

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AR\
 Data File : FG015202.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 02:47
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 2.5 PPM SOIL LOD
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e

Quant Time: Jan 29 06:13:14 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M

Quant Title : GC Extractables

QLast Update : Wed Jan 15 07:05:42 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...	7.984	6958039	52.712 ug/ml
Spiked Amount 50.000		Recovery =	105.42%
6) S 2-Fluorobiphenyl (SURR)	8.860	4766710	56.472 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	112.94%
11) S ortho-Terphenyl (SURR)	11.939	6542735	38.007 ug/ml
Spiked Amount 50.000		Recovery =	76.01%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	287140	1.790 ug/ml
2) T Naphthalene (C11.7)	6.250	325871	2.032 ug/mlm
3) T 2-Methylnaphthalene (...)	7.350	333197	2.095 ug/mlm
5) T Acenaphthylene (C15.06)	8.657	341233	2.147 ug/ml
7) T Acenaphthene (C15.5)	8.957	330147	2.025 ug/ml
8) T Fluorene (C16.55)	9.749	327995	2.083 ug/ml
9) T Phenanthrene (C19.36)	11.159	323474	2.026 ug/ml
10) T Anthracene (C19.43)	11.234	318820	2.159 ug/ml
12) T Fluoranthene (C21.85)	12.985	322916	1.952 ug/ml
13) T Pyrene (C20.8)	13.283	328734	2.030 ug/ml
14) T Benzo[a]anthracene (C...	15.169	300029	2.011 ug/mlm
15) T Chrysene (C27.41)	15.209	317408	2.043 ug/mlm
16) T benzo[b]fluoranthene ...	16.729	301597	2.038 ug/ml
17) T Bnezo[k]fluoranthene ...	16.761	311966	2.206 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.110	294673	2.074 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.481	305560	2.425 ug/mlm
20) T Dibenz[a,h]anthracene...	18.524	314718	2.127 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.737	288783	2.139 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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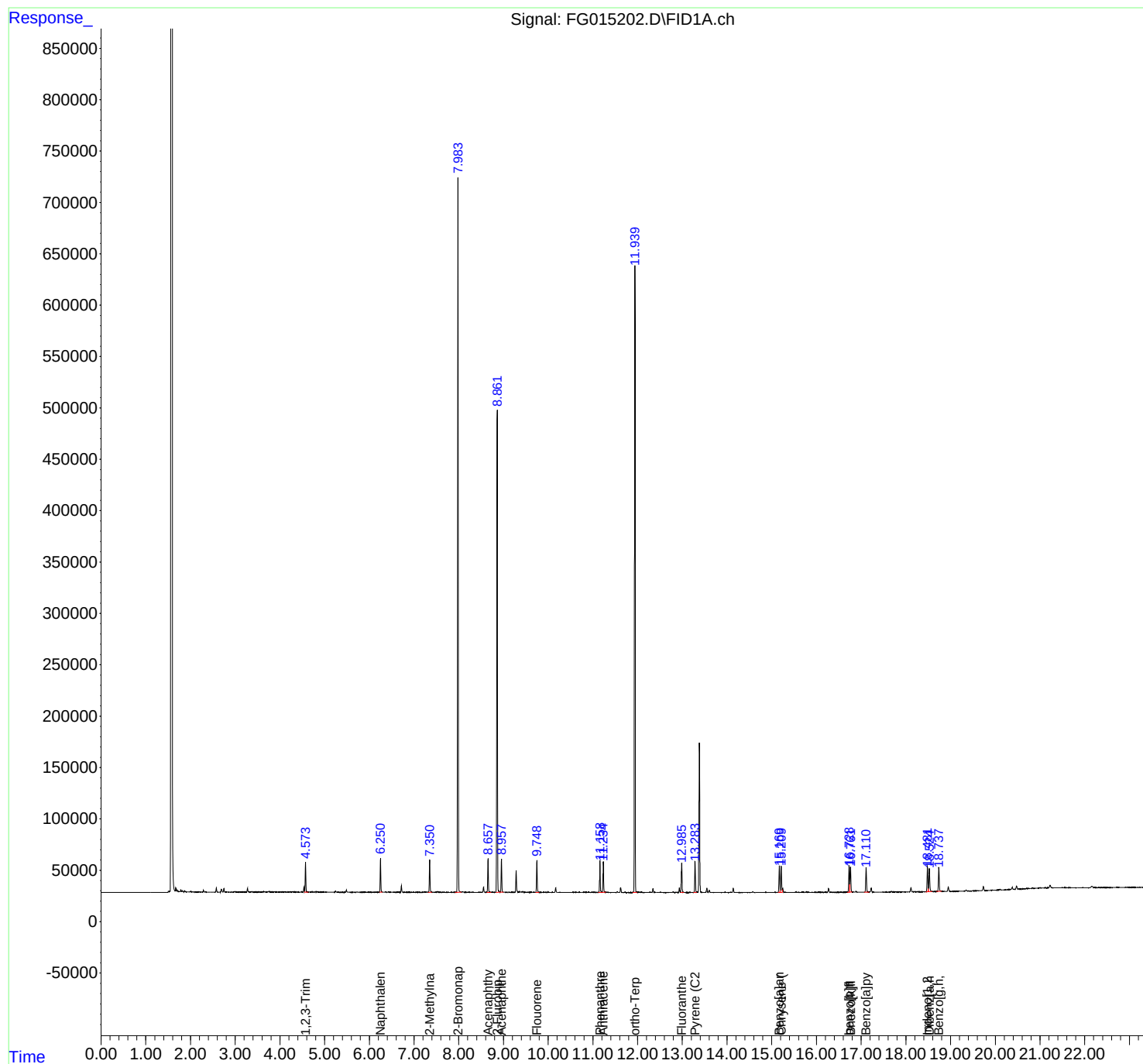
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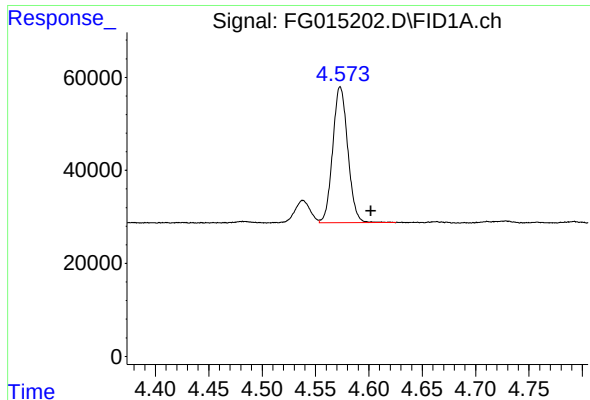
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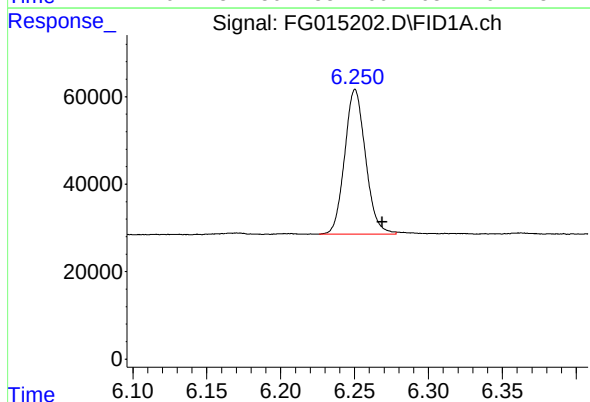
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 287140
Conc: 1.79 ug/ml

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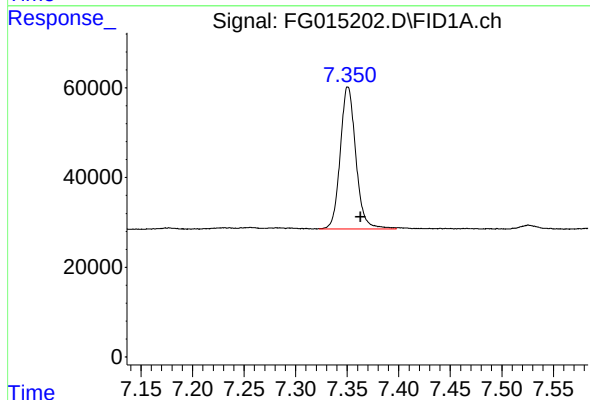
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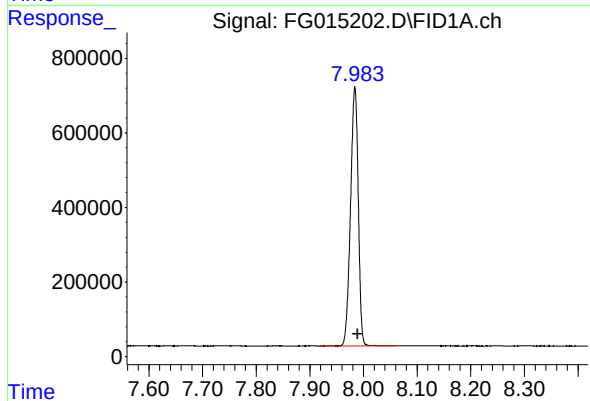
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 325871
Conc: 2.03 ug/ml m



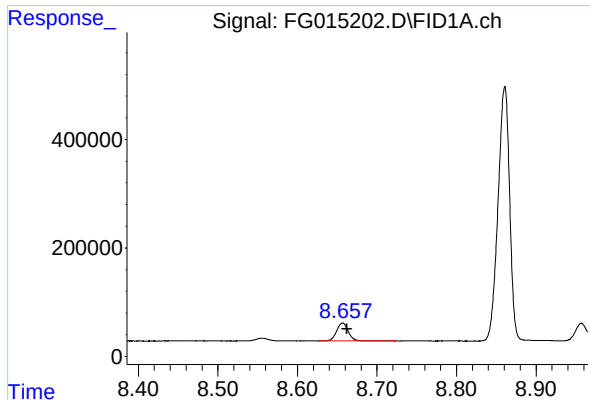
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 333197
Conc: 2.10 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.984 min
Delta R.T.: -0.005 min
Response: 6958039
Conc: 52.71 ug/ml



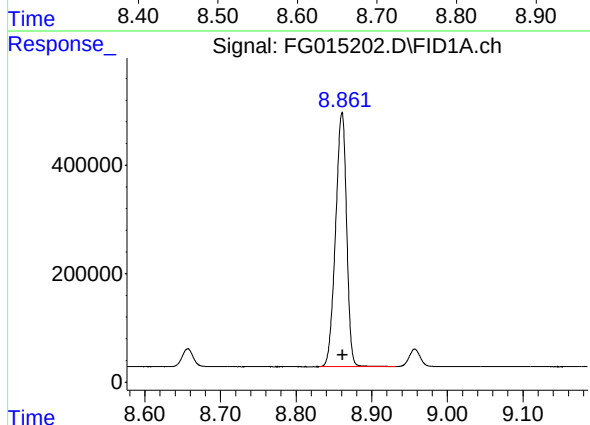
#5 Acenaphthylene (C15.06)

R.T.: 8.657 min
Delta R.T.: -0.005 min
Response: 341233
Conc: 2.15 ug/ml

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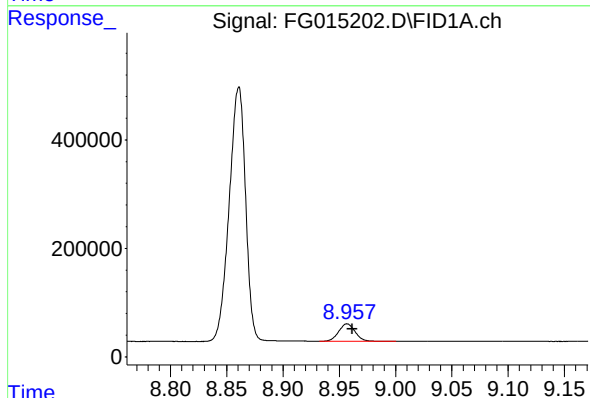
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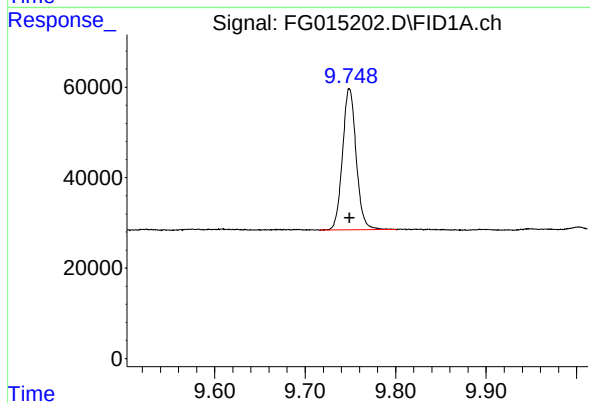
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 4766710
Conc: 56.47 ug/ml



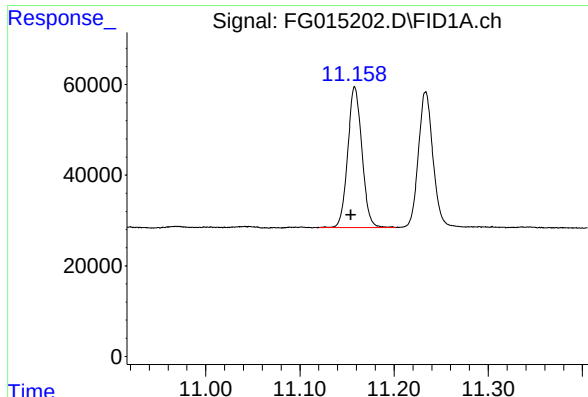
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 330147
Conc: 2.02 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.749 min
Delta R.T.: 0.000 min
Response: 327995
Conc: 2.08 ug/ml



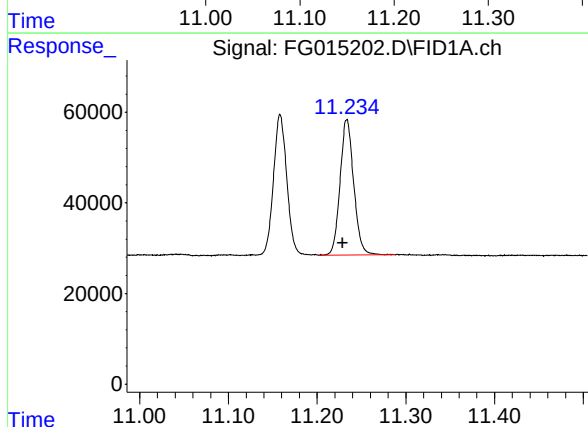
#9 Phenanthrene (C19.36)

R.T.: 11.159 min
Delta R.T.: 0.004 min
Response: 323474
Conc: 2.03 ug/ml

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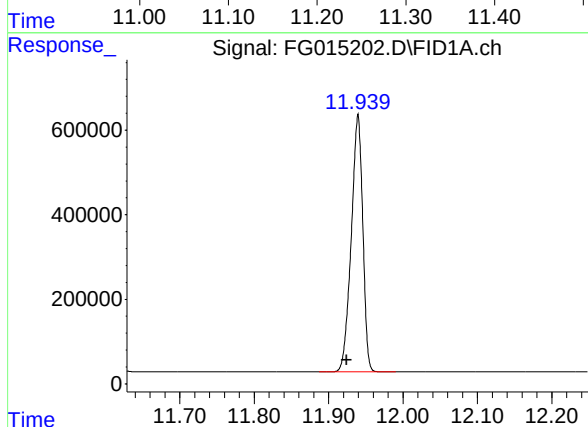
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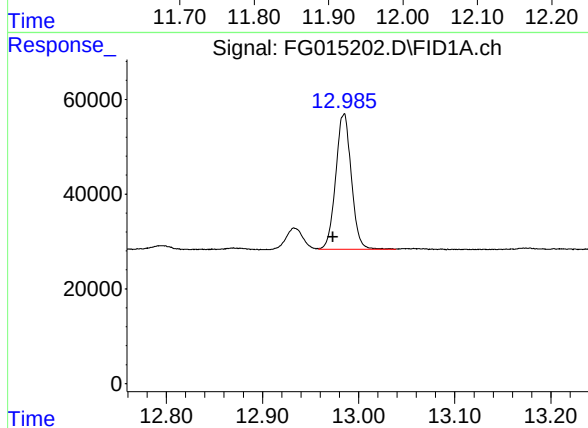
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 318820
Conc: 2.16 ug/ml



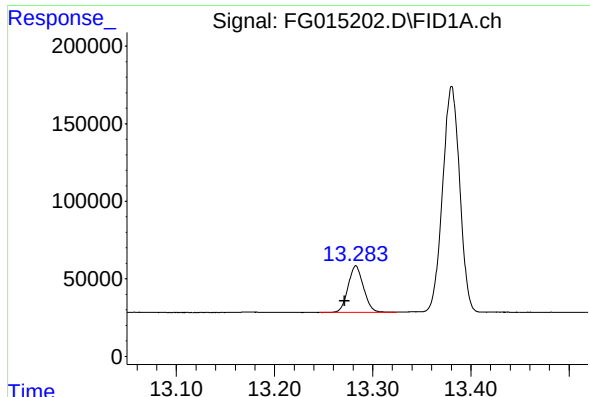
#11 ortho-Terphenyl (SURRE)

R.T.: 11.939 min
Delta R.T.: 0.015 min
Response: 6542735
Conc: 38.01 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.985 min
Delta R.T.: 0.011 min
Response: 322916
Conc: 1.95 ug/ml



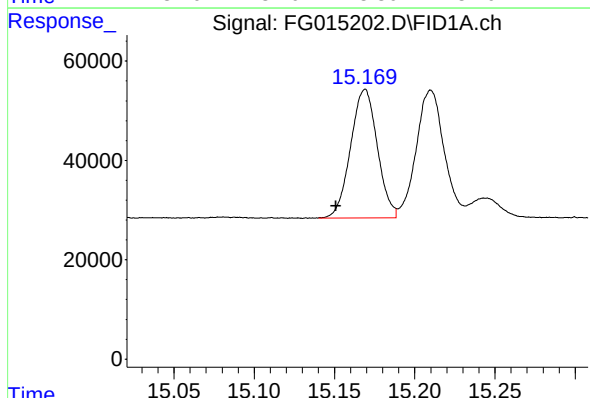
#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.011 min
Response: 328734
Conc: 2.03 ug/ml

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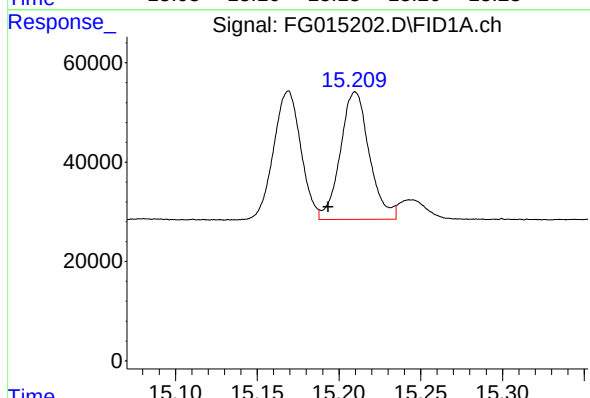
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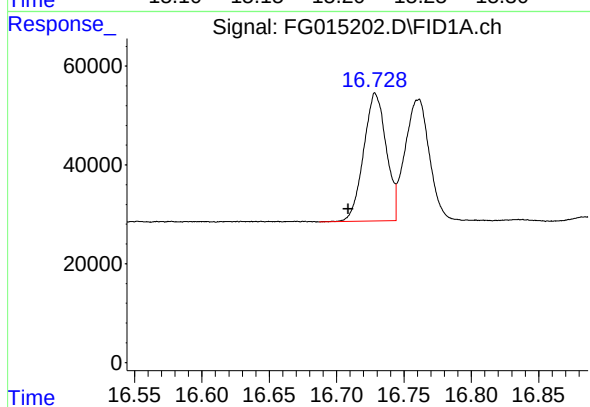
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: 0.018 min
Response: 300029
Conc: 2.01 ug/ml



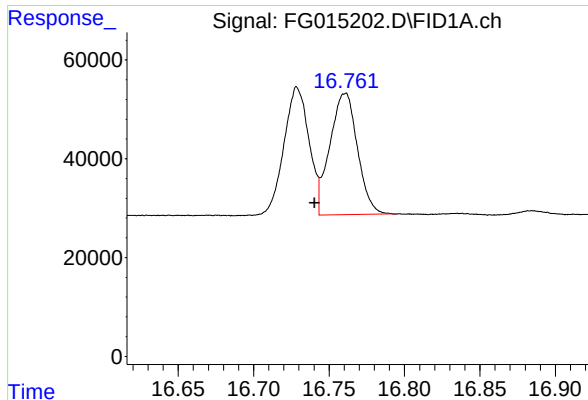
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.016 min
Response: 317408
Conc: 2.04 ug/ml



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

R.T.: 16.729 min
Delta R.T.: 0.020 min
Response: 301597
Conc: 2.04 ug/ml



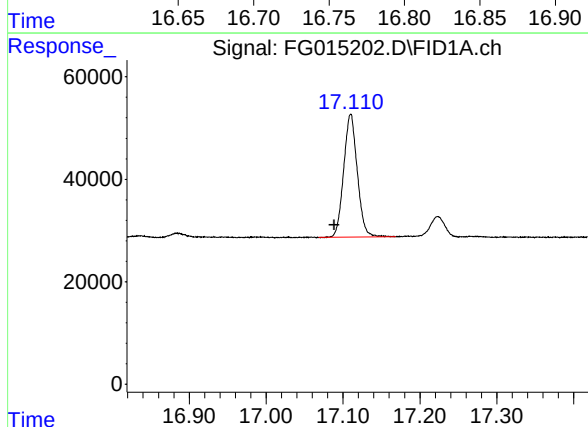
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.761 min
Delta R.T.: 0.021 min
Response: 311966
Conc: 2.21 ug/ml

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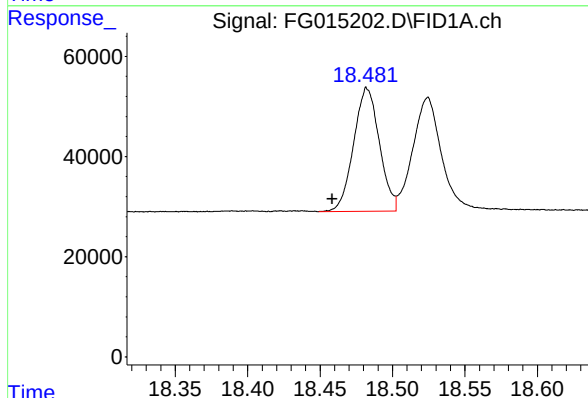
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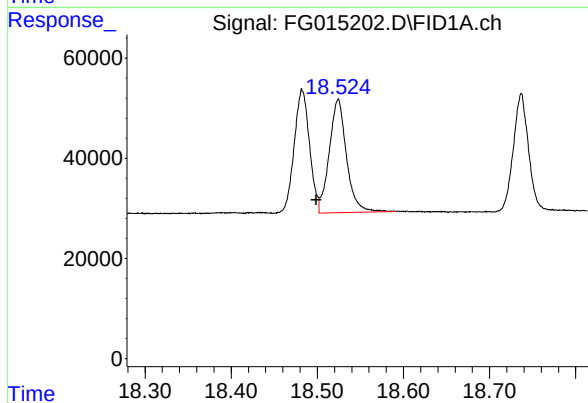
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.021 min
Response: 294673
Conc: 2.07 ug/ml



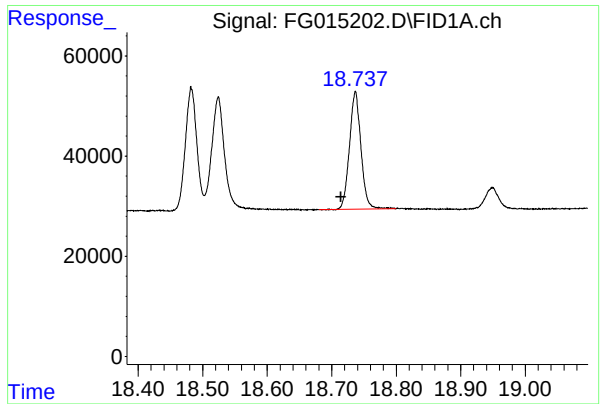
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.481 min
Delta R.T.: 0.023 min
Response: 305560
Conc: 2.42 ug/ml m



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

R.T.: 18.524 min
Delta R.T.: 0.025 min
Response: 314718
Conc: 2.13 ug/ml m



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

R.T.: 18.737 min
Delta R.T.: 0.022 min
Response: 288783
Conc: 2.14 ug/ml

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