

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102925AR\
 Data File : FG016861.D
 Signal(s) : FID1A.ch
 Acq On : 29 Oct 2025 23:31
 Operator : YP\AJ
 Sample : 10 PPM AROMATIC HC STD4
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM AROMATIC HC STD4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/30/2025
 Supervised By :mohammad ahmed 10/31/2025

Integration File: autoint1.e
 Quant Time: Oct 30 05:29:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102925.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 30 05:27:38 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...	8.079	964322	8.842 ug/ml
Spiked Amount 50.000		Recovery =	17.68%
6) S 2-Fluorobiphenyl (SURR)	8.969	506574	8.366 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	16.73%
11) S ortho-Terphenyl (SURR)	12.038	1427289	9.858 ug/ml
Spiked Amount 50.000		Recovery =	19.72%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.662	1271259	9.678 ug/ml
2) T Naphthalene (C11.7)	6.346	1264207	9.386 ug/ml
3) T 2-Methylnaphthalene (...)	7.449	1233173	10.094 ug/ml
5) T Acenaphthylene (C15.06)	8.758	1069866	8.860 ug/ml
7) T Acenaphthene (C15.5)	9.057	1344917	9.768 ug/ml
8) T Flouorene (C16.55)	9.858	1149341	9.215 ug/ml
9) T Phenanthrene (C19.36)	11.272	1112069	9.349 ug/ml
10) T Anthracene (C19.43)	11.350	1543533	11.034 ug/ml
12) T Fluoranthene (C21.85)	13.105	1334695	9.757 ug/ml
13) T Pyrene (C20.8)	13.404	1377007	9.768 ug/ml
14) T Benzo[a]anthracene (C...	15.302	873655	8.189 ug/ml
15) T Chrysene (C27.41)	15.342	1730356	10.880 ug/ml
16) T benzo[b]fluoranthene ...	16.870	922122	8.433 ug/ml
17) T Bnezo[k]fluoranthene ...	16.901	1539828	10.616 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.261	1003686	9.008 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.649	738575	9.652 ug/ml
20) T Dibenz[a,h]anthracene...	18.684	1481775	10.069 ug/ml
21) T Benzo[g,h,i]perylene ...	18.895	1201571	10.054 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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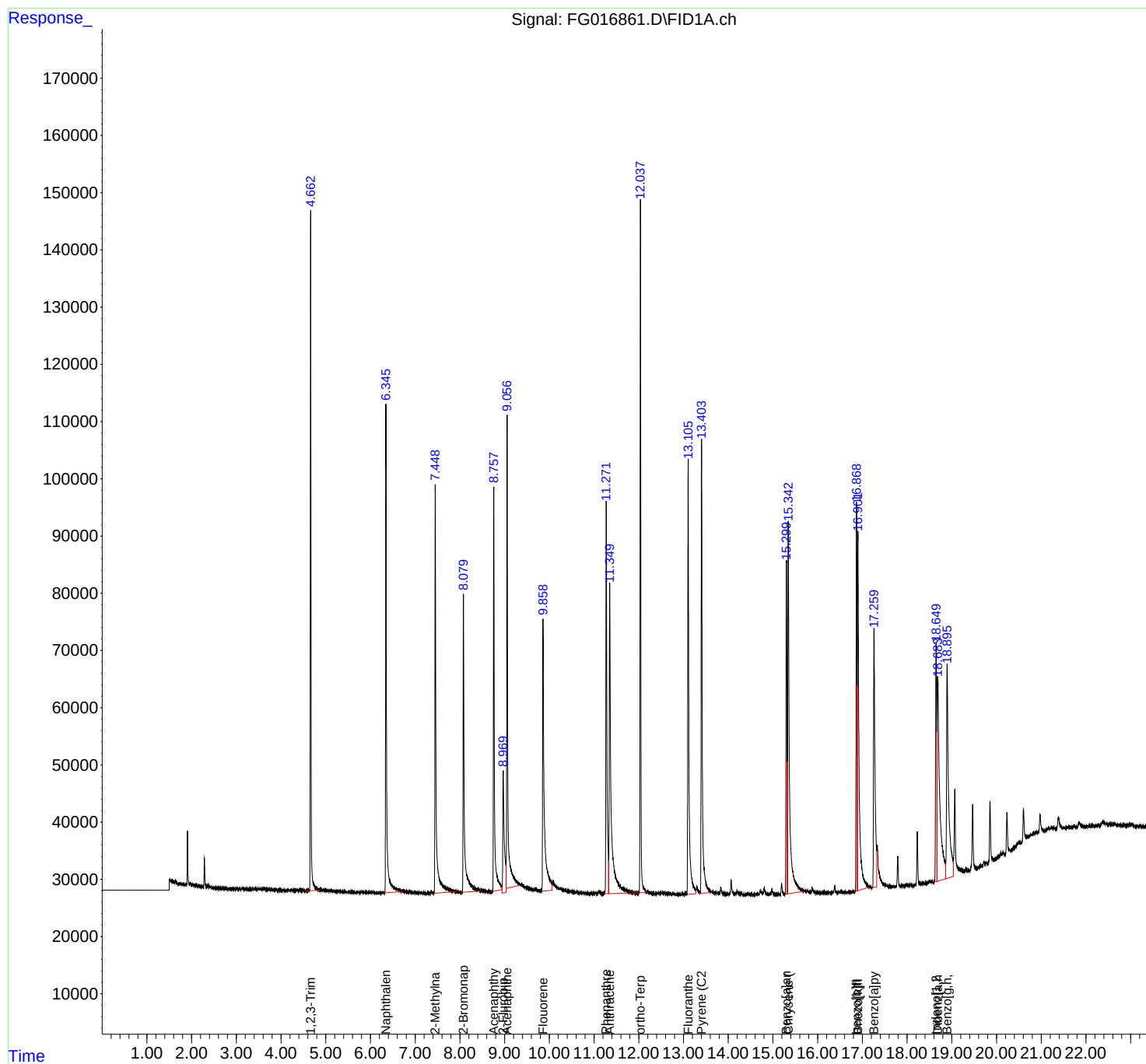
Instrument :
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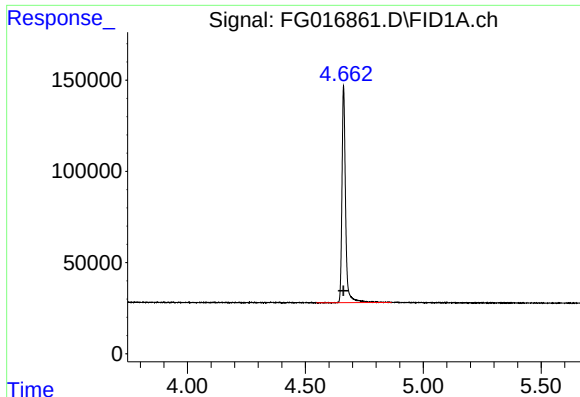
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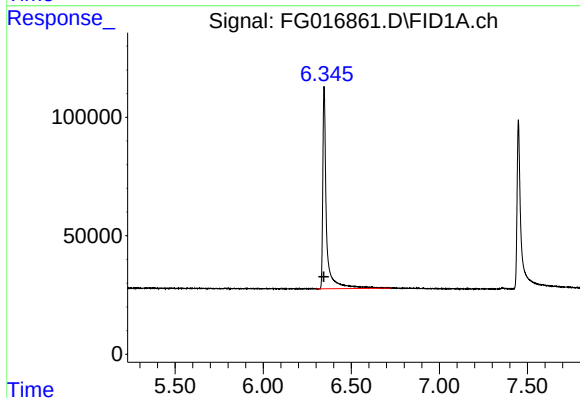
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.662 min
Delta R.T.: 0.001 min
Response: 1271259
Conc: 9.68 ug/ml

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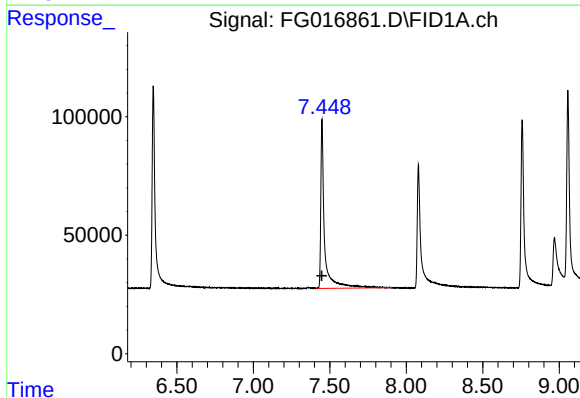
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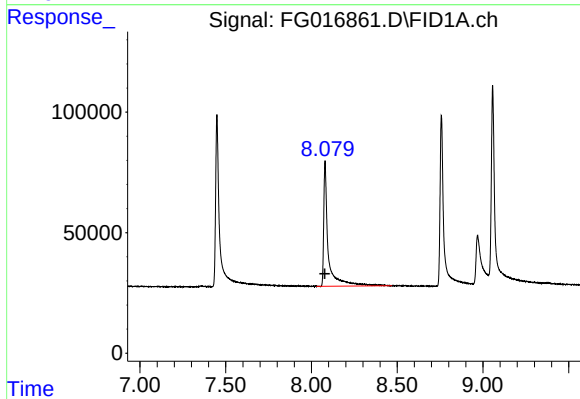
#2 Naphthalene (C11.7)

R.T.: 6.346 min
Delta R.T.: 0.002 min
Response: 1264207
Conc: 9.39 ug/ml



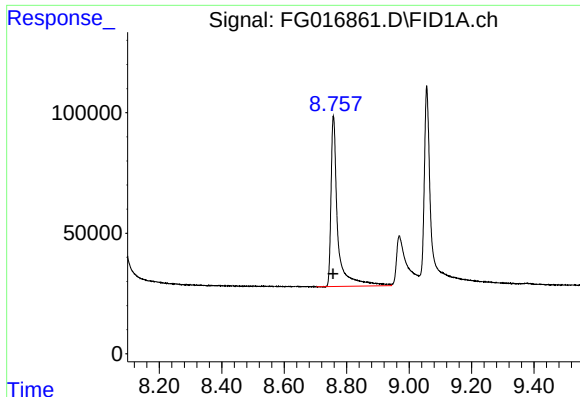
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.449 min
Delta R.T.: 0.002 min
Response: 1233173
Conc: 10.09 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.079 min
Delta R.T.: 0.002 min
Response: 964322
Conc: 8.84 ug/ml



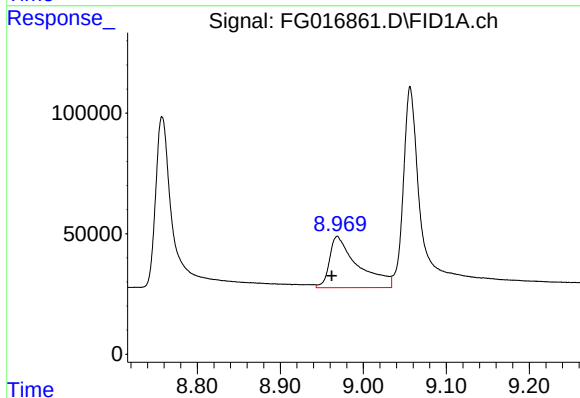
#5 Acenaphthylene (C15.06)

R.T.: 8.758 min
Delta R.T.: 0.001 min
Response: 1069866
Conc: 8.86 ug/ml

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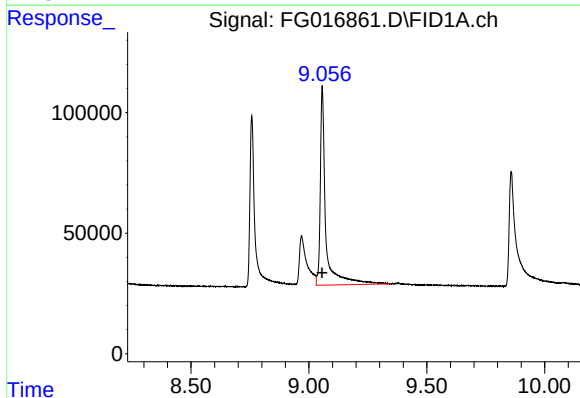
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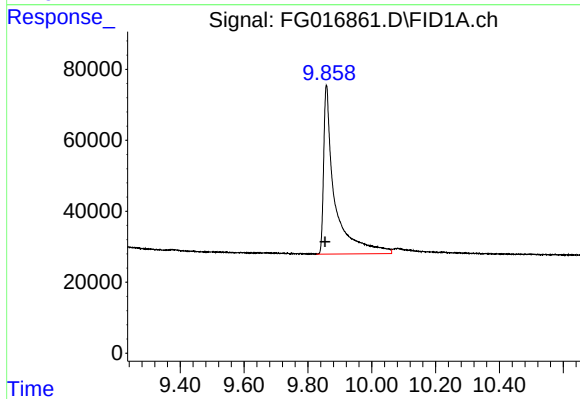
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.969 min
Delta R.T.: 0.007 min
Response: 506574
Conc: 8.37 ug/ml m



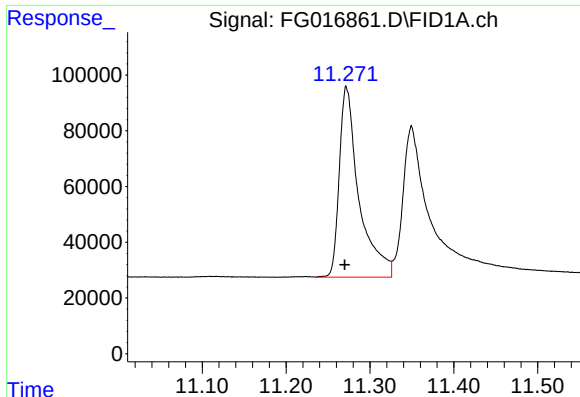
#7 Acenaphthene (C15.5)

R.T.: 9.057 min
Delta R.T.: 0.000 min
Response: 1344917
Conc: 9.77 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.858 min
Delta R.T.: 0.004 min
Response: 1149341
Conc: 9.21 ug/ml



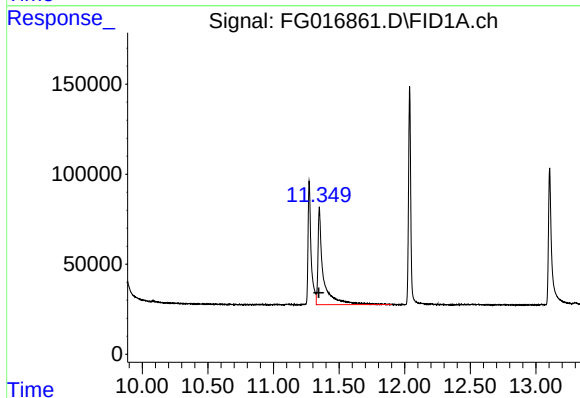
#9 Phenanthrene (C19.36)

R.T.: 11.272 min
Delta R.T.: 0.002 min
Response: 1112069
Conc: 9.35 ug/ml

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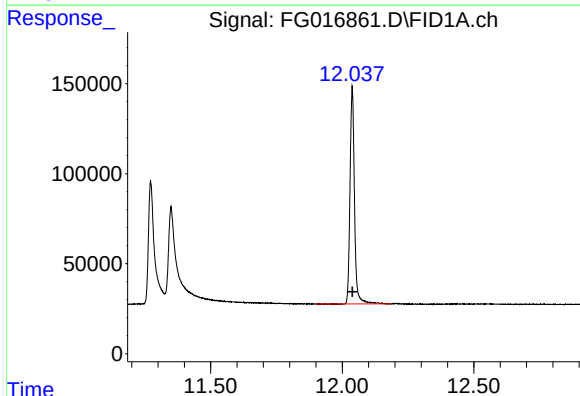
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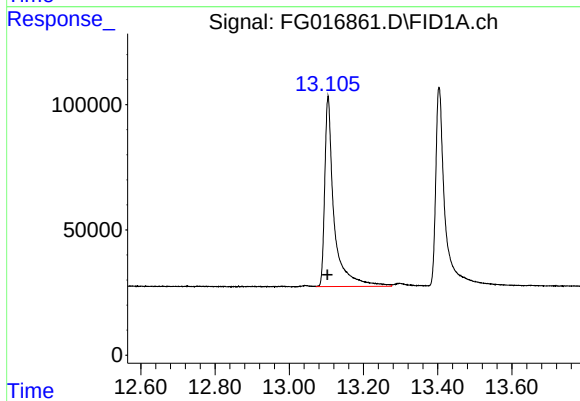
#10 Anthracene (C19.43)

R.T.: 11.350 min
Delta R.T.: 0.003 min
Response: 1543533
Conc: 11.03 ug/ml



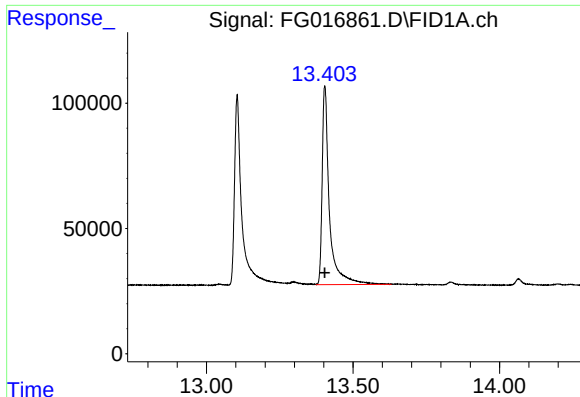
#11 ortho-Terphenyl (SURR)

R.T.: 12.038 min
Delta R.T.: 0.000 min
Response: 1427289
Conc: 9.86 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.105 min
Delta R.T.: 0.002 min
Response: 1334695
Conc: 9.76 ug/ml



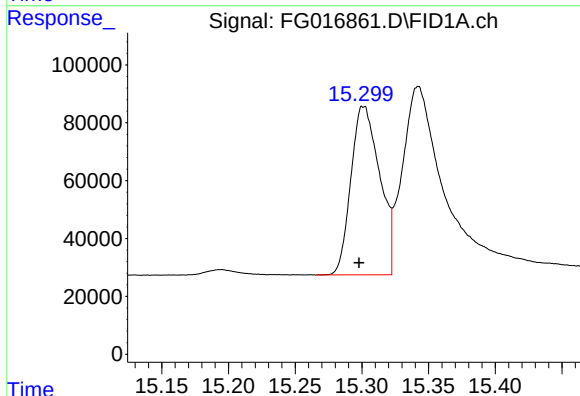
#13 Pyrene (C20.8)

R.T.: 13.404 min
Delta R.T.: 0.000 min
Response: 1377007
Conc: 9.77 ug/ml

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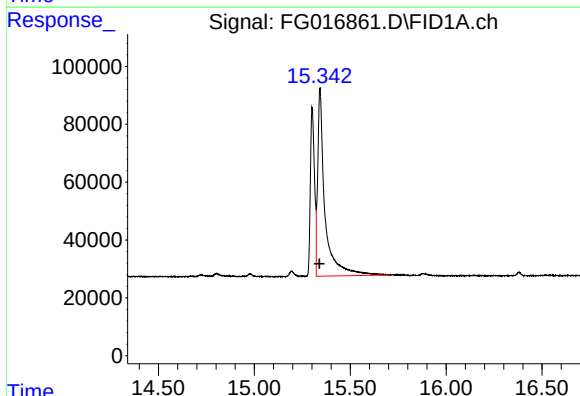
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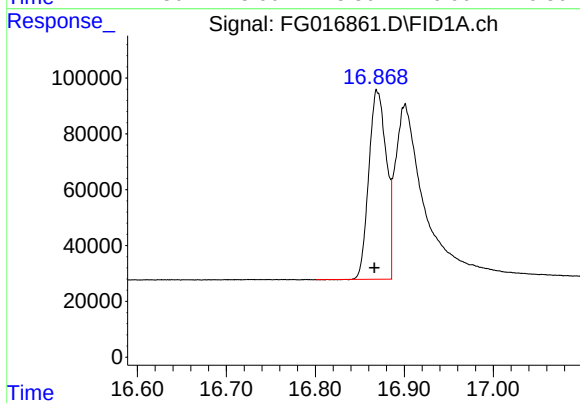
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.302 min
Delta R.T.: 0.004 min
Response: 873655
Conc: 8.19 ug/ml



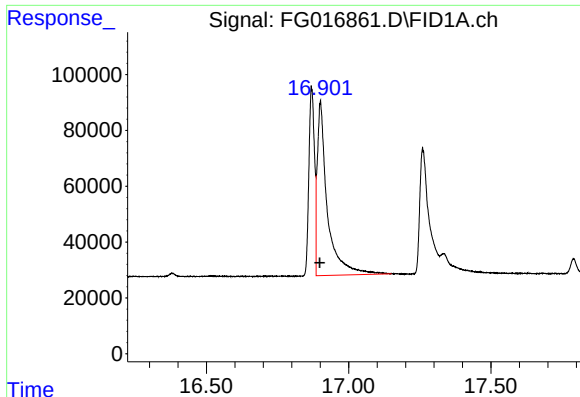
#15 Chrysene (C27.41)

R.T.: 15.342 min
Delta R.T.: 0.002 min
Response: 1730356
Conc: 10.88 ug/ml



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

R.T.: 16.870 min
Delta R.T.: 0.003 min
Response: 922122
Conc: 8.43 ug/ml



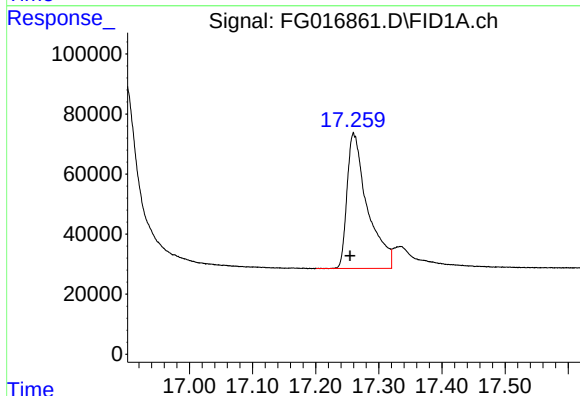
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.901 min
Delta R.T.: 0.003 min
Response: 1539828
Conc: 10.62 ug/ml

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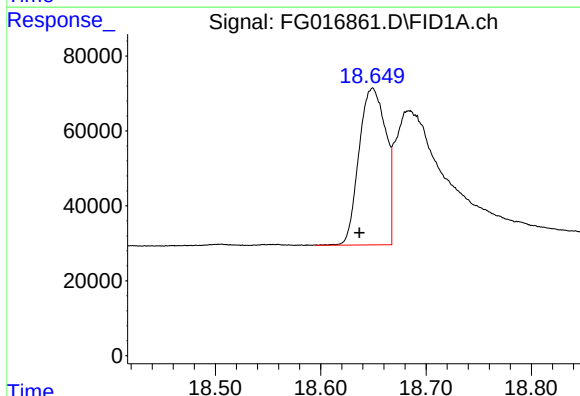
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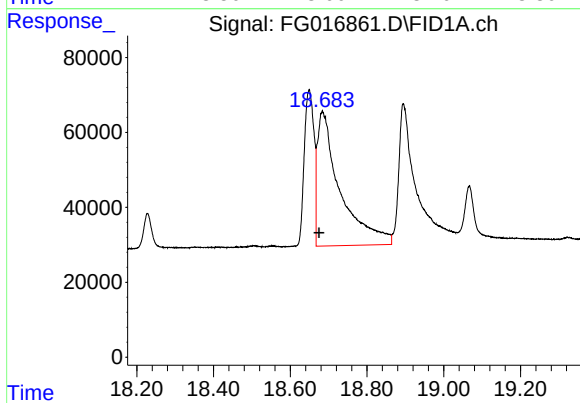
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.261 min
Delta R.T.: 0.006 min
Response: 1003686
Conc: 9.01 ug/ml



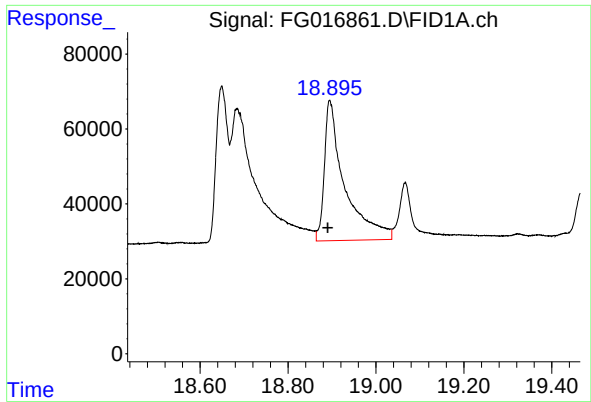
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.649 min
Delta R.T.: 0.012 min
Response: 738575
Conc: 9.65 ug/ml



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

R.T.: 18.684 min
Delta R.T.: 0.009 min
Response: 1481775
Conc: 10.07 ug/ml



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

R.T.: 18.895 min
Delta R.T.: 0.005 min
Response: 1201571
Conc: 10.05 ug/ml

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