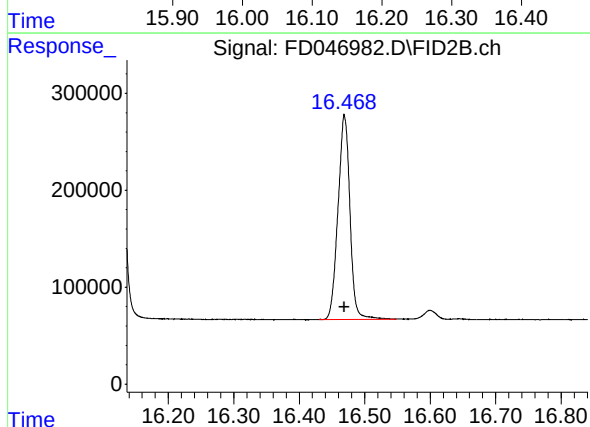
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.126 min
Delta R.T.: 0.003 min
Response: 2861618
Conc: 20.95 ug/ml

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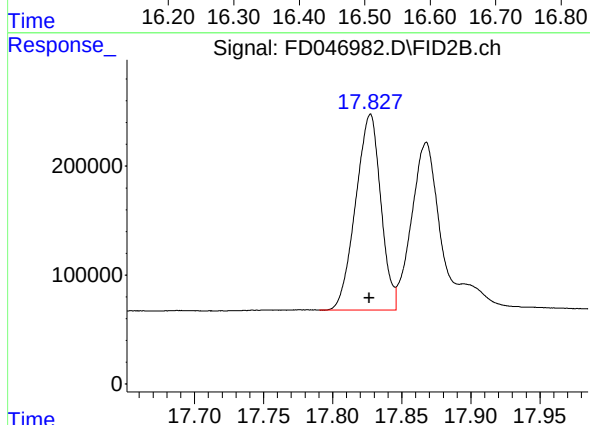
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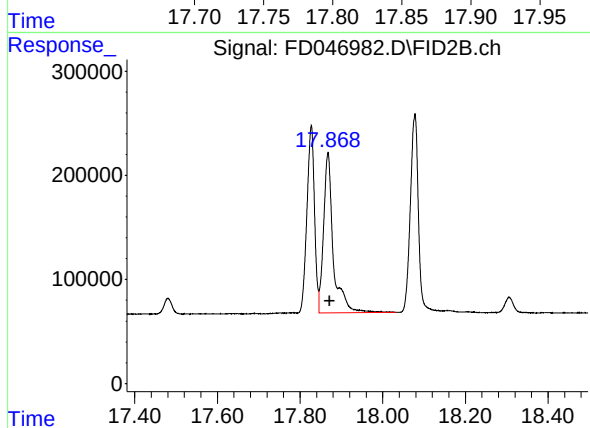
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.469 min
Delta R.T.: 0.000 min
Response: 2675926
Conc: 20.43 ug/ml



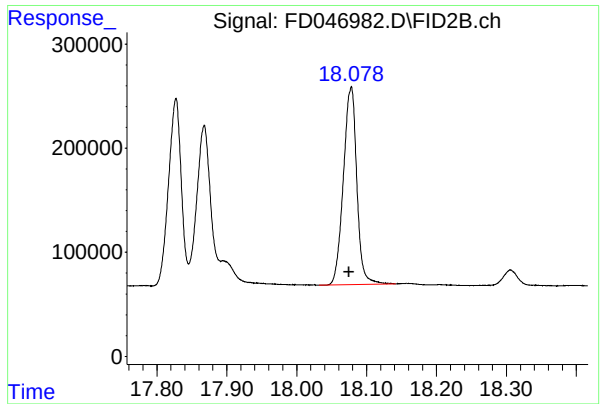
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.827 min
Delta R.T.: 0.000 min
Response: 2278908
Conc: 19.10 ug/ml



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

R.T.: 17.867 min
Delta R.T.: -0.004 min
Response: 2508730
Conc: 19.31 ug/ml



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

R.T.: 18.077 min
Delta R.T.: 0.003 min
Response: 2532550
Conc: 19.36 ug/ml

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