

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD071923AR\
 Data File : FD046132.D
 Signal(s) : FID2B.ch
 Acq On : 19 Jul 2023 17:43
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

07/20/2023
 Supervised By :Ankita
 Jodhani

07/20/2023

Integration File: autoint1.e
 Quant Time: Jul 20 03:02:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 02:58:14 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...	7.512	14046574	97.994 ug/ml
Spiked Amount 50.000		Recovery =	195.99%
6) S 2-Fluorobiphenyl (SURR)	8.367	8976580	98.886 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	197.77%#
11) S ortho-Terphenyl (SURR)	11.408	16201741	97.768 ug/ml
Spiked Amount 50.000		Recovery =	195.54%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.322	16601391	96.490 ug/ml
2) T Naphthalene (C11.7)	5.851	16680498	97.136 ug/ml
3) T 2-Methylnaphthalene (...)	6.902	16389683	97.397 ug/ml
5) T Acenaphthylene (C15.06)	8.172	14333162	97.999 ug/ml
7) T Acenaphthene (C15.5)	8.470	15318559	98.017 ug/ml
8) T Fluorene (C16.55)	9.247	14501312	98.510 ug/ml
9) T Phenanthrene (C19.36)	10.637	13530142	97.783 ug/ml
10) T Anthracene (C19.43)	10.712	12242435	97.540 ug/ml
12) T Fluoranthene (C21.85)	12.442	12818363	96.498 ug/ml
13) T Pyrene (C20.8)	12.737	12582971	96.293 ug/ml
14) T Benzo[a]anthracene (C...	14.602	12134308	96.511 ug/ml
15) T Chrysene (C27.41)	14.649	12509717	95.286 ug/ml
16) T benzo[b]fluoranthene ...	16.146	12791602	97.321 ug/ml
17) T Bnezo[k]fluoranthene ...	16.187	12604670	97.205 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.525	12266415	97.256 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.884	11775086	99.429 ug/ml
20) T Dibenz[a,h]anthracene...	17.925	11373482	94.440 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.143	11956292	97.726 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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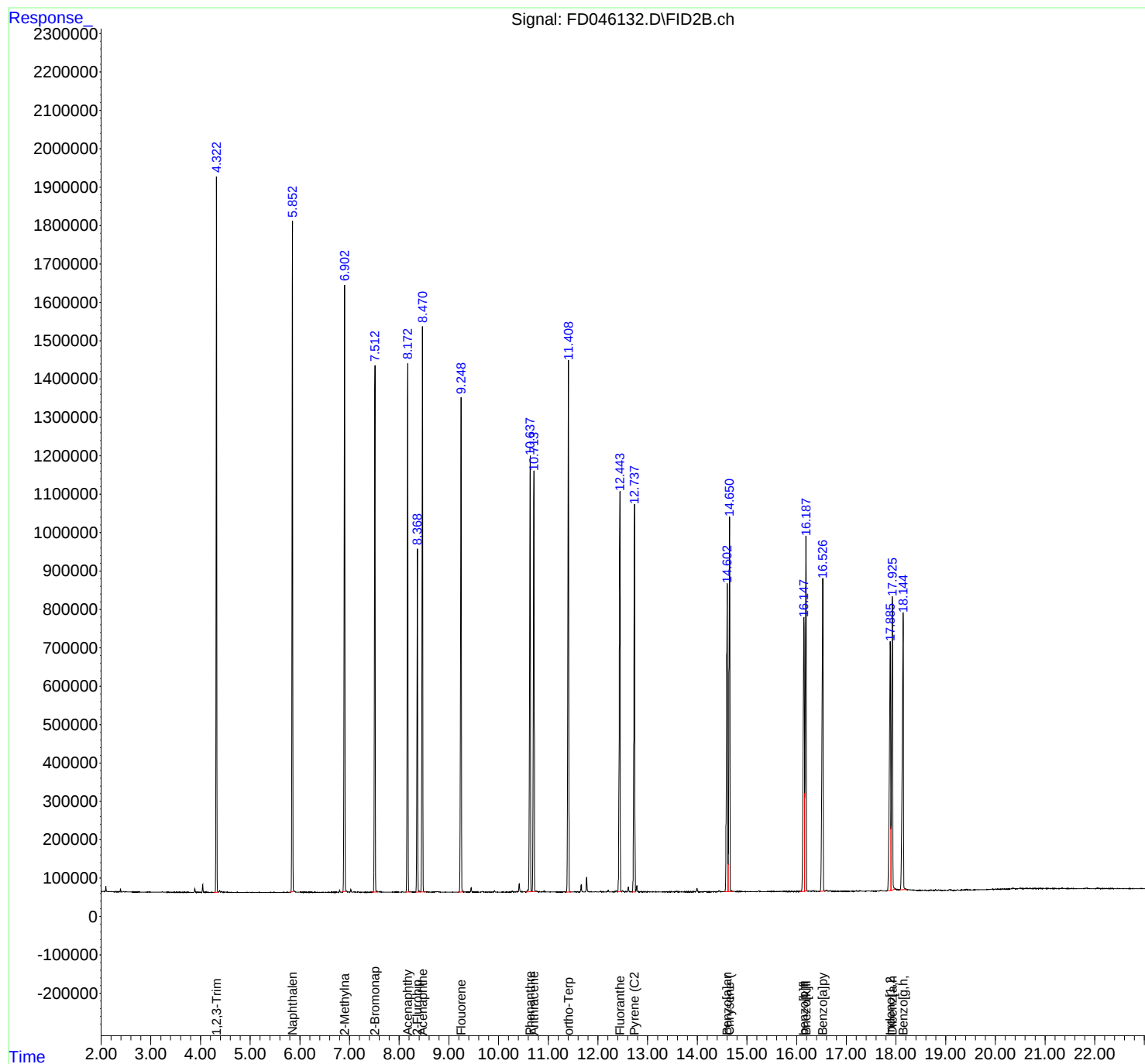
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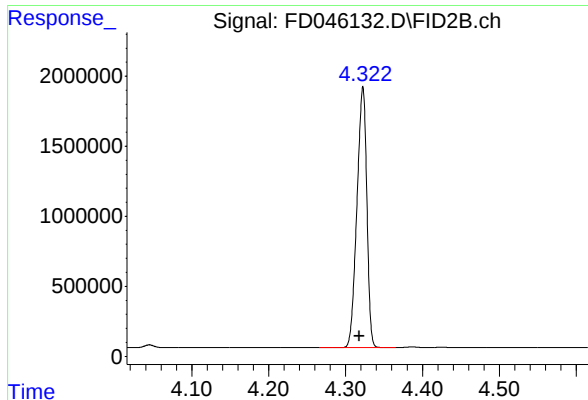
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.322 min
Delta R.T.: 0.004 min
Response: 16601391
Conc: 96.49 ug/ml

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100 PPM AROMATIC HC STD1

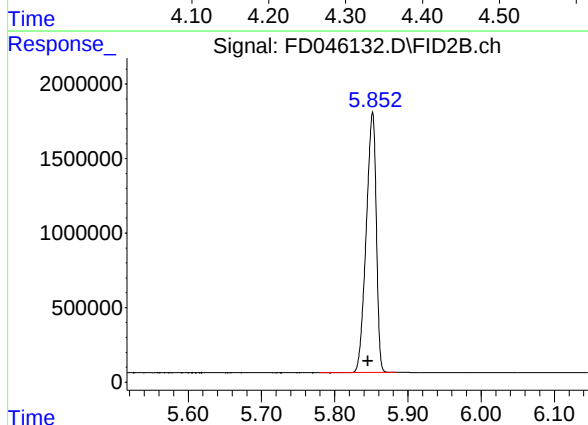
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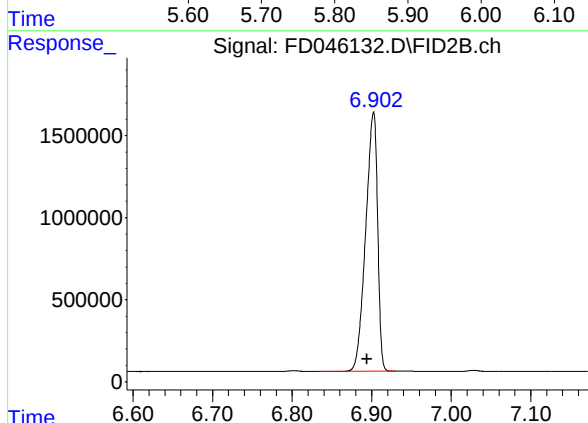
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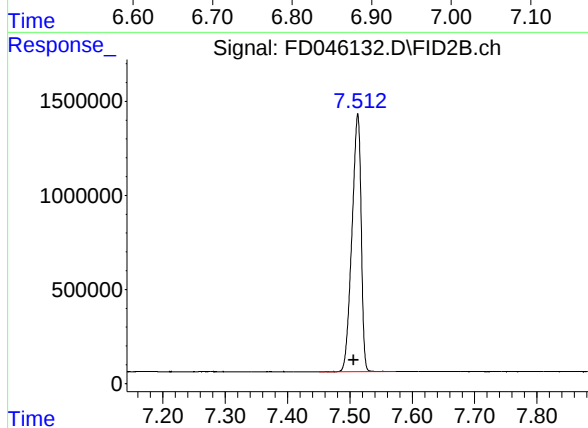
#2 Naphthalene (C11.7)

R.T.: 5.851 min
Delta R.T.: 0.005 min
Response: 16680498
Conc: 97.14 ug/ml



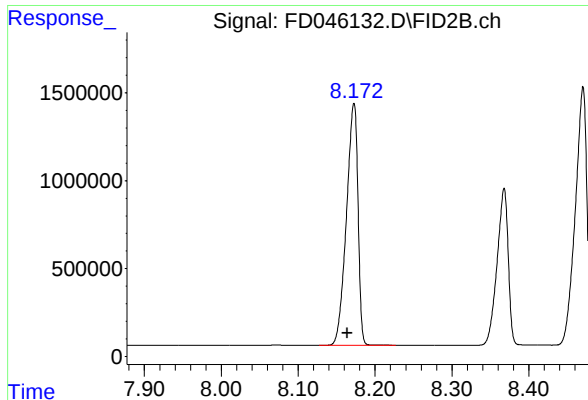
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.902 min
Delta R.T.: 0.007 min
Response: 16389683
Conc: 97.40 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.512 min
Delta R.T.: 0.006 min
Response: 14046574
Conc: 97.99 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.172 min
Delta R.T.: 0.008 min
Response: 14333162
Conc: 98.00 ug/ml

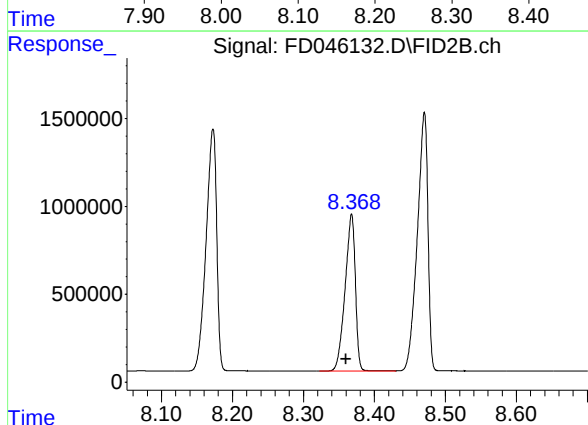
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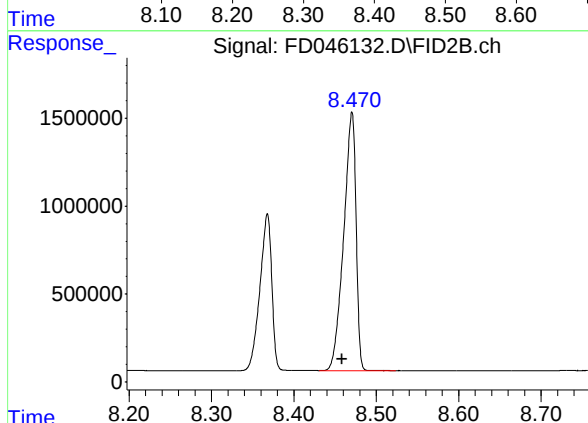
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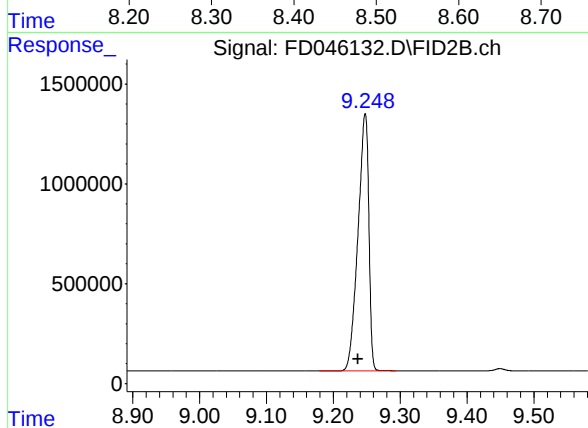
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.367 min
Delta R.T.: 0.007 min
Response: 8976580
Conc: 98.89 ug/ml



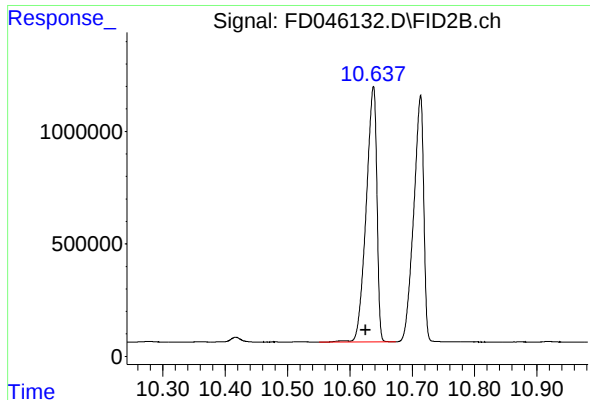
#7 Acenaphthene (C15.5)

R.T.: 8.470 min
Delta R.T.: 0.011 min
Response: 15318559
Conc: 98.02 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.247 min
Delta R.T.: 0.010 min
Response: 14501312
Conc: 98.51 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.637 min
Delta R.T.: 0.011 min
Response: 13530142
Conc: 97.78 ug/ml

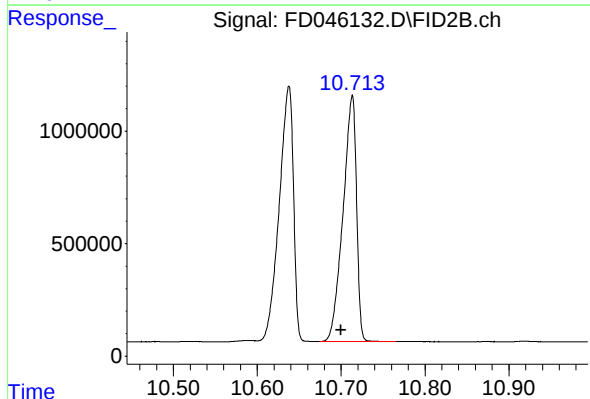
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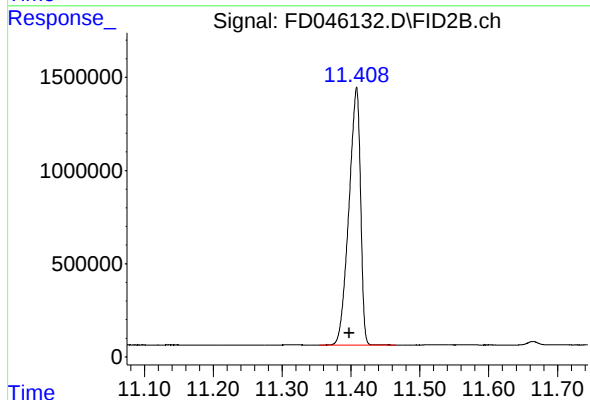
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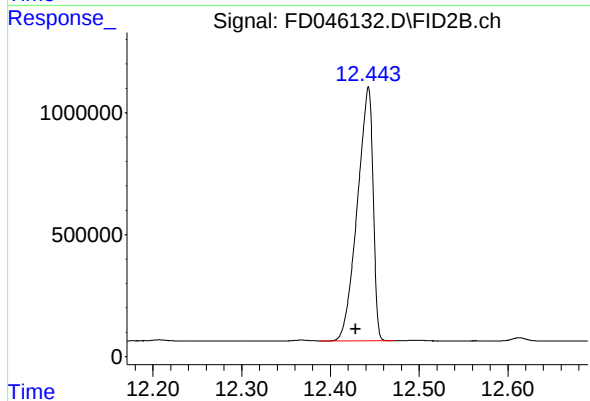
#10 Anthracene (C19.43)

R.T.: 10.712 min
Delta R.T.: 0.013 min
Response: 12242435
Conc: 97.54 ug/ml



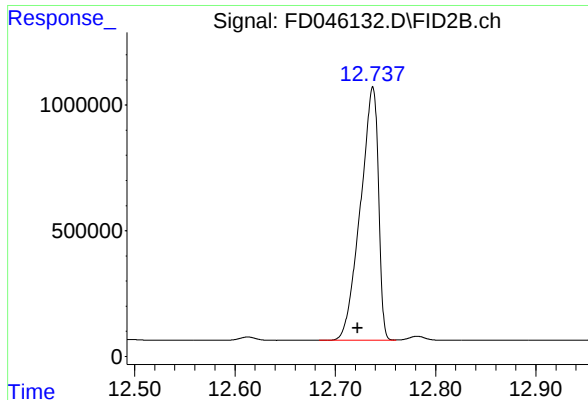
#11 ortho-Terphenyl (SURR)

R.T.: 11.408 min
Delta R.T.: 0.010 min
Response: 16201741
Conc: 97.77 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.442 min
Delta R.T.: 0.014 min
Response: 12818363
Conc: 96.50 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.737 min
Delta R.T.: 0.014 min
Response: 12582971
Conc: 96.29 ug/ml

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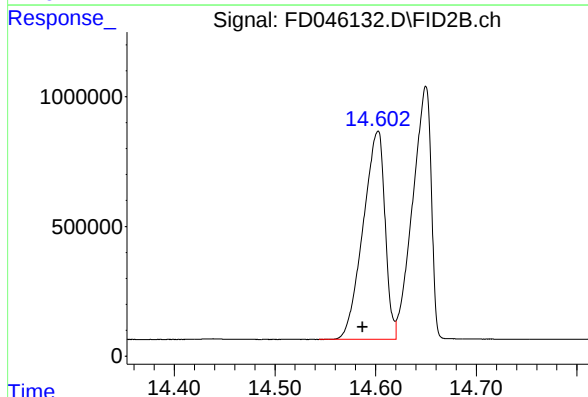
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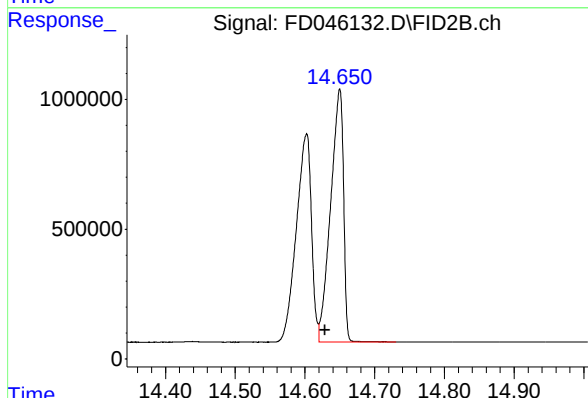
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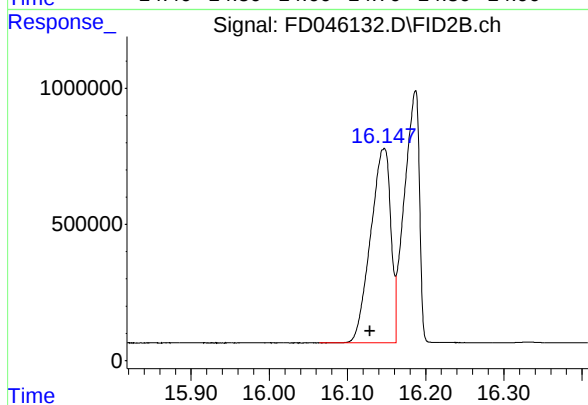
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.602 min
Delta R.T.: 0.014 min
Response: 12134308
Conc: 96.51 ug/ml



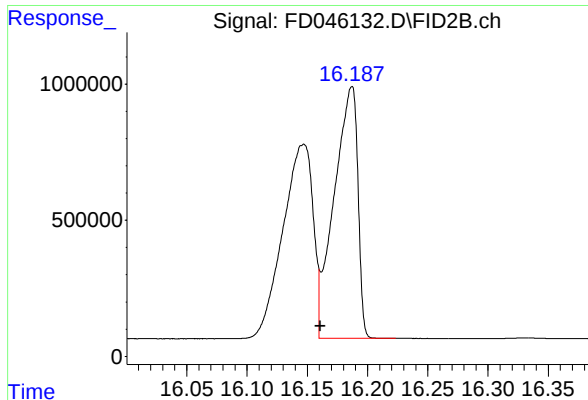
#15 Chrysene (C27.41)

R.T.: 14.649 min
Delta R.T.: 0.020 min
Response: 12509717
Conc: 95.29 ug/ml



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

R.T.: 16.146 min
Delta R.T.: 0.018 min
Response: 12791602
Conc: 97.32 ug/ml



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

R.T.: 16.187 min
Delta R.T.: 0.027 min
Response: 12604670
Conc: 97.21 ug/ml

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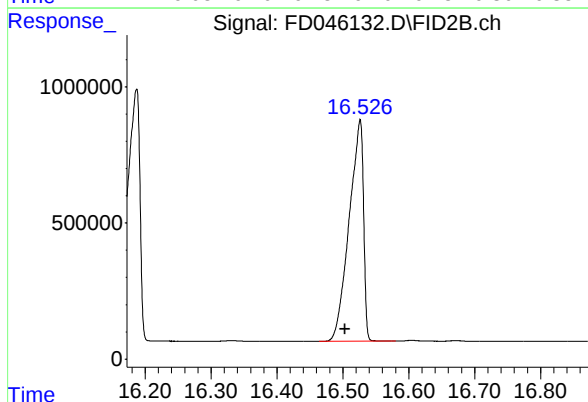
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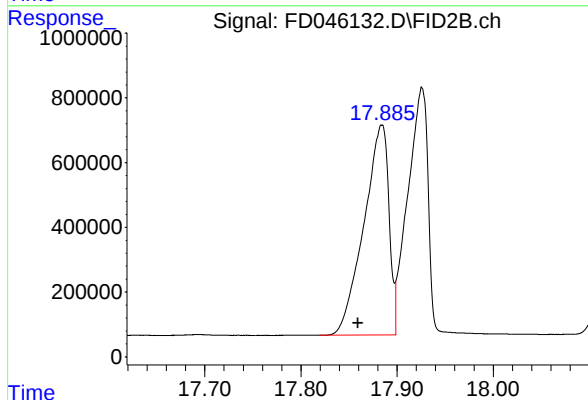
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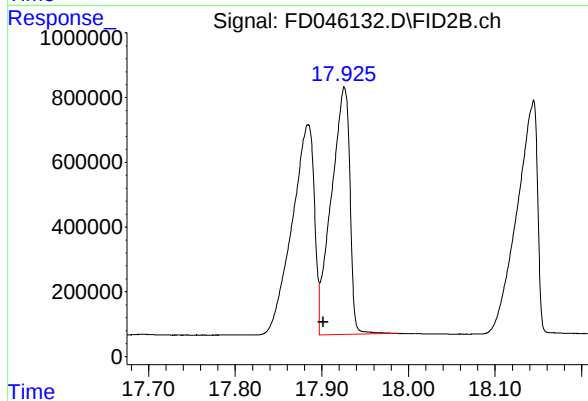
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.525 min
Delta R.T.: 0.022 min
Response: 12266415
Conc: 97.26 ug/ml



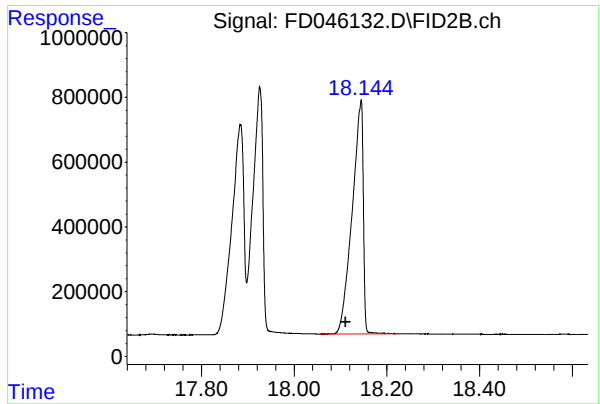
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.884 min
Delta R.T.: 0.024 min
Response: 11775086
Conc: 99.43 ug/ml



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

R.T.: 17.925 min
Delta R.T.: 0.024 min
Response: 11373482
Conc: 94.44 ug/ml m



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

R.T.: 18.143 min
Delta R.T.: 0.031 min
Response: 11956292
Conc: 97.73 ug/ml

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