

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AR\
 Data File : FG015200.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 00:53
 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 06:12:26 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	2955714	22.392 ug/ml
Spiked Amount 50.000		Recovery =	44.78%
6) S 2-Fluorobiphenyl (SURR)	8.858	2018490	23.913 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	47.83%
11) S ortho-Terphenyl (SURR)	11.937	3343983	19.426 ug/ml
Spiked Amount 50.000		Recovery =	38.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	3108899	19.382 ug/ml
2) T Naphthalene (C11.7)	6.250	3281236	20.465 ug/ml
3) T 2-Methylnaphthalene (...)	7.351	3248482	20.428 ug/ml
5) T Acenaphthylene (C15.06)	8.657	3318128	20.882 ug/ml
7) T Acenaphthene (C15.5)	8.959	3265348	20.025 ug/ml
8) T Fluorene (C16.55)	9.751	3306754	21.001 ug/ml
9) T Phenanthrene (C19.36)	11.162	3188180	19.968 ug/ml
10) T Anthracene (C19.43)	11.237	2719152	18.417 ug/ml
12) T Fluoranthene (C21.85)	12.989	3159040	19.095 ug/ml
13) T Pyrene (C20.8)	13.288	3128313	19.313 ug/ml
14) T Benzo[a]anthracene (C...	15.175	2895301	19.408 ug/ml
15) T Chrysene (C27.41)	15.217	2916516	18.776 ug/mlm
16) T benzo[b]fluoranthene ...	16.737	2911125	19.672 ug/ml
17) T Bnezo[k]fluoranthene ...	16.770	2956836	20.913 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.117	2777947	19.552 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.492	2742115	21.761 ug/ml
20) T Dibenz[a,h]anthracene...	18.533	3081421	20.827 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.749	2908389	21.545 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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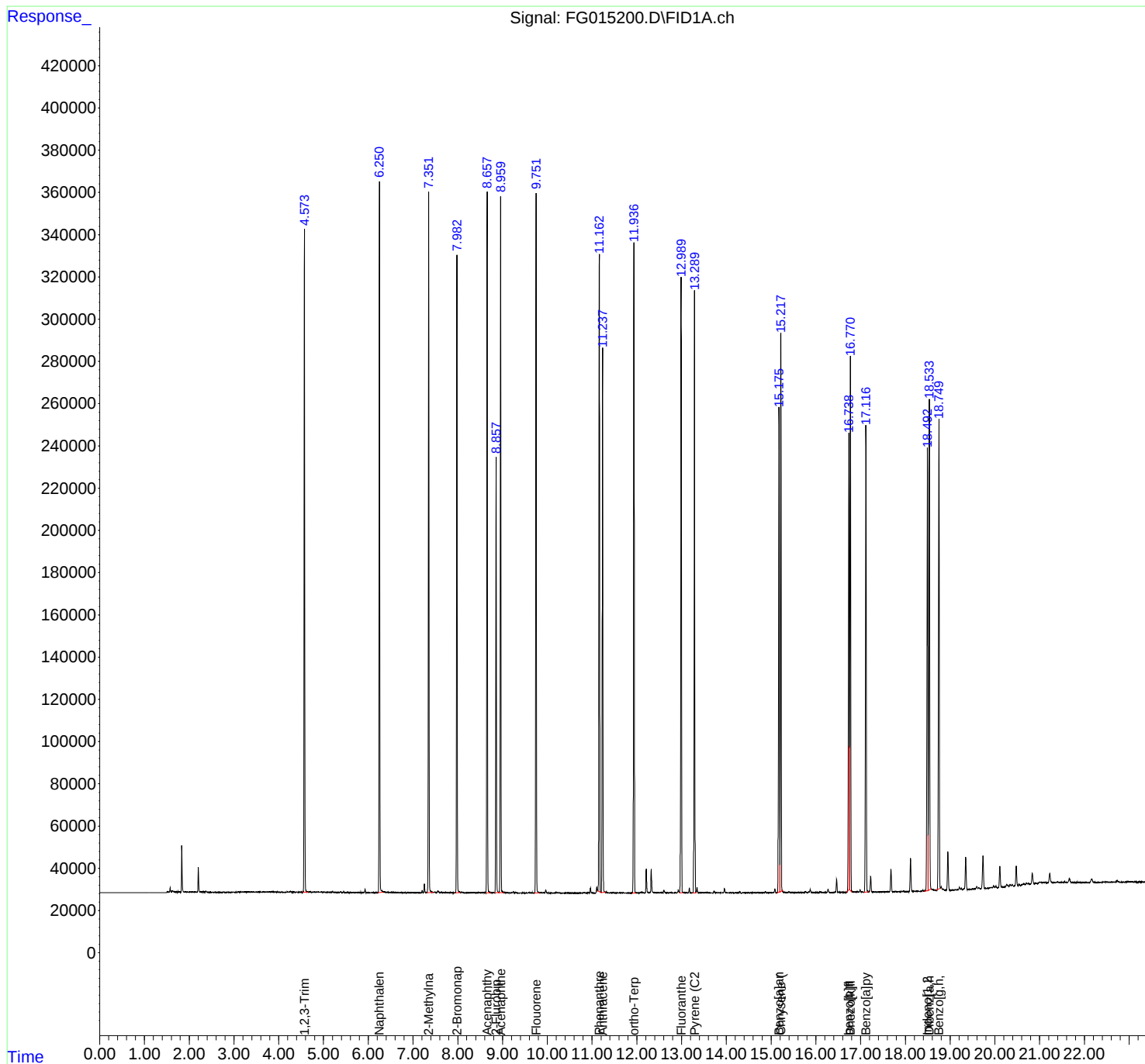
Instrument :
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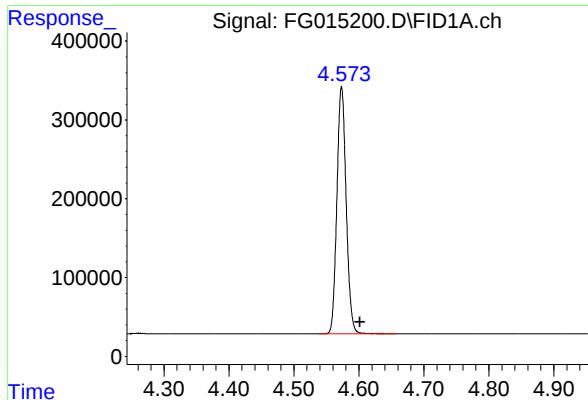
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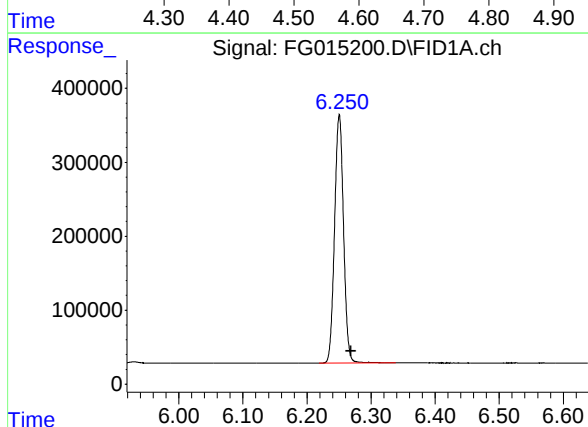
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 3108899
Conc: 19.38 ug/ml

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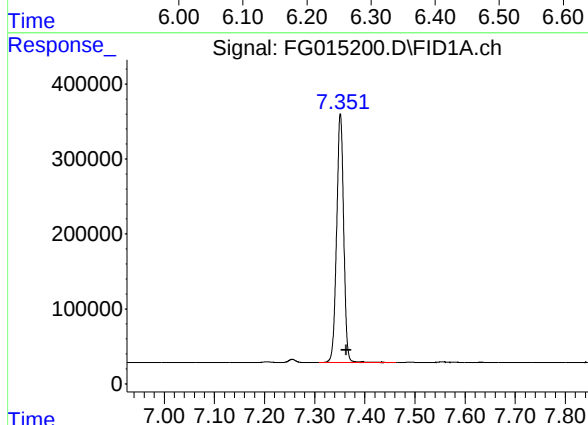
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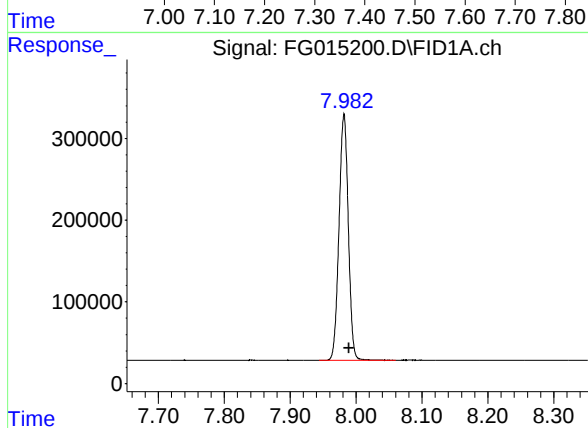
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.018 min
Response: 3281236
Conc: 20.46 ug/ml



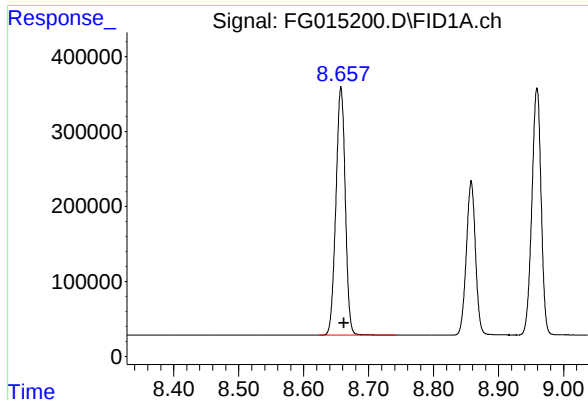
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.012 min
Response: 3248482
Conc: 20.43 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.982 min
Delta R.T.: -0.007 min
Response: 2955714
Conc: 22.39 ug/ml



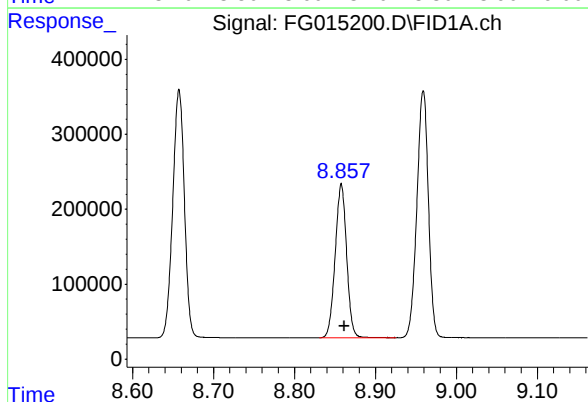
#5 Acenaphthylene (C15.06)

R.T.: 8.657 min
Delta R.T.: -0.005 min
Response: 3318128
Conc: 20.88 ug/ml

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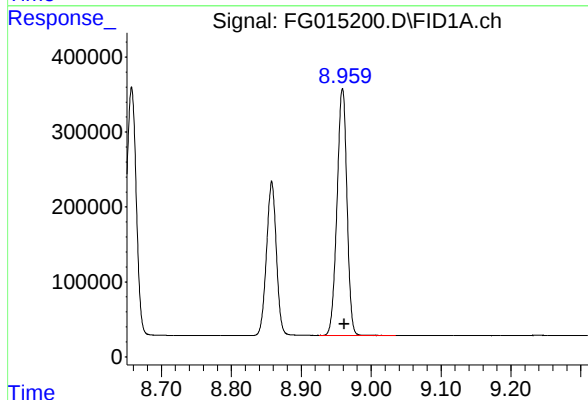
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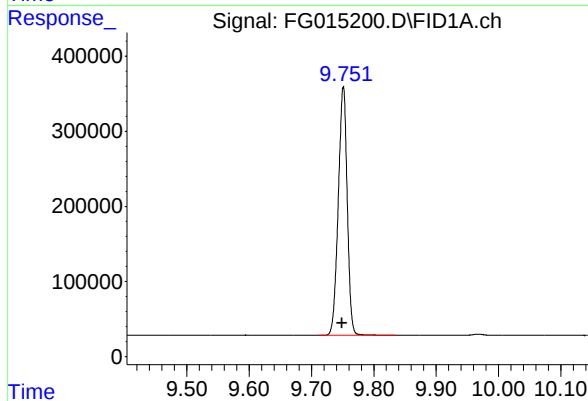
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.858 min
Delta R.T.: -0.004 min
Response: 2018490
Conc: 23.91 ug/ml



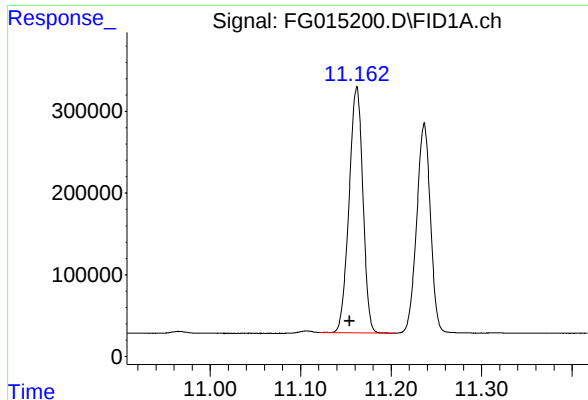
#7 Acenaphthene (C15.5)

R.T.: 8.959 min
Delta R.T.: -0.003 min
Response: 3265348
Conc: 20.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.751 min
Delta R.T.: 0.002 min
Response: 3306754
Conc: 21.00 ug/ml



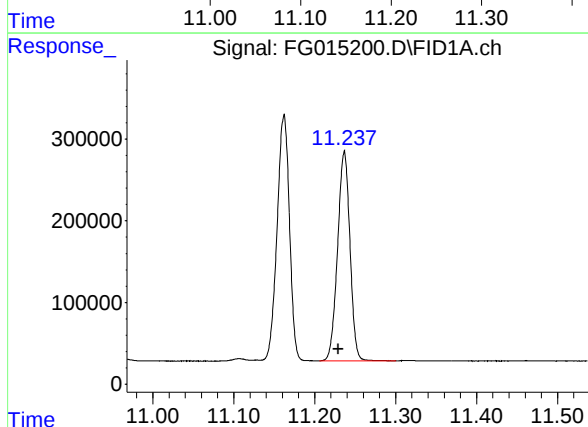
#9 Phenanthrene (C19.36)

R.T.: 11.162 min
Delta R.T.: 0.008 min
Response: 3188180
Conc: 19.97 ug/ml

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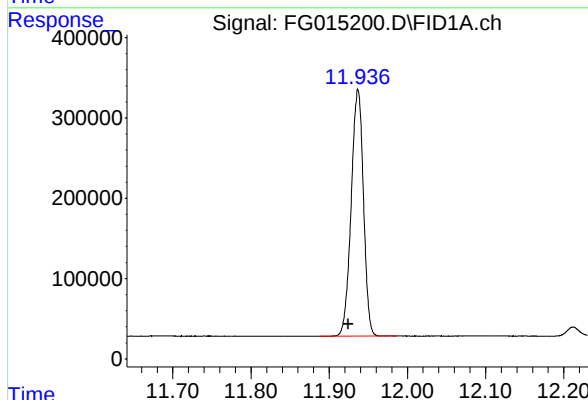
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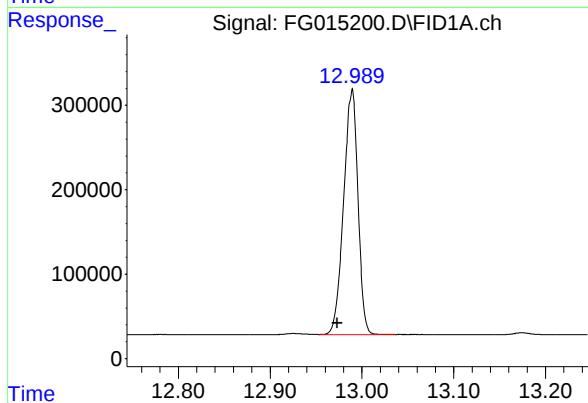
#10 Anthracene (C19.43)

R.T.: 11.237 min
Delta R.T.: 0.008 min
Response: 2719152
Conc: 18.42 ug/ml



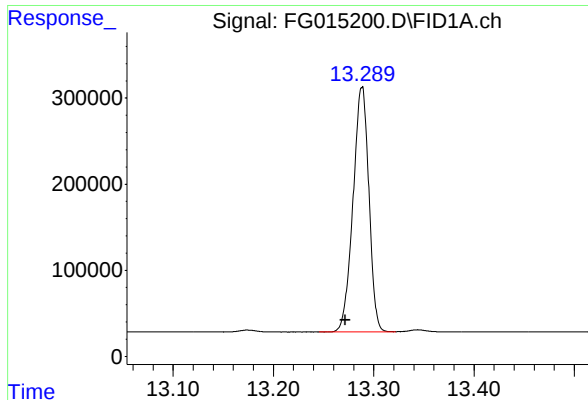
#11 ortho-Terphenyl (SURRE)

R.T.: 11.937 min
Delta R.T.: 0.012 min
Response: 3343983
Conc: 19.43 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.016 min
Response: 3159040
Conc: 19.10 ug/ml



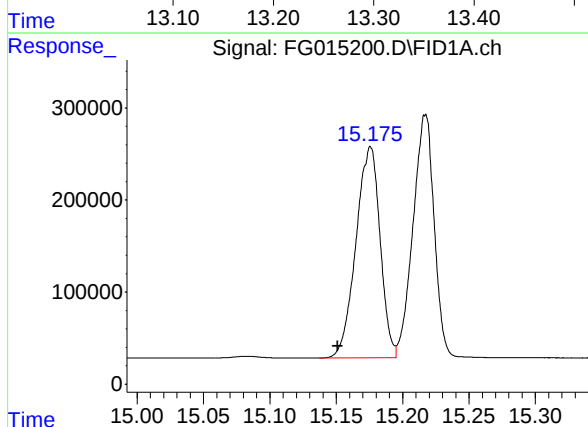
#13 Pyrene (C20.8)

R.T.: 13.288 min
Delta R.T.: 0.017 min
Response: 3128313
Conc: 19.31 ug/ml

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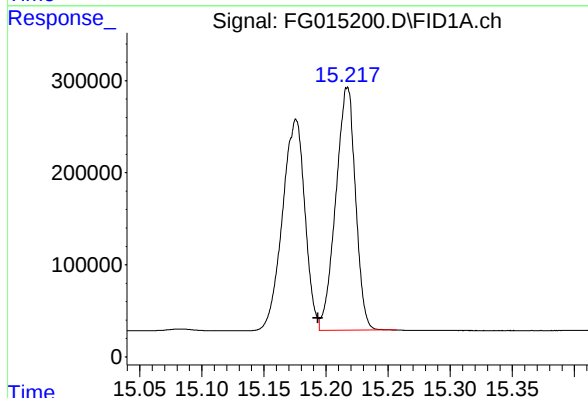
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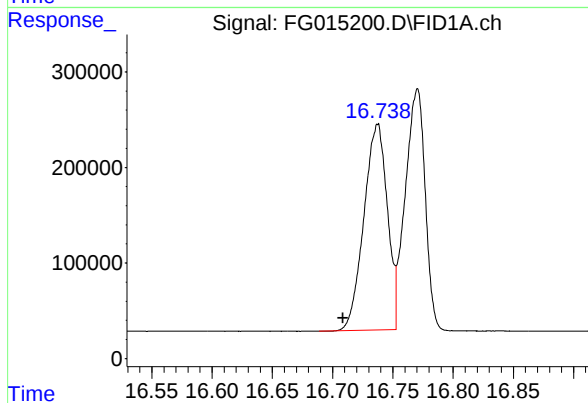
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min
Delta R.T.: 0.024 min
Response: 2895301
Conc: 19.41 ug/ml



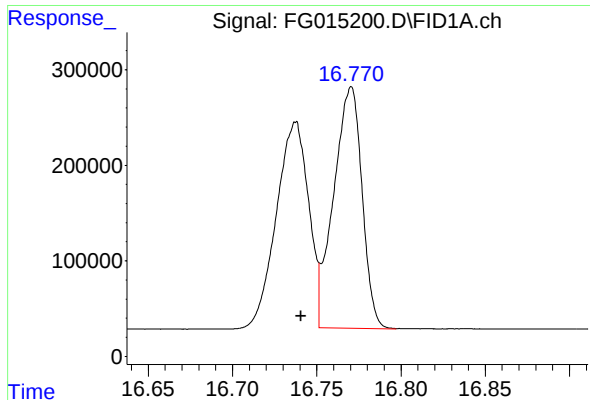
#15 Chrysene (C27.41)

R.T.: 15.217 min
Delta R.T.: 0.024 min
Response: 2916516
Conc: 18.78 ug/ml m



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

R.T.: 16.737 min
Delta R.T.: 0.028 min
Response: 2911125
Conc: 19.67 ug/ml



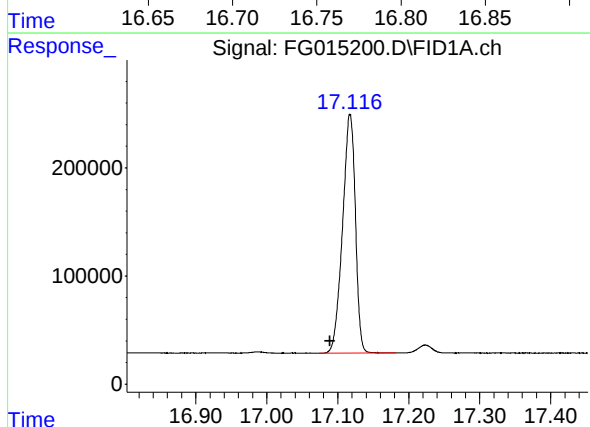
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.770 min
Delta R.T.: 0.030 min
Response: 2956836
Conc: 20.91 ug/ml

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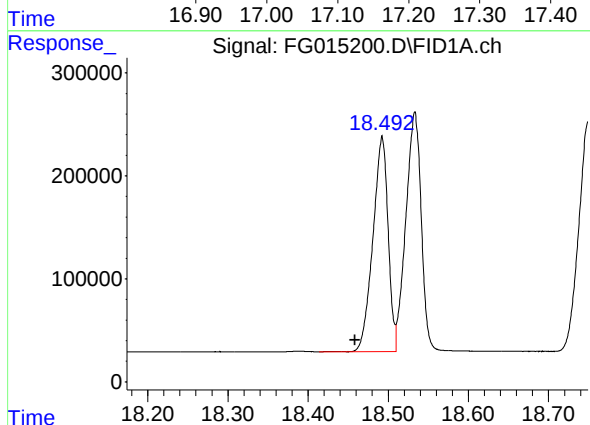
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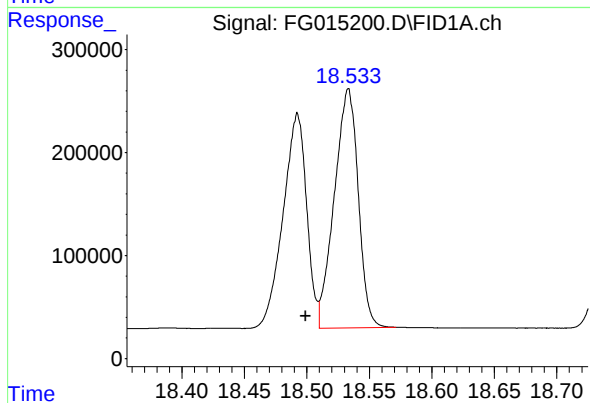
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.117 min
Delta R.T.: 0.028 min
Response: 2777947
Conc: 19.55 ug/ml



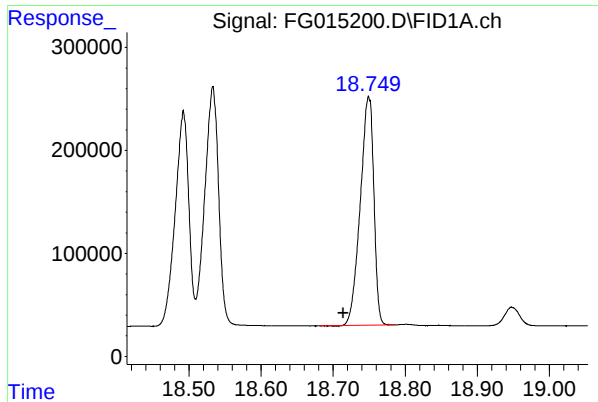
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.492 min
Delta R.T.: 0.034 min
Response: 2742115
Conc: 21.76 ug/ml



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

R.T.: 18.533 min
Delta R.T.: 0.035 min
Response: 3081421
Conc: 20.83 ug/ml m



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

R.T.: 18.749 min
Delta R.T.: 0.035 min
Response: 2908389
Conc: 21.54 ug/ml

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