

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG032025AR\
 Data File : FG015518.D
 Signal(s) : FID1A.ch
 Acq On : 20 Mar 2025 14:58
 Operator : YP\AJ
 Sample : Q1574-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 WC1MS

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 01:32:27 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...	7.971	6800885	55.674 ug/ml
Spiked Amount 50.000		Recovery =	111.35%
6) S 2-Fluorobiphenyl (SURR)	8.849	3971661	48.050 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.10%
11) S ortho-Terphenyl (SURR)	11.937	4406350	30.216 ug/mlm
Spiked Amount 50.000		Recovery =	60.43%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.559	3385291	25.475 ug/ml
2) T Naphthalene (C11.7)	6.239	5169699	38.264 ug/ml
3) T 2-Methylnaphthalene (...)	7.341	5599588	41.978 ug/ml
5) T Acenaphthylene (C15.06)	8.647	4847241	34.225 ug/ml
7) T Acenaphthene (C15.5)	8.948	5062017	37.102 ug/ml
8) T Flouorene (C16.55)	9.739	2517075	18.030 ug/mlm
9) T Phenanthrene (C19.36)	11.155	2557925	18.156 ug/ml
10) T Anthracene (C19.43)	11.216	8436571	61.652 ug/ml
12) T Fluoranthene (C21.85)	12.959	2878219	20.183 ug/mlm
13) T Pyrene (C20.8)	13.308	2469974	17.603 ug/mlm
14) T Benzo[a]anthracene (C...	15.203	7240035	53.380 ug/mlm
15) T Chrysene (C27.41)	15.253	16494793	117.827 ug/mlm
19) T Indeno[1,2,3-cd]pyren...	18.466	54567891	490.450 ug/mlm
20) T Dibenz[a,h]anthracene...	18.515	23783457	184.824 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.755	3102695	25.965 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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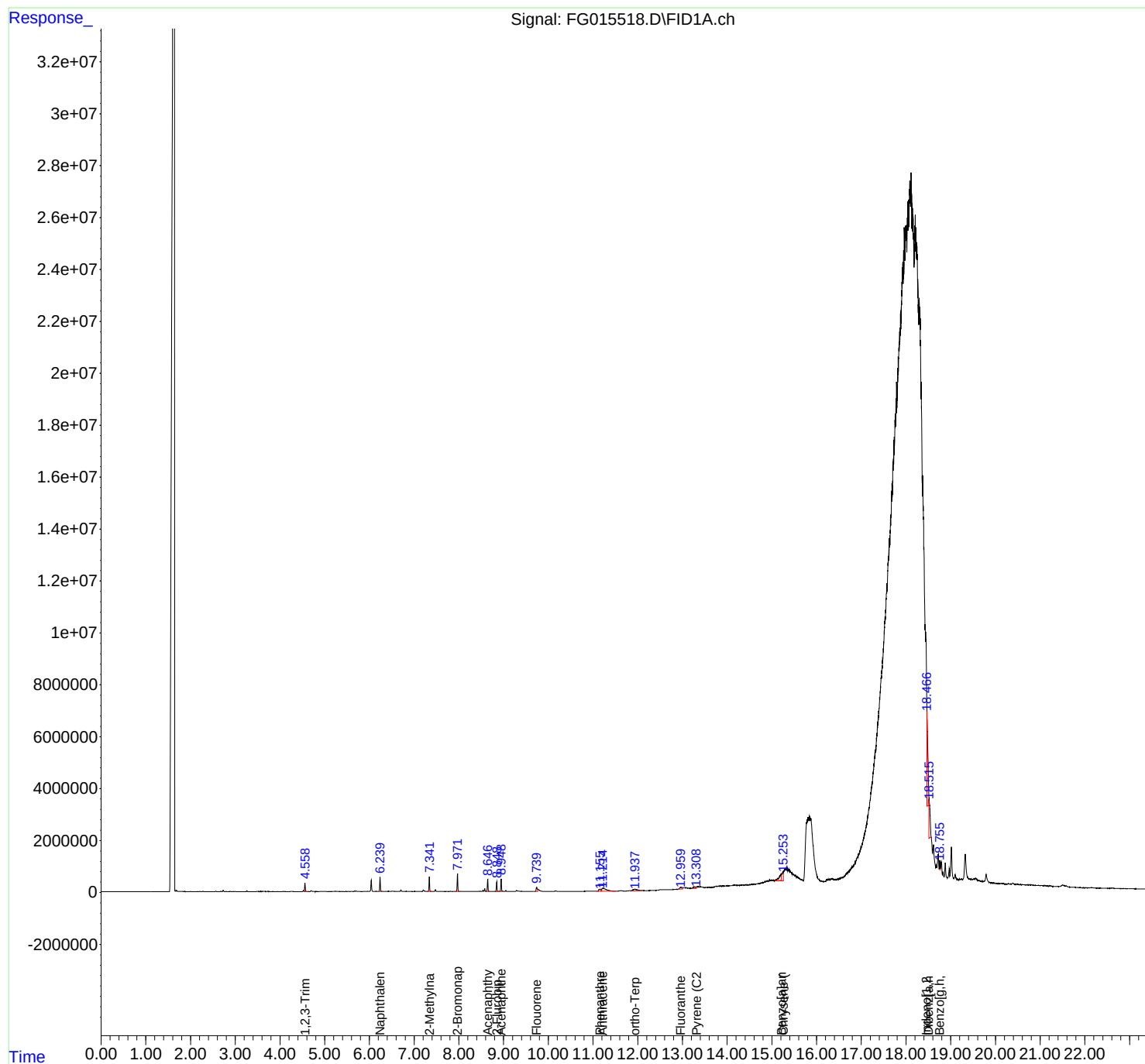
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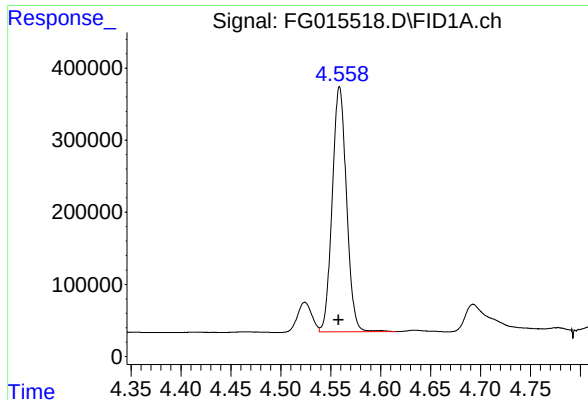
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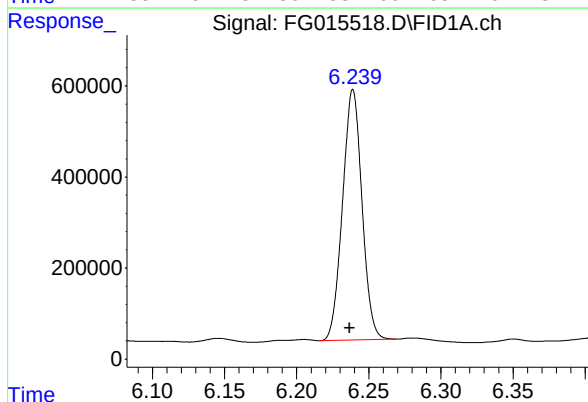
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.559 min
Delta R.T.: 0.000 min
Response: 3385291
Conc: 25.48 ug/ml

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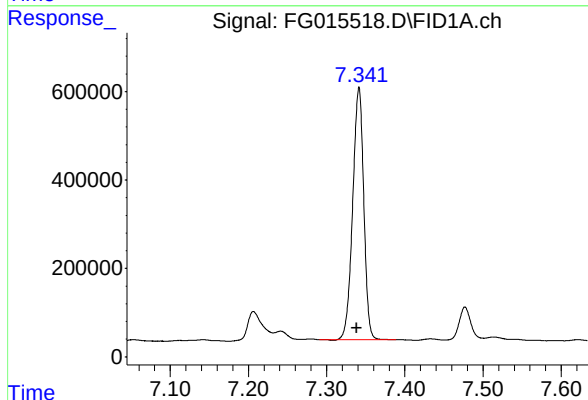
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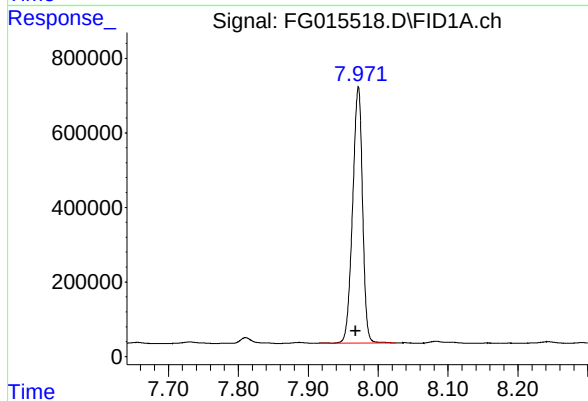
#2 Naphthalene (C11.7)

R.T.: 6.239 min
Delta R.T.: 0.002 min
Response: 5169699
Conc: 38.26 ug/ml



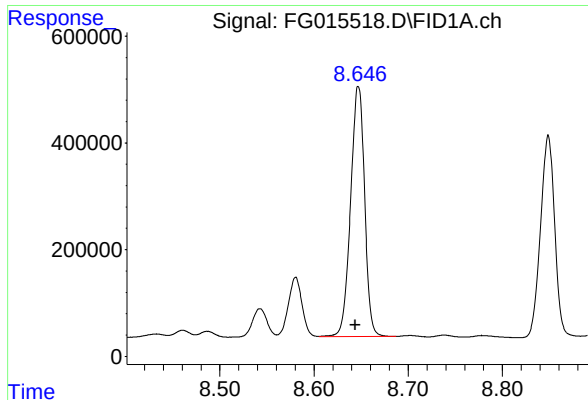
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.341 min
Delta R.T.: 0.003 min
Response: 5599588
Conc: 41.98 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.971 min
Delta R.T.: 0.004 min
Response: 6800885
Conc: 55.67 ug/ml



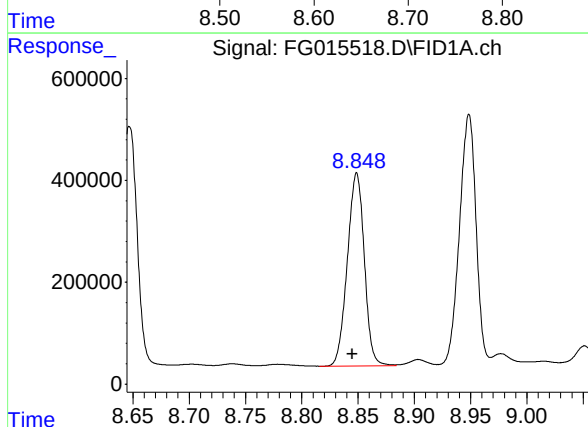
#5 Acenaphthylene (C15.06)

R.T.: 8.647 min
Delta R.T.: 0.003 min
Response: 4847241
Conc: 34.22 ug/ml

Instrument :
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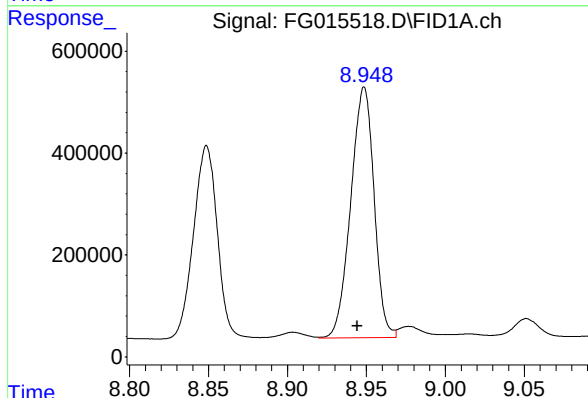
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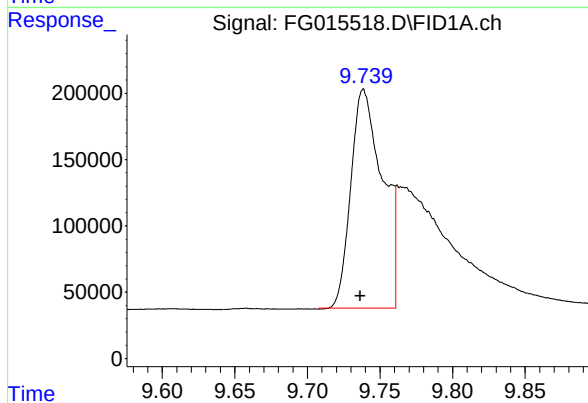
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.849 min
Delta R.T.: 0.004 min
Response: 3971661
Conc: 48.05 ug/ml



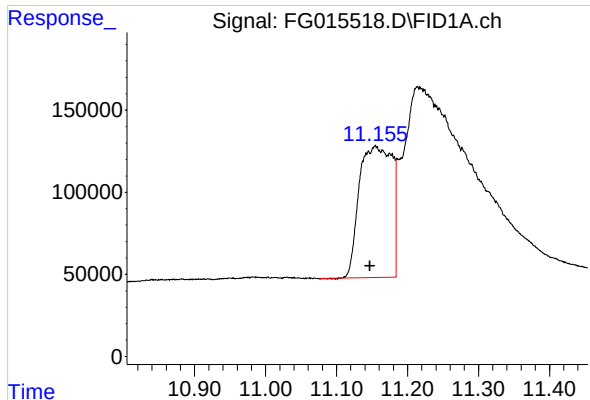
#7 Acenaphthene (C15.5)

R.T.: 8.948 min
Delta R.T.: 0.004 min
Response: 5062017
Conc: 37.10 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.739 min
Delta R.T.: 0.002 min
Response: 2517075
Conc: 18.03 ug/ml m



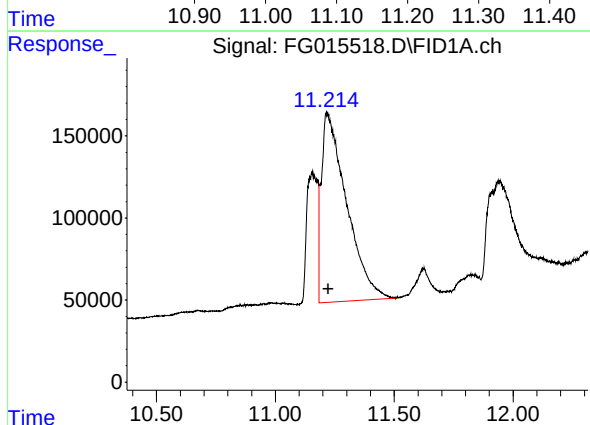
#9 Phenanthrene (C19.36)

R.T.: 11.155 min
Delta R.T.: 0.008 min
Response: 2557925
Conc: 18.16 ug/ml

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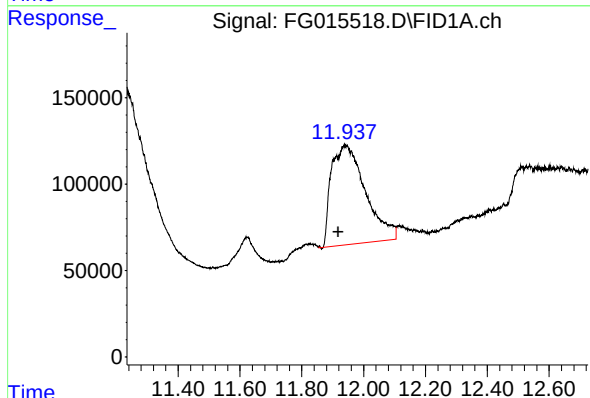
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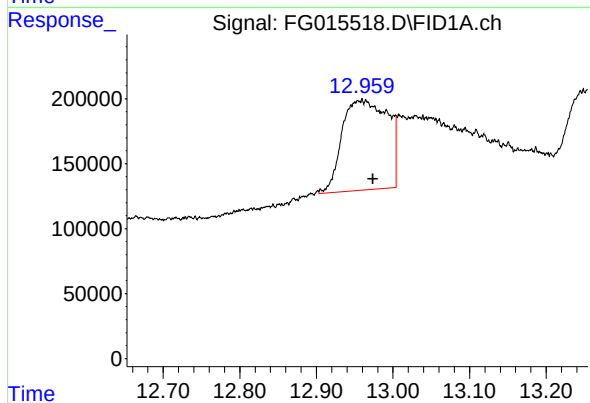
#10 Anthracene (C19.43)

R.T.: 11.216 min
Delta R.T.: -0.007 min
Response: 8436571
Conc: 61.65 ug/ml



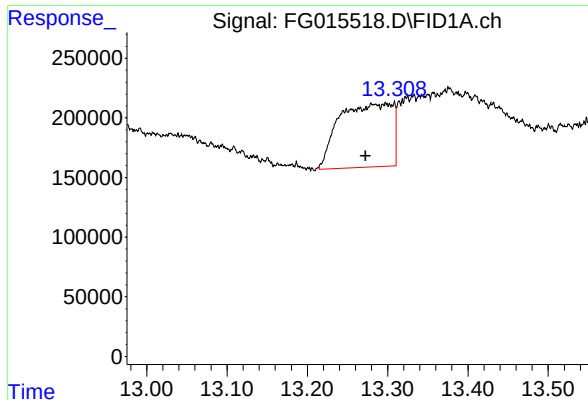
#11 ortho-Terphenyl (SURRE)

R.T.: 11.937 min
Delta R.T.: 0.020 min
Response: 4406350
Conc: 30.22 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.959 min
Delta R.T.: -0.014 min
Response: 2878219
Conc: 20.18 ug/ml m



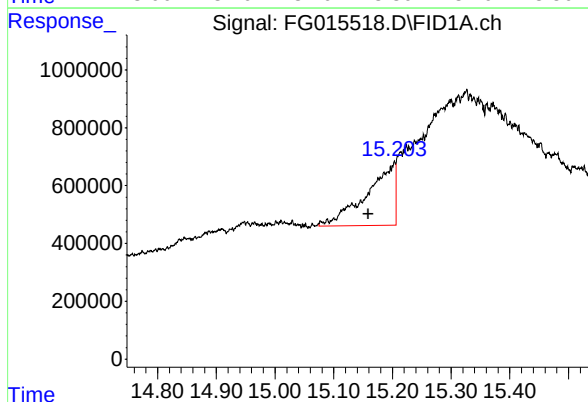
#13 Pyrene (C20.8)

R.T.: 13.308 min
Delta R.T.: 0.036 min
Response: 2469974
Conc: 17.60 ug/ml

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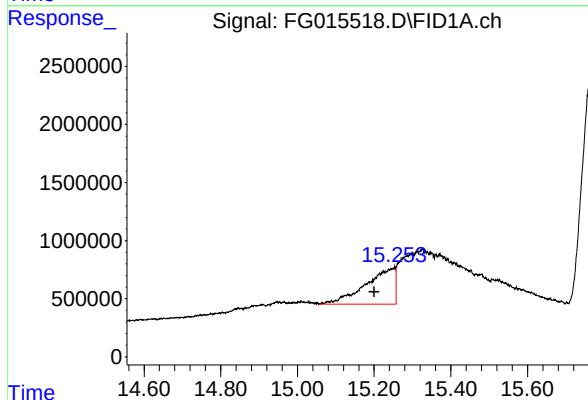
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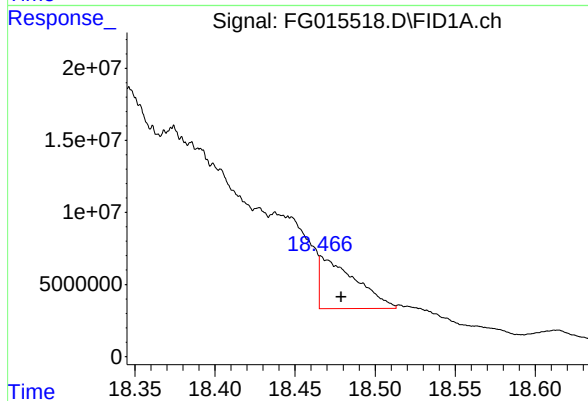
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.203 min
Delta R.T.: 0.044 min
Response: 7240035
Conc: 53.38 ug/ml m



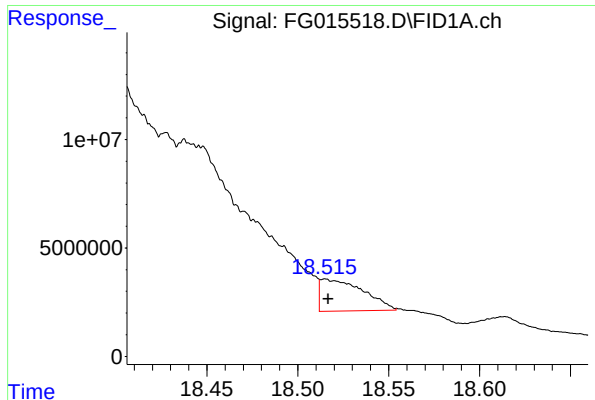
#15 Chrysene (C27.41)

R.T.: 15.253 min
Delta R.T.: 0.051 min
Response: 16494793
Conc: 117.83 ug/ml m



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

R.T.: 18.466 min
Delta R.T.: -0.013 min
Response: 54567891
Conc: 490.45 ug/ml m



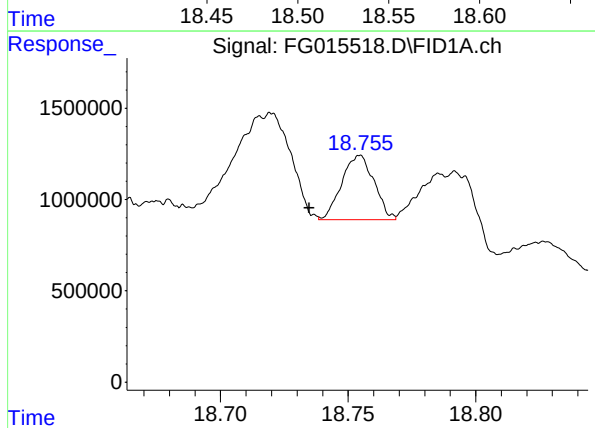
#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.515 min
Delta R.T.: -0.002 min
Response: 23783457
Conc: 184.82 ug/ml

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

R.T.: 18.755 min
Delta R.T.: 0.020 min
Response: 3102695
Conc: 25.97 ug/ml m