

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG061325AR\
 Data File : FG016082.D
 Signal(s) : FID1A.ch
 Acq On : 13 Jun 2025 19:57
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/16/2025
 Supervised By :mohammad ahmed 06/17/2025

Integration File: autoint1.e
 Quant Time: Jun 16 05:20:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 061325.M
 Quant Title : GC Extractables
 QLast Update : Mon Jun 16 05:20:17 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...	8.134	10594449	96.034 ug/ml
Spiked Amount 50.000		Recovery =	192.07%
6) S 2-Fluorobiphenyl (SURR)	9.017	7320471	95.982 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	191.96%#
11) S ortho-Terphenyl (SURR)	12.101	12458465	95.436 ug/ml
Spiked Amount 50.000		Recovery =	190.87%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.721	11521758	96.216 ug/ml
2) T Naphthalene (C11.7)	6.402	12206801	96.346 ug/ml
3) T 2-Methylnaphthalene (...)	7.506	12411389	96.107 ug/ml
5) T Acenaphthylene (C15.06)	8.818	12268825	95.934 ug/ml
7) T Acenaphthene (C15.5)	9.121	12234394	95.949 ug/ml
8) T Fluorene (C16.55)	9.914	12214938	95.633 ug/ml
9) T Phenanthrene (C19.36)	11.331	12198685	95.336 ug/ml
10) T Anthracene (C19.43)	11.409	12170722	94.957 ug/ml
12) T Fluoranthene (C21.85)	13.166	12243502	95.015 ug/ml
13) T Pyrene (C20.8)	13.469	12131339	95.040 ug/ml
14) T Benzo[a]anthracene (C...	15.359	11953679	94.895 ug/ml
15) T Chrysene (C27.41)	15.408	12014722	94.589 ug/ml
16) T benzo[b]fluoranthene ...	16.927	12037205	95.724 ug/ml
17) T Bnezo[k]fluoranthene ...	16.967	11125549	93.875 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.315	11645351	94.906 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.694	11070778	98.797 ug/ml
20) T Dibenz[a,h]anthracene...	18.734	10879311	91.743 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.959	11151992	94.855 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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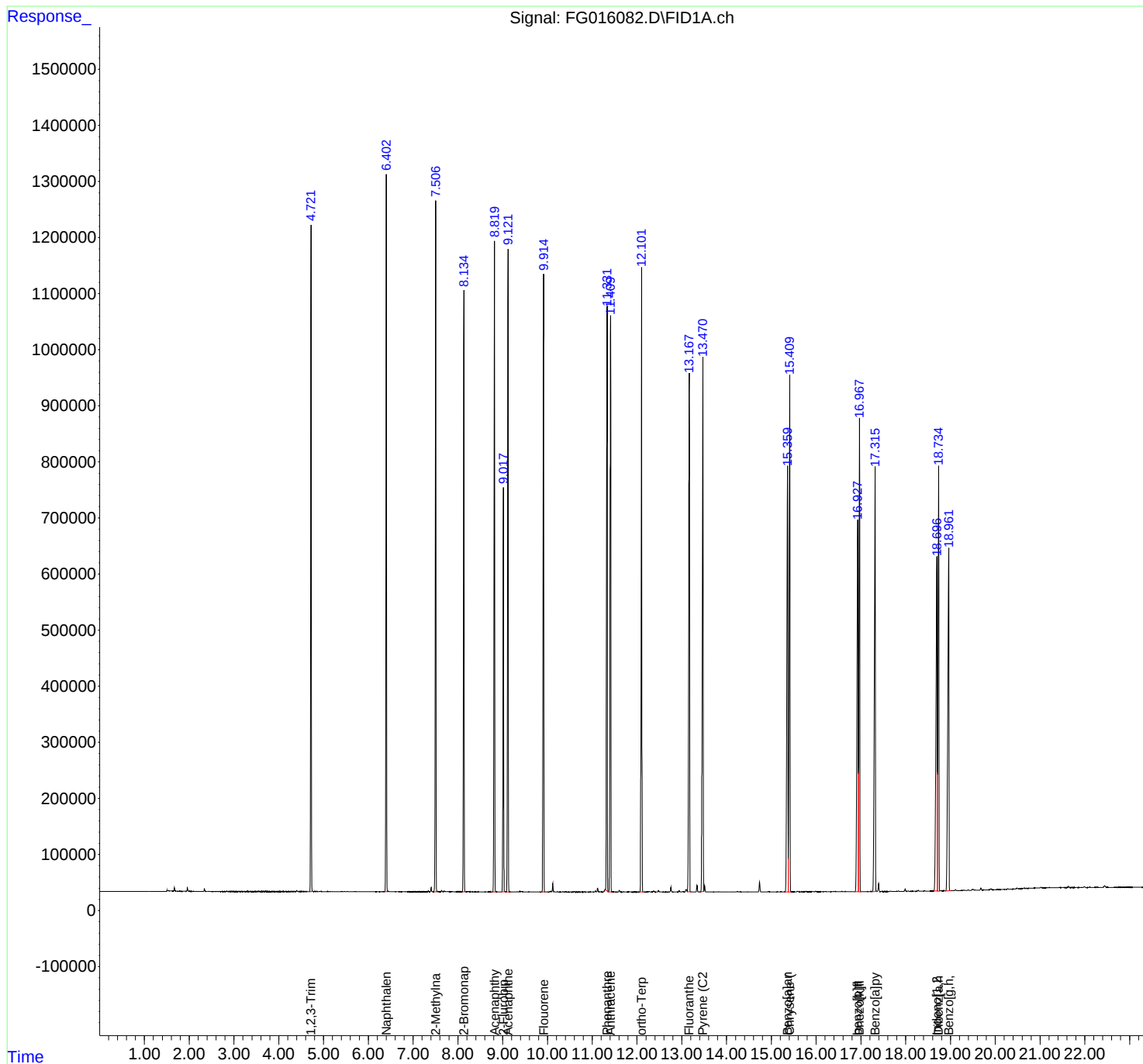
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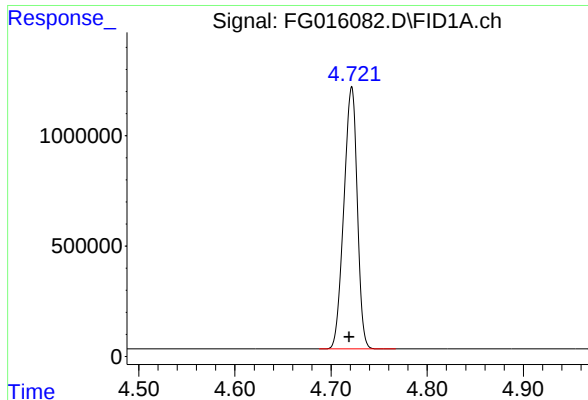
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.721 min
Delta R.T.: 0.002 min
Response: 11521758
Conc: 96.22 ug/ml

Instrument :

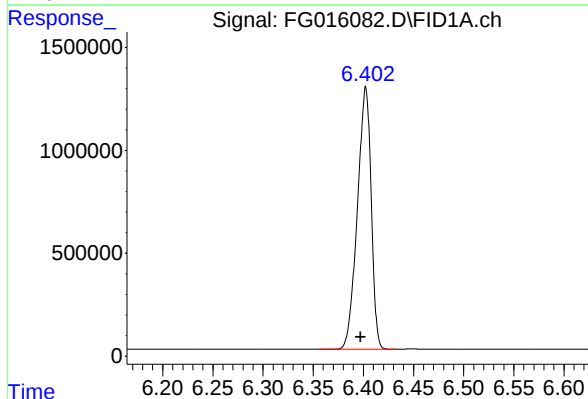
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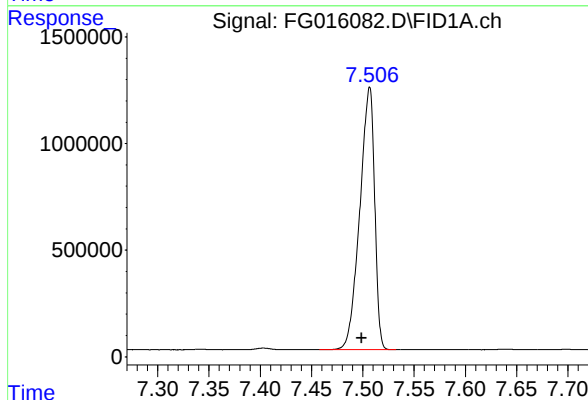
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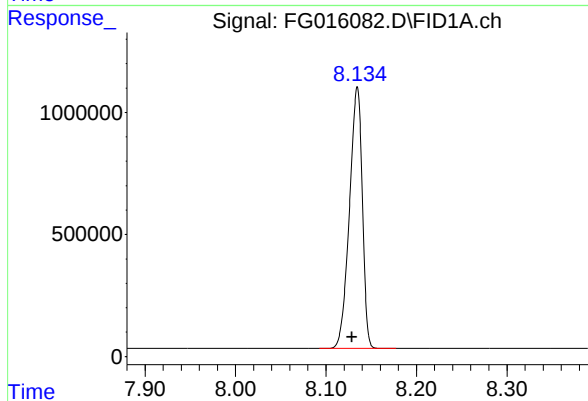
#2 Naphthalene (C11.7)

R.T.: 6.402 min
Delta R.T.: 0.005 min
Response: 12206801
Conc: 96.35 ug/ml



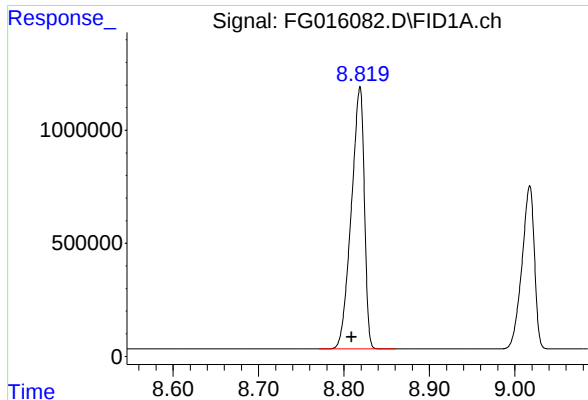
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.506 min
Delta R.T.: 0.007 min
Response: 12411389
Conc: 96.11 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.134 min
Delta R.T.: 0.006 min
Response: 10594449
Conc: 96.03 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.818 min
Delta R.T.: 0.009 min
Response: 12268825
Conc: 95.93 ug/ml

Instrument :

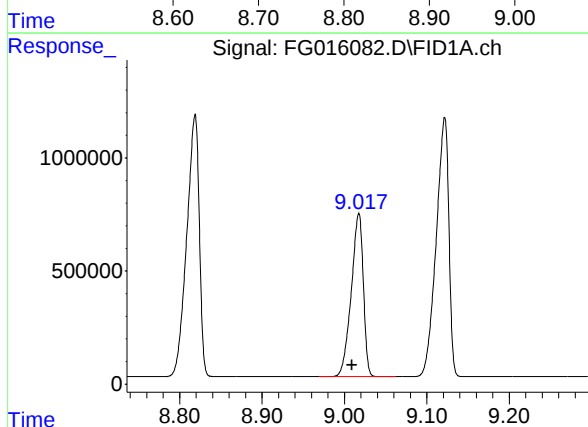
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ClientSampleId :

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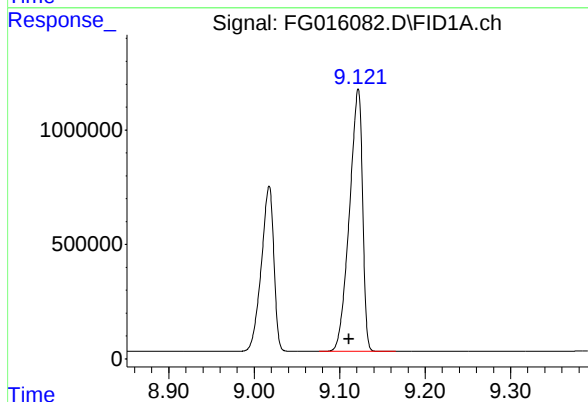
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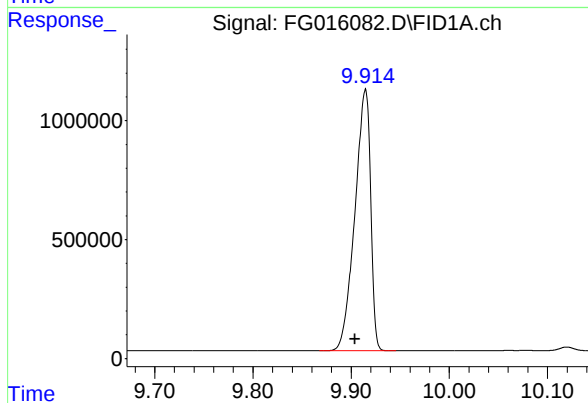
#6 2-Fluorobiphenyl (SURR)

R.T.: 9.017 min
Delta R.T.: 0.008 min
Response: 7320471
Conc: 95.98 ug/ml



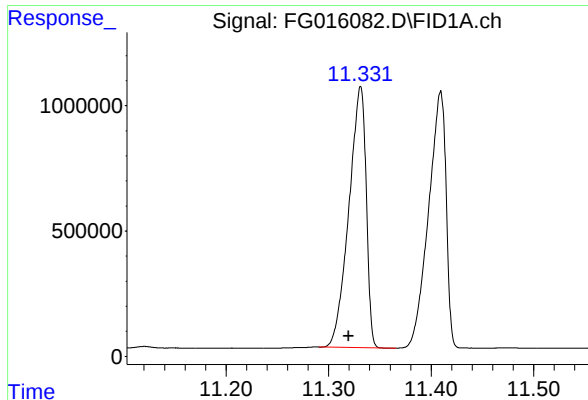
#7 Acenaphthene (C15.5)

R.T.: 9.121 min
Delta R.T.: 0.010 min
Response: 12234394
Conc: 95.95 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.914 min
Delta R.T.: 0.010 min
Response: 12214938
Conc: 95.63 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.331 min
Delta R.T.: 0.011 min
Response: 12198685
Conc: 95.34 ug/ml

Instrument :

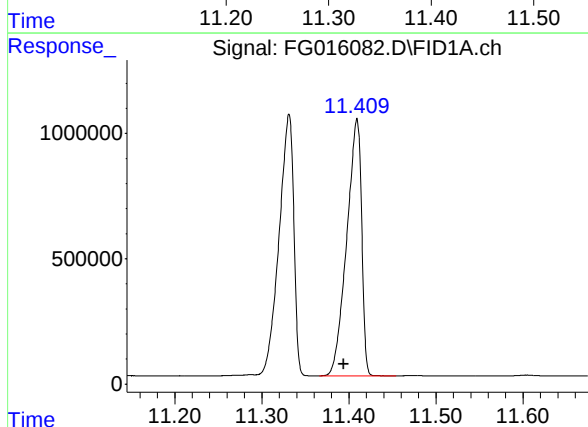
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ClientSampleId :

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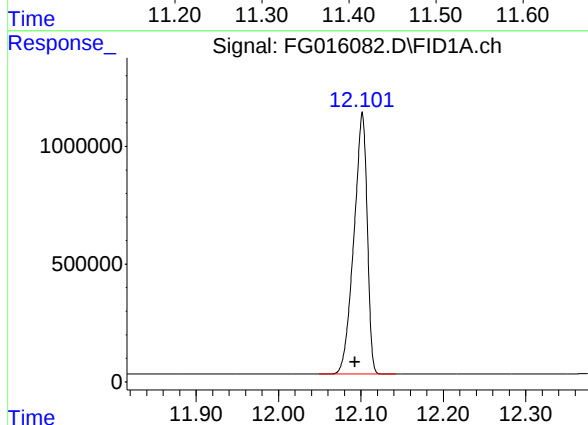
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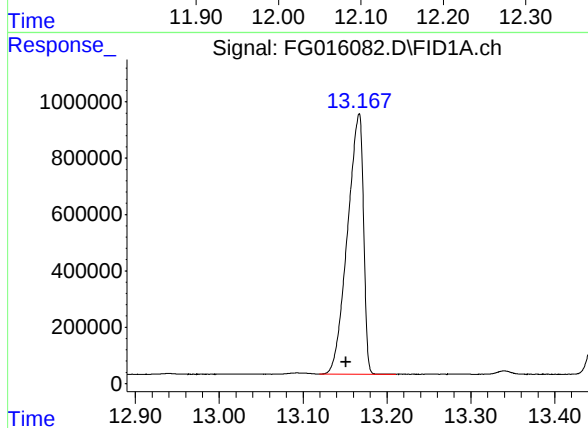
#10 Anthracene (C19.43)

R.T.: 11.409 min
Delta R.T.: 0.014 min
Response: 12170722
Conc: 94.96 ug/ml



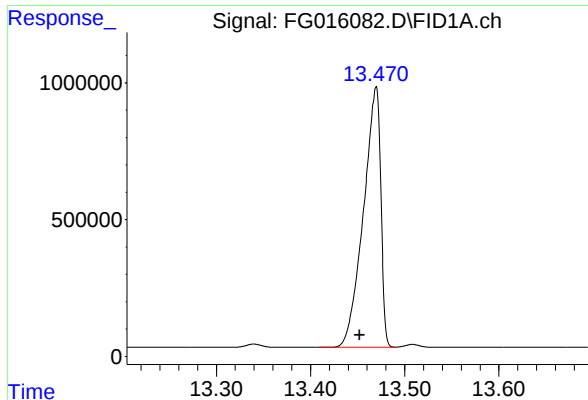
#11 ortho-Terphenyl (SURRE)

R.T.: 12.101 min
Delta R.T.: 0.009 min
Response: 12458465
Conc: 95.44 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.166 min
Delta R.T.: 0.015 min
Response: 12243502
Conc: 95.02 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.469 min
Delta R.T.: 0.016 min
Response: 12131339
Conc: 95.04 ug/ml

Instrument :

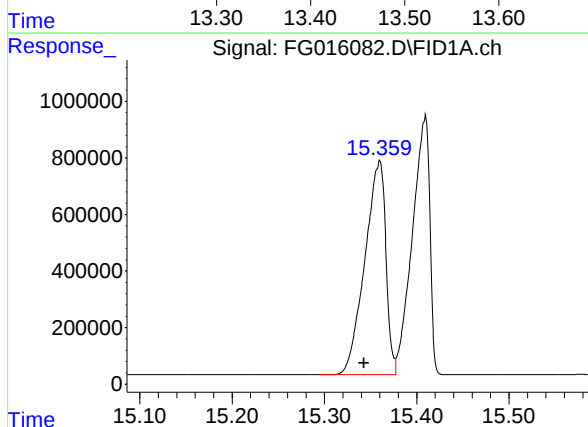
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ClientSampleId :

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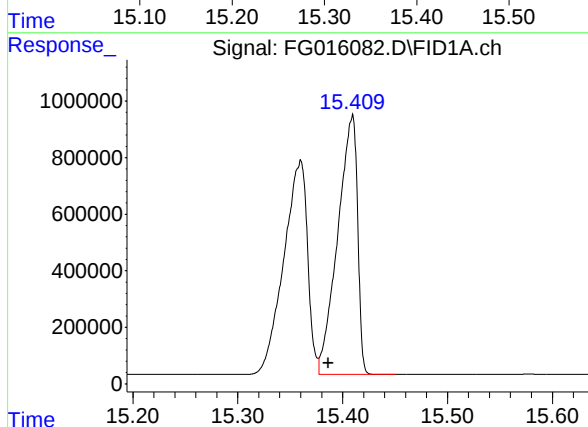
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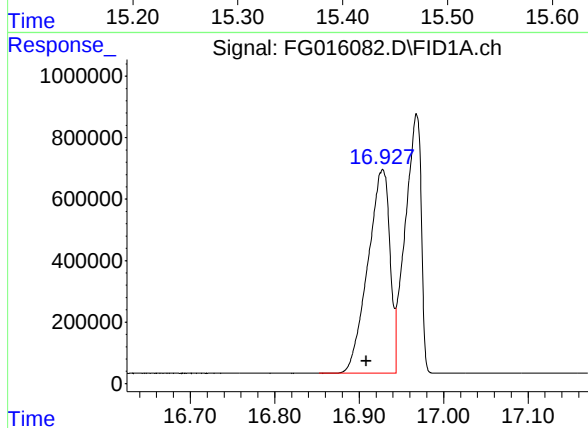
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.359 min
Delta R.T.: 0.016 min
Response: 11953679
Conc: 94.89 ug/ml



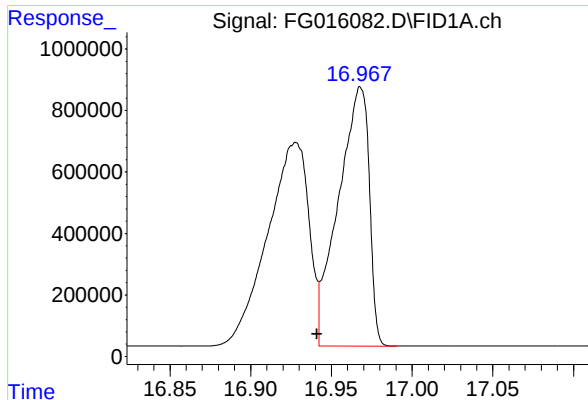
#15 Chrysene (C27.41)

R.T.: 15.408 min
Delta R.T.: 0.022 min
Response: 12014722
Conc: 94.59 ug/ml



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

R.T.: 16.927 min
Delta R.T.: 0.019 min
Response: 12037205
Conc: 95.72 ug/ml



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

R.T.: 16.967 min
Delta R.T.: 0.026 min
Response: 11125549
Conc: 93.87 ug/ml

Instrument :

FID_G

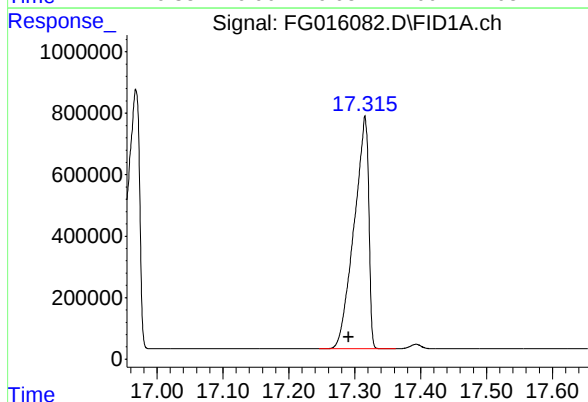
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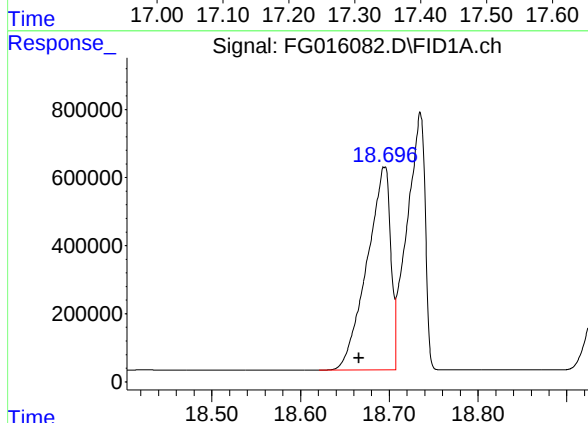
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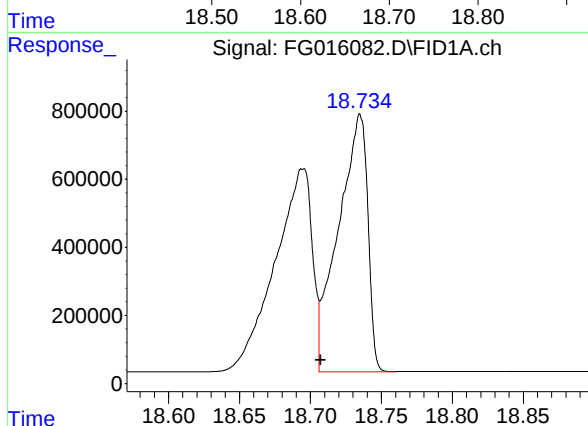
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.315 min
Delta R.T.: 0.024 min
Response: 11645351
Conc: 94.91 ug/ml



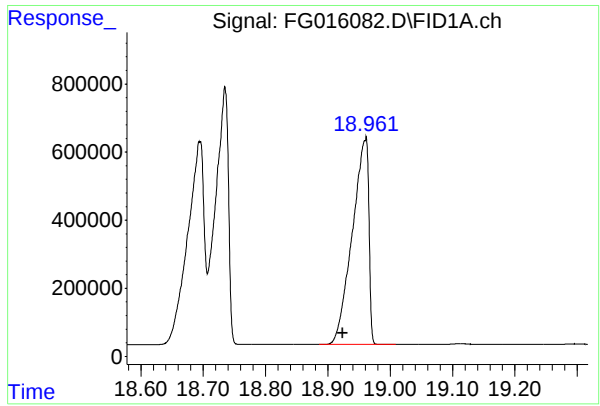
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.694 min
Delta R.T.: 0.028 min
Response: 11070778
Conc: 98.80 ug/ml



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

R.T.: 18.734 min
Delta R.T.: 0.027 min
Response: 10879311
Conc: 91.74 ug/ml m



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

R.T.: 18.959 min
Delta R.T.: 0.035 min
Response: 11151992
Conc: 94.85 ug/ml

Instrument :

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