

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101722AL\
 Data File : FE038191.D
 Signal(s) : FID1B.ch
 Acq On : 17 Oct 2022 10:35
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2022
 Supervised By :Ankita Jodhani 10/17/2022

Integration File: autoint1.e
 Quant Time: Oct 17 13:08:38 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092822.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 28 06:23:29 2022
 Response via : Initial Calibration
 Integrator: ChemStation

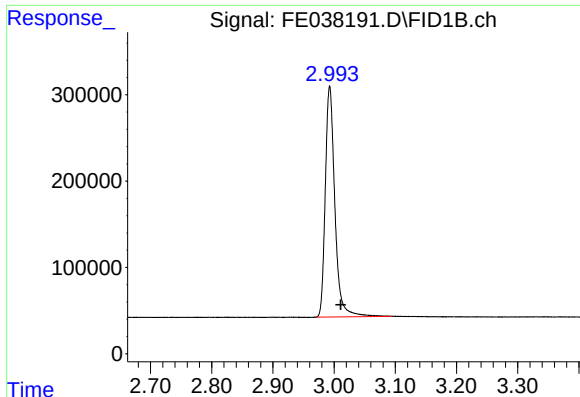
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.602	3185625	18.418 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
12) S 1-chlorooctadecane (S...	13.024	2424730	17.939 ug/ml
Spiked Amount 50.000		Recovery =	35.88%
Target Compounds			
1) T n-Nonane (C9)	2.993	2905755	19.729 ug/ml
2) T n-Decane (C10)	4.251	3066065	20.738 ug/ml
3) T A~Naphthalene (C11.7)	5.972	2879483	21.027 ug/ml
4) T n-Dodecane (C12)	6.424	3151202	20.680 ug/ml
5) T A~2-methylnaphthalene...	7.066	2873249	21.619 ug/ml
6) T n-Tetradecane (C14)	8.244	3147967	20.568 ug/ml
7) T n-Hexadecane (C16)	9.843	3152083	20.180 ug/ml
8) T n-Octadecane (C18)	11.278	3131739	19.525 ug/ml
10) T n-Eicosane (C20)	12.581	3056695	18.745 ug/ml
11) T n-Heneicosane (C21)	13.188	2995758	18.182 ug/ml
13) T n-Docosane (C22)	13.771	3030685	18.411 ug/ml
14) T n-Tetracosane (C24)	14.869	2942597	17.942 ug/ml
15) T n-Hexacosane (C26)	15.885	2876617	17.641 ug/ml
16) T n-Octacosane (C28)	16.830	2915633	18.200 ug/ml
17) T n-Tricontane (C30)	17.714	3092157	19.323 ug/ml
18) T n-Dotriacontane (C32)	18.543	3139656	19.938 ug/ml
19) T n-Tetratriacontane (C34)	19.323	2919022	19.702 ug/ml
20) T n-Hexatriacontane (C36)	20.059	2847457	19.751 ug/ml
21) T n-Octatriacontane (C38)	20.757	2888227	21.284 ug/ml
22) T n-Tetracontane (C40)	21.526	2971819	23.346 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



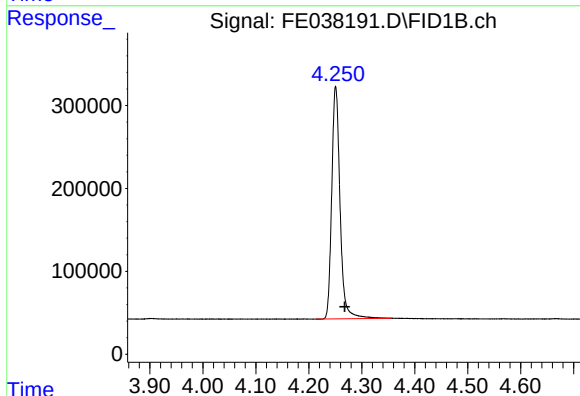
#1 n-Nonane (C9)

R.T.: 2.993 min
Delta R.T.: -0.018 min
Response: 2905755
Conc: 19.73 ug/ml

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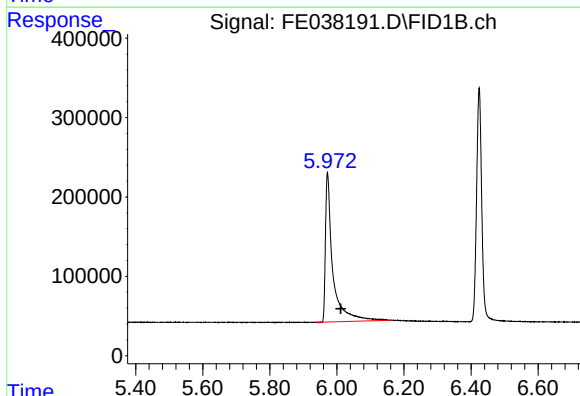
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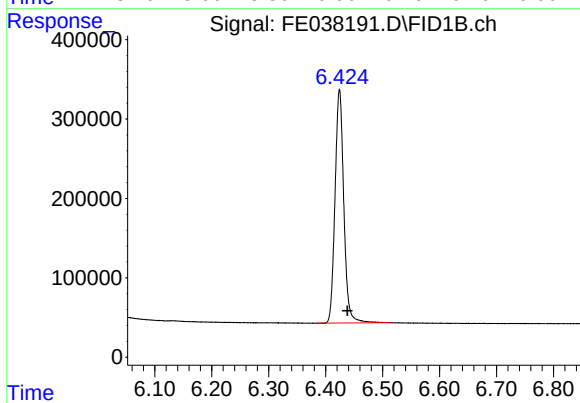
#2 n-Decane (C10)

R.T.: 4.251 min
Delta R.T.: -0.017 min
Response: 3066065
Conc: 20.74 ug/ml



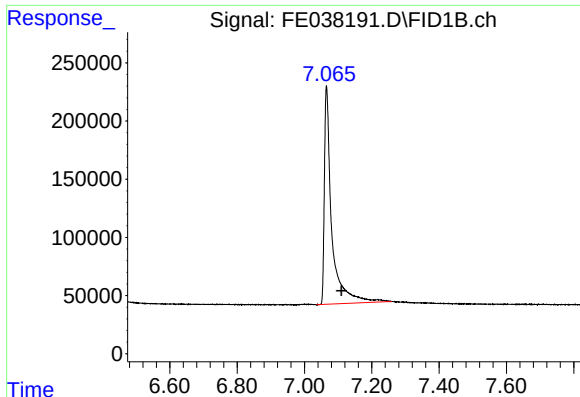
#3 A~Naphthalene (C11.7)

R.T.: 5.972 min
Delta R.T.: -0.039 min
Response: 2879483
Conc: 21.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.424 min
Delta R.T.: -0.014 min
Response: 3151202
Conc: 20.68 ug/ml



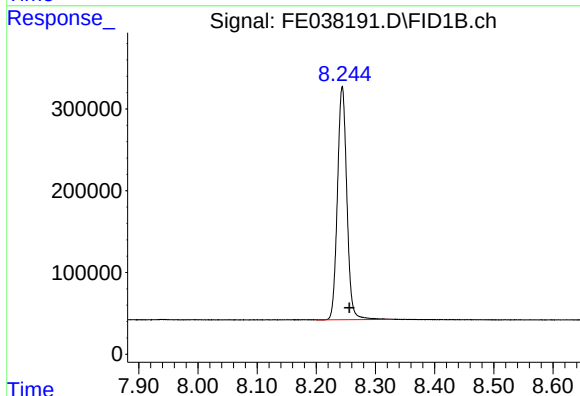
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.066 min
Delta R.T.: -0.044 min
Response: 2873249
Conc: 21.62 ug/ml

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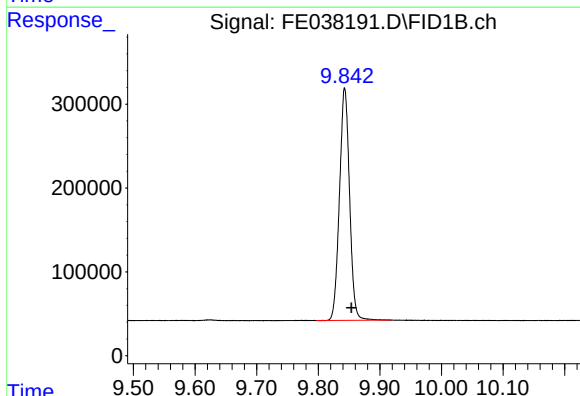
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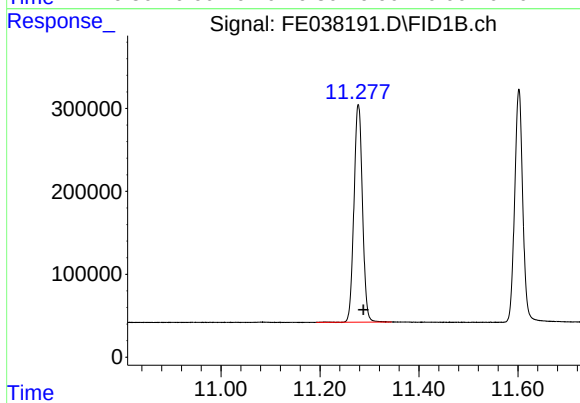
#6 n-Tetradecane (C14)

R.T.: 8.244 min
Delta R.T.: -0.012 min
Response: 3147967
Conc: 20.57 ug/ml



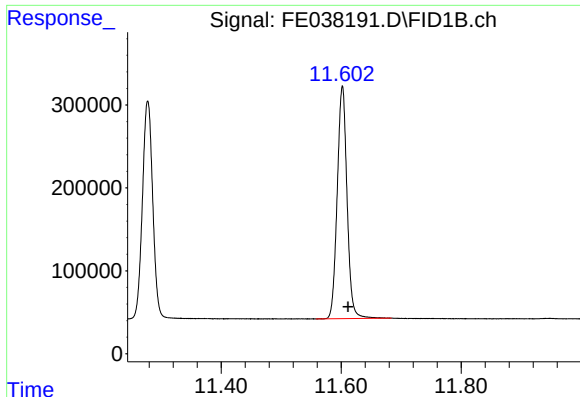
#7 n-Hexadecane (C16)

R.T.: 9.843 min
Delta R.T.: -0.011 min
Response: 3152083
Conc: 20.18 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.278 min
Delta R.T.: -0.010 min
Response: 3131739
Conc: 19.52 ug/ml



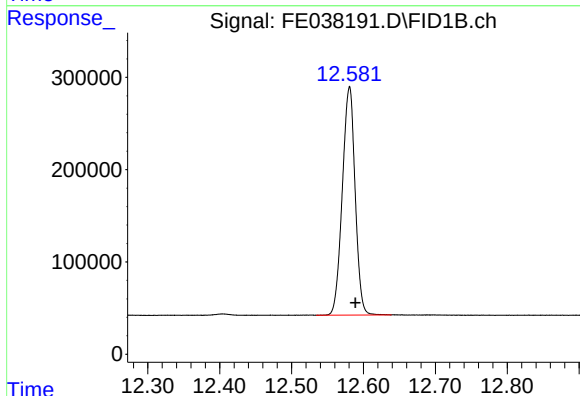
#9 ortho-Terphenyl (SURR)

R.T.: 11.602 min
Delta R.T.: -0.010 min
Response: 3185625
Conc: 18.42 ug/ml

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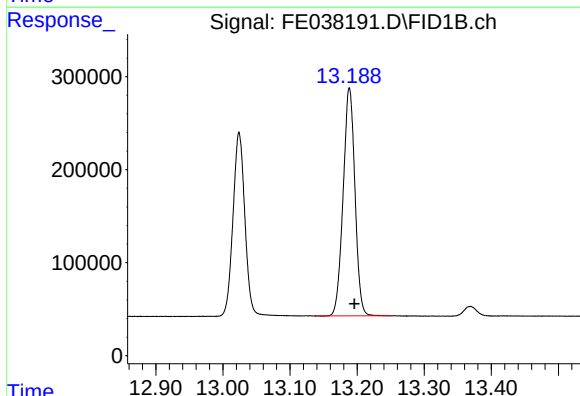
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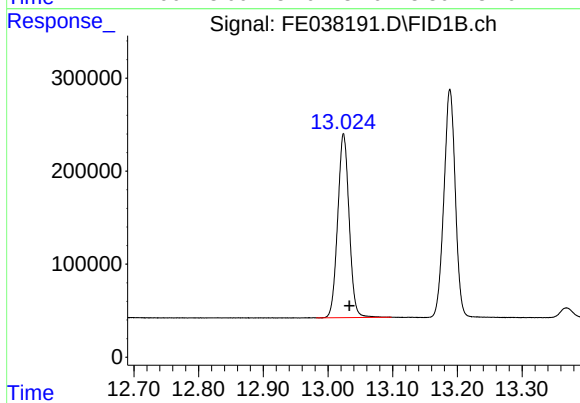
#10 n-Eicosane (C20)

R.T.: 12.581 min
Delta R.T.: -0.008 min
Response: 3056695
Conc: 18.74 ug/ml



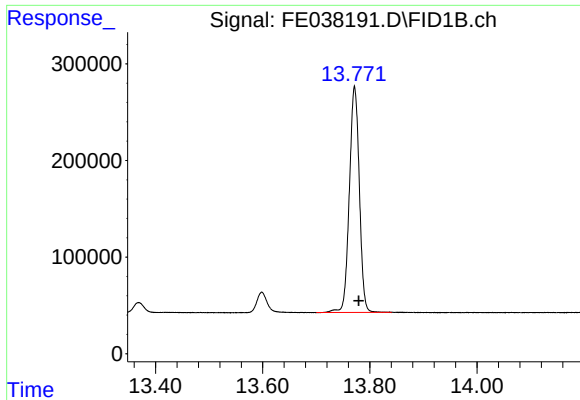
#11 n-Heneicosane (C21)

R.T.: 13.188 min
Delta R.T.: -0.008 min
Response: 2995758
Conc: 18.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.024 min
Delta R.T.: -0.009 min
Response: 2424730
Conc: 17.94 ug/ml



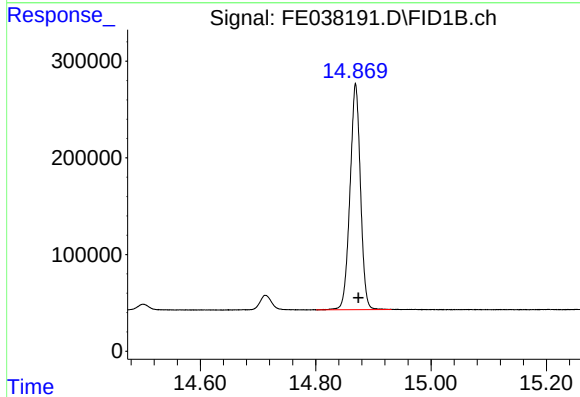
#13 n-Docosane (C22)

R.T.: 13.771 min
Delta R.T.: -0.008 min
Response: 3030685
Conc: 18.41 ug/ml

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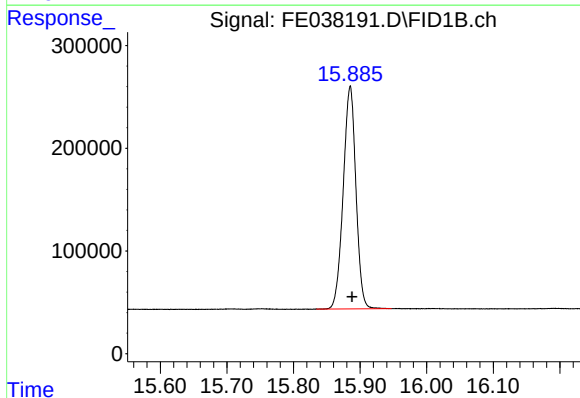
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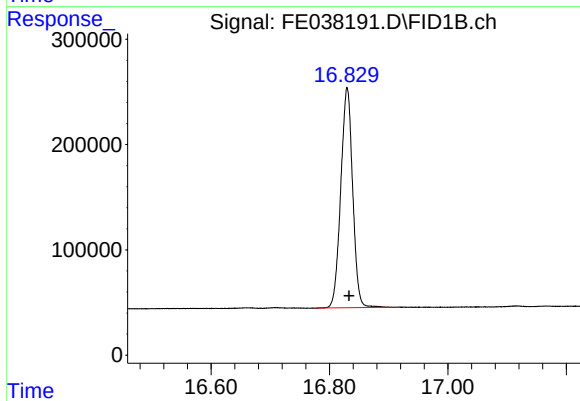
#14 n-Tetracosane (C24)

R.T.: 14.869 min
Delta R.T.: -0.005 min
Response: 2942597
Conc: 17.94 ug/ml



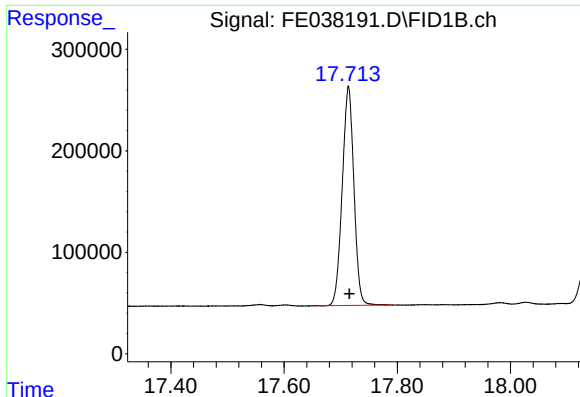
#15 n-Hexacosane (C26)

R.T.: 15.885 min
Delta R.T.: -0.003 min
Response: 2876617
Conc: 17.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.830 min
Delta R.T.: -0.004 min
Response: 2915633
Conc: 18.20 ug/ml



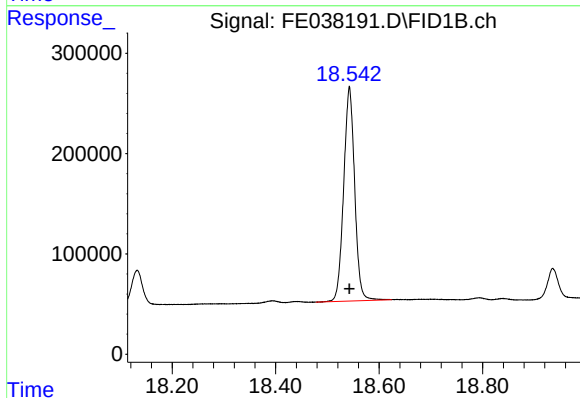
#17 n-Tricontane (C30)

R.T.: 17.714 min
Delta R.T.: -0.001 min
Response: 3092157
Conc: 19.32 ug/ml

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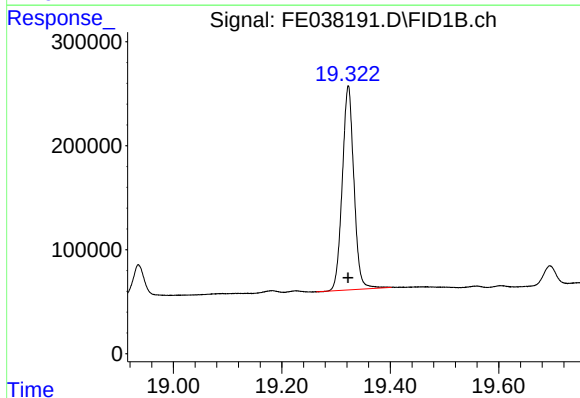
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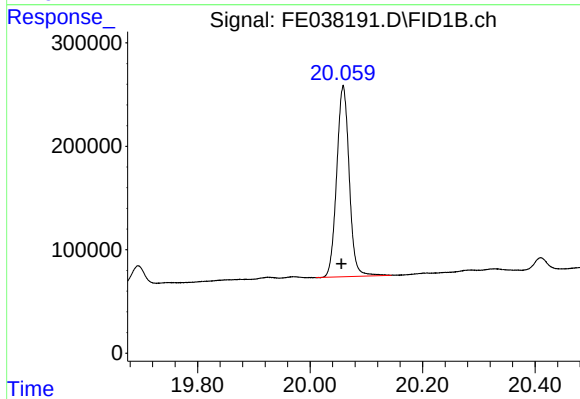
#18 n-Dotriacontane (C32)

R.T.: 18.543 min
Delta R.T.: 0.000 min
Response: 3139656
Conc: 19.94 ug/ml



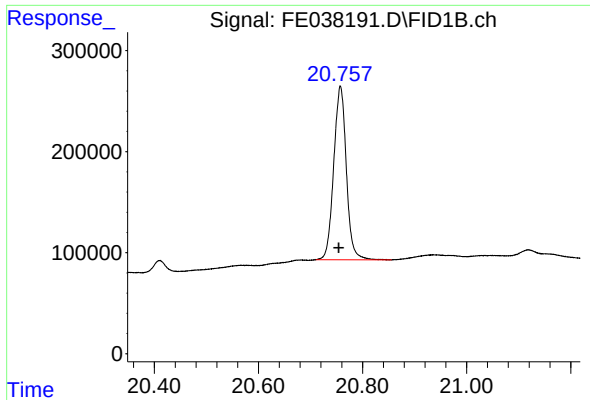
#19 n-Tetratriacontane (C34)

R.T.: 19.323 min
Delta R.T.: 0.000 min
Response: 2919022
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.059 min
Delta R.T.: 0.003 min
Response: 2847457
Conc: 19.75 ug/ml



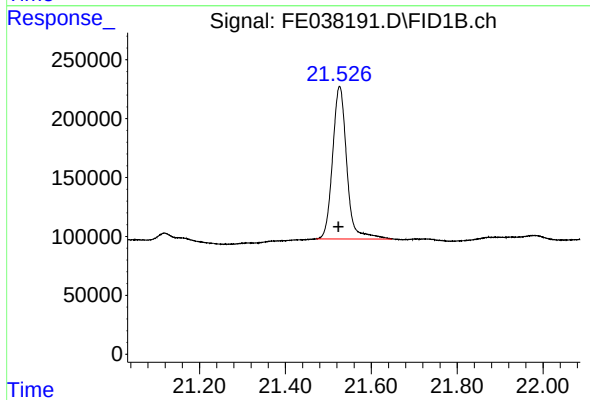
#21 n-Octatriacontane (C38)

R.T.: 20.757 min
Delta R.T.: 0.003 min
Response: 2888227
Conc: 21.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.526 min
Delta R.T.: 0.002 min
Response: 2971819
Conc: 23.35 ug/ml m