

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AR\
 Data File : FG016438.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 14:28
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File: autoint1.e
 Quant Time: Aug 29 04:54:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 29 04:51:23 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...	8.114	10059140	94.215 ug/ml
Spiked Amount 50.000		Recovery =	188.43%
6) S 2-Fluorobiphenyl (SURR)	8.999	6910411	95.397 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	190.79%#
11) S ortho-Terphenyl (SURR)	12.084	11777283	93.538 ug/ml
Spiked Amount 50.000		Recovery =	187.08%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.697	11141641	93.725 ug/ml
2) T Naphthalene (C11.7)	6.381	11816055	94.524 ug/ml
3) T 2-Methylnaphthalene (...)	7.486	11908968	95.503 ug/ml
5) T Acenaphthylene (C15.06)	8.799	11741595	94.724 ug/ml
7) T Acenaphthene (C15.5)	9.102	11749045	92.384 ug/ml
8) T Flouorene (C16.55)	9.897	11557617	94.213 ug/ml
9) T Phenanthrene (C19.36)	11.316	11522062	94.866 ug/ml
10) T Anthracene (C19.43)	11.393	11163319	92.525 ug/ml
12) T Fluoranthene (C21.85)	13.153	11395101	94.049 ug/ml
13) T Pyrene (C20.8)	13.456	11265423	94.205 ug/ml
14) T Benzo[a]anthracene (C...	15.350	10737435	94.656 ug/ml
15) T Chrysene (C27.41)	15.398	10827224	91.858 ug/ml
16) T benzo[b]fluoranthene ...	16.924	11087039	96.023 ug/ml
17) T Bnezo[k]fluoranthene ...	16.964	10012584	89.049 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.311	10667206	92.392 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.696	10289132	99.399 ug/ml
20) T Dibenz[a,h]anthracene...	18.734	10115175	79.509 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.959	10746735	87.475 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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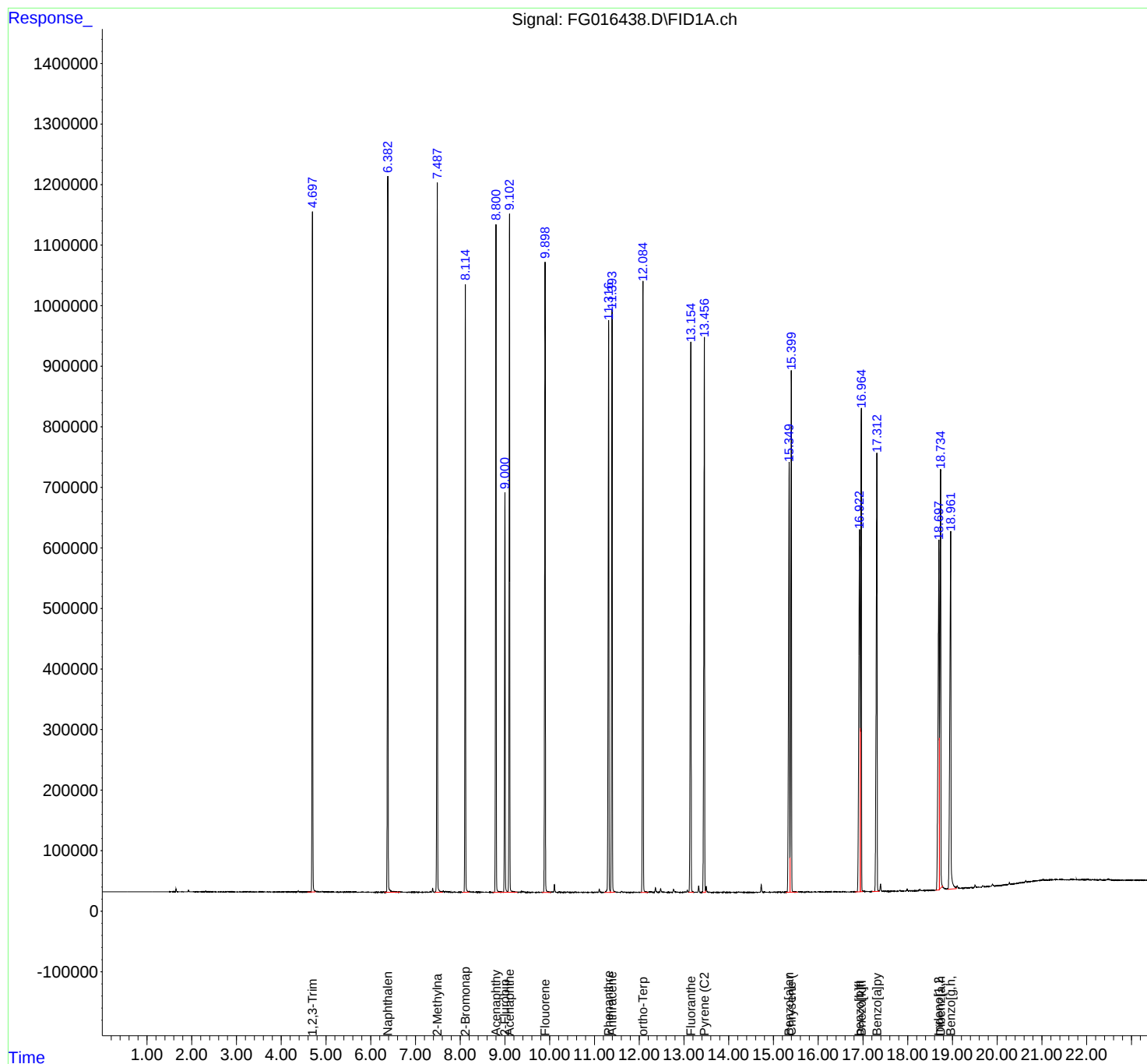
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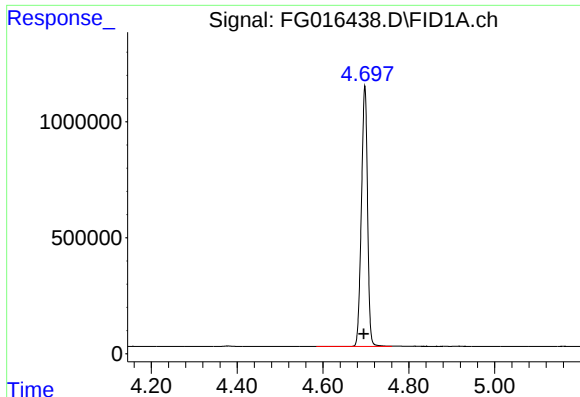
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Signal Info : 20M x 0.18mm x 0.18µm





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

R.T.: 4.697 min
Delta R.T.: 0.003 min
Response: 11141641
Conc: 93.72 ug/ml

Instrument :

FID_G

ClientSampleId :

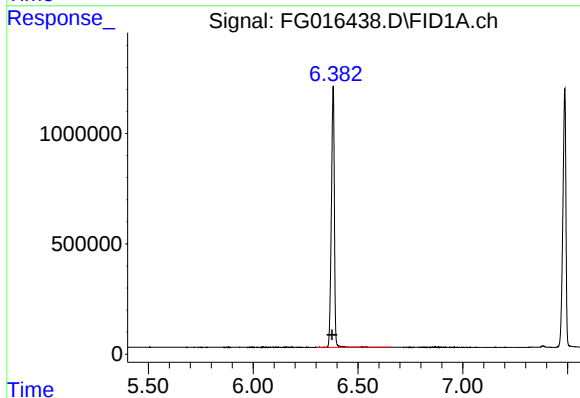
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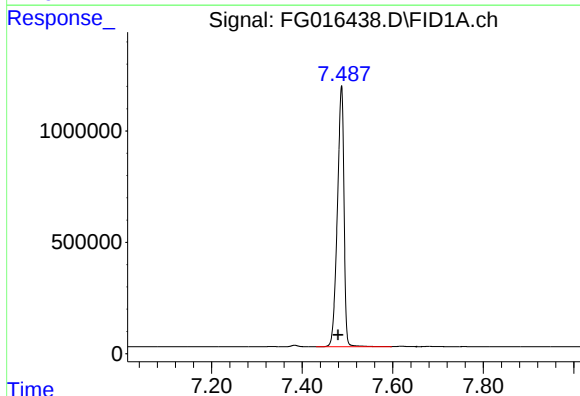
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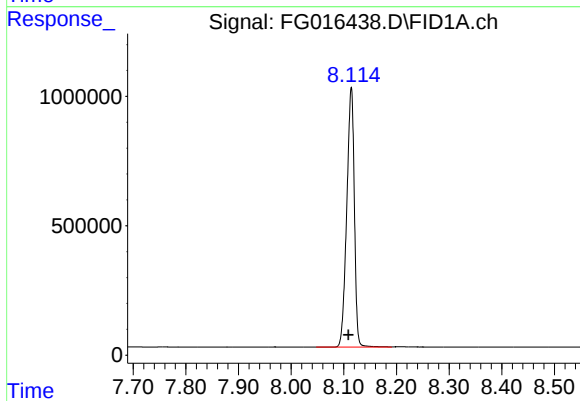
#2 Naphthalene (C11.7)

R.T.: 6.381 min
Delta R.T.: 0.005 min
Response: 11816055
Conc: 94.52 ug/ml



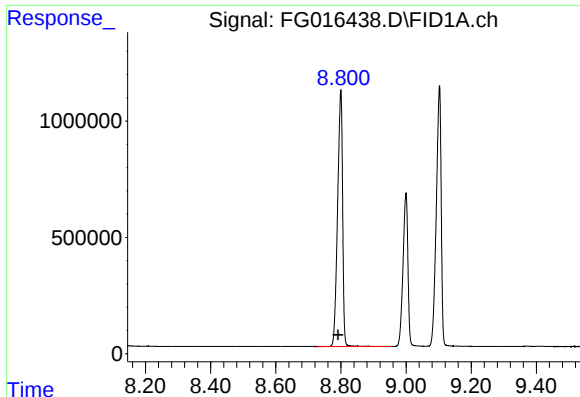
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.486 min
Delta R.T.: 0.007 min
Response: 11908968
Conc: 95.50 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.114 min
Delta R.T.: 0.005 min
Response: 10059140
Conc: 94.21 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.799 min
Delta R.T.: 0.007 min
Response: 11741595
Conc: 94.72 ug/ml

Instrument :

FID_G

ClientSampleId :

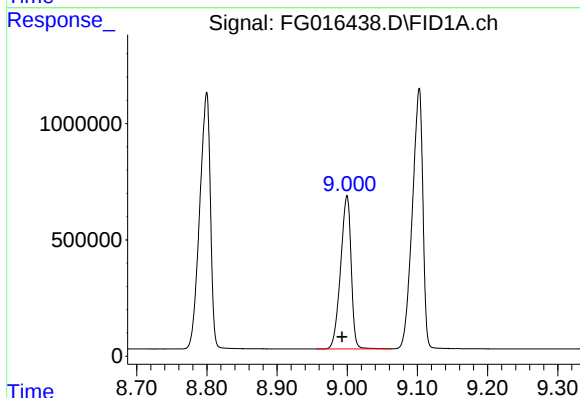
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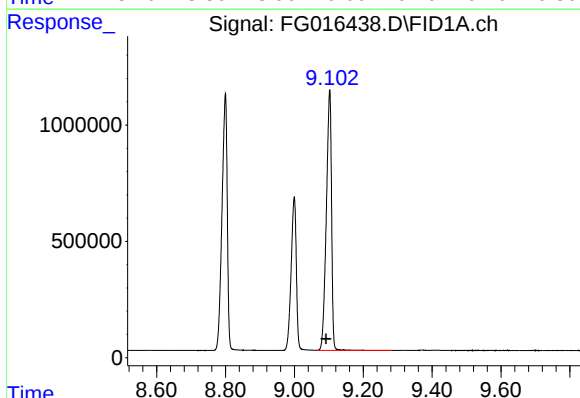
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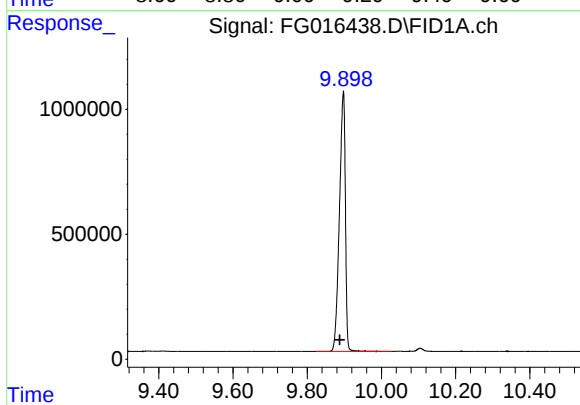
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.999 min
Delta R.T.: 0.006 min
Response: 6910411
Conc: 95.40 ug/ml



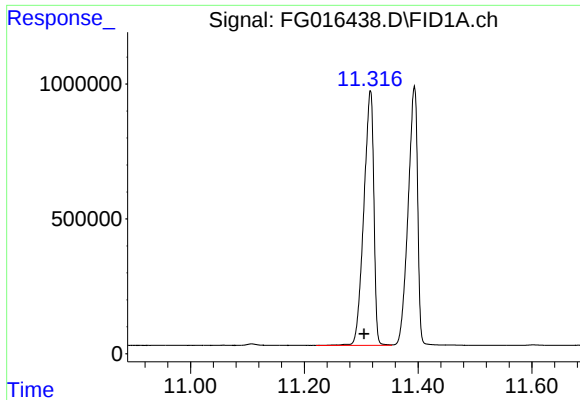
#7 Acenaphthene (C15.5)

R.T.: 9.102 min
Delta R.T.: 0.009 min
Response: 11749045
Conc: 92.38 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.897 min
Delta R.T.: 0.009 min
Response: 11557617
Conc: 94.21 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.316 min
Delta R.T.: 0.011 min
Response: 11522062
Conc: 94.87 ug/ml

Instrument :

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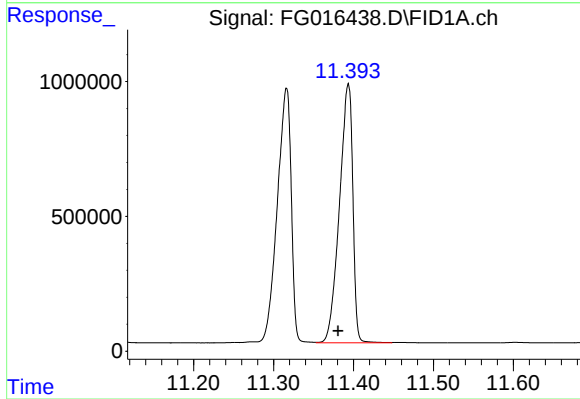
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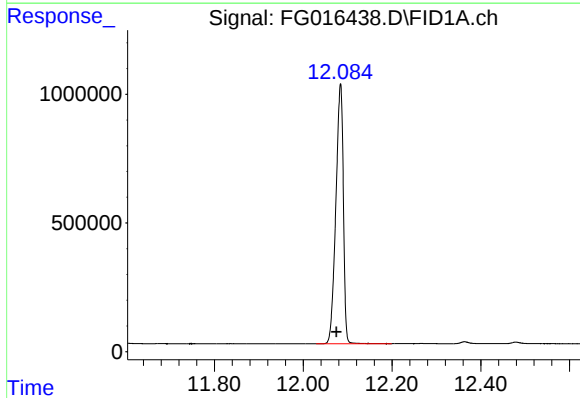
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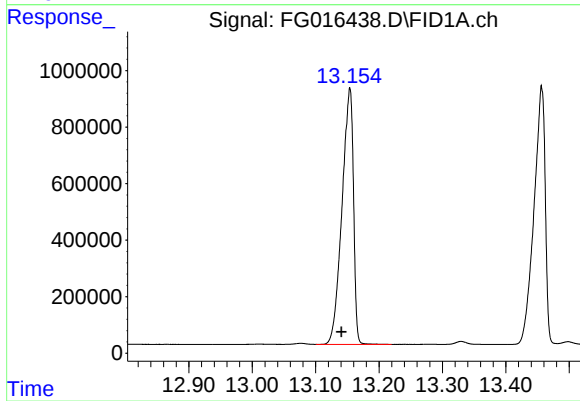
#10 Anthracene (C19.43)

R.T.: 11.393 min
Delta R.T.: 0.012 min
Response: 11163319
Conc: 92.53 ug/ml



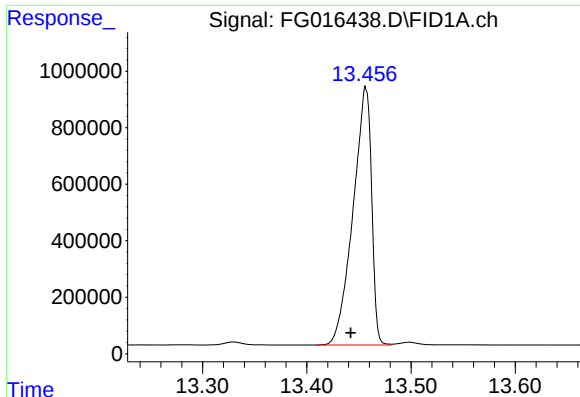
#11 ortho-Terphenyl (SURR)

R.T.: 12.084 min
Delta R.T.: 0.009 min
Response: 11777283
Conc: 93.54 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.153 min
Delta R.T.: 0.013 min
Response: 11395101
Conc: 94.05 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.456 min
Delta R.T.: 0.014 min
Response: 11265423
Conc: 94.21 ug/ml

Instrument :

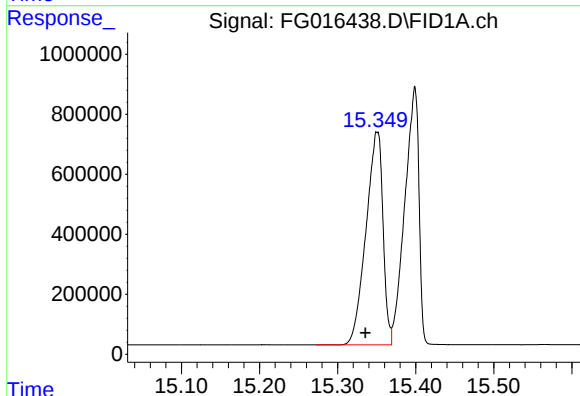
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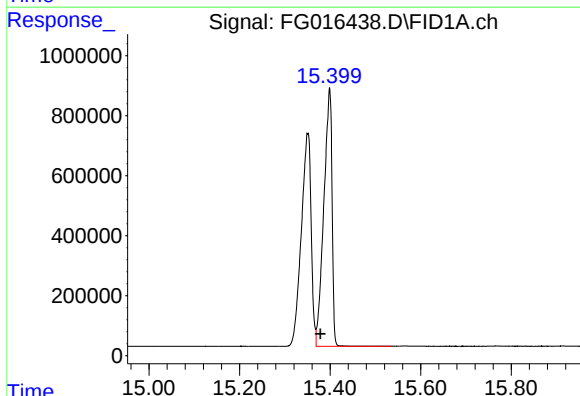
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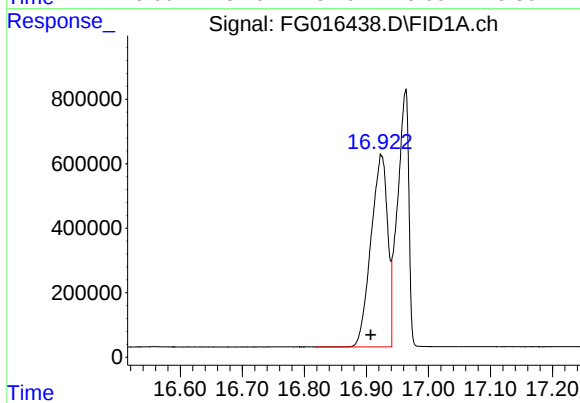
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.350 min
Delta R.T.: 0.015 min
Response: 10737435
Conc: 94.66 ug/ml



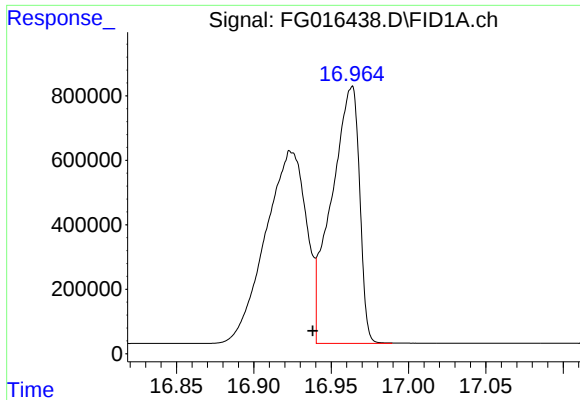
#15 Chrysene (C27.41)

R.T.: 15.398 min
Delta R.T.: 0.020 min
Response: 10827224
Conc: 91.86 ug/ml



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

R.T.: 16.924 min
Delta R.T.: 0.017 min
Response: 11087039
Conc: 96.02 ug/ml



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

R.T.: 16.964 min
Delta R.T.: 0.026 min
Response: 10012584
Conc: 89.05 ug/ml

Instrument :

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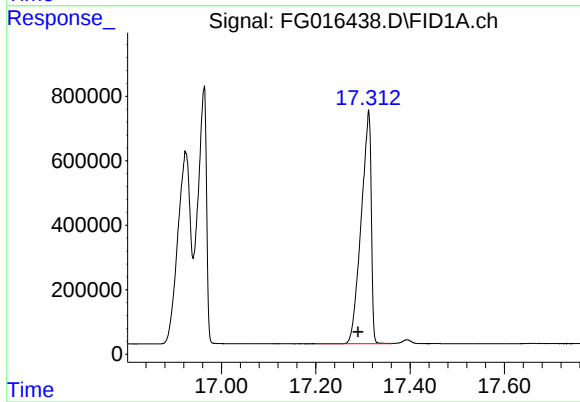
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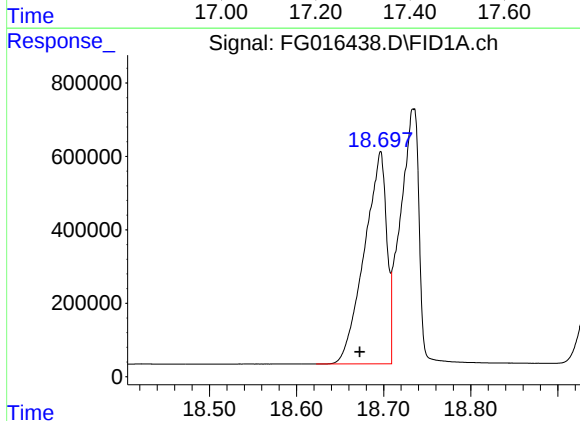
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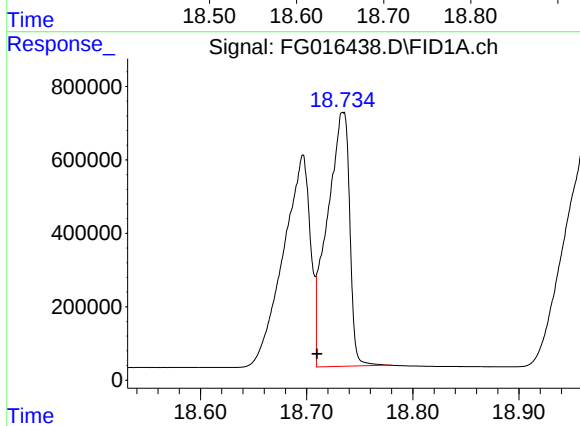
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.311 min
Delta R.T.: 0.021 min
Response: 10667206
Conc: 92.39 ug/ml



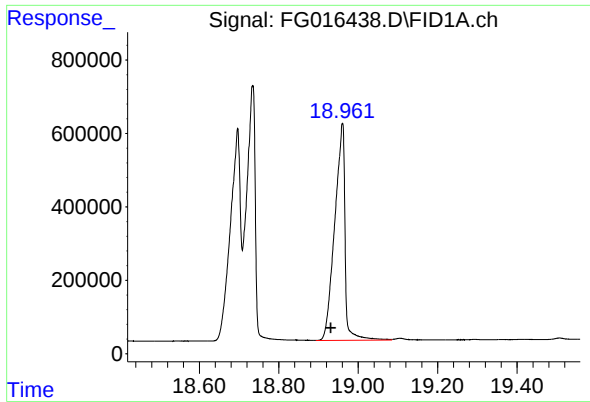
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.696 min
Delta R.T.: 0.023 min
Response: 10289132
Conc: 99.40 ug/ml



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

R.T.: 18.734 min
Delta R.T.: 0.024 min
Response: 10115175
Conc: 79.51 ug/ml m



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

R.T.: 18.959 min
Delta R.T.: 0.029 min
Response: 10746735
Conc: 87.47 ug/ml

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