

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015222.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 15:59
 Operator : YP\AJ
 Sample : Q1168-08
 Misc : 5 PPM WATER LOQ
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 02:55:32 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	6986440	52.927 ug/mlm
Spiked Amount 50.000		Recovery =	105.85%
6) S 2-Fluorobiphenyl (SURR)	8.859	4571878	54.164 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	108.33%
11) S ortho-Terphenyl (SURR)	11.939	6641863	38.583 ug/ml
Spiked Amount 50.000		Recovery =	77.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.572	544398	3.394 ug/ml
2) T Naphthalene (C11.7)	6.249	618292	3.856 ug/ml
3) T 2-Methylnaphthalene (...)	7.349	644553	4.053 ug/mlm
5) T Acenaphthylene (C15.06)	8.656	652801	4.108 ug/ml
7) T Acenaphthene (C15.5)	8.956	636539	3.904 ug/ml
8) T Fluorene (C16.55)	9.748	640438	4.067 ug/ml
9) T Phenanthrene (C19.36)	11.158	644553	4.037 ug/ml
10) T Anthracene (C19.43)	11.234	640061	4.335 ug/ml
12) T Fluoranthene (C21.85)	12.985	645778	3.904 ug/ml
13) T Pyrene (C20.8)	13.283	656731	4.054 ug/ml
14) T Benzo[a]anthracene (C...	15.168	602786	4.041 ug/mlm
15) T Chrysene (C27.41)	15.209	634040	4.082 ug/mlm
16) T benzo[b]fluoranthene ...	16.729	606926	4.101 ug/ml
17) T Bnezo[k]fluoranthene ...	16.759	641313	4.536 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.109	588190	4.140 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.480	623736	4.950 ug/mlm
20) T Dibenz[a,h]anthracene...	18.525	691627	4.675 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.736	582251	4.313 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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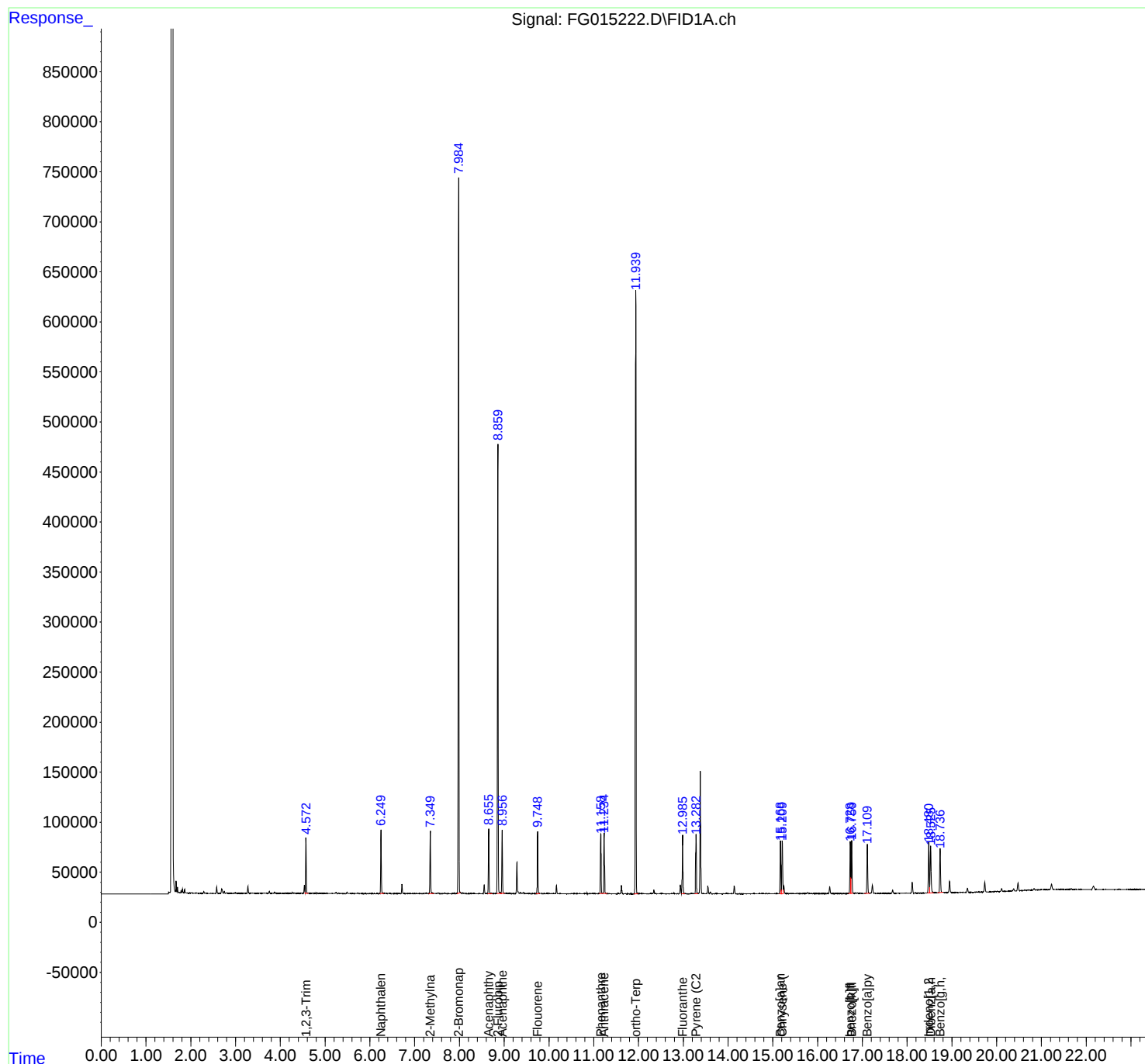
Instrument :
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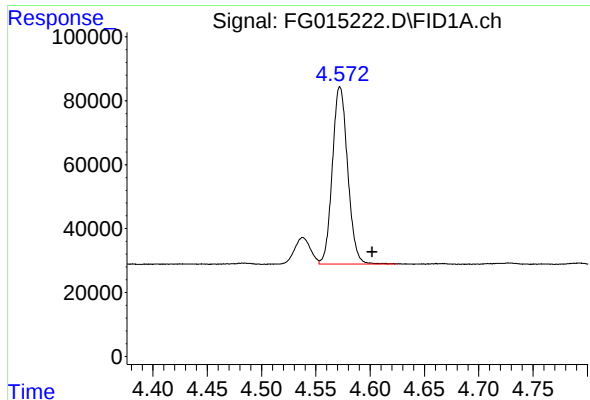
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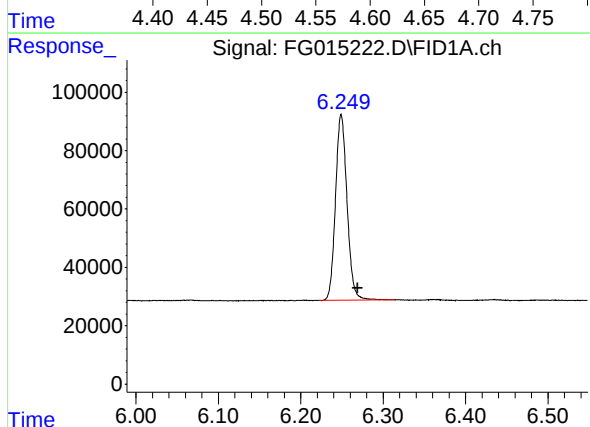
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.572 min
Delta R.T.: -0.030 min
Response: 544398
Conc: 3.39 ug/ml

Instrument :
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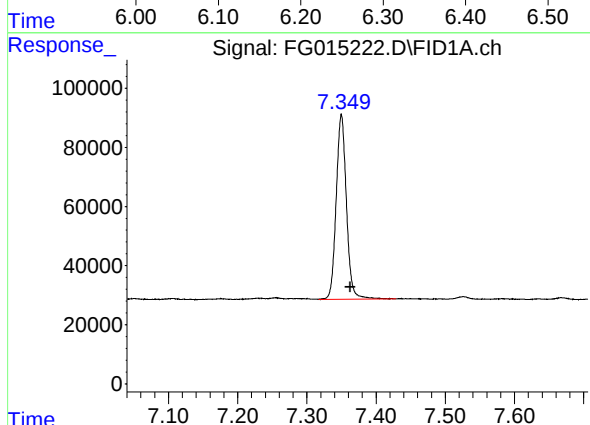
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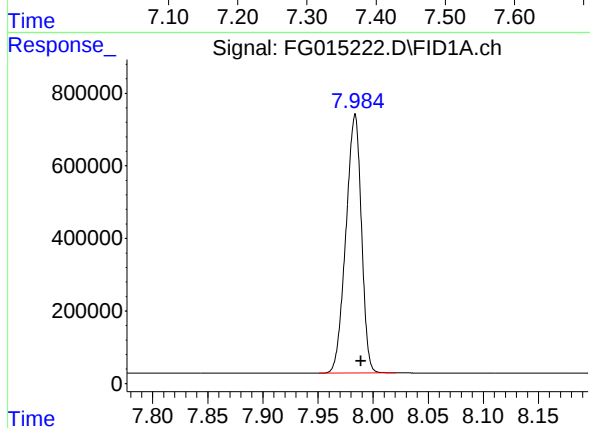
#2 Naphthalene (C11.7)

R.T.: 6.249 min
Delta R.T.: -0.020 min
Response: 618292
Conc: 3.86 ug/ml



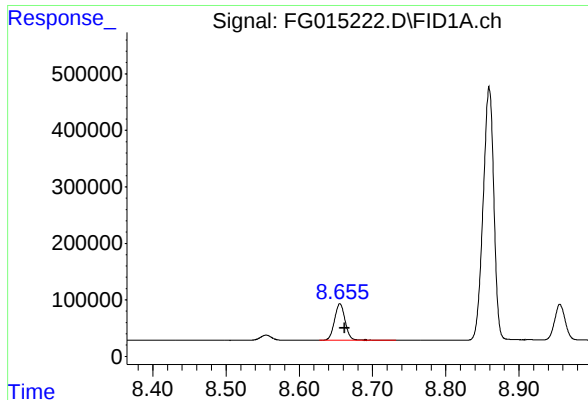
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.349 min
Delta R.T.: -0.014 min
Response: 644553
Conc: 4.05 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.984 min
Delta R.T.: -0.005 min
Response: 6986440
Conc: 52.93 ug/ml m



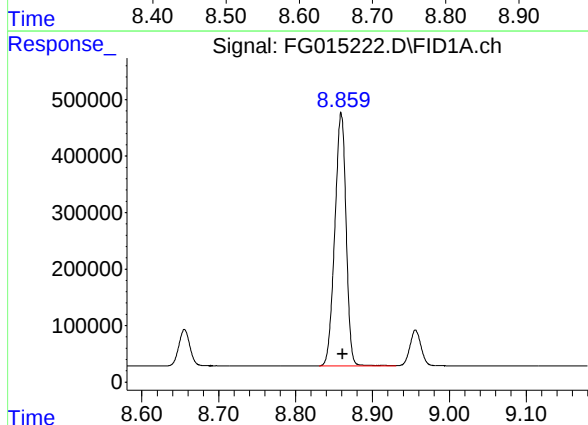
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.007 min
Response: 652801
Conc: 4.11 ug/ml

Instrument : FID_G
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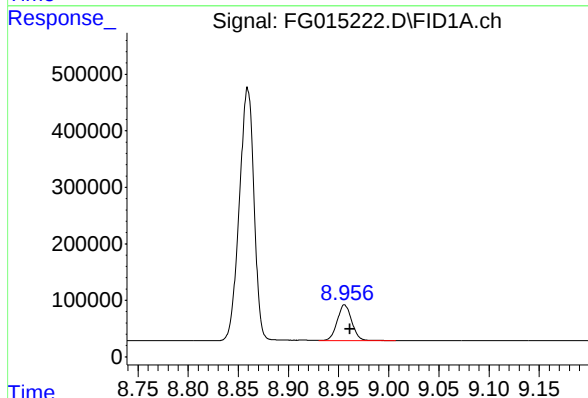
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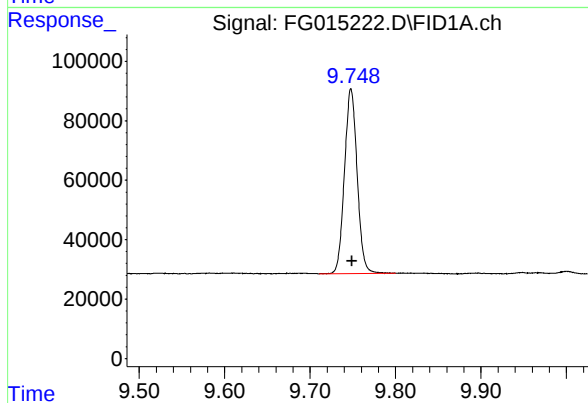
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.859 min
Delta R.T.: -0.002 min
Response: 4571878
Conc: 54.16 ug/ml



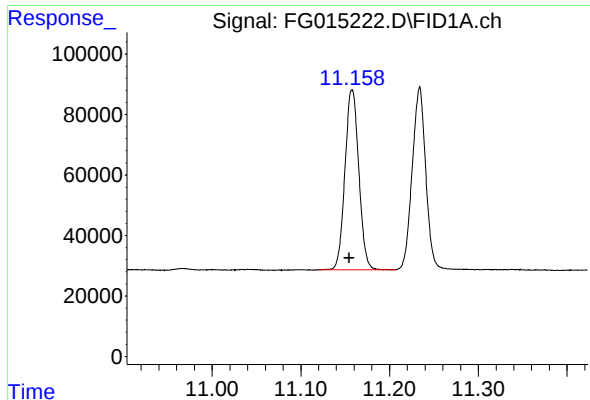
#7 Acenaphthene (C15.5)

R.T.: 8.956 min
Delta R.T.: -0.006 min
Response: 636539
Conc: 3.90 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.748 min
Delta R.T.: -0.001 min
Response: 640438
Conc: 4.07 ug/ml



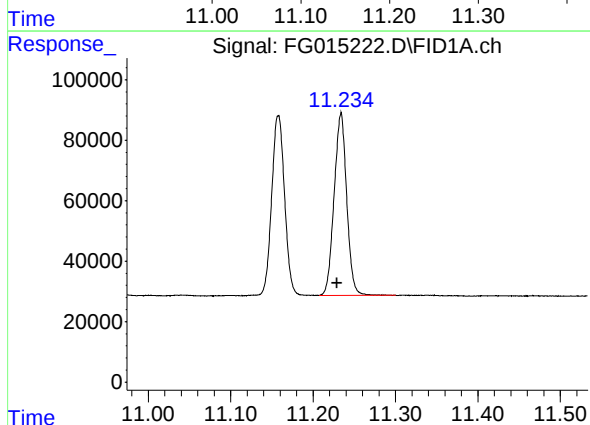
#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.003 min
Response: 644553
Conc: 4.04 ug/ml

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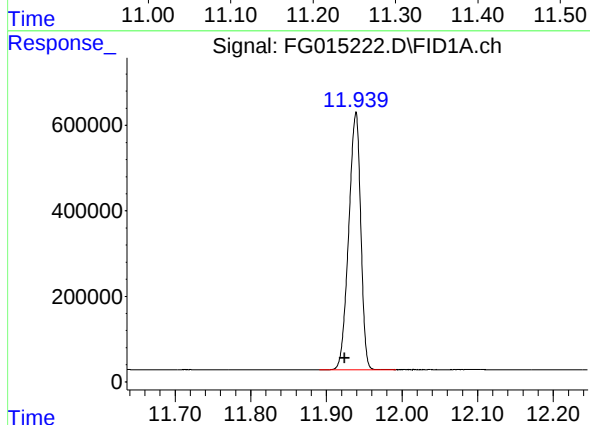
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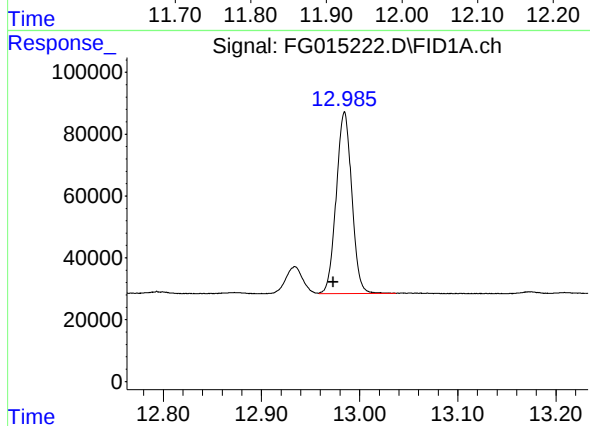
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 640061
Conc: 4.34 ug/ml



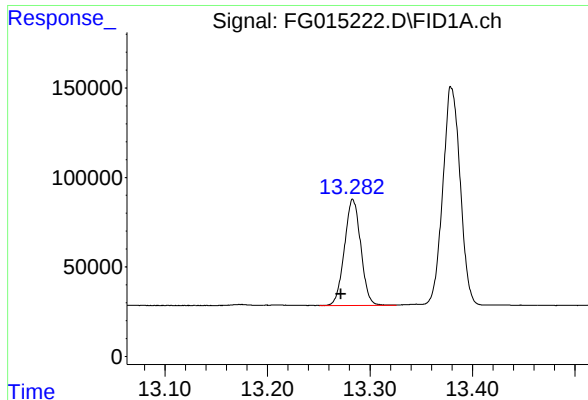
#11 ortho-Terphenyl (SURRE)

R.T.: 11.939 min
Delta R.T.: 0.014 min
Response: 6641863
Conc: 38.58 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.985 min
Delta R.T.: 0.011 min
Response: 645778
Conc: 3.90 ug/ml



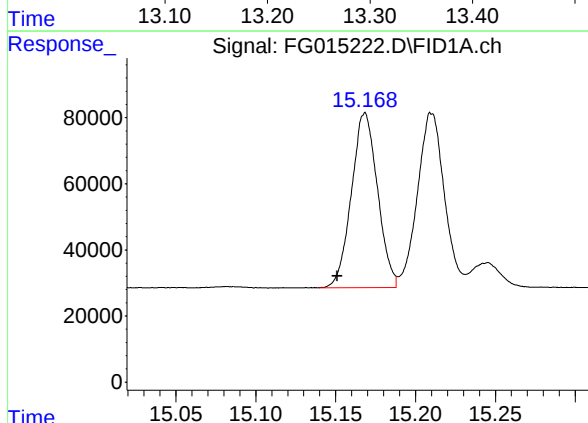
#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.012 min
Response: 656731
Conc: 4.05 ug/ml

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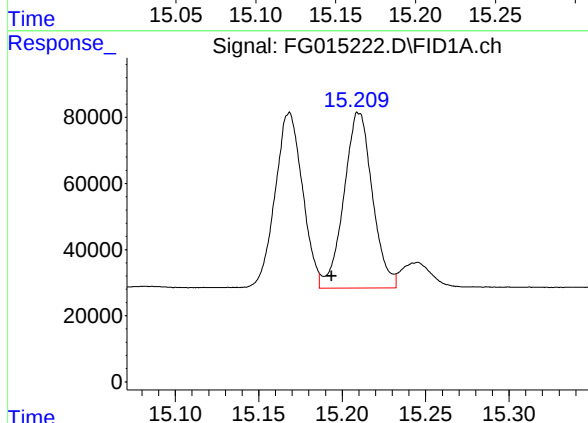
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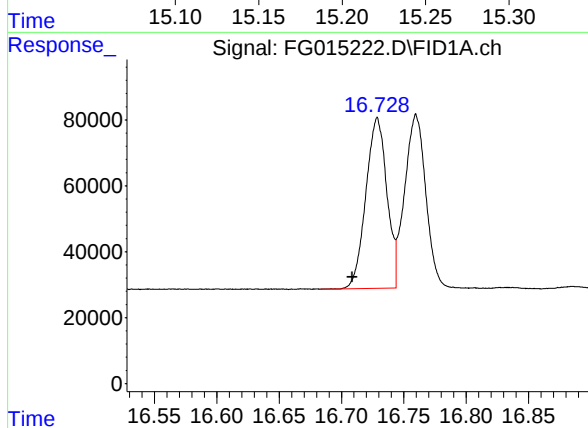
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.168 min
Delta R.T.: 0.017 min
Response: 602786
Conc: 4.04 ug/ml m



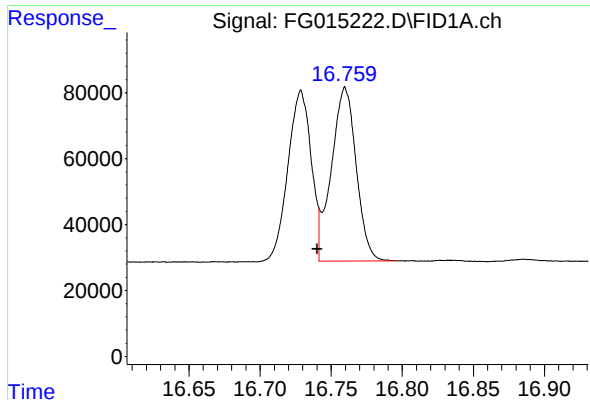
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.015 min
Response: 634040
Conc: 4.08 ug/ml m



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

R.T.: 16.729 min
Delta R.T.: 0.020 min
Response: 606926
Conc: 4.10 ug/ml



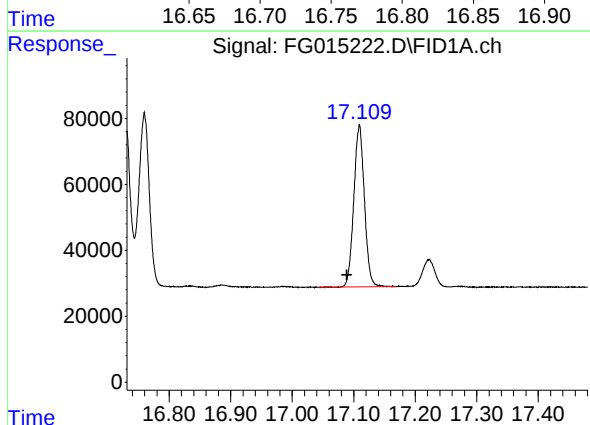
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.759 min
Delta R.T.: 0.019 min
Response: 641313
Conc: 4.54 ug/ml

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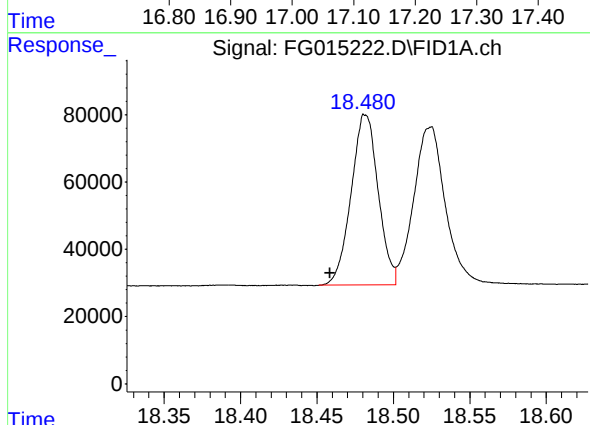
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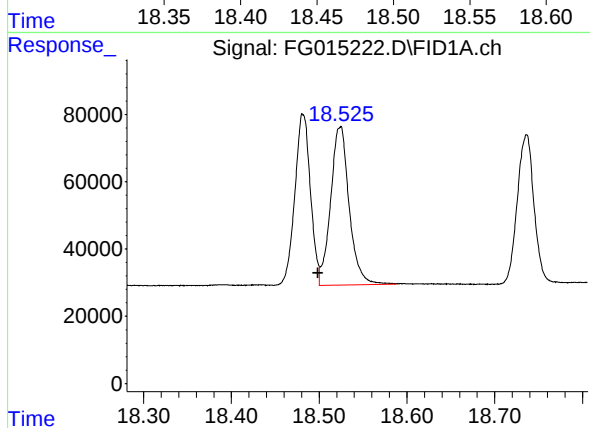
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.109 min
Delta R.T.: 0.020 min
Response: 588190
Conc: 4.14 ug/ml



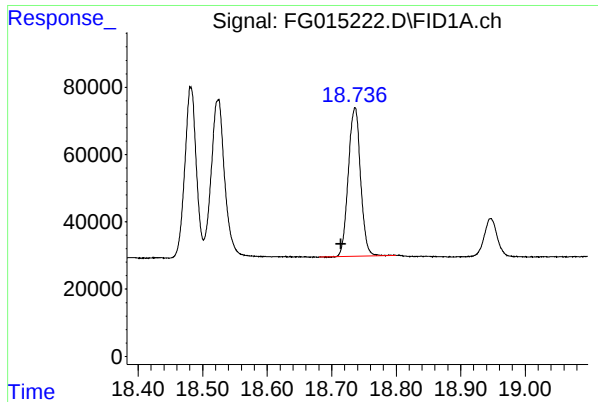
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.480 min
Delta R.T.: 0.022 min
Response: 623736
Conc: 4.95 ug/ml m



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

R.T.: 18.525 min
Delta R.T.: 0.026 min
Response: 691627
Conc: 4.67 ug/ml m



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

R.T.: 18.736 min
Delta R.T.: 0.021 min
Response: 582251
Conc: 4.31 ug/ml

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