

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015519.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 15:27
 Operator : YP\AJ
 Sample : Q1574-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WC1MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/21/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File: autoint1.e
 Quant Time: Mar 21 01:32:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:13:04 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...	7.972	6634311	54.311 ug/ml
Spiked Amount 50.000		Recovery =	108.62%
6) S 2-Fluorobiphenyl (SURR)	8.850	3808847	46.080 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	92.16%
11) S ortho-Terphenyl (SURR)	11.970	3804129	26.086 ug/mlm
Spiked Amount 50.000		Recovery =	52.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.561	3394165	25.542 ug/ml
2) T Naphthalene (C11.7)	6.240	5074647	37.560 ug/mlm
3) T 2-Methylnaphthalene (...)	7.342	5461706	40.945 ug/ml
5) T Acenaphthylene (C15.06)	8.648	4652940	32.853 ug/ml
7) T Acenaphthene (C15.5)	8.949	4823411	35.354 ug/mlm
8) T Flouorene (C16.55)	9.740	3067252	21.971 ug/mlm
9) T Phenanthrene (C19.36)	11.171	2919726	20.724 ug/ml
10) T Anthracene (C19.43)	11.220	7391690	54.016 ug/ml
12) T Fluoranthene (C21.85)	12.960	3610033	25.315 ug/mlm
13) T Pyrene (C20.8)	13.285	2446583	17.437 ug/mlm
14) T Benzo[a]anthracene (C...	15.172	7183996	52.967 ug/mlm
15) T Chrysene (C27.41)	15.232	15089184	107.786 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.481	24206195	217.563 ug/mlm
20) T Dibenz[a,h]anthracene...	18.518	11108184	86.323 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.726	3204847	26.820 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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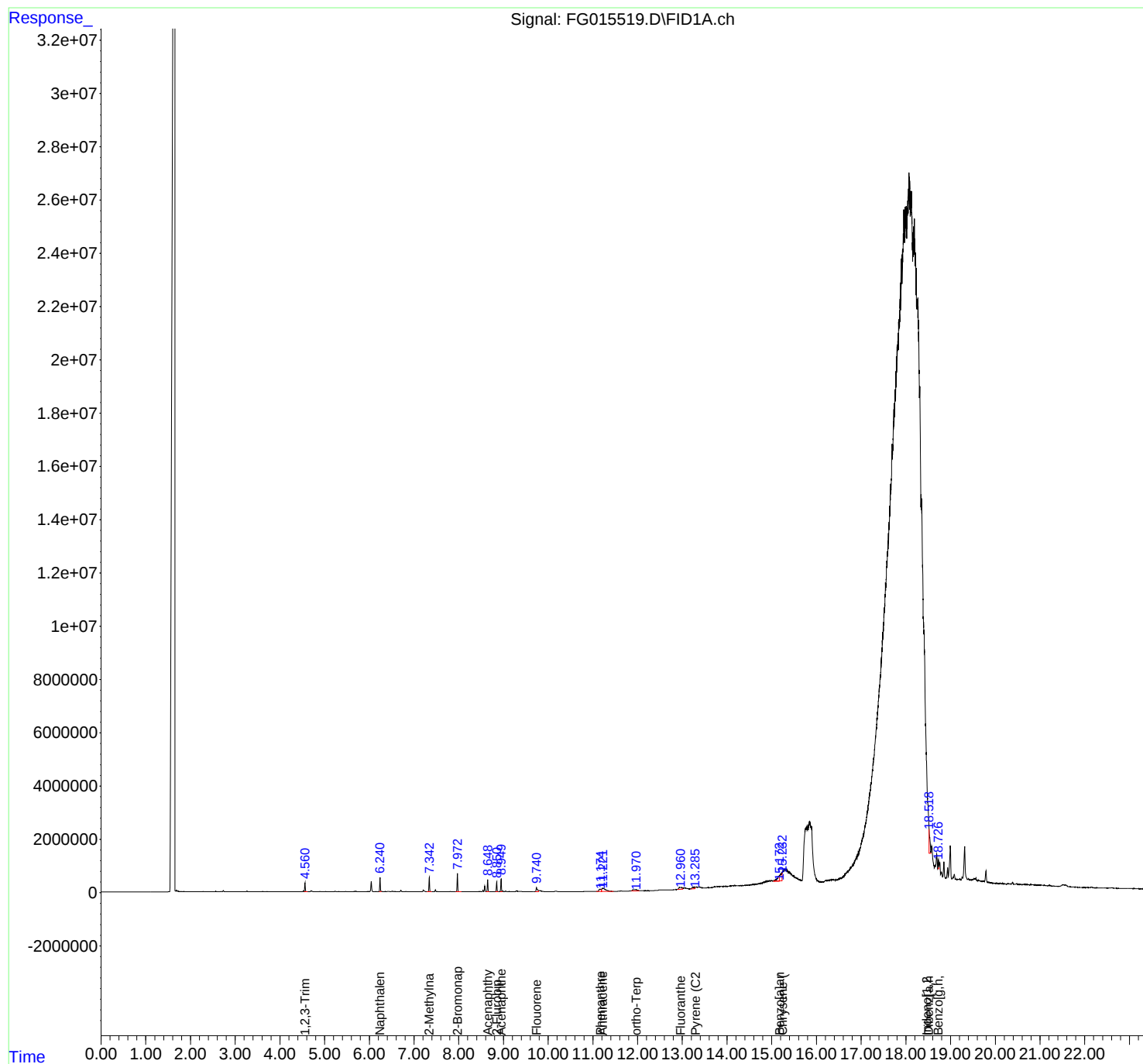
Response via : Initial Calibration

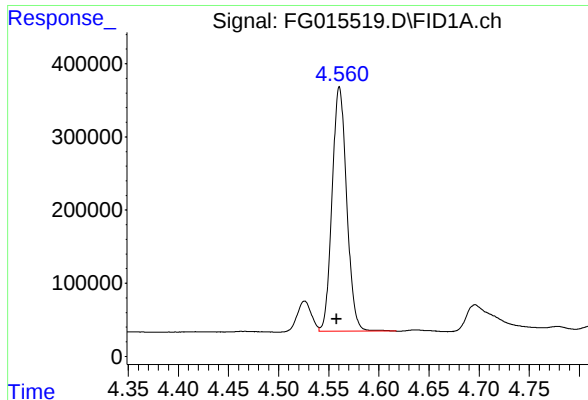
Integrator: ChemStation

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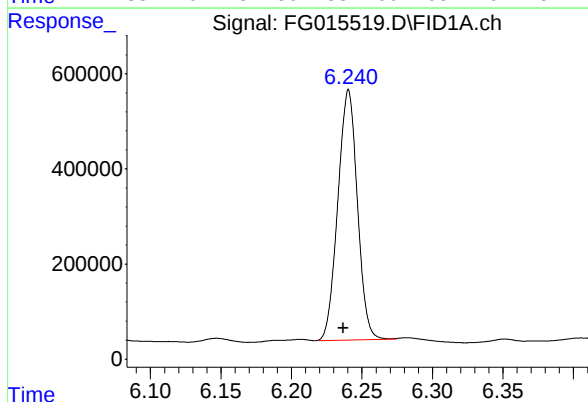
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.561 min
Delta R.T.: 0.003 min
Response: 3394165
Conc: 25.54 ug/ml

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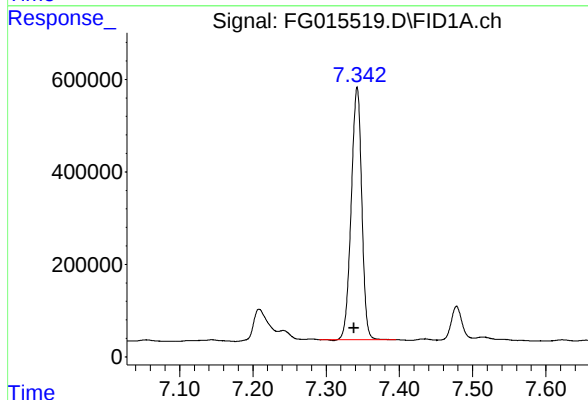
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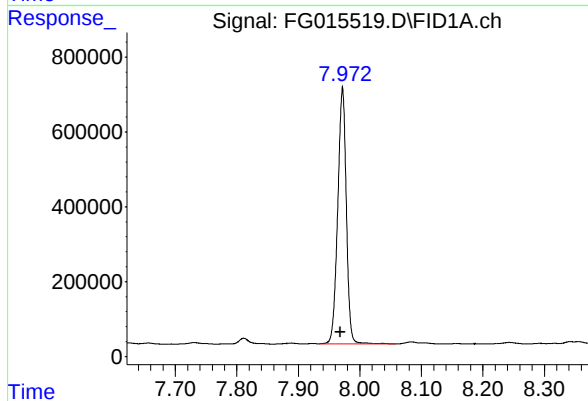
#2 Naphthalene (C11.7)

R.T.: 6.240 min
Delta R.T.: 0.003 min
Response: 5074647
Conc: 37.56 ug/ml



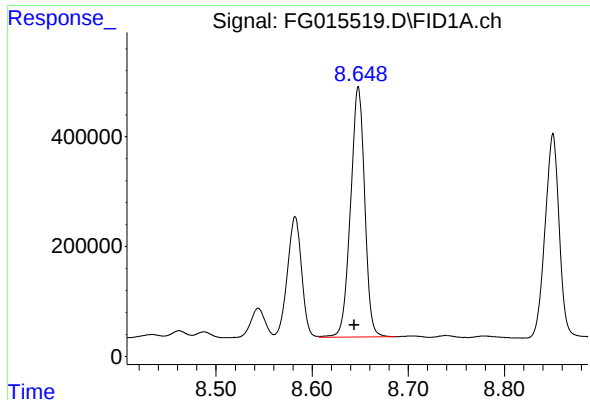
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.342 min
Delta R.T.: 0.004 min
Response: 5461706
Conc: 40.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.972 min
Delta R.T.: 0.004 min
Response: 6634311
Conc: 54.31 ug/ml



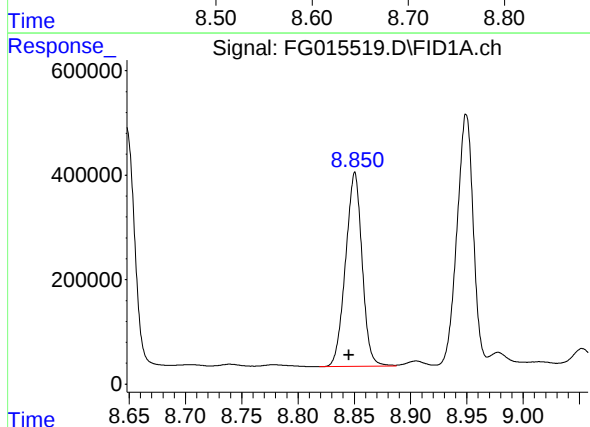
#5 Acenaphthylene (C15.06)

R.T.: 8.648 min
Delta R.T.: 0.004 min
Response: 4652940
Conc: 32.85 ug/ml

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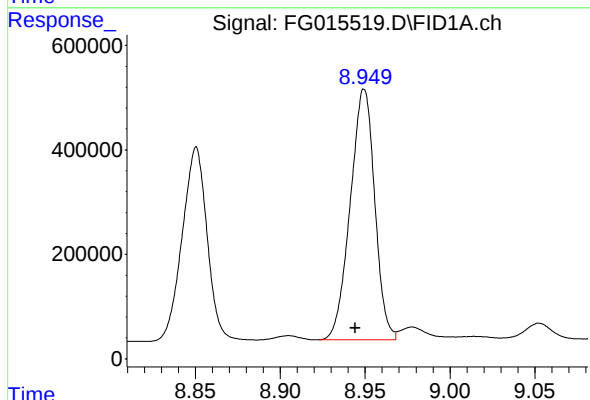
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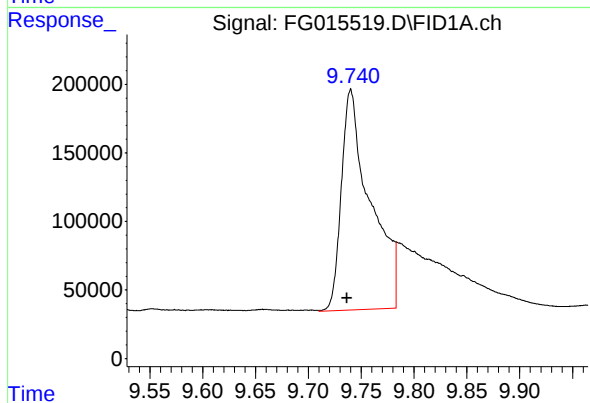
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.850 min
Delta R.T.: 0.005 min
Response: 3808847
Conc: 46.08 ug/ml



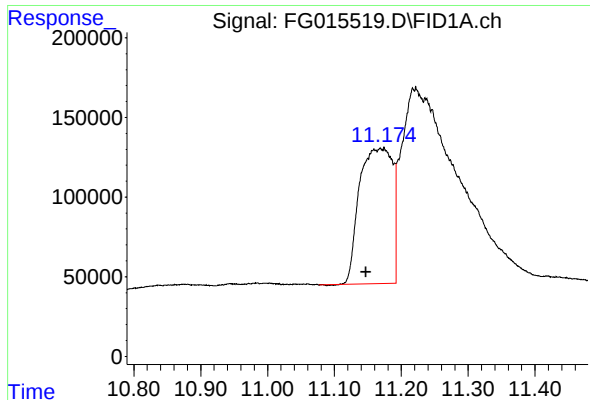
#7 Acenaphthene (C15.5)

R.T.: 8.949 min
Delta R.T.: 0.004 min
Response: 4823411
Conc: 35.35 ug/ml m



#8 Flouorene (C16.55)

R.T.: 9.740 min
Delta R.T.: 0.004 min
Response: 3067252
Conc: 21.97 ug/ml m



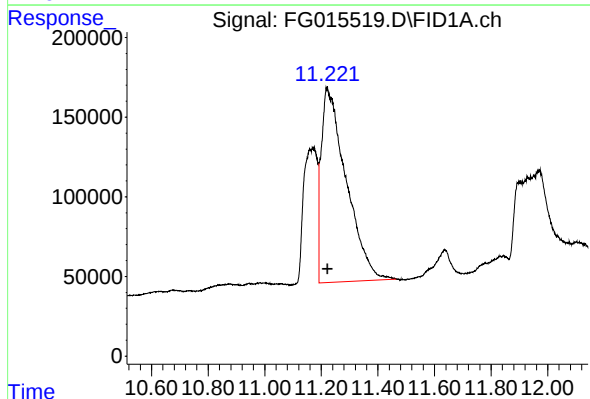
#9 Phenanthrene (C19.36)

R.T.: 11.171 min
Delta R.T.: 0.023 min
Response: 2919726
Conc: 20.72 ug/ml

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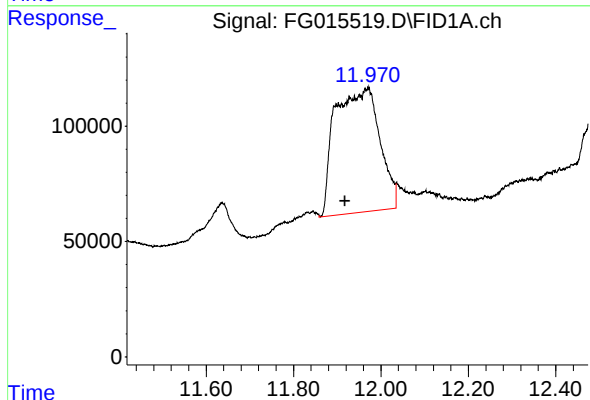
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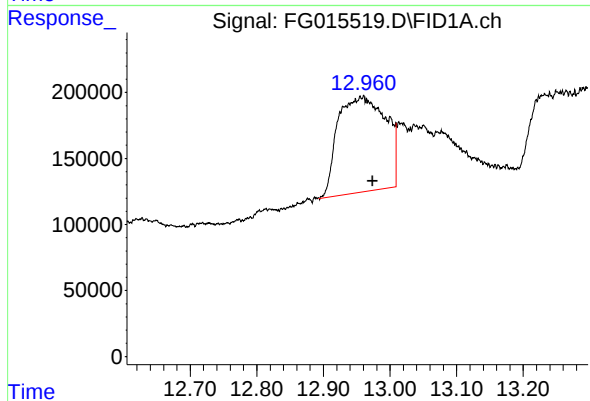
#10 Anthracene (C19.43)

R.T.: 11.220 min
Delta R.T.: -0.002 min
Response: 7391690
Conc: 54.02 ug/ml



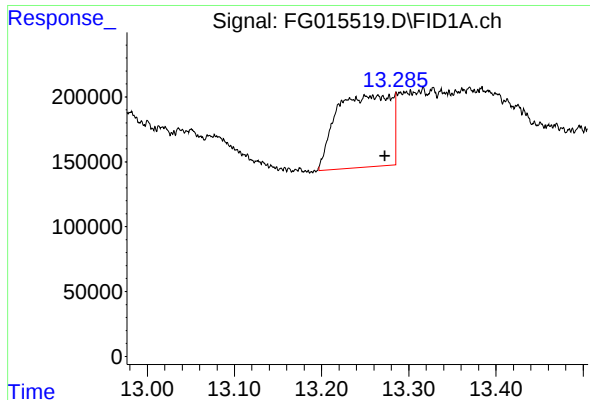
#11 ortho-Terphenyl (SURRE)

R.T.: 11.970 min
Delta R.T.: 0.052 min
Response: 3804129
Conc: 26.09 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.960 min
Delta R.T.: -0.013 min
Response: 3610033
Conc: 25.31 ug/ml m



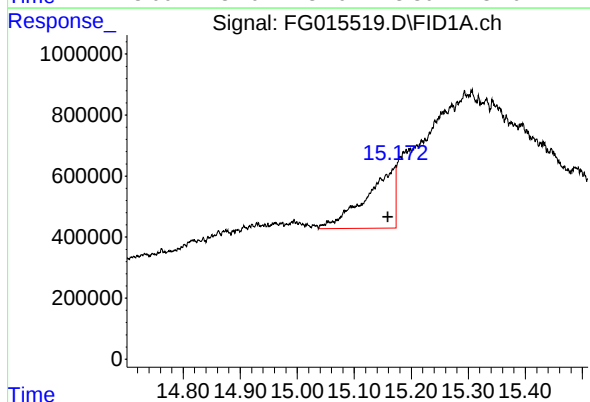
#13 Pyrene (C20.8)

R.T.: 13.285 min
Delta R.T.: 0.012 min
Response: 2446583
Conc: 17.44 ug/ml

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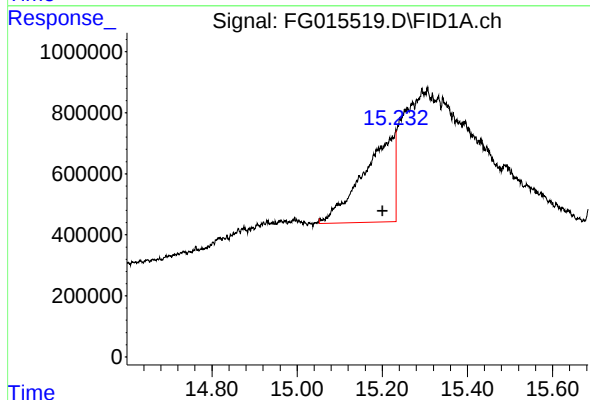
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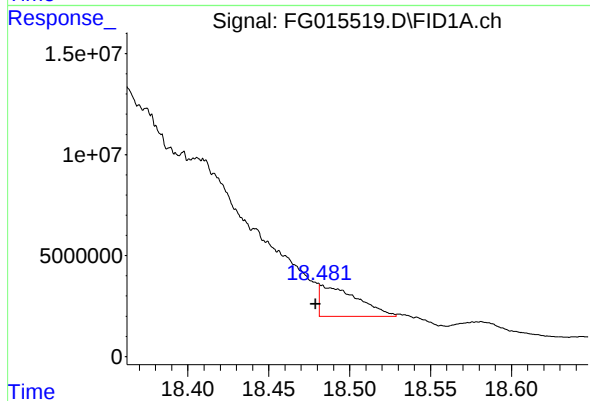
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.172 min
Delta R.T.: 0.014 min
Response: 7183996
Conc: 52.97 ug/ml m



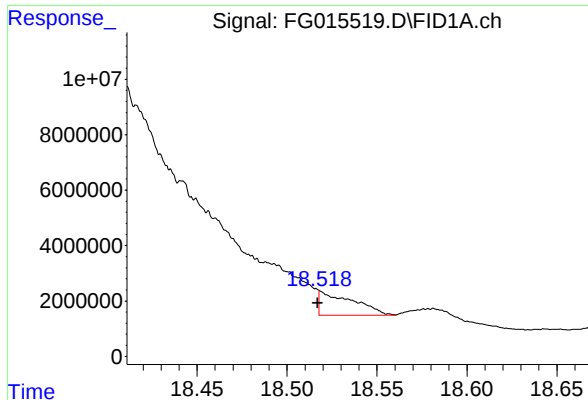
#15 Chrysene (C27.41)

R.T.: 15.232 min
Delta R.T.: 0.031 min
Response: 15089184
Conc: 107.79 ug/ml m



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

R.T.: 18.481 min
Delta R.T.: 0.002 min
Response: 24206195
Conc: 217.56 ug/ml m



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

R.T.: 18.518 min
Delta R.T.: 0.000 min
Response: 11108184
Conc: 86.32 ug/ml

Instrument :

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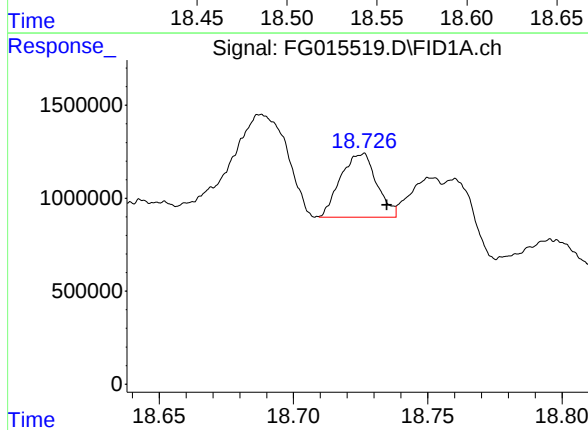
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#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.726 min
Delta R.T.: -0.008 min
Response: 3204847
Conc: 26.82 ug/ml m