

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG031725AR\
 Data File : FG015502.D
 Signal(s) : FID1A.ch
 Acq On : 17 Mar 2025 17:32
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/18/2025
 Supervised By :mohammad ahmed 03/19/2025

Integration File: autoint1.e
 Quant Time: Mar 18 05:05:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 031725.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:03:12 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...	7.974	12105537	98.595 ug/ml
Spiked Amount 50.000		Recovery =	197.19%
6) S 2-Fluorobiphenyl (SURR)	8.853	8370393	99.475 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	198.95%#
11) S ortho-Terphenyl (SURR)	11.928	14012330	96.152 ug/ml
Spiked Amount 50.000		Recovery =	192.30%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.562	12840032	96.919 ug/ml
2) T Naphthalene (C11.7)	6.242	13468371	99.522 ug/ml
3) T 2-Methylnaphthalene (...)	7.345	13313235	98.974 ug/ml
5) T Acenaphthylene (C15.06)	8.653	13783047	96.780 ug/ml
7) T Acenaphthene (C15.5)	8.955	13396190	97.506 ug/ml
8) T Flouorene (C16.55)	9.747	13800957	98.061 ug/ml
9) T Phenanthrene (C19.36)	11.159	13756074	97.537 ug/ml
10) T Anthracene (C19.43)	11.237	13373083	97.491 ug/ml
12) T Fluoranthene (C21.85)	12.989	13778619	96.567 ug/ml
13) T Pyrene (C20.8)	13.289	13599049	96.746 ug/ml
14) T Benzo[a]anthracene (C...	15.175	13331057	97.429 ug/ml
15) T Chrysene (C27.41)	15.223	13202695	94.828 ug/ml
16) T benzo[b]fluoranthene ...	16.742	12963312	97.262 ug/ml
17) T Bnezo[k]fluoranthene ...	16.782	12883302	95.182 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.124	12183444	97.050 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.502	11677700	106.908 ug/ml
20) T Dibenz[a,h]anthracene...	18.542	11521430	88.555 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.765	11624744	97.881 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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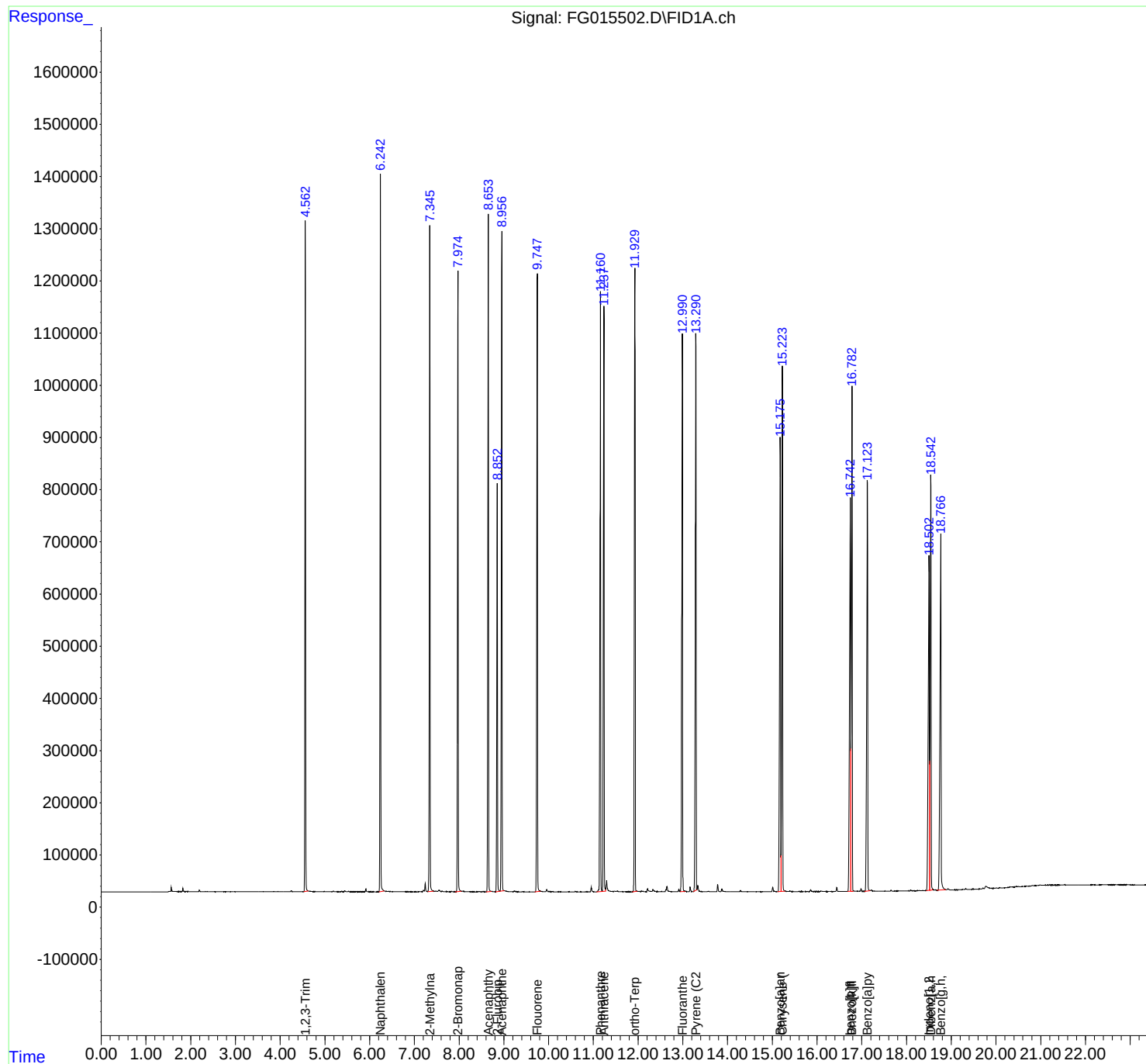
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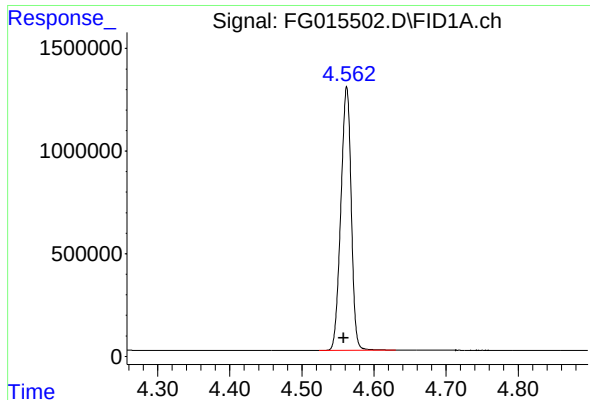
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.562 min
Delta R.T.: 0.004 min
Response: 12840032
Conc: 96.92 ug/ml

Instrument :

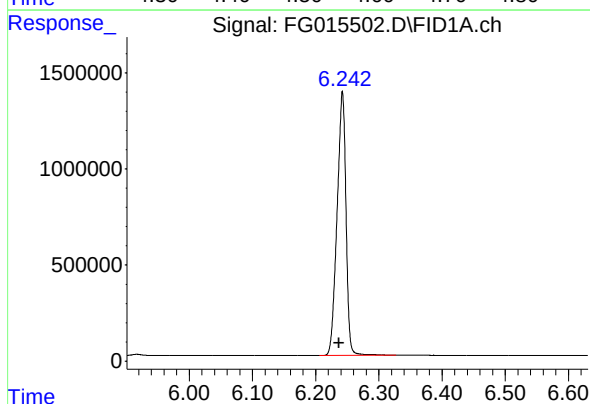
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ClientSampleId :

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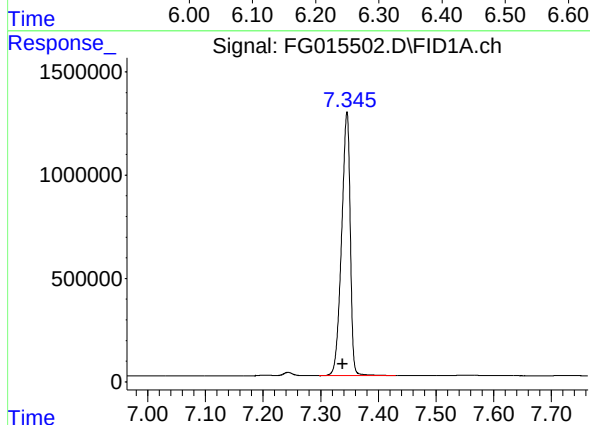
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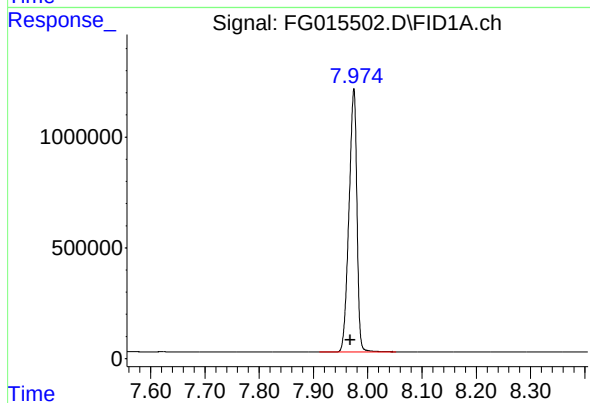
#2 Naphthalene (C11.7)

R.T.: 6.242 min
Delta R.T.: 0.005 min
Response: 13468371
Conc: 99.52 ug/ml



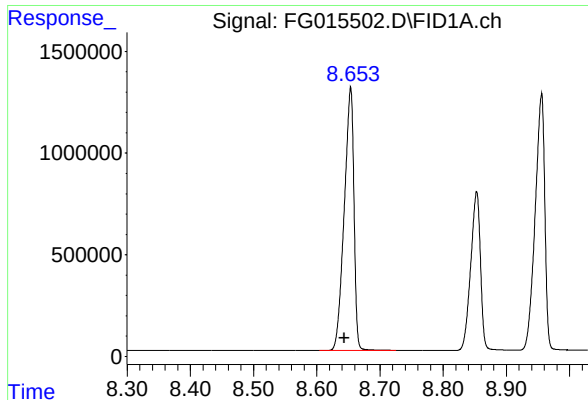
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.345 min
Delta R.T.: 0.007 min
Response: 13313235
Conc: 98.97 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.974 min
Delta R.T.: 0.006 min
Response: 12105537
Conc: 98.59 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.653 min
Delta R.T.: 0.009 min
Response: 13783047
Conc: 96.78 ug/ml

Instrument :

FID_G

ClientSampleId :

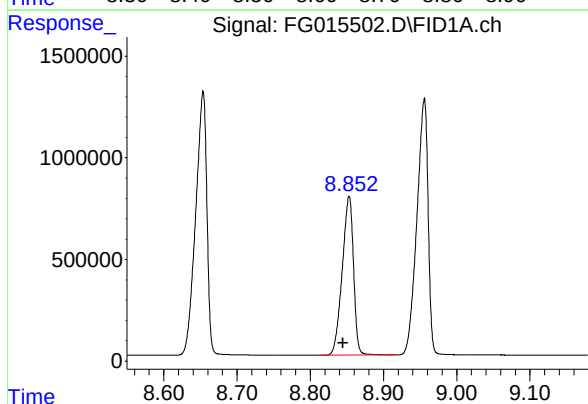
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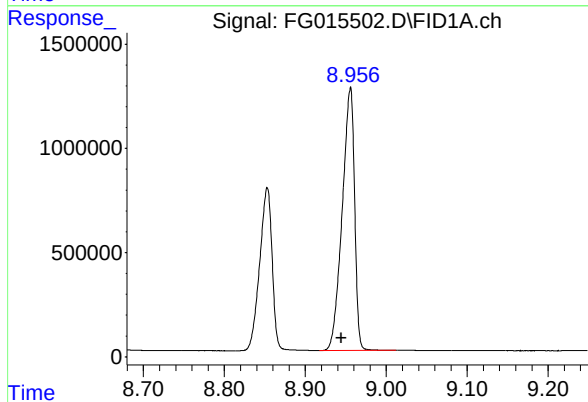
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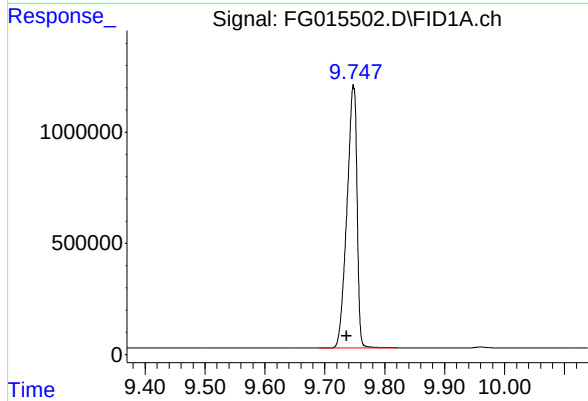
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.853 min
Delta R.T.: 0.008 min
Response: 8370393
Conc: 99.48 ug/ml



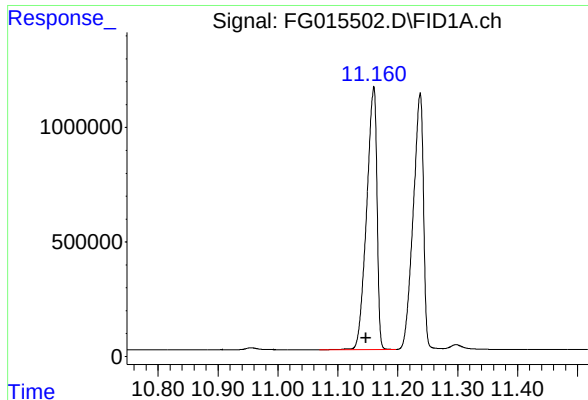
#7 Acenaphthene (C15.5)

R.T.: 8.955 min
Delta R.T.: 0.011 min
Response: 13396190
Conc: 97.51 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.747 min
Delta R.T.: 0.011 min
Response: 13800957
Conc: 98.06 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.159 min
Delta R.T.: 0.012 min
Response: 13756074
Conc: 97.54 ug/ml

Instrument :

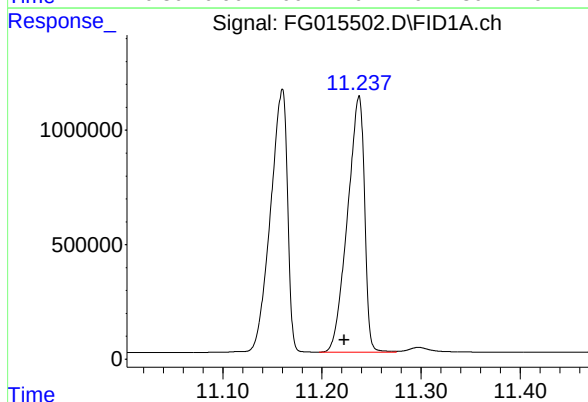
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ClientSampleId :

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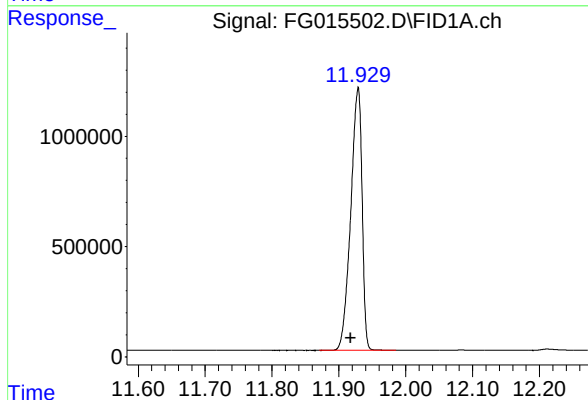
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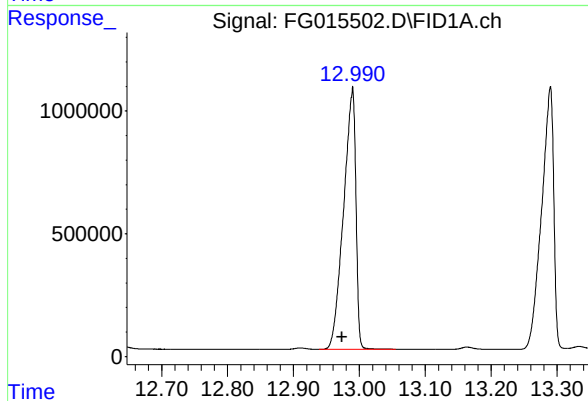
#10 Anthracene (C19.43)

R.T.: 11.237 min
Delta R.T.: 0.014 min
Response: 13373083
Conc: 97.49 ug/ml



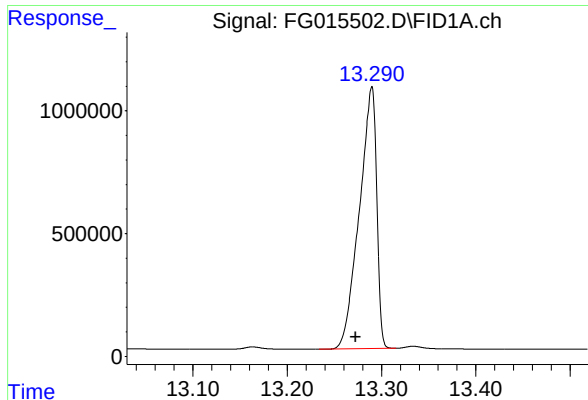
#11 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: 0.010 min
Response: 14012330
Conc: 96.15 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.015 min
Response: 13778619
Conc: 96.57 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.289 min
Delta R.T.: 0.016 min
Response: 13599049
Conc: 96.75 ug/ml

Instrument :

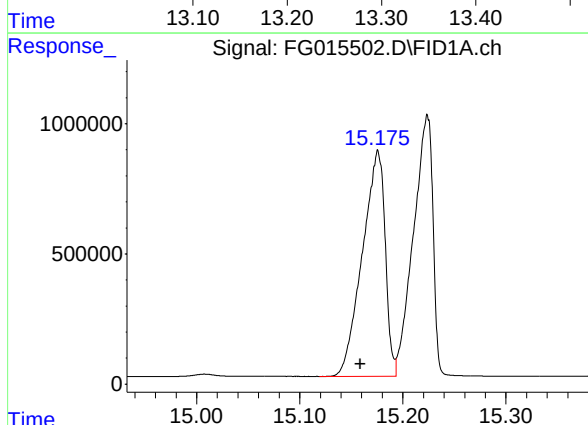
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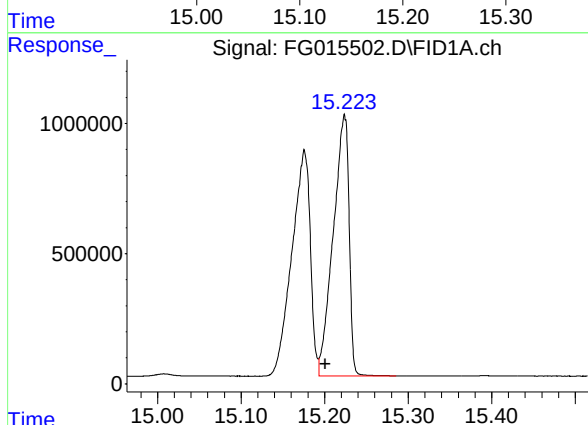
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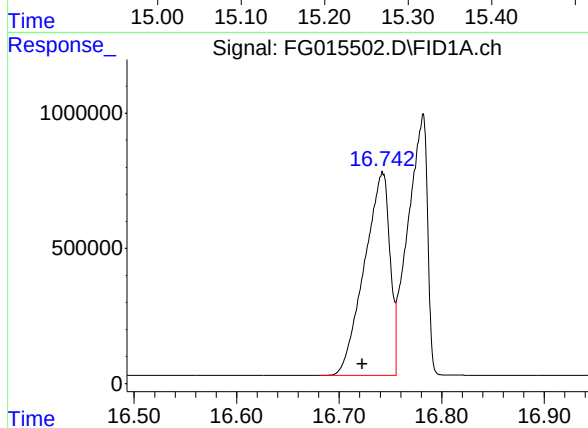
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.175 min
Delta R.T.: 0.017 min
Response: 13331057
Conc: 97.43 ug/ml



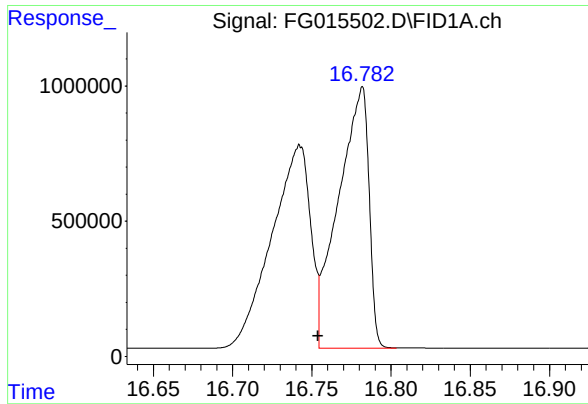
#15 Chrysene (C27.41)

R.T.: 15.223 min
Delta R.T.: 0.022 min
Response: 13202695
Conc: 94.83 ug/ml



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

R.T.: 16.742 min
Delta R.T.: 0.019 min
Response: 12963312
Conc: 97.26 ug/ml



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

R.T.: 16.782 min
Delta R.T.: 0.028 min
Response: 12883302
Conc: 95.18 ug/ml

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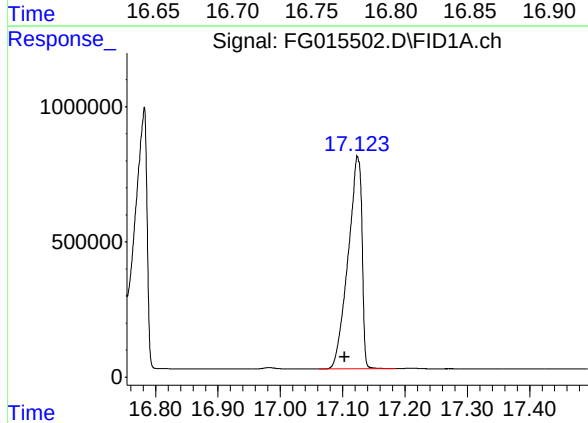
ClientSampleId :

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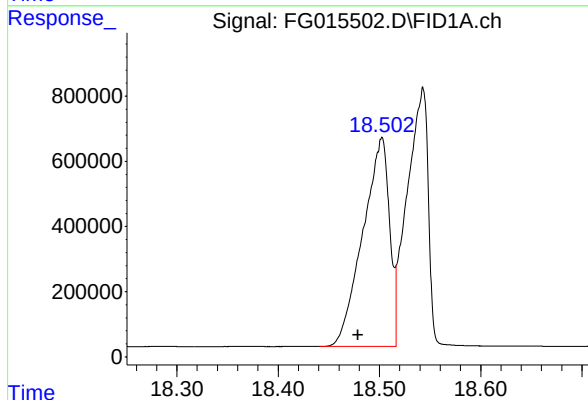
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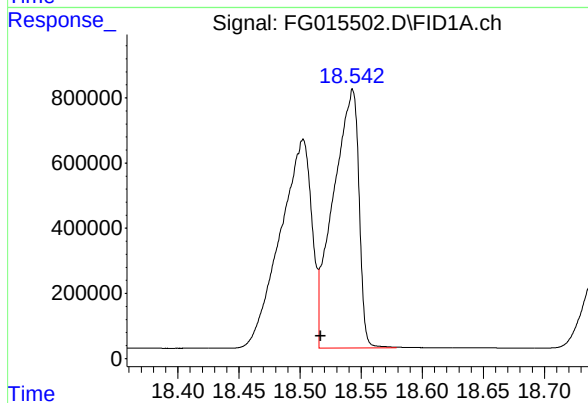
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.124 min
Delta R.T.: 0.021 min
Response: 12183444
Conc: 97.05 ug/ml



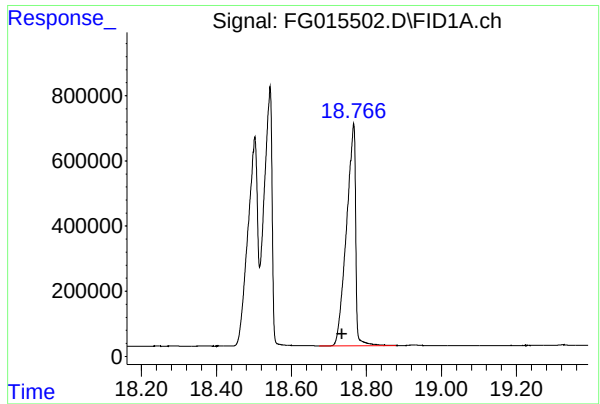
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.502 min
Delta R.T.: 0.023 min
Response: 11677700
Conc: 106.91 ug/ml



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

R.T.: 18.542 min
Delta R.T.: 0.026 min
Response: 11521430
Conc: 88.56 ug/ml m



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

R.T.: 18.765 min
Delta R.T.: 0.030 min
Response: 11624744
Conc: 97.88 ug/ml

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