

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG012825AR\
 Data File : FG015203.D
 Signal(s) : FID1A.ch
 Acq On : 29 Jan 2025 03:15
 Operator : YP\AJ
 Sample : Q1168-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 67 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 06:13:41 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	6530554	49.474 ug/ml
Spiked Amount 50.000		Recovery =	98.95%
6) S 2-Fluorobiphenyl (SURR)	8.860	4477583	53.047 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	106.09%
11) S ortho-Terphenyl (SURR)	11.939	6369425	37.001 ug/ml
Spiked Amount 50.000		Recovery =	74.00%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.573	438665	2.735 ug/ml
2) T Naphthalene (C11.7)	6.250	492843	3.074 ug/mlm
3) T 2-Methylnaphthalene (...)	7.351	502008	3.157 ug/ml
5) T Acenaphthylene (C15.06)	8.656	510220	3.211 ug/ml
7) T Acenaphthene (C15.5)	8.957	499898	3.066 ug/ml
8) T Fluorene (C16.55)	9.749	500348	3.178 ug/ml
9) T Phenanthrene (C19.36)	11.159	500872	3.137 ug/ml
10) T Anthracene (C19.43)	11.234	494503	3.349 ug/ml
12) T Fluoranthene (C21.85)	12.985	497032	3.004 ug/ml
13) T Pyrene (C20.8)	13.284	504460	3.114 ug/ml
14) T Benzo[a]anthracene (C...	15.169	459125	3.078 ug/mlm
15) T Chrysene (C27.41)	15.209	471374	3.035 ug/mlm
16) T benzo[b]fluoranthene ...	16.729	468415	3.165 ug/ml
17) T Bnezo[k]fluoranthene ...	16.760	485911	3.437 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.110	455497	3.206 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.483	479635	3.806 ug/mlm
20) T Dibenz[a,h]anthracene...	18.523	512389	3.463 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.737	447804	3.317 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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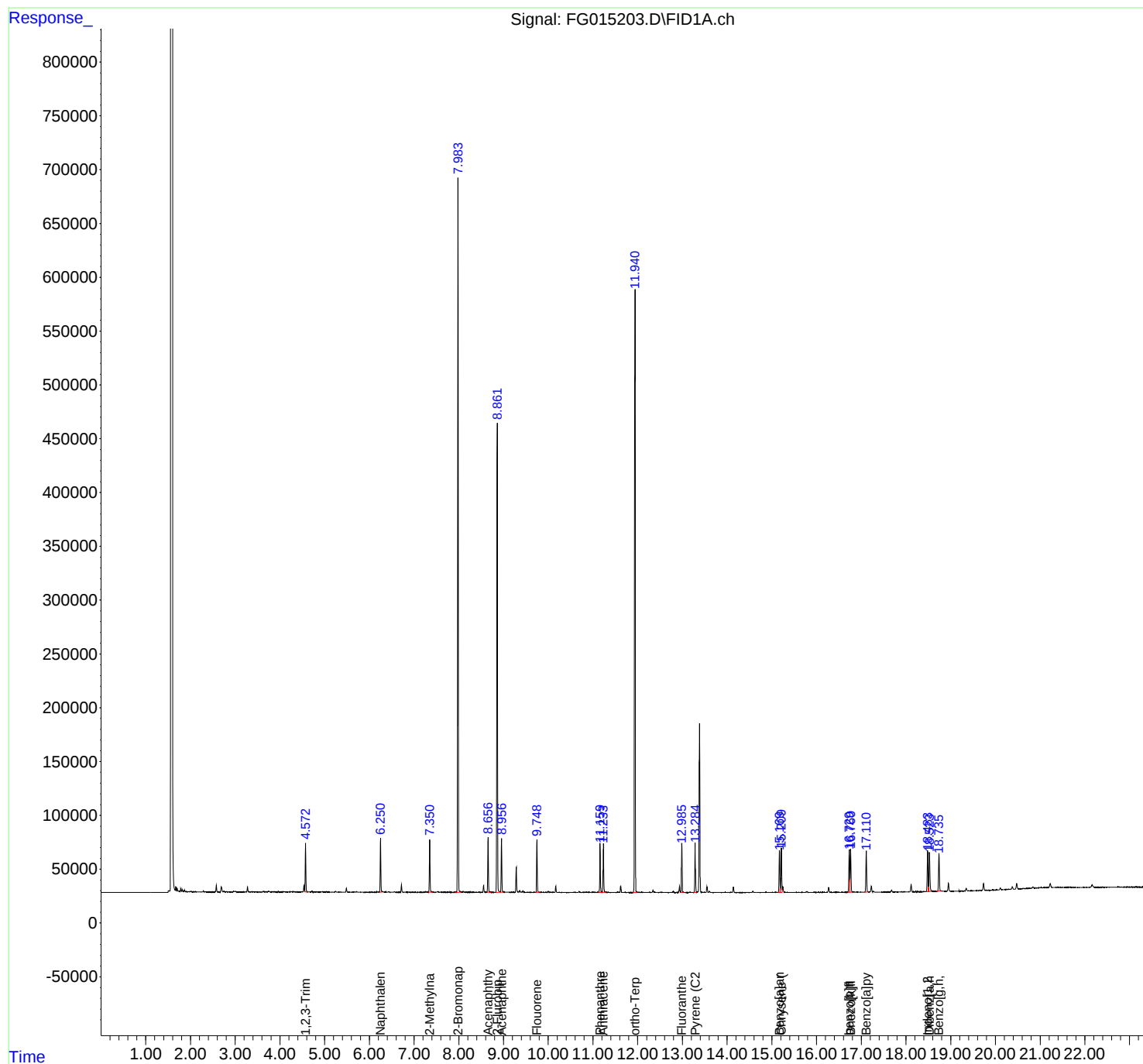
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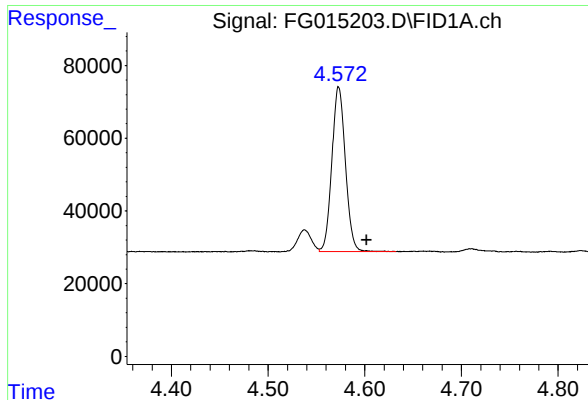
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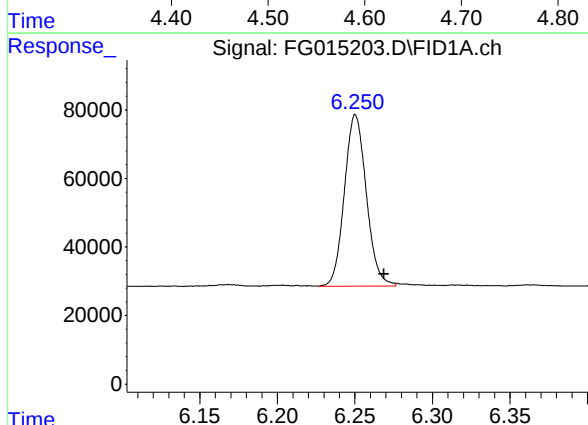
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.573 min
Delta R.T.: -0.029 min
Response: 438665
Conc: 2.73 ug/ml

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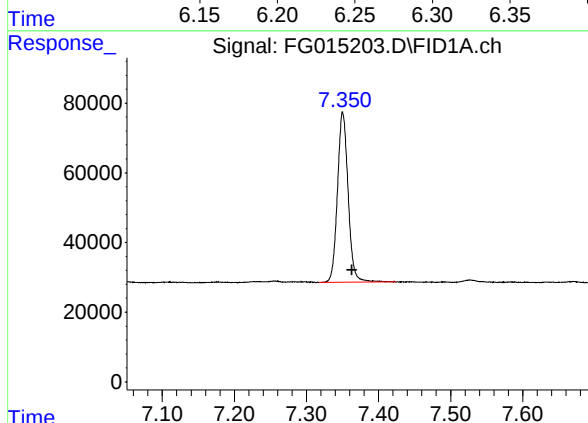
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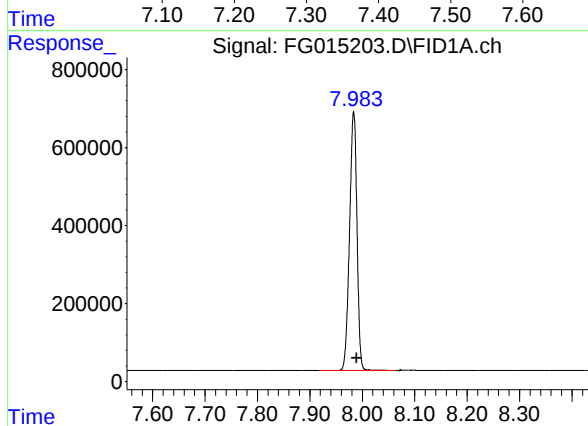
#2 Naphthalene (C11.7)

R.T.: 6.250 min
Delta R.T.: -0.019 min
Response: 492843
Conc: 3.07 ug/ml m



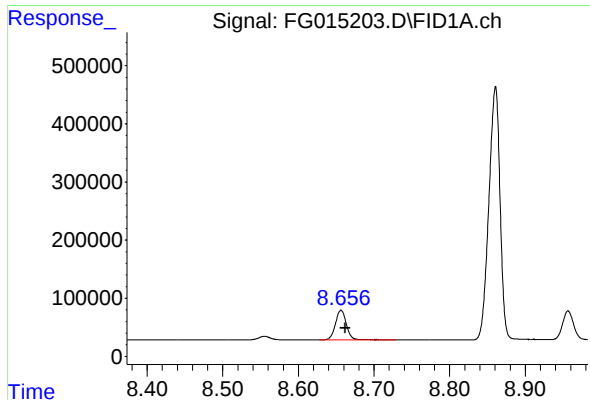
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.351 min
Delta R.T.: -0.013 min
Response: 502008
Conc: 3.16 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.984 min
Delta R.T.: -0.005 min
Response: 6530554
Conc: 49.47 ug/ml



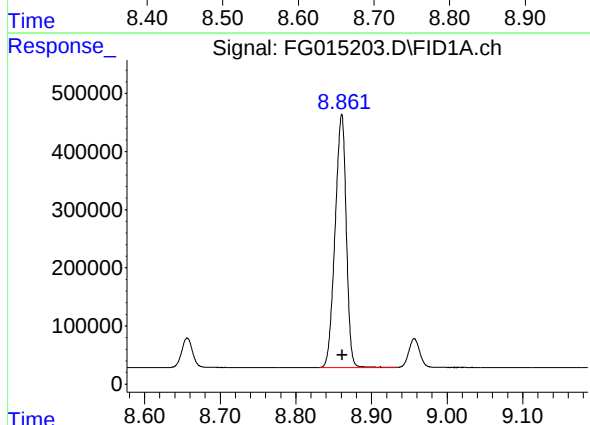
#5 Acenaphthylene (C15.06)

R.T.: 8.656 min
Delta R.T.: -0.006 min
Response: 510220
Conc: 3.21 ug/ml

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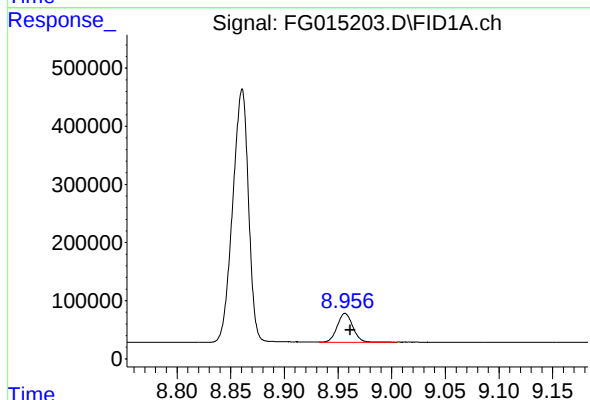
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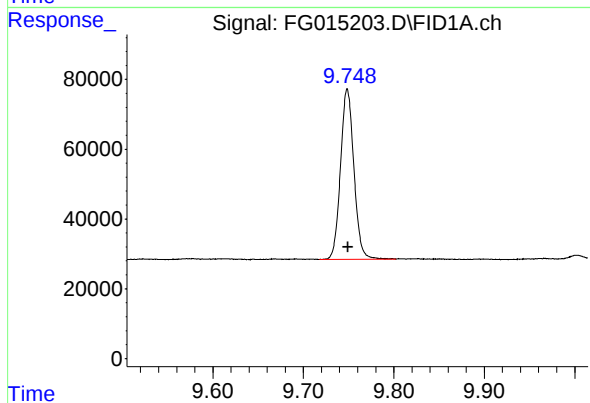
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.860 min
Delta R.T.: -0.001 min
Response: 4477583
Conc: 53.05 ug/ml



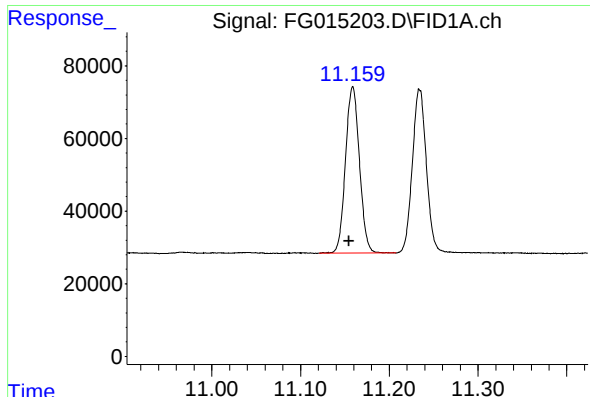
#7 Acenaphthene (C15.5)

R.T.: 8.957 min
Delta R.T.: -0.005 min
Response: 499898
Conc: 3.07 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.749 min
Delta R.T.: 0.000 min
Response: 500348
Conc: 3.18 ug/ml



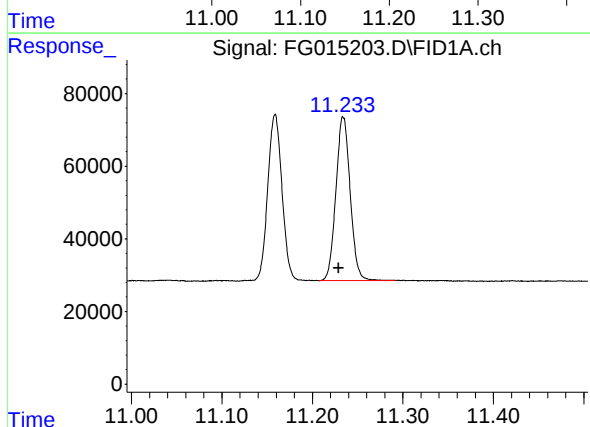
#9 Phenanthrene (C19.36)

R.T.: 11.159 min
Delta R.T.: 0.004 min
Response: 500872
Conc: 3.14 ug/ml

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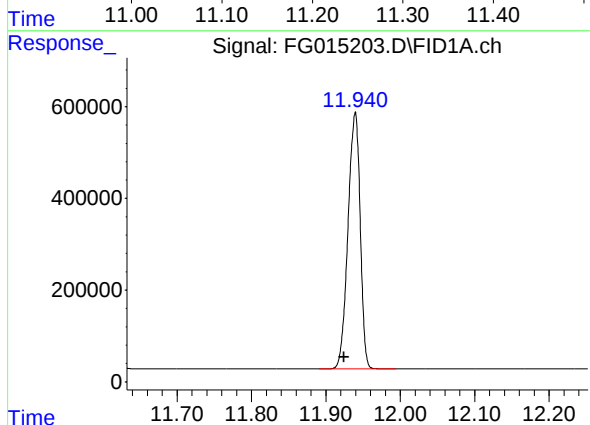
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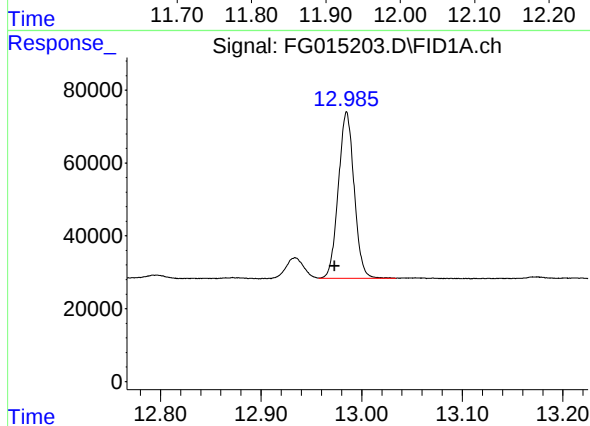
#10 Anthracene (C19.43)

R.T.: 11.234 min
Delta R.T.: 0.005 min
Response: 494503
Conc: 3.35 ug/ml



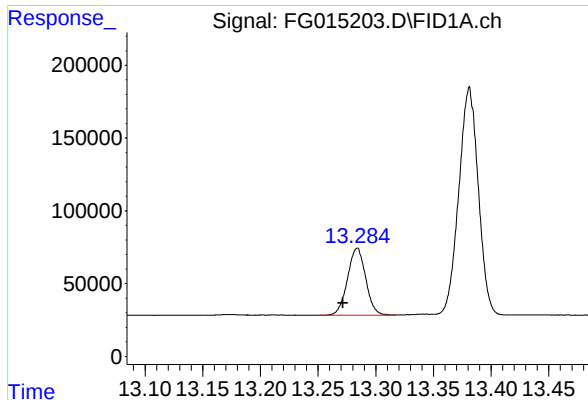
#11 ortho-Terphenyl (SURR)

R.T.: 11.939 min
Delta R.T.: 0.015 min
Response: 6369425
Conc: 37.00 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.985 min
Delta R.T.: 0.012 min
Response: 497032
Conc: 3.00 ug/ml



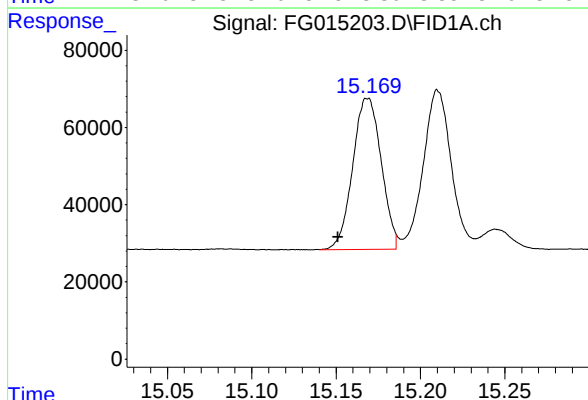
#13 Pyrene (C20.8)

R.T.: 13.284 min
Delta R.T.: 0.012 min
Response: 504460
Conc: 3.11 ug/ml

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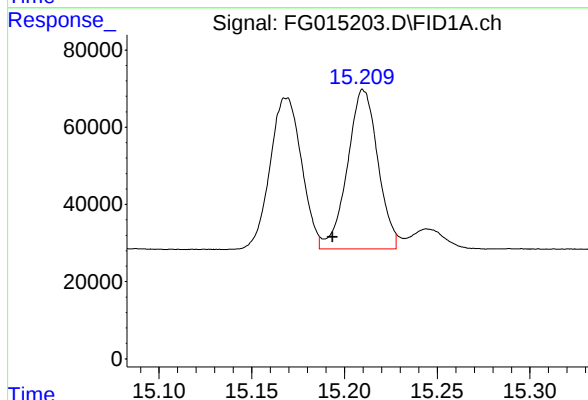
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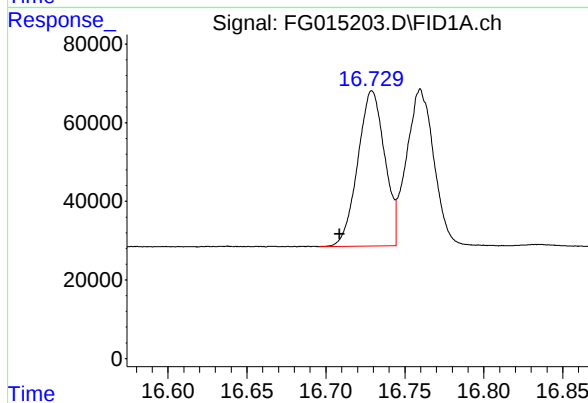
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.169 min
Delta R.T.: 0.018 min
Response: 459125
Conc: 3.08 ug/ml m



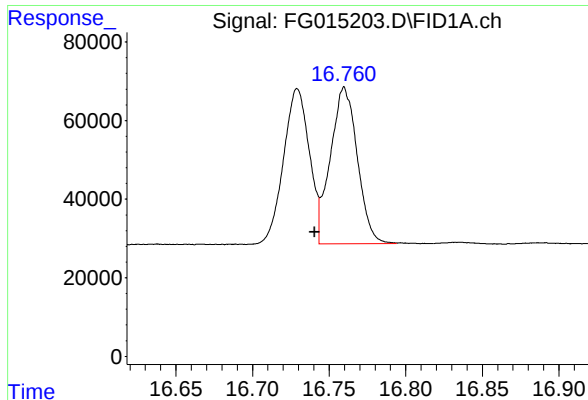
#15 Chrysene (C27.41)

R.T.: 15.209 min
Delta R.T.: 0.016 min
Response: 471374
Conc: 3.03 ug/ml m



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

R.T.: 16.729 min
Delta R.T.: 0.021 min
Response: 468415
Conc: 3.17 ug/ml



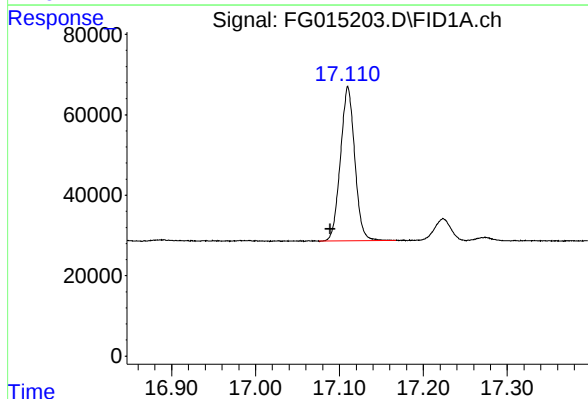
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.760 min
Delta R.T.: 0.019 min
Response: 485911
Conc: 3.44 ug/ml

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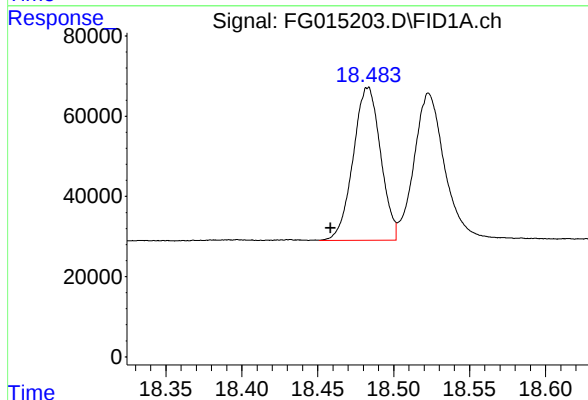
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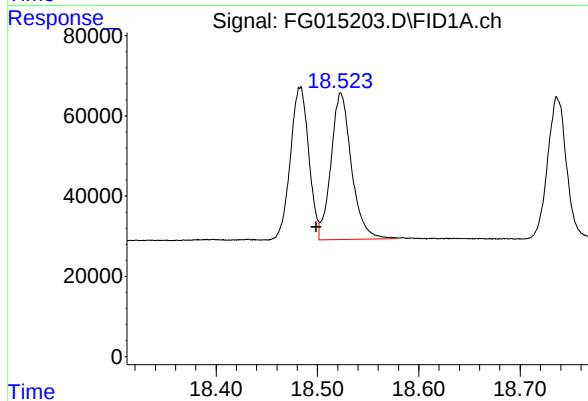
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.110 min
Delta R.T.: 0.021 min
Response: 455497
Conc: 3.21 ug/ml



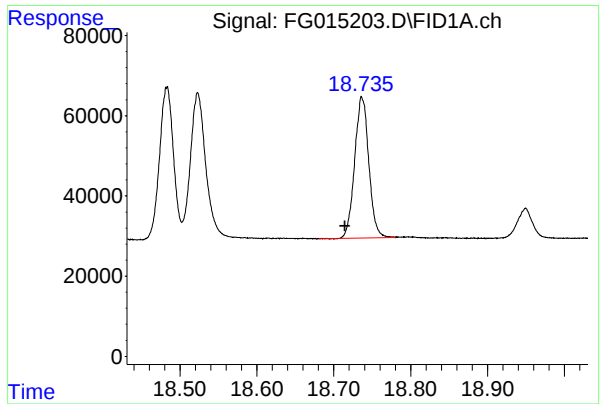
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.483 min
Delta R.T.: 0.025 min
Response: 479635
Conc: 3.81 ug/ml m



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

R.T.: 18.523 min
Delta R.T.: 0.024 min
Response: 512389
Conc: 3.46 ug/ml m



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

R.T.: 18.737 min
Delta R.T.: 0.022 min
Response: 447804
Conc: 3.32 ug/ml

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