

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF011425AR\
 Data File : FF015238.D
 Signal(s) : FID2B.ch
 Acq On : 14 Jan 2025 18:45
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Ankita Jodhani 01/15/2025

Integration File: autoint1.e
 Quant Time: Jan 15 07:01:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 15 06:59:49 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...	7.996	13473334	98.656 ug/ml
Spiked Amount 50.000		Recovery =	197.31%
6) S 2-Fluorobiphenyl (SURR)	8.870	9124066	104.358 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	208.72%#
11) S ortho-Terphenyl (SURR)	11.933	16061243	91.027 ug/ml
Spiked Amount 50.000		Recovery =	182.05%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.607	15267468	93.380 ug/ml
2) T Naphthalene (C11.7)	6.276	15698152	95.414 ug/ml
3) T 2-Methylnaphthalene (...)	7.371	15952296	97.360 ug/ml
5) T Acenaphthylene (C15.06)	8.672	15815959	96.337 ug/ml
7) T Acenaphthene (C15.5)	8.973	16032251	95.211 ug/ml
8) T Flouorene (C16.55)	9.761	15744142	97.031 ug/ml
9) T Phenanthrene (C19.36)	11.166	15446040	93.999 ug/ml
10) T Anthracene (C19.43)	11.242	14086098	92.718 ug/ml
12) T Fluoranthene (C21.85)	12.989	15513262	91.766 ug/ml
13) T Pyrene (C20.8)	13.288	15324471	91.843 ug/ml
14) T Benzo[a]anthracene (C...	15.167	14342524	93.776 ug/ml
15) T Chrysene (C27.41)	15.216	14584566	92.516 ug/ml
16) T benzo[b]fluoranthene ...	16.728	14386286	94.790 ug/ml
17) T Bnezo[k]fluoranthene ...	16.770	13588027	94.915 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.112	13682965	94.650 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.485	13013123	101.563 ug/ml
20) T Dibenz[a,h]anthracene...	18.526	12764611	84.027 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.748	13062459	94.968 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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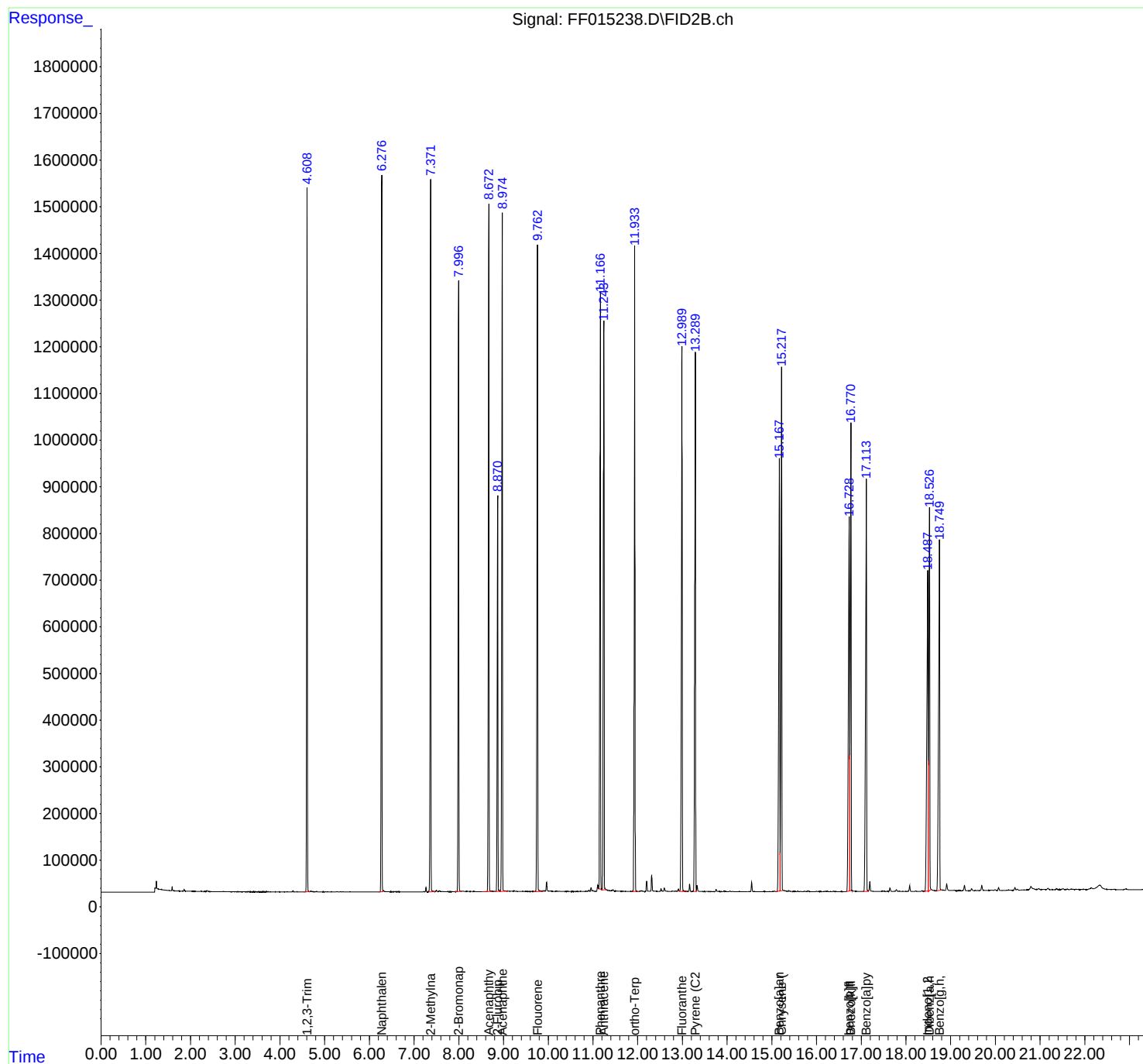
Instrument :
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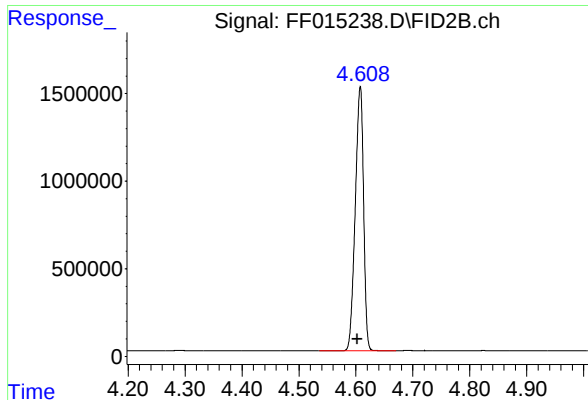
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.607 min
Delta R.T.: 0.005 min
Response: 15267468
Conc: 93.38 ug/ml

Instrument :

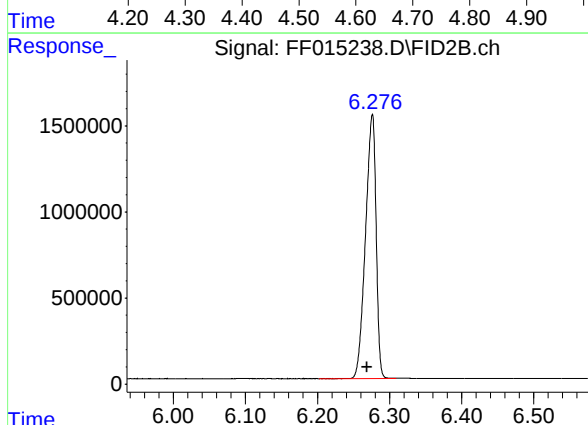
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ClientSampleId :

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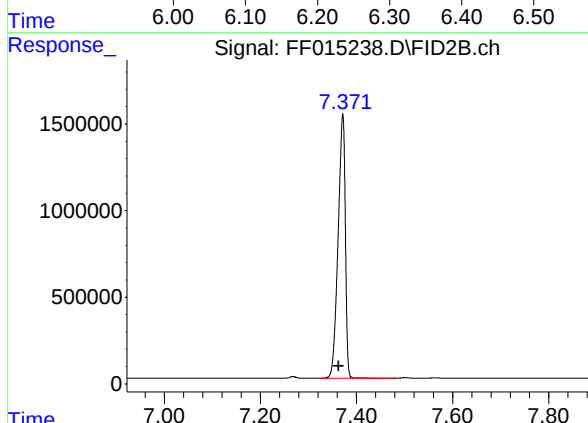
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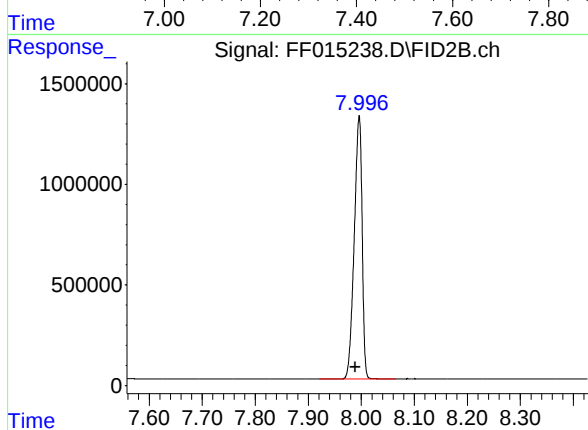
#2 Naphthalene (C11.7)

R.T.: 6.276 min
Delta R.T.: 0.007 min
Response: 15698152
Conc: 95.41 ug/ml



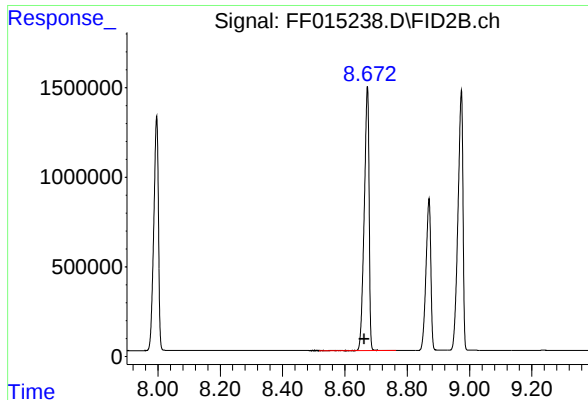
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.371 min
Delta R.T.: 0.008 min
Response: 15952296
Conc: 97.36 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.996 min
Delta R.T.: 0.007 min
Response: 13473334
Conc: 98.66 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.672 min
Delta R.T.: 0.010 min
Response: 15815959
Conc: 96.34 ug/ml

Instrument :

FID_F

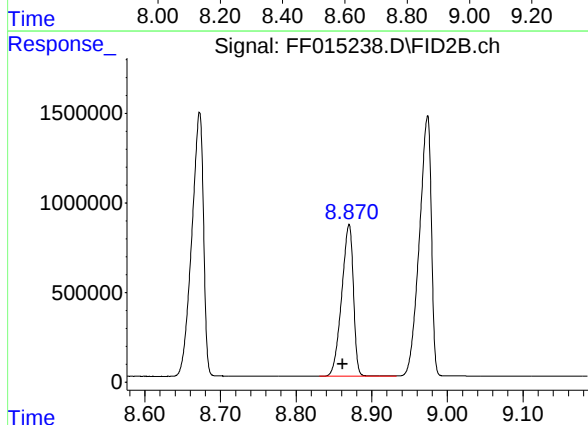
ClientSampleId :

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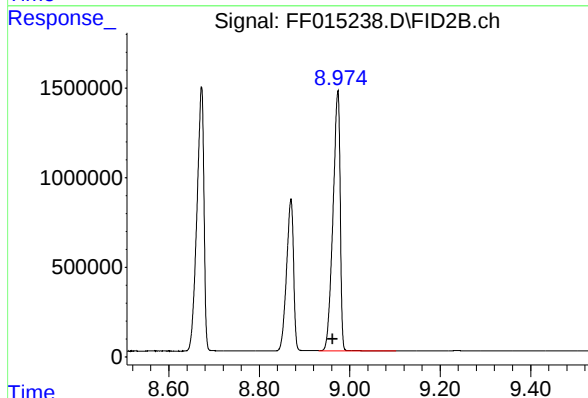
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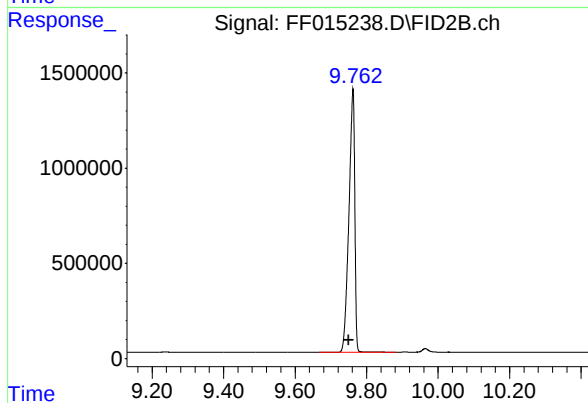
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.870 min
Delta R.T.: 0.008 min
Response: 9124066
Conc: 104.36 ug/ml



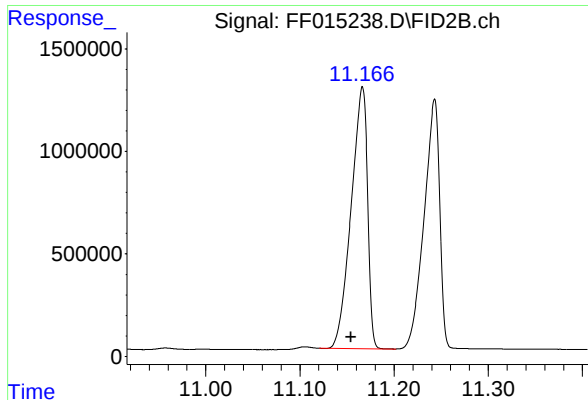
#7 Acenaphthene (C15.5)

R.T.: 8.973 min
Delta R.T.: 0.011 min
Response: 16032251
Conc: 95.21 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.761 min
Delta R.T.: 0.012 min
Response: 15744142
Conc: 97.03 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.166 min
Delta R.T.: 0.011 min
Response: 15446040
Conc: 94.00 ug/ml

Instrument :

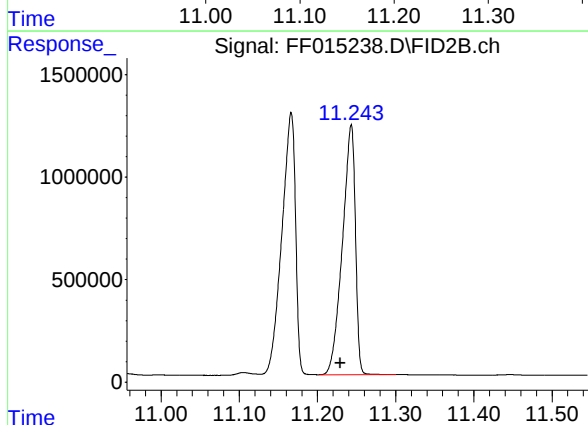
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ClientSampleId :

100 PPM AROMATIC HC STD1

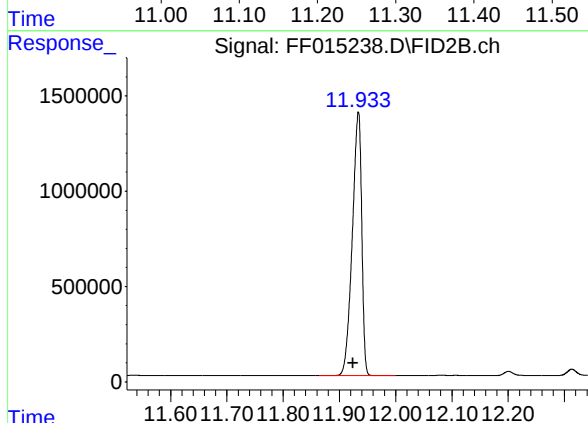
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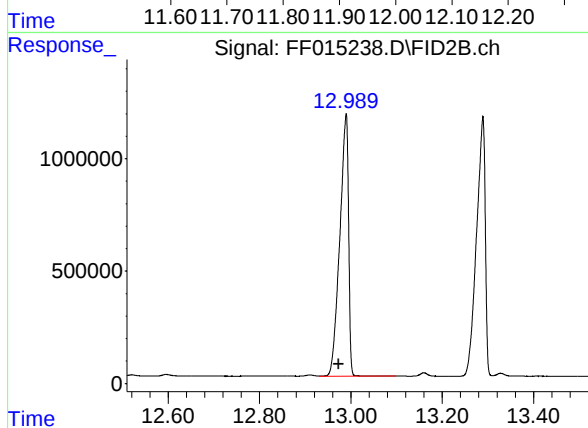
#10 Anthracene (C19.43)

R.T.: 11.242 min
Delta R.T.: 0.013 min
Response: 14086098
Conc: 92.72 ug/ml



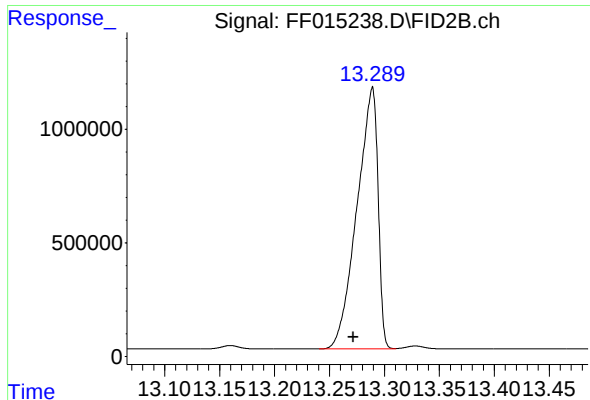
#11 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: 0.009 min
Response: 16061243
Conc: 91.03 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.989 min
Delta R.T.: 0.015 min
Response: 15513262
Conc: 91.77 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.288 min
Delta R.T.: 0.017 min
Response: 15324471
Conc: 91.84 ug/ml

Instrument :

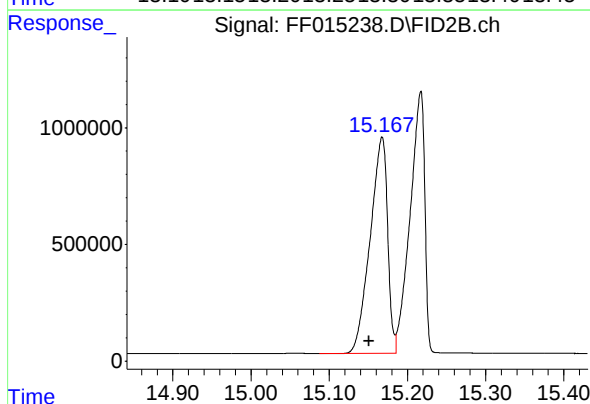
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ClientSampleId :

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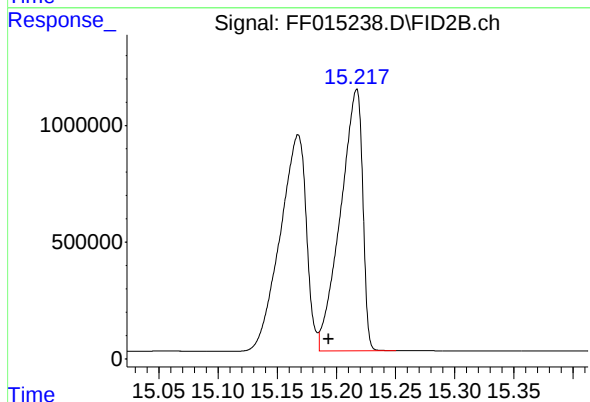
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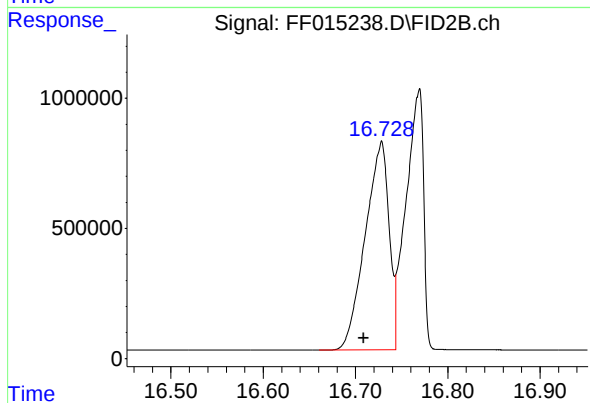
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.167 min
Delta R.T.: 0.016 min
Response: 14342524
Conc: 93.78 ug/ml



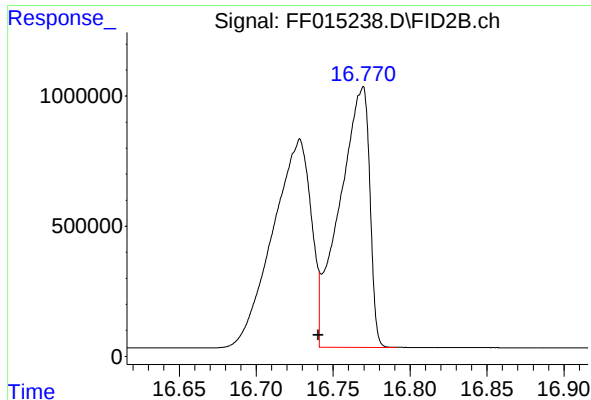
#15 Chrysene (C27.41)

R.T.: 15.216 min
Delta R.T.: 0.023 min
Response: 14584566
Conc: 92.52 ug/ml



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

R.T.: 16.728 min
Delta R.T.: 0.019 min
Response: 14386286
Conc: 94.79 ug/ml



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

R.T.: 16.770 min
Delta R.T.: 0.029 min
Response: 13588027
Conc: 94.91 ug/ml

Instrument :

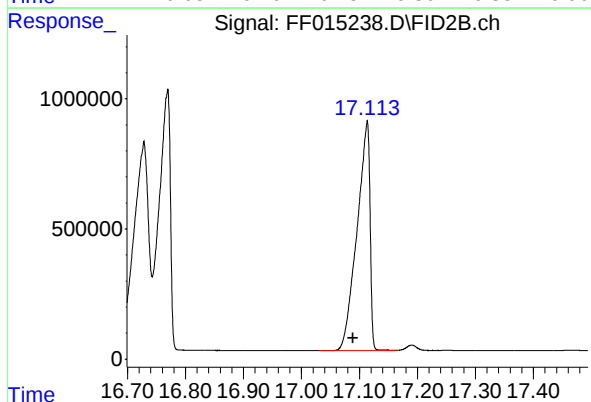
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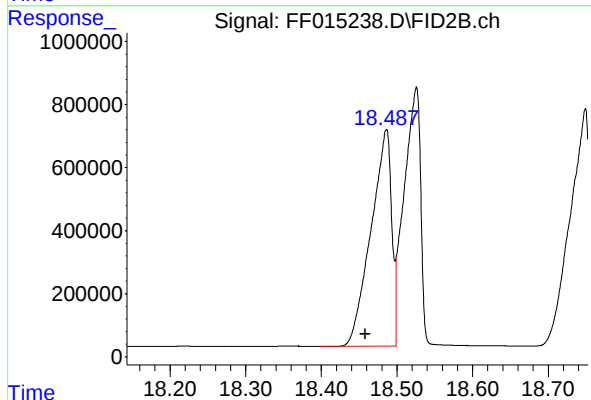
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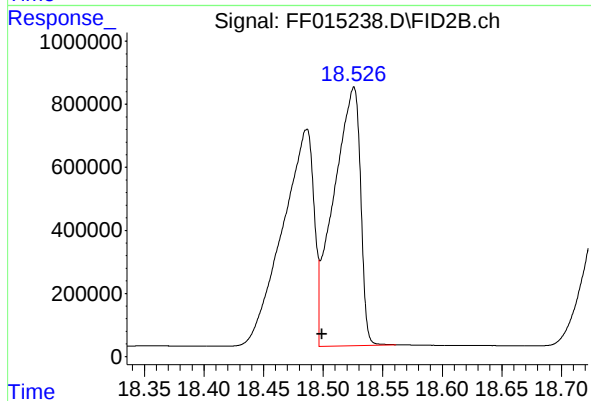
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.112 min
Delta R.T.: 0.023 min
Response: 13682965
Conc: 94.65 ug/ml



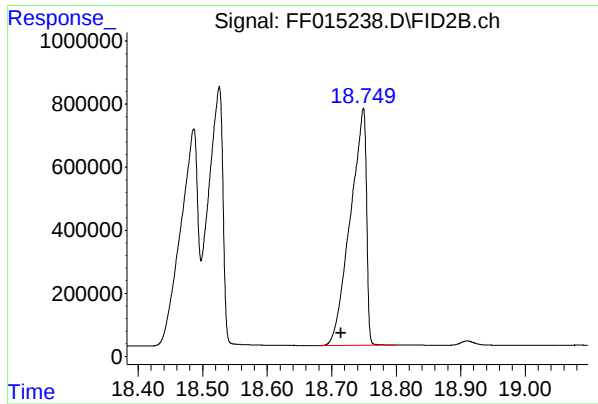
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.485 min
Delta R.T.: 0.027 min
Response: 13013123
Conc: 101.56 ug/ml



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

R.T.: 18.526 min
Delta R.T.: 0.027 min
Response: 12764611
Conc: 84.03 ug/ml m



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

R.T.: 18.748 min
Delta R.T.: 0.033 min
Response: 13062459
Conc: 94.97 ug/ml

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