

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AR\
 Data File : FG015206.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 04:41
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

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 06:14:55 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...	7.982	2967719	22.483 ug/ml
Spiked Amount 50.000		Recovery =	44.97%
6) S 2-Fluorobiphenyl (SURR)	8.858	2028720	24.035 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	48.07%
11) S ortho-Terphenyl (SURR)	11.937	3358345	19.509 ug/ml
Spiked Amount 50.000		Recovery =	39.02%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.574	3134252	19.540 ug/ml
2) T Naphthalene (C11.7)	6.251	3301019	20.588 ug/ml
3) T 2-Methylnaphthalene (...)	7.351	3264854	20.531 ug/ml
5) T Acenaphthylene (C15.06)	8.658	3329937	20.956 ug/ml
7) T Acenaphthene (C15.5)	8.959	3277383	20.099 ug/ml
8) T Fluorene (C16.55)	9.751	3319941	21.085 ug/ml
9) T Phenanthrene (C19.36)	11.162	3205098	20.074 ug/ml
10) T Anthracene (C19.43)	11.237	2739219	18.553 ug/ml
12) T Fluoranthene (C21.85)	12.990	3181254	19.230 ug/ml
13) T Pyrene (C20.8)	13.289	3152287	19.461 ug/ml
14) T Benzo[a]anthracene (C...	15.174	2924952	19.607 ug/ml
15) T Chrysene (C27.41)	15.217	2954091	19.018 ug/mlm
16) T benzo[b]fluoranthene ...	16.737	2946236	19.909 ug/ml
17) T Bnezo[k]fluoranthene ...	16.769	2946476	20.839 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.116	2805265	19.744 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.491	2772873	22.005 ug/ml
20) T Dibenz[a,h]anthracene...	18.534	3157651	21.343 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.748	2933615	21.732 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Misc :
ALS Vial : 61 Sample Multiplier: 1

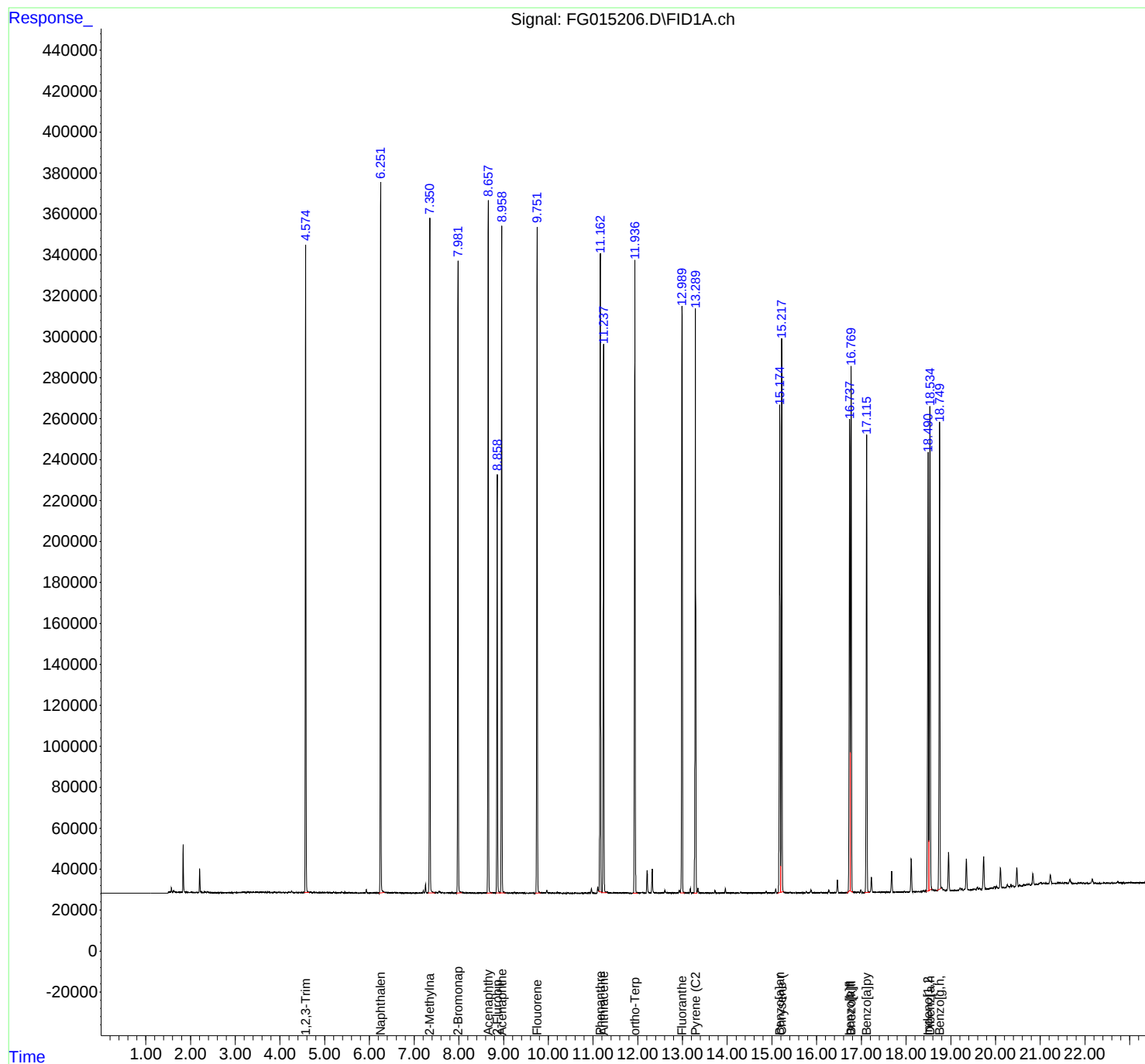
Instrument :
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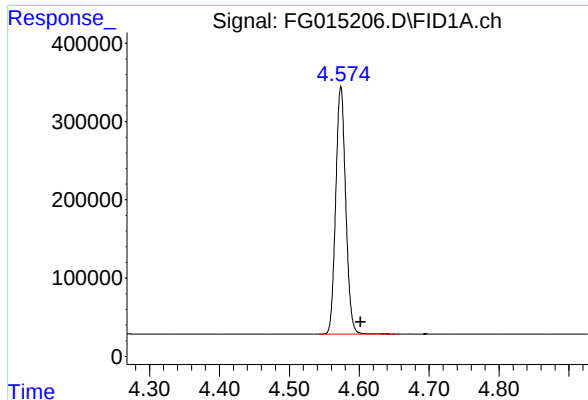
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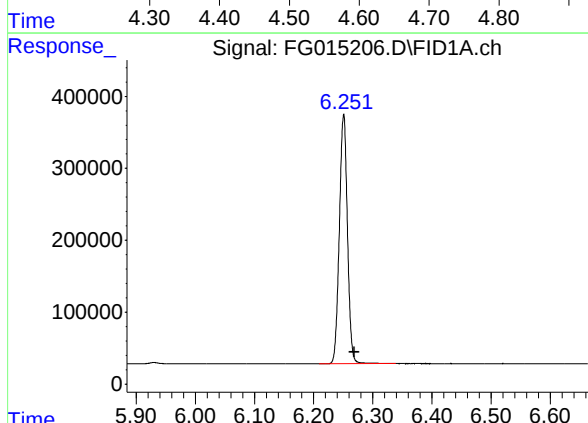
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.574 min
Delta R.T.: -0.028 min
Response: 3134252
Conc: 19.54 ug/ml

Instrument :
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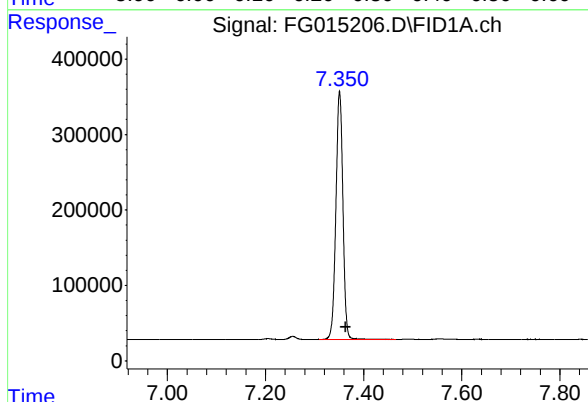
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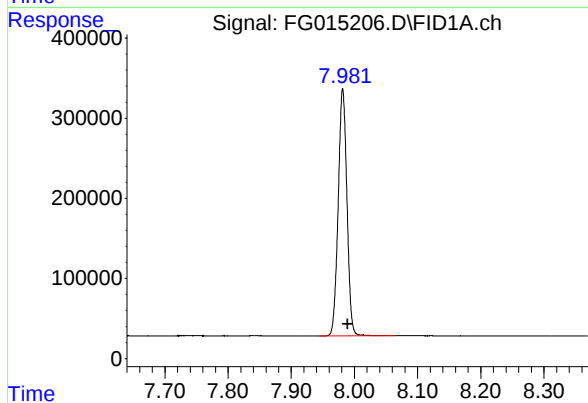
#2 Naphthalene (C11.7)

R.T.: 6.251 min
Delta R.T.: -0.018 min
Response: 3301019
Conc: 20.59 ug/ml



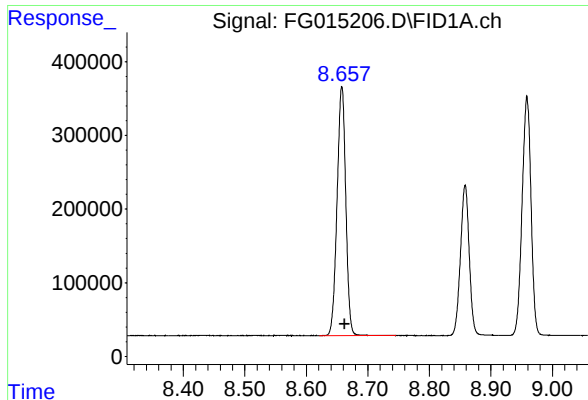
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.012 min
Response: 3264854
Conc: 20.53 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.982 min
Delta R.T.: -0.007 min
Response: 2967719
Conc: 22.48 ug/ml



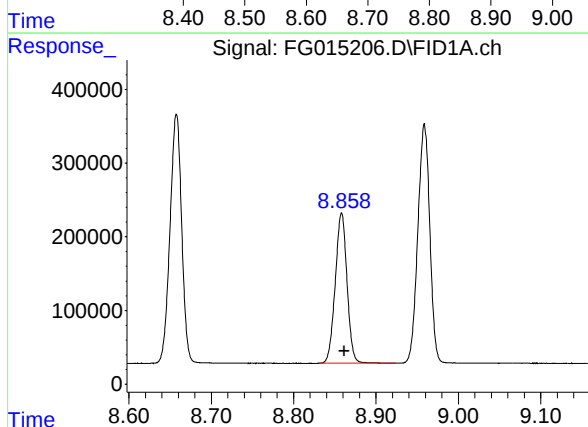
#5 Acenaphthylene (C15.06)

R.T.: 8.658 min
Delta R.T.: -0.005 min
Response: 3329937
Conc: 20.96 ug/ml

Instrument :
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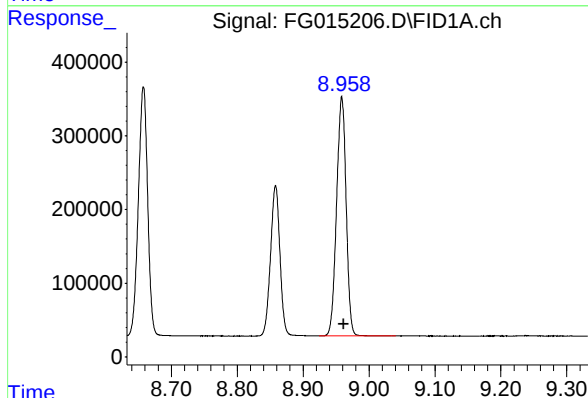
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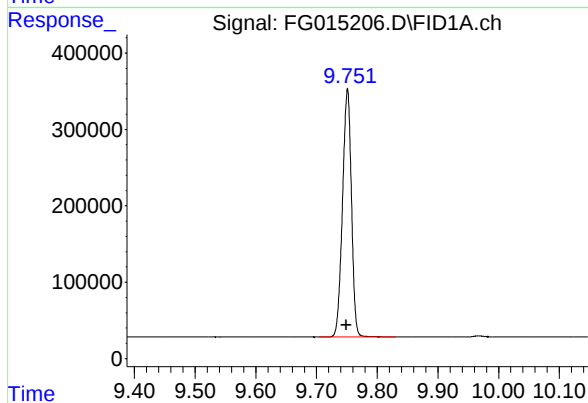
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.858 min
Delta R.T.: -0.003 min
Response: 2028720
Conc: 24.03 ug/ml



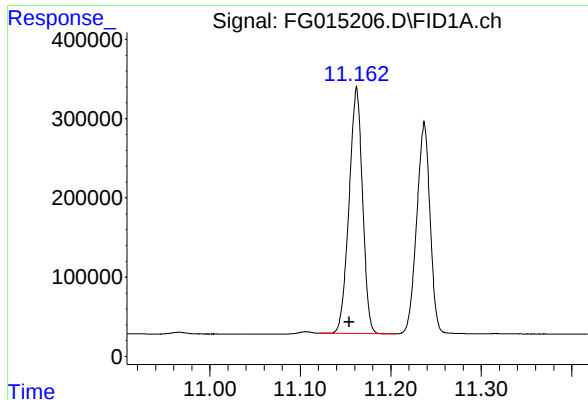
#7 Acenaphthene (C15.5)

R.T.: 8.959 min
Delta R.T.: -0.003 min
Response: 3277383
Conc: 20.10 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.751 min
Delta R.T.: 0.002 min
Response: 3319941
Conc: 21.08 ug/ml



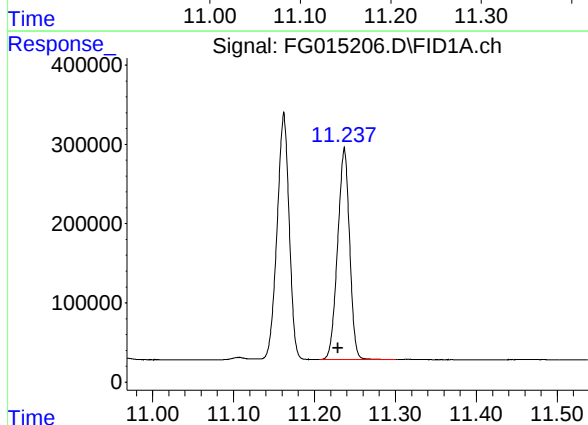
#9 Phenanthrene (C19.36)

R.T.: 11.162 min
Delta R.T.: 0.008 min
Response: 3205098
Conc: 20.07 ug/ml

Instrument :
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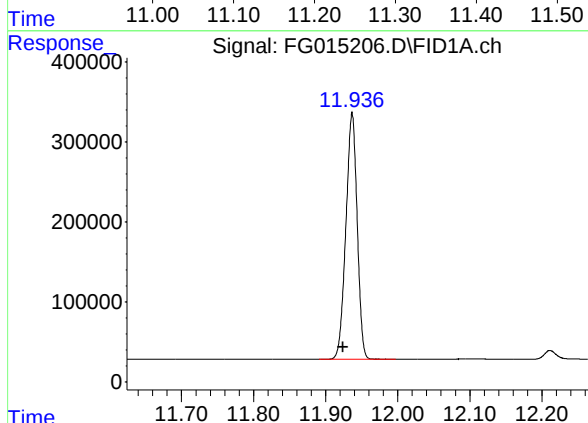
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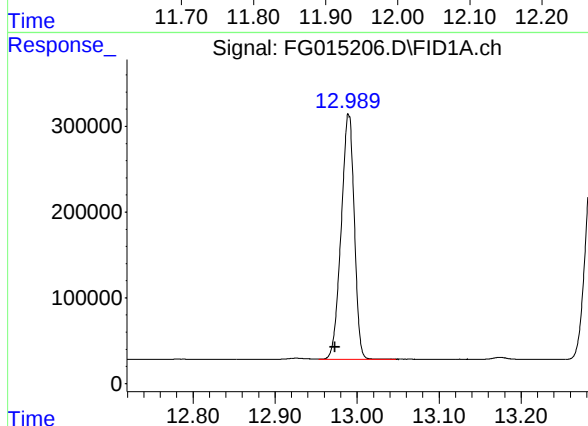
#10 Anthracene (C19.43)

R.T.: 11.237 min
Delta R.T.: 0.008 min
Response: 2739219
Conc: 18.55 ug/ml



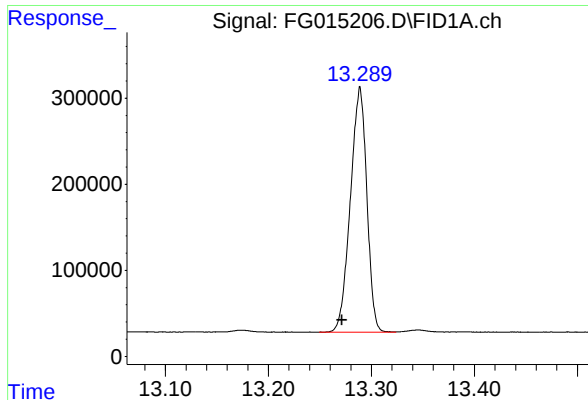
#11 ortho-Terphenyl (SURR)

R.T.: 11.937 min
Delta R.T.: 0.012 min
Response: 3358345
Conc: 19.51 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.990 min
Delta R.T.: 0.016 min
Response: 3181254
Conc: 19.23 ug/ml



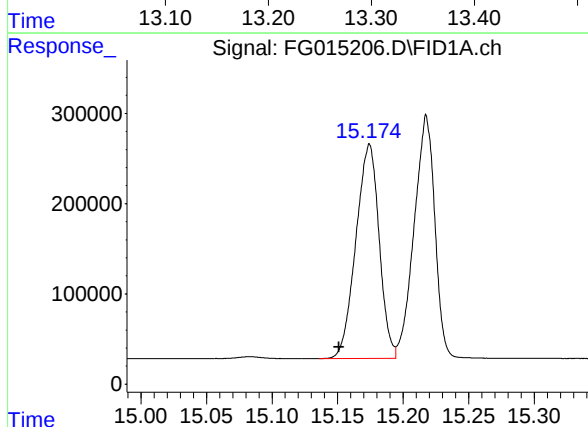
#13 Pyrene (C20.8)

R.T.: 13.289 min
Delta R.T.: 0.017 min
Response: 3152287
Conc: 19.46 ug/ml

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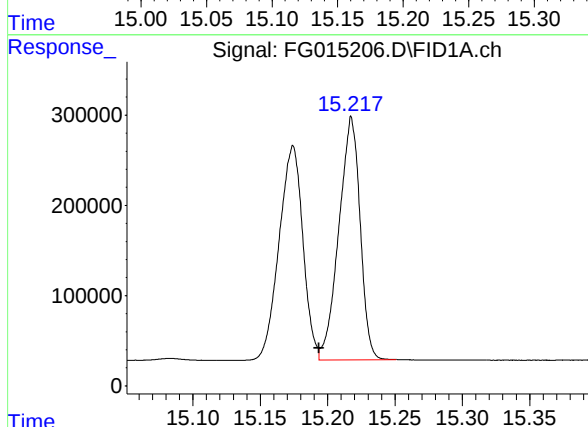
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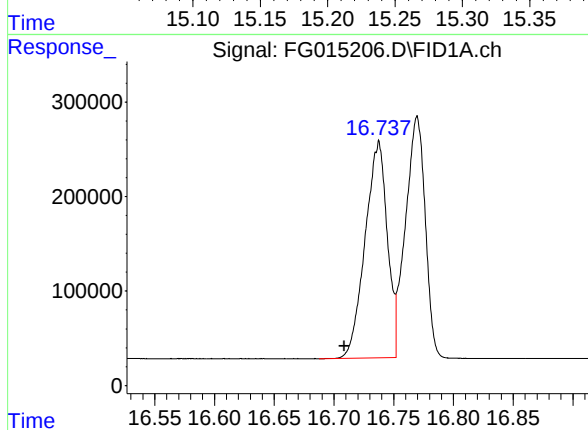
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.174 min
Delta R.T.: 0.023 min
Response: 2924952
Conc: 19.61 ug/ml



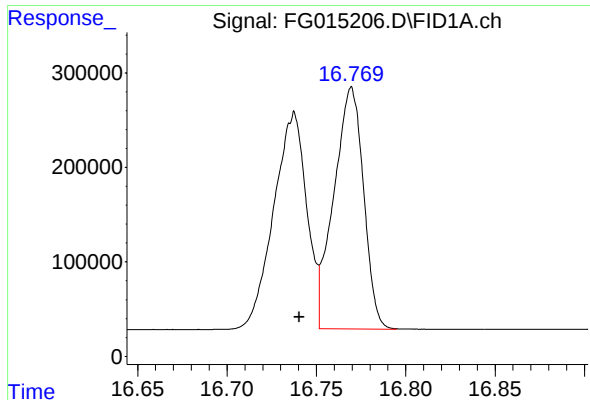
#15 Chrysene (C27.41)

R.T.: 15.217 min
Delta R.T.: 0.023 min
Response: 2954091
Conc: 19.02 ug/ml m



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

R.T.: 16.737 min
Delta R.T.: 0.028 min
Response: 2946236
Conc: 19.91 ug/ml



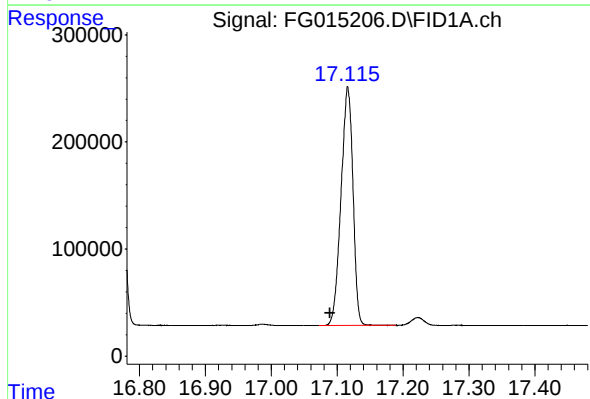
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.769 min
Delta R.T.: 0.029 min
Response: 2946476
Conc: 20.84 ug/ml

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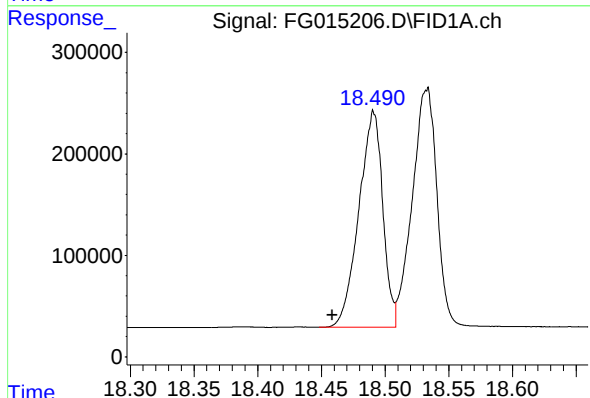
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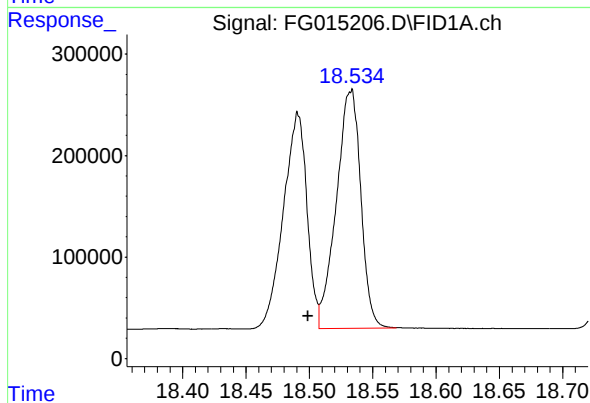
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.116 min
Delta R.T.: 0.027 min
Response: 2805265
Conc: 19.74 ug/ml



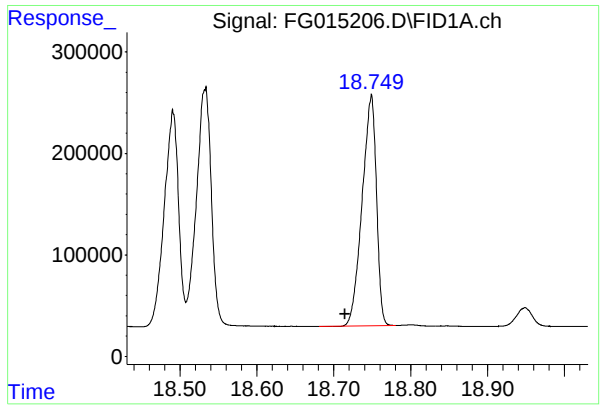
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.491 min
Delta R.T.: 0.032 min
Response: 2772873
Conc: 22.01 ug/ml



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

R.T.: 18.534 min
Delta R.T.: 0.035 min
Response: 3157651
Conc: 21.34 ug/ml m



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

R.T.: 18.748 min
Delta R.T.: 0.034 min
Response: 2933615
Conc: 21.73 ug/ml

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