

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012925AR\
 Data File : FG015220.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 15:01
 Operator : YP\AJ
 Sample : Q1168-07
 Misc : 2.5 PPM WATER LOD
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-WATER-01-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 02:55:12 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...	7.983	7184517	54.428 ug/ml
Spiked Amount 50.000		Recovery =	108.86%
6) S 2-Fluorobiphenyl (SURR)	8.860	4902771	58.084 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	116.17%
11) S ortho-Terphenyl (SURR)	11.938	6712557	38.994 ug/ml
Spiked Amount 50.000		Recovery =	77.99%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	296818	1.850 ug/ml
2) T Naphthalene (C11.7)	6.250	337408	2.104 ug/ml
3) T 2-Methylnaphthalene (...)	7.350	342932	2.157 ug/ml
5) T Acenaphthylene (C15.06)	8.656	349559	2.200 ug/ml
7) T Acenaphthene (C15.5)	8.956	340525	2.088 ug/ml
8) T Fluorene (C16.55)	9.748	335692	2.132 ug/ml
9) T Phenanthrene (C19.36)	11.158	328967	2.060 ug/ml
10) T Anthracene (C19.43)	11.233	322741	2.186 ug/ml
12) T Fluoranthene (C21.85)	12.984	327561	1.980 ug/ml
13) T Pyrene (C20.8)	13.283	332549	2.053 ug/ml
14) T Benzo[a]anthracene (C...	15.168	302244	2.026 ug/mlm
15) T Chrysene (C27.41)	15.209	312961	2.015 ug/mlm
16) T benzo[b]fluoranthene ...	16.728	305398	2.064 ug/ml
17) T Bnezo[k]fluoranthene ...	16.758	329456	2.330 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.110	296739	2.089 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.481	298438	2.368 ug/mlm
20) T Dibenz[a,h]anthracene...	18.525	361103	2.441 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.736	281916	2.088 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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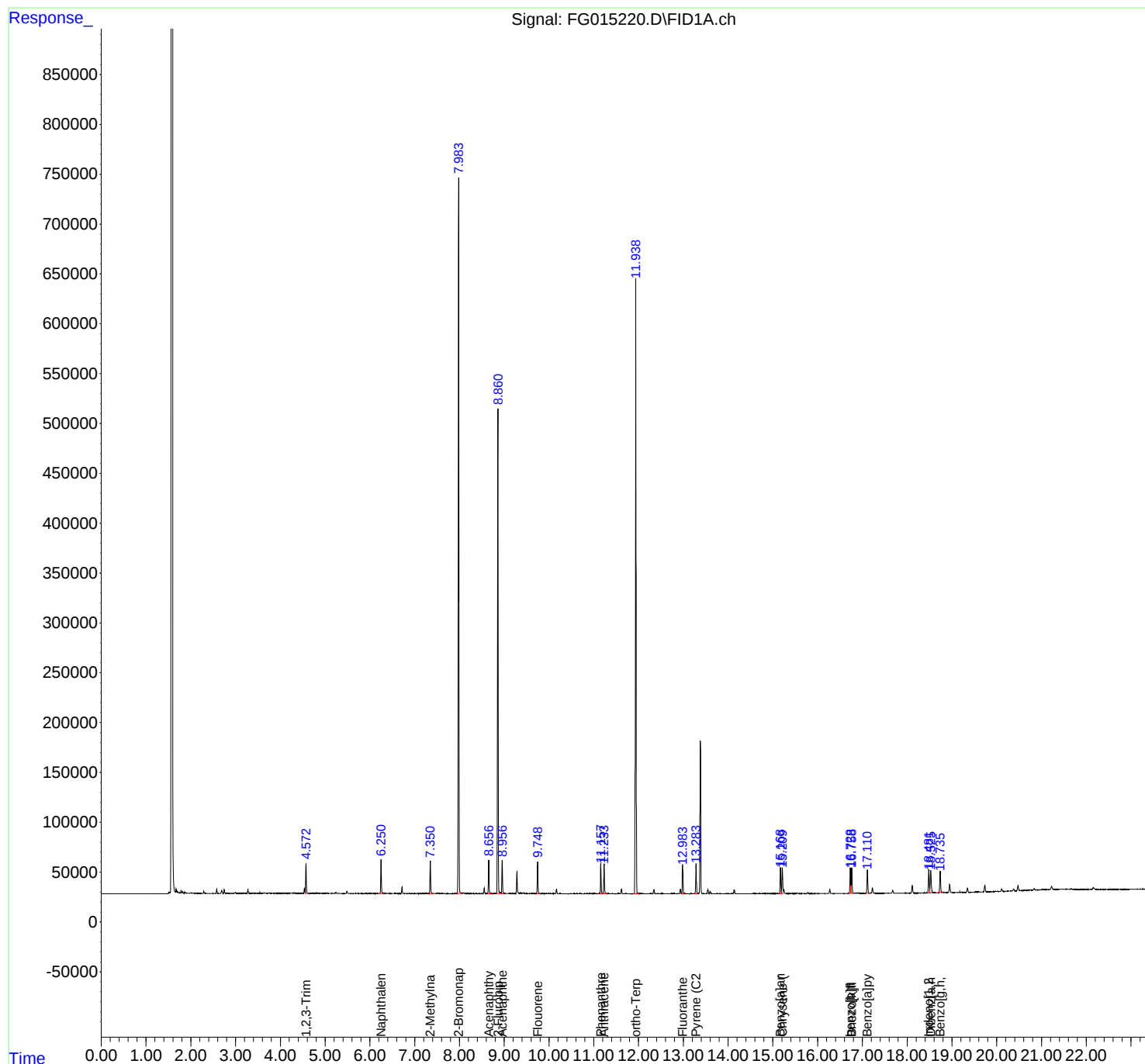
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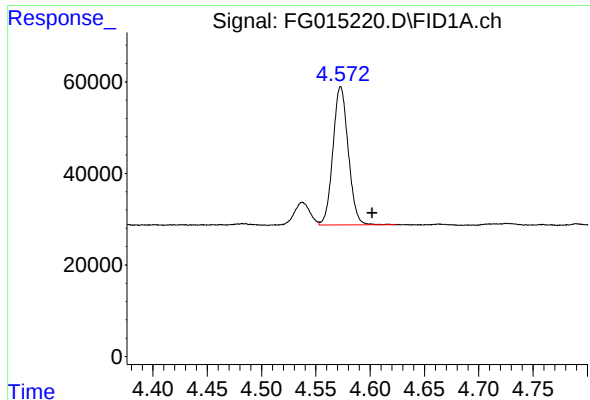
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 296818
Conc: 1.85 ug/ml

Instrument :

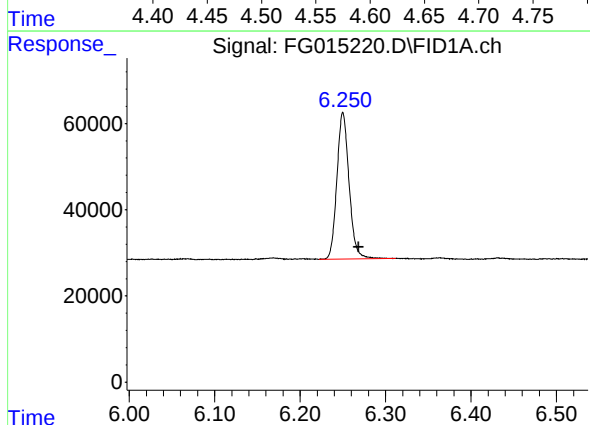
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ClientSampleId :

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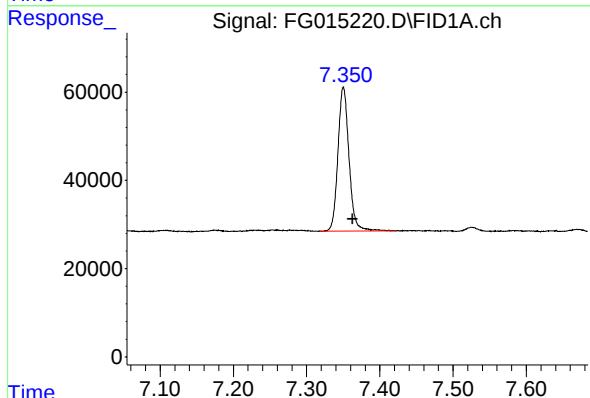
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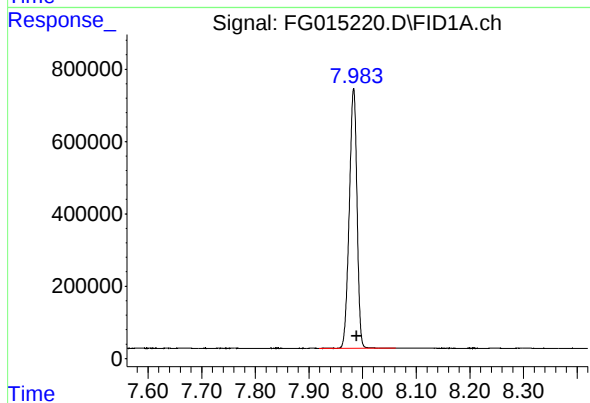
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 337408
Conc: 2.10 ug/ml



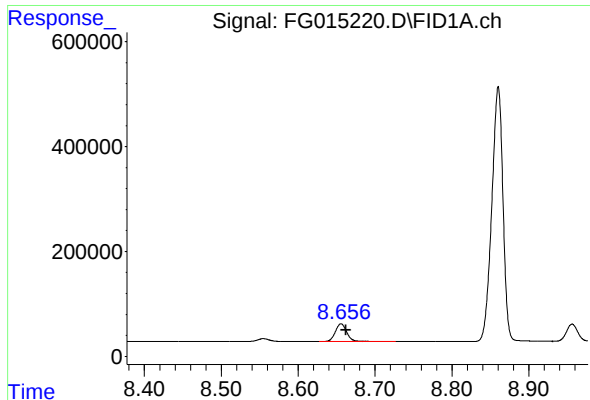
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.350 min
Delta R.T.: -0.013 min
Response: 342932
Conc: 2.16 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.983 min
Delta R.T.: -0.006 min
Response: 7184517
Conc: 54.43 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 349559
Conc: 2.20 ug/ml

Instrument :

FID_G

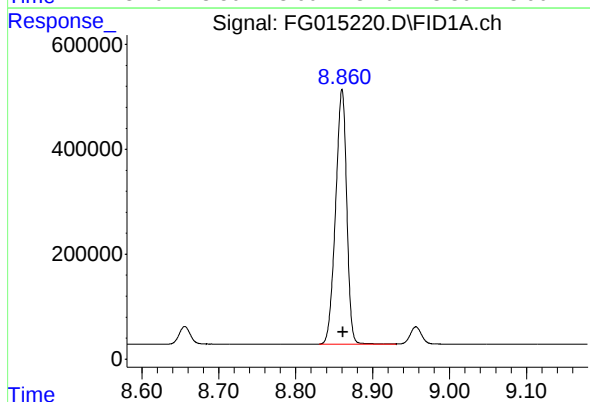
ClientSampleId :

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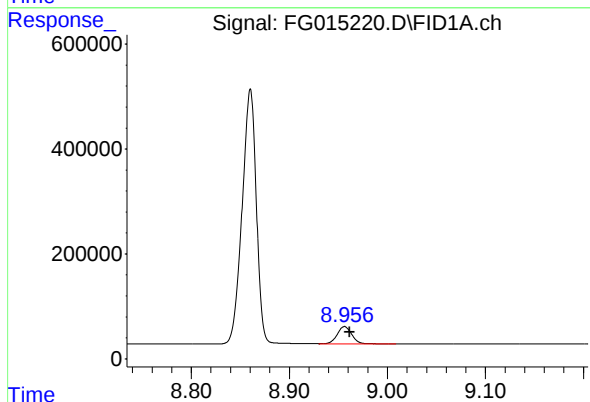
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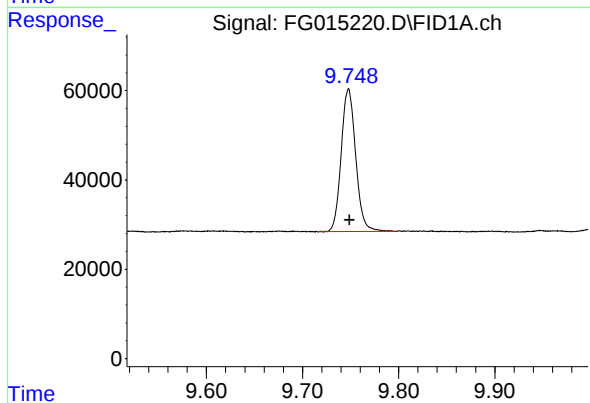
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 4902771
Conc: 58.08 ug/ml



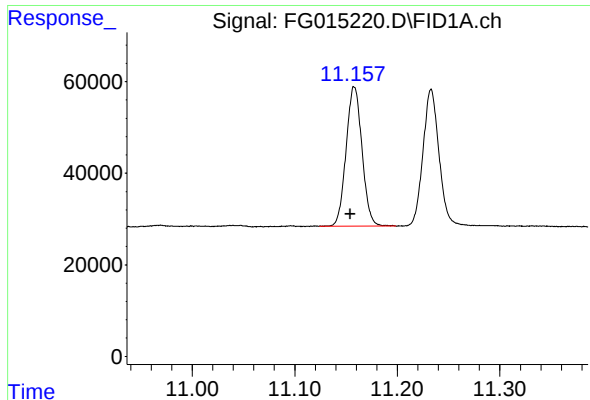
#7 Acenaphthene (C15.5)

R.T.: 8.956 min
Delta R.T.: -0.005 min
Response: 340525
Conc: 2.09 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.748 min
Delta R.T.: -0.001 min
Response: 335692
Conc: 2.13 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.158 min
Delta R.T.: 0.004 min
Response: 328967
Conc: 2.06 ug/ml

Instrument :

FID_G

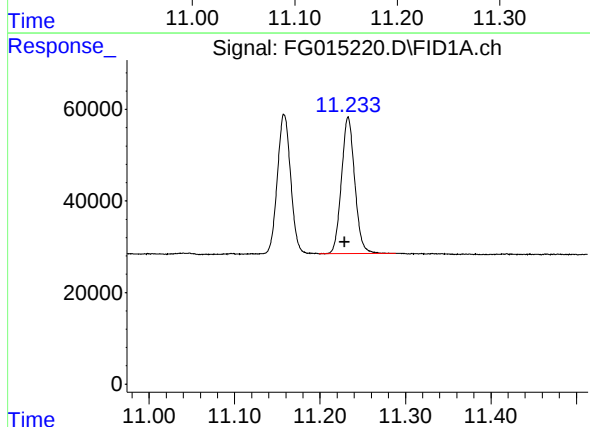
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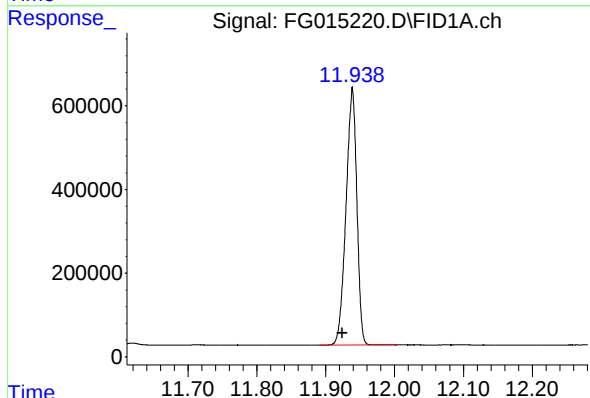
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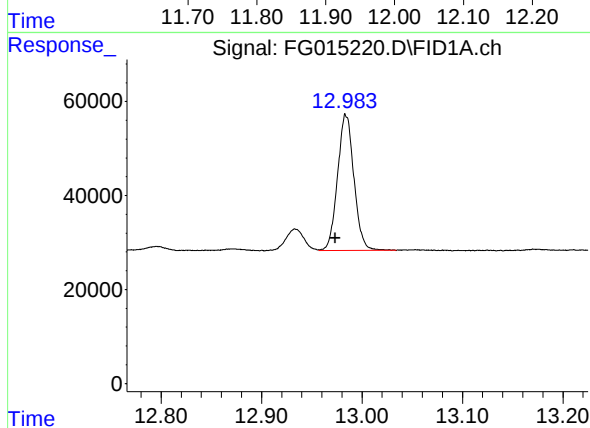
#10 Anthracene (C19.43)

R.T.: 11.233 min
Delta R.T.: 0.004 min
Response: 322741
Conc: 2.19 ug/ml



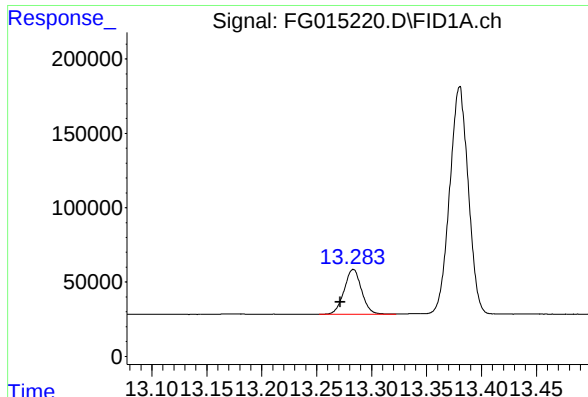
#11 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: 0.014 min
Response: 6712557
Conc: 38.99 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.984 min
Delta R.T.: 0.011 min
Response: 327561
Conc: 1.98 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.283 min
Delta R.T.: 0.012 min
Response: 332549
Conc: 2.05 ug/ml

Instrument :

FID_G

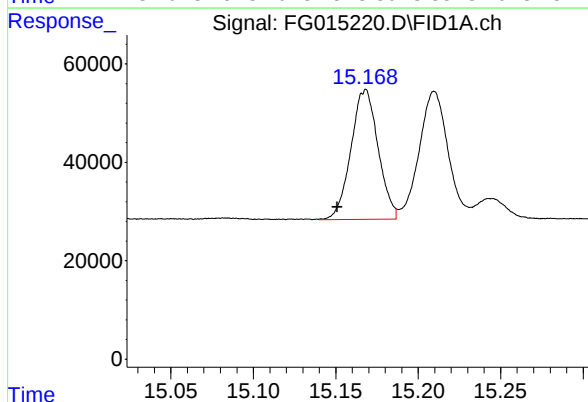
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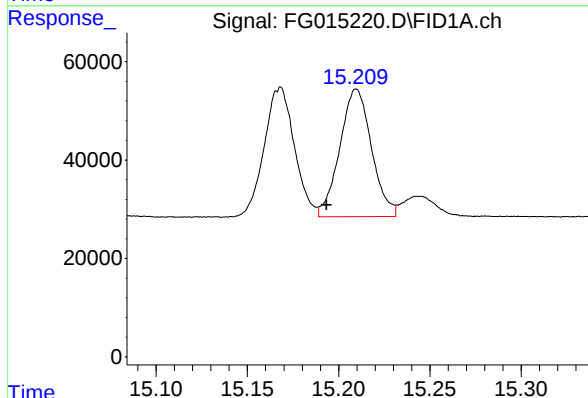
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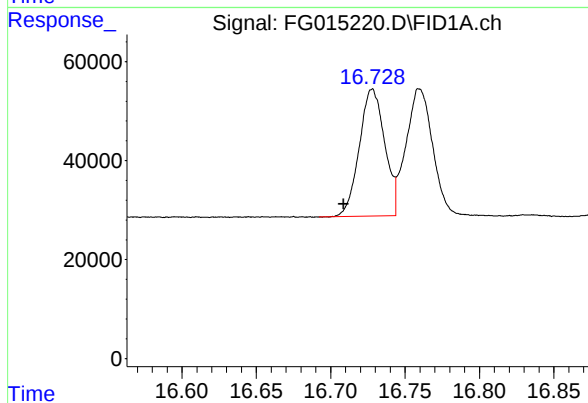
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.168 min
Delta R.T.: 0.017 min
Response: 302244
Conc: 2.03 ug/ml m



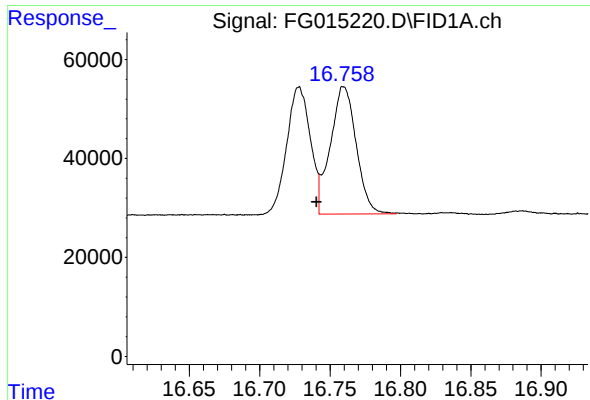
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.016 min
Response: 312961
Conc: 2.01 ug/ml m



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

R.T.: 16.728 min
Delta R.T.: 0.019 min
Response: 305398
Conc: 2.06 ug/ml



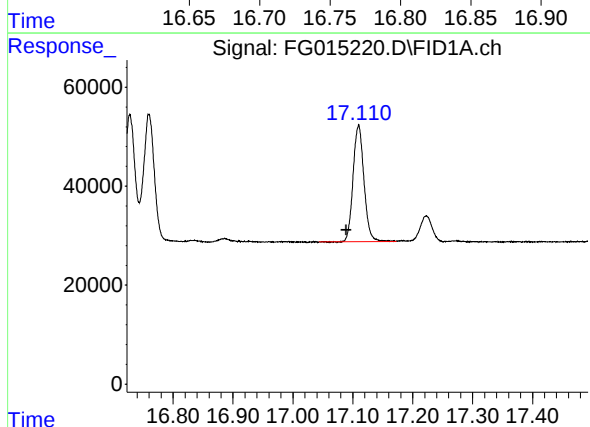
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.758 min
Delta R.T.: 0.018 min
Response: 329456
Conc: 2.33 ug/ml

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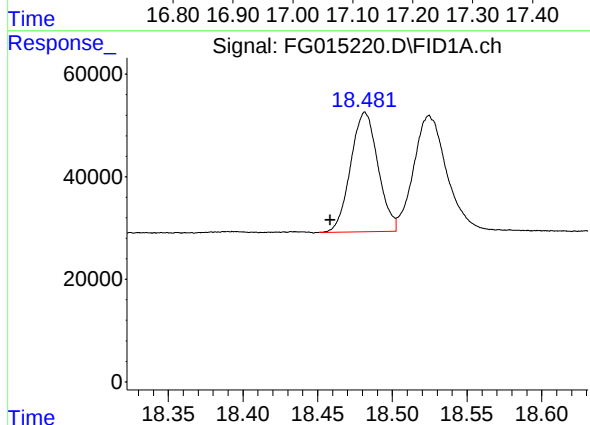
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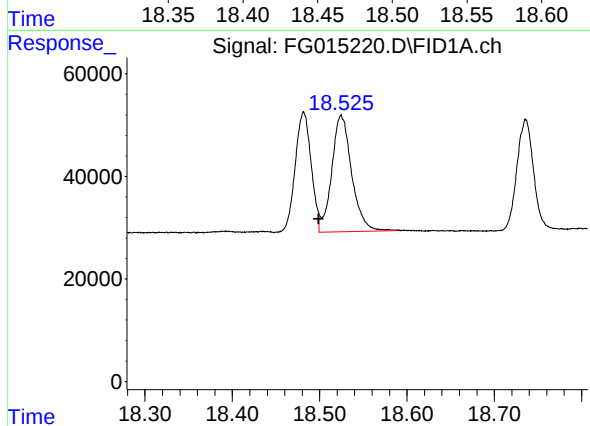
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.021 min
Response: 296739
Conc: 2.09 ug/ml



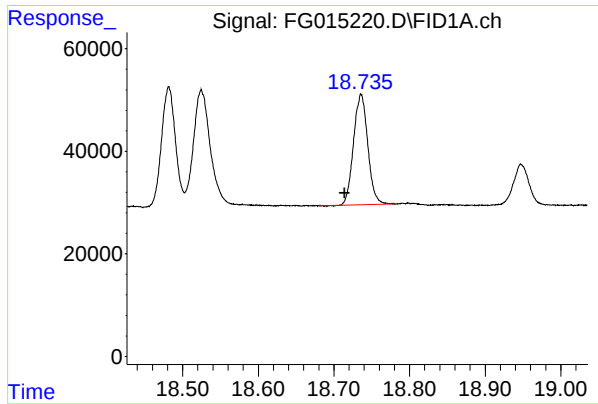
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.481 min
Delta R.T.: 0.023 min
Response: 298438
Conc: 2.37 ug/ml m



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

R.T.: 18.525 min
Delta R.T.: 0.026 min
Response: 361103
Conc: 2.44 ug/ml m



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

R.T.: 18.736 min
Delta R.T.: 0.021 min
Response: 281916
Conc: 2.09 ug/ml

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