

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG020525AR\
 Data File : FG015305.D
 Signal(s) : FID1A.ch
 Acq On : 05 Feb 2025 17:40
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :Ankita Jodhani 02/06/2025

Integration File: autoint1.e
 Quant Time: Feb 06 02:54:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 020525.M
 Quant Title : GC Extractables
 QLast Update : Thu Feb 06 02:53:06 2025
 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...	7.991	12848988	112.334 ug/ml
Spiked Amount 50.000		Recovery =	224.67%
6) S 2-Fluorobiphenyl (SURR)	8.872	8963864	113.456 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	226.91%#
11) S ortho-Terphenyl (SURR)	11.950	14729907	112.287 ug/ml
Spiked Amount 50.000		Recovery =	224.57%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.579	13327836	111.551 ug/ml
2) T Naphthalene (C11.7)	6.259	14256132	112.097 ug/ml
3) T 2-Methylnaphthalene (...)	7.363	14200304	112.530 ug/ml
5) T Acenaphthylene (C15.06)	8.672	14693231	112.609 ug/ml
7) T Acenaphthene (C15.5)	8.975	14363249	112.583 ug/ml
8) T Flouorene (C16.55)	9.768	14734512	113.260 ug/ml
9) T Phenanthrene (C19.36)	11.182	14438053	114.309 ug/ml
10) T Anthracene (C19.43)	11.259	14038298	113.204 ug/ml
12) T Fluoranthene (C21.85)	13.013	14153137	113.865 ug/ml
13) T Pyrene (C20.8)	13.315	14000597	113.868 ug/ml
14) T Benzo[a]anthracene (C...	15.203	13566227	113.945 ug/ml
15) T Chrysene (C27.41)	15.253	13458727	112.697 ug/mlm
16) T benzo[b]fluoranthene ...	16.771	14120121	116.806 ug/ml
17) T Bnezo[k]fluoranthene ...	16.812	13754504	114.217 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.157	13564911	115.616 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.539	14636728	124.011 ug/ml
20) T Dibenz[a,h]anthracene...	18.578	13717231	107.978 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.804	14574417	115.175 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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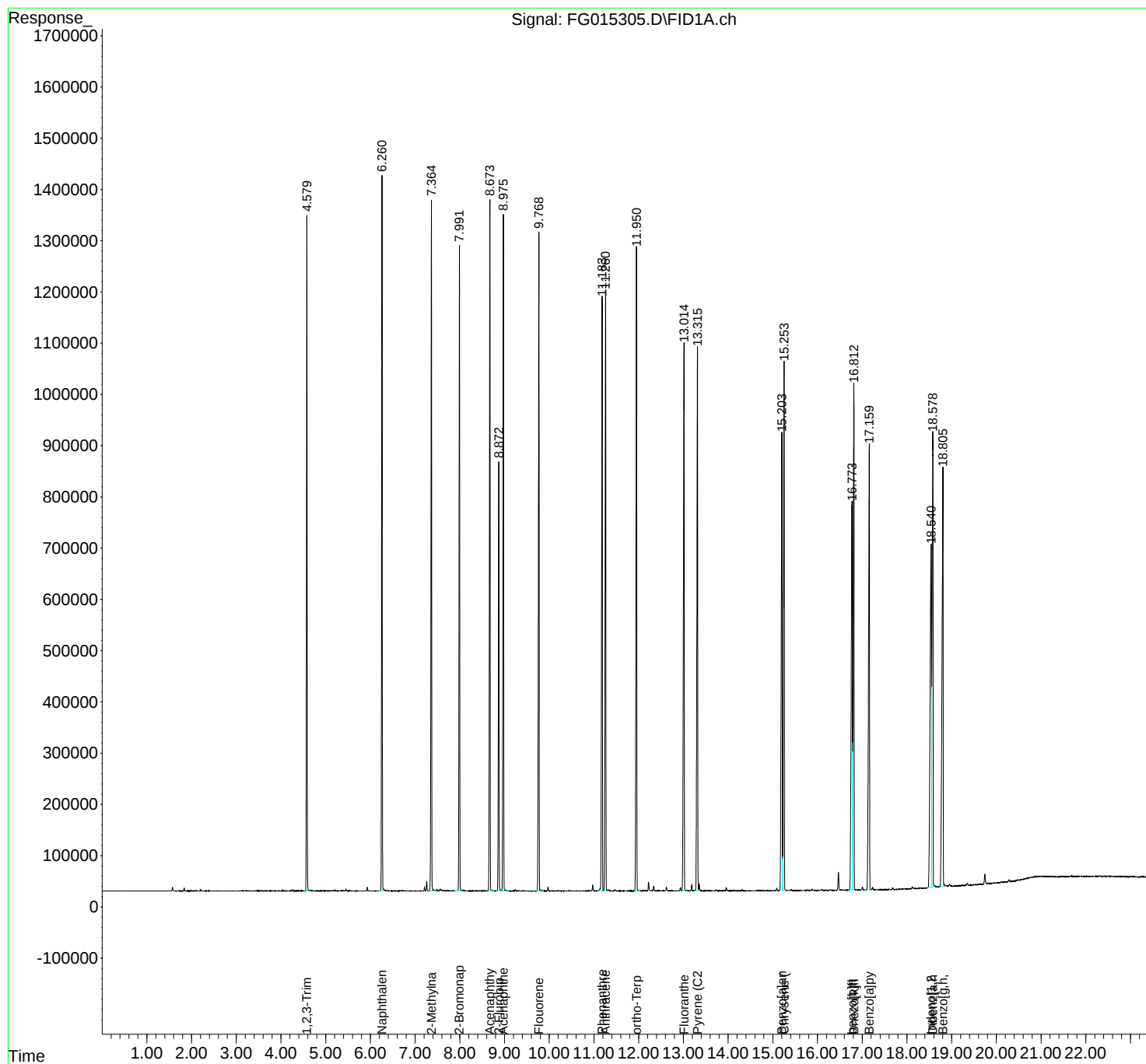
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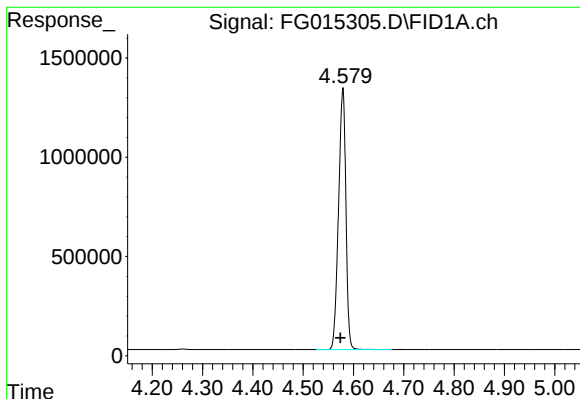
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.579 min
Delta R.T.: 0.005 min
Response: 13327836
Conc: 111.55 ug/ml

Instrument :

FID_G

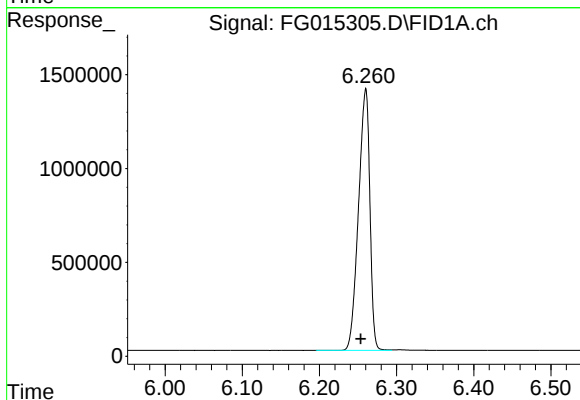
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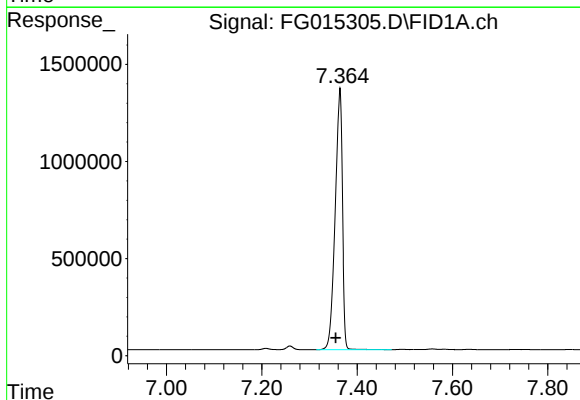
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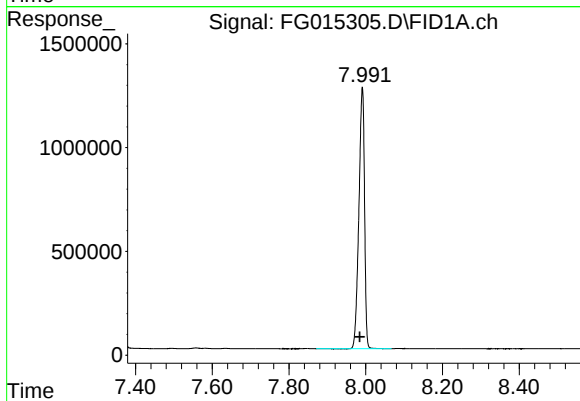
#2 Naphthalene (C11.7)

R.T.: 6.259 min
Delta R.T.: 0.006 min
Response: 14256132
Conc: 112.10 ug/ml



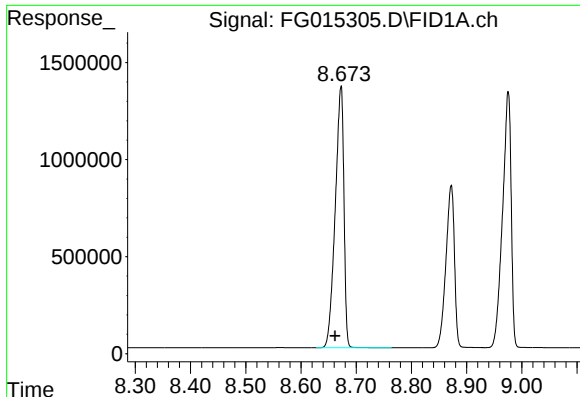
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.363 min
Delta R.T.: 0.008 min
Response: 14200304
Conc: 112.53 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.991 min
Delta R.T.: 0.006 min
Response: 12848988
Conc: 112.33 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.672 min
Delta R.T.: 0.010 min
Response: 14693231
Conc: 112.61 ug/ml

Instrument :

FID_G

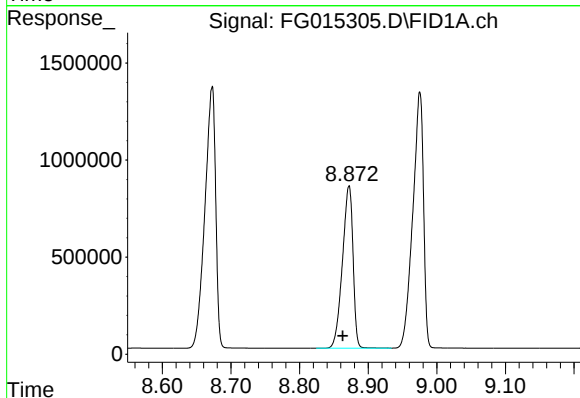
ClientSampleId :

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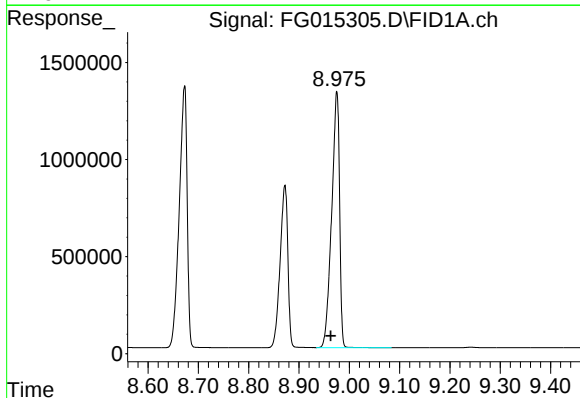
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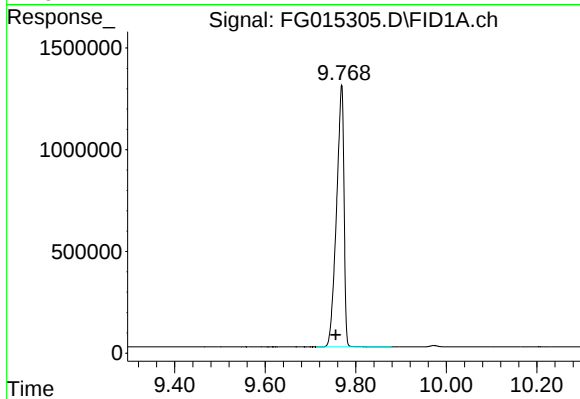
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.872 min
Delta R.T.: 0.009 min
Response: 8963864
Conc: 113.46 ug/ml



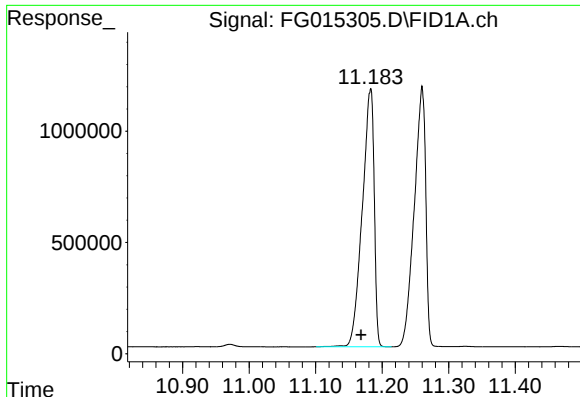
#7 Acenaphthene (C15.5)

R.T.: 8.975 min
Delta R.T.: 0.012 min
Response: 14363249
Conc: 112.58 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.768 min
Delta R.T.: 0.012 min
Response: 14734512
Conc: 113.26 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.182 min
Delta R.T.: 0.014 min
Response: 14438053
Conc: 114.31 ug/ml

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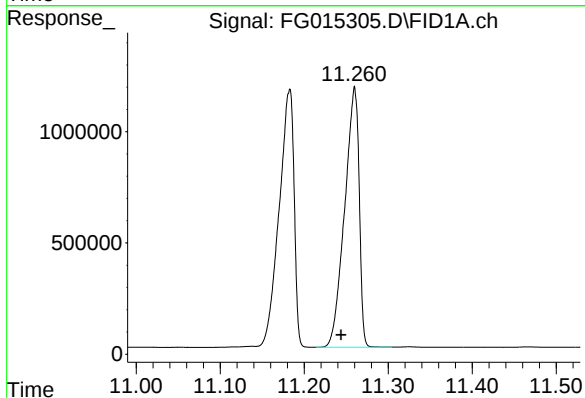
ClientSampleId :

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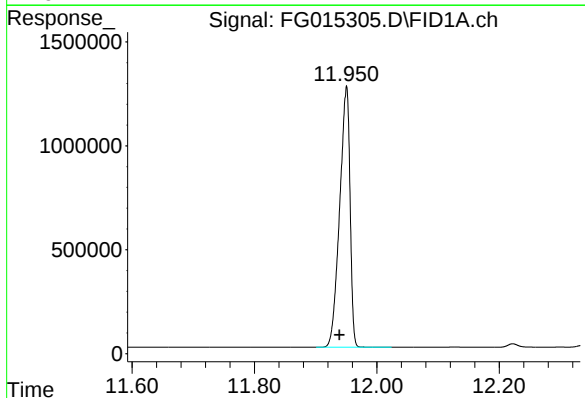
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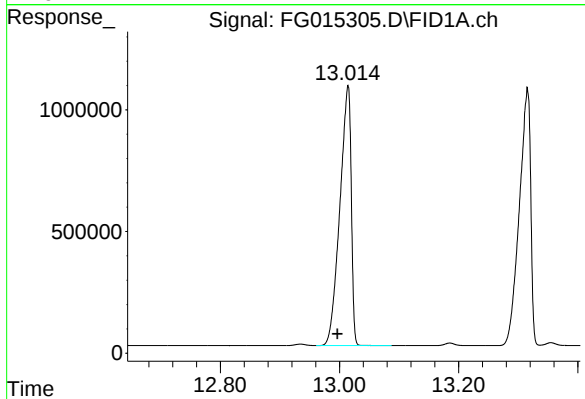
#10 Anthracene (C19.43)

R.T.: 11.259 min
Delta R.T.: 0.016 min
Response: 14038298
Conc: 113.20 ug/ml



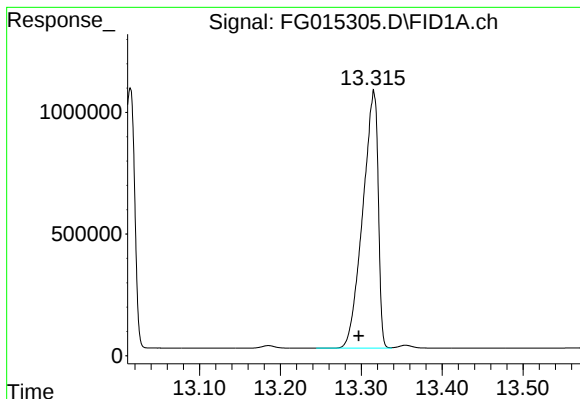
#11 ortho-Terphenyl (SURR)

R.T.: 11.950 min
Delta R.T.: 0.011 min
Response: 14729907
Conc: 112.29 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.013 min
Delta R.T.: 0.017 min
Response: 14153137
Conc: 113.87 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.315 min
Delta R.T.: 0.018 min
Response: 14000597
Conc: 113.87 ug/ml

Instrument :

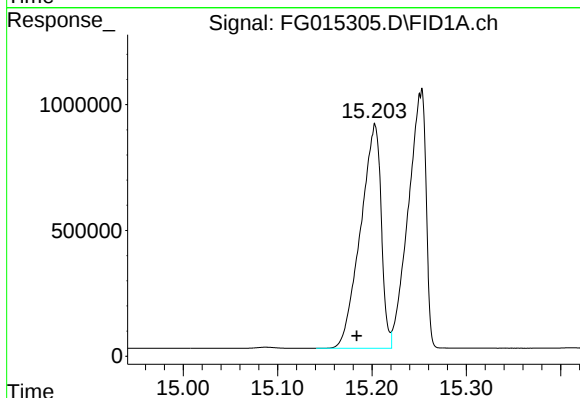
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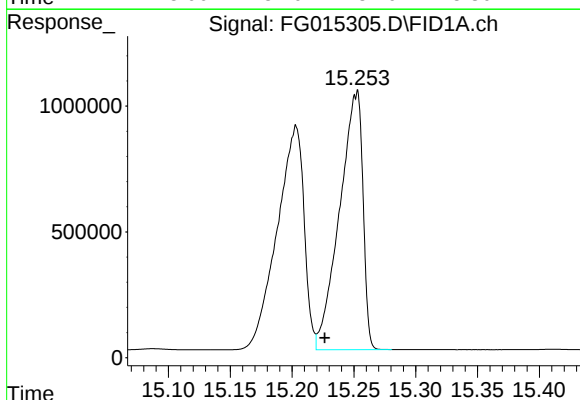
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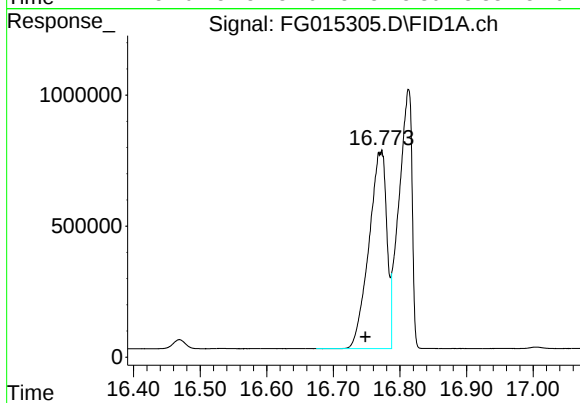
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.203 min
Delta R.T.: 0.019 min
Response: 13566227
Conc: 113.94 ug/ml



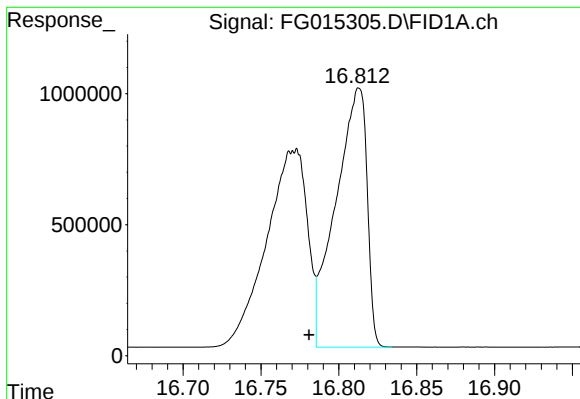
#15 Chrysene (C27.41)

R.T.: 15.253 min
Delta R.T.: 0.026 min
Response: 13458727
Conc: 112.70 ug/ml m



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

R.T.: 16.771 min
Delta R.T.: 0.023 min
Response: 14120121
Conc: 116.81 ug/ml



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

R.T.: 16.812 min
Delta R.T.: 0.031 min
Response: 13754504
Conc: 114.22 ug/ml

Instrument :

FID_G

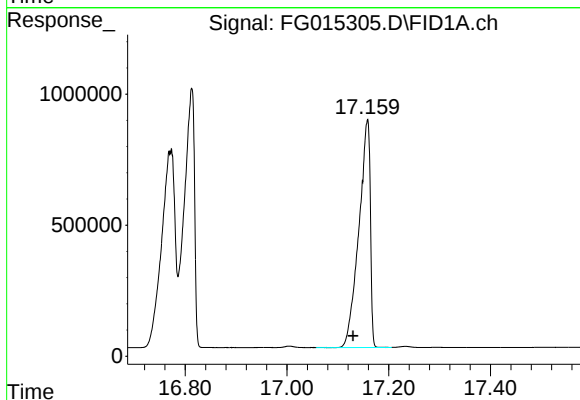
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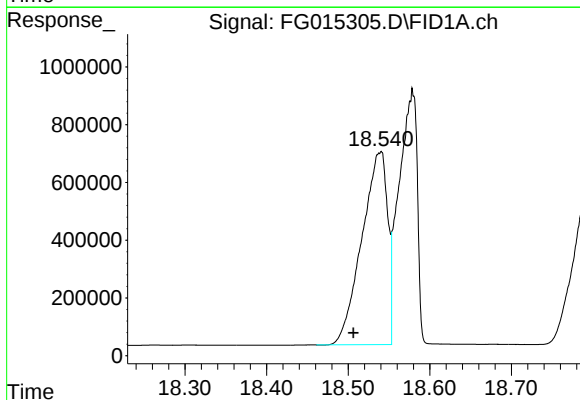
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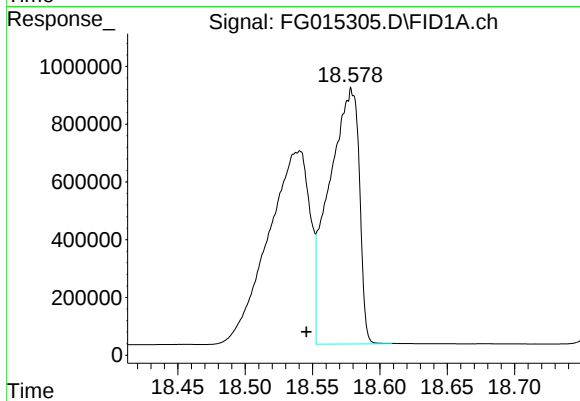
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.157 min
Delta R.T.: 0.027 min
Response: 13564911
Conc: 115.62 ug/ml



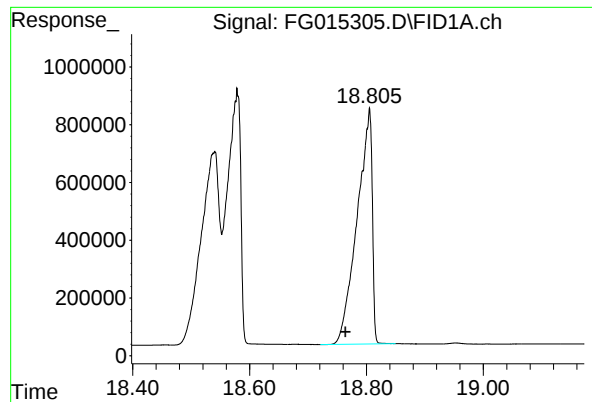
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.539 min
Delta R.T.: 0.032 min
Response: 14636728
Conc: 124.01 ug/ml



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

R.T.: 18.578 min
Delta R.T.: 0.033 min
Response: 13717231
Conc: 107.98 ug/ml m



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

R.T.: 18.804 min
Delta R.T.: 0.040 min
Response: 14574417
Conc: 115.17 ug/ml

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