

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD092921AL\
 Data File : FD038958.D
 Signal(s) : FID2B.CH
 Acq On : 29 Sep 2021 19:24
 Operator : AJ\MA
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Manual Integrations
 APPROVED

mohammad
 9/30/2021 11:12:32 AM

Integration File: autoint1.e
 Quant Time: Sep 30 02:03:10 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 092921.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 30 02:00:42 2021
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.678	739642	5.252 ug/ml
Spiked Amount 50.000		Recovery =	10.50%
12) S 1-chlorooctadecane (S...	13.104	587994	5.272 ug/ml
Spiked Amount 50.000		Recovery =	10.54%
Target Compounds			
1) T n-Nonane (C9)	3.438	656144	5.224 ug/ml
2) T n-Decane (C10)	4.508	665918	5.244 ug/ml
3) T A~Naphthalene (C11.7)	6.101	741997	5.239 ug/ml
4) T n-Dodecane (C12)	6.524	668169	5.248 ug/ml
5) T A~2-methylnaphthalene...	7.156	741777	5.210 ug/ml
6) T n-Tetradecane (C14)	8.317	676507	5.247 ug/ml
7) T n-Hexadecane (C16)	9.914	679388	5.244 ug/ml
8) T n-Octadecane (C18)	11.353	698291	5.259 ug/ml
10) T n-Eicosane (C20)	12.659	694065	5.272 ug/ml
11) T n-Heneicosane (C21)	13.269	701992	5.283 ug/ml
13) T n-Docosane (C22)	13.853	695780	5.287 ug/ml
14) T n-Tetracosane (C24)	14.952	694947	5.276 ug/ml
15) T n-Hexacosane (C26)	15.970	672600	5.249 ug/ml
16) T n-Octacosane (C28)	16.916	656231	5.208 ug/ml
17) T n-Tricontane (C30)	17.799	637539	5.232 ug/ml
18) T n-Dotriacontane (C32)	18.629	614602	5.334 ug/ml
19) T n-Tetratriacontane (C34)	19.408	555547	5.171 ug/ml
20) T n-Hexatriacontane (C36)	20.143	508095	5.311 ug/mlm
21) T n-Octatriacontane (C38)	20.884	464558	5.359 ug/ml
22) T n-Tetracontane (C40)	21.814	491481	5.955 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 6 Sample Multiplier: 1

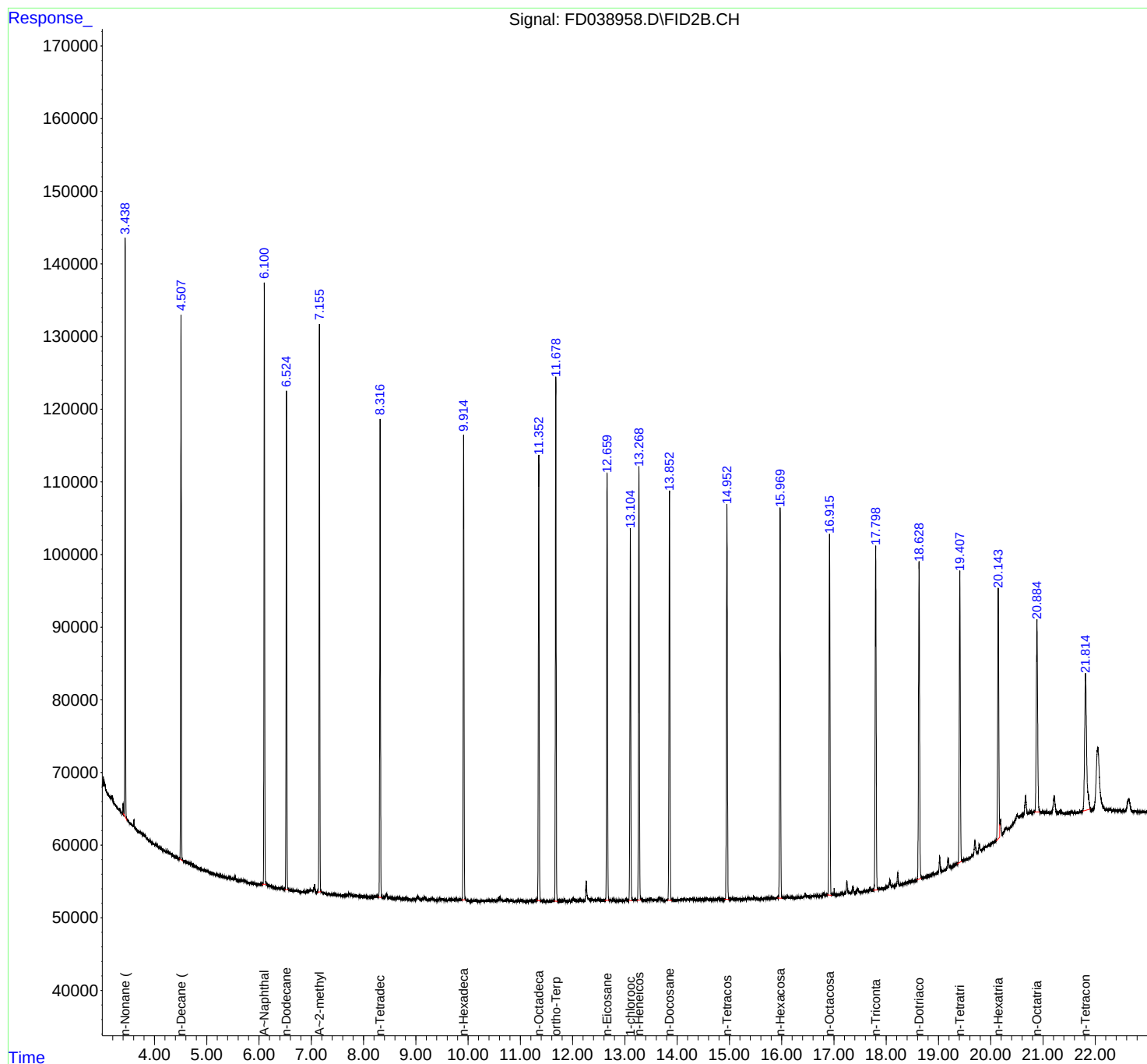
Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

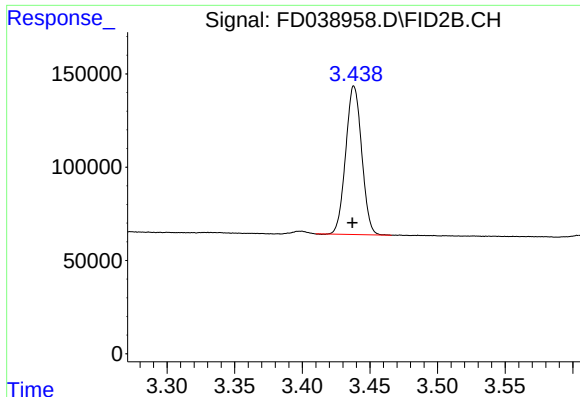
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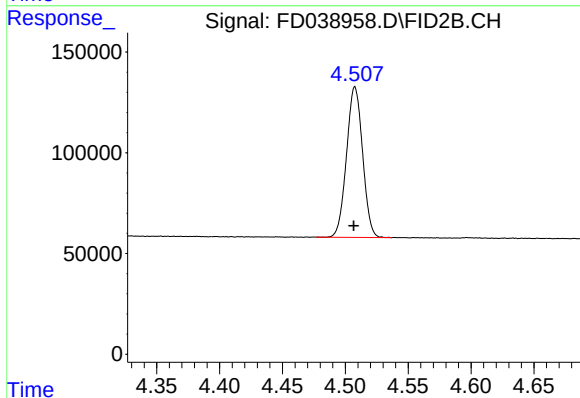
#1 n-Nonane (C9)

R.T.: 3.438 min
Delta R.T.: 0.001 min
Response: 656144
Conc: 5.22 ug/ml

Instrument :
FID_D
ClientSampleId :
5 PPM ALIPHATIC HC STD5

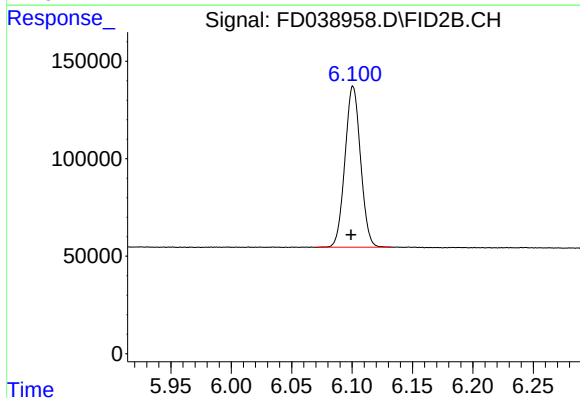
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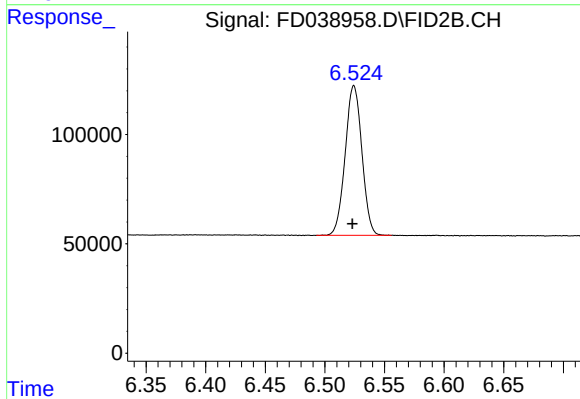
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 665918
Conc: 5.24 ug/ml



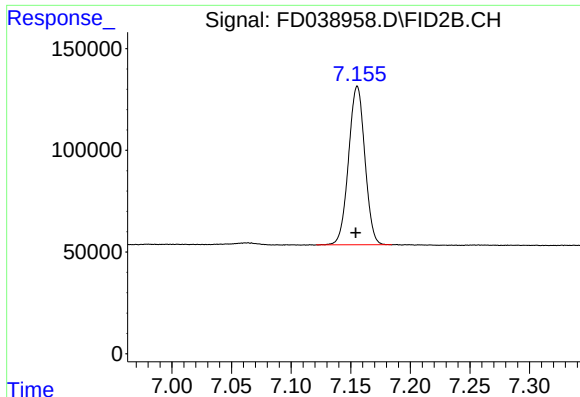
#3 A~Naphthalene (C11.7)

R.T.: 6.101 min
Delta R.T.: 0.002 min
Response: 741997
Conc: 5.24 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.524 min
Delta R.T.: 0.001 min
Response: 668169
Conc: 5.25 ug/ml



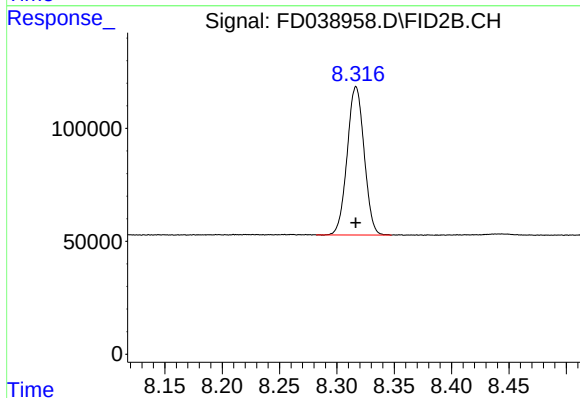
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.156 min
Delta R.T.: 0.001 min
Response: 741777
Conc: 5.21 ug/ml

Instrument :
FID_D
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5 PPM ALIPHATIC HC STD5

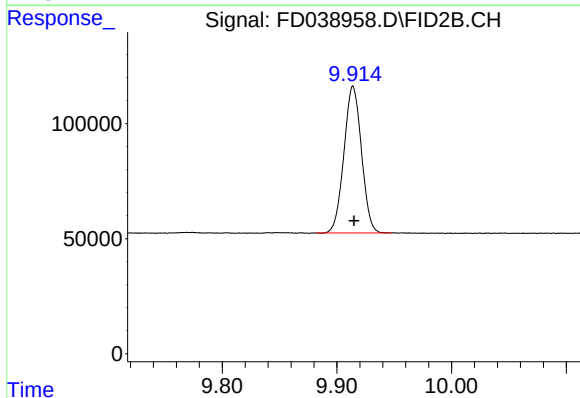
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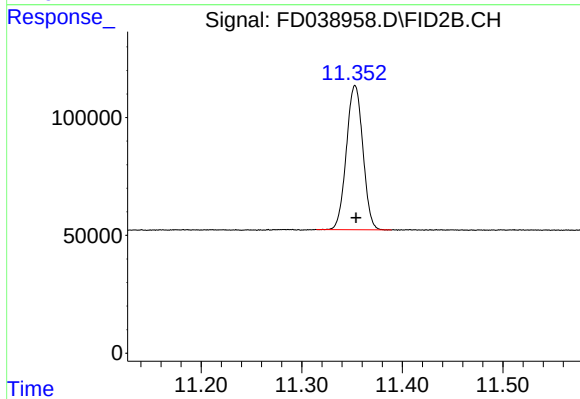
#6 n-Tetradecane (C14)

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 676507
Conc: 5.25 ug/ml



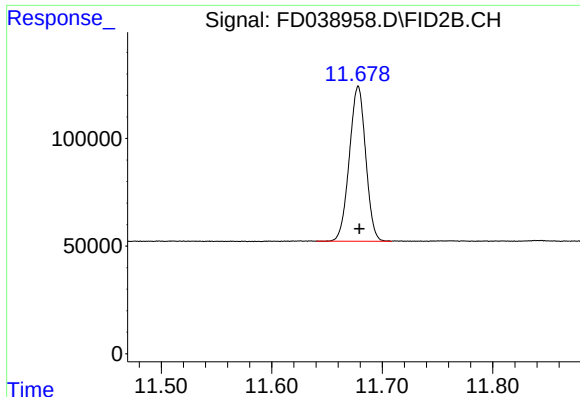
#7 n-Hexadecane (C16)

R.T.: 9.914 min
Delta R.T.: 0.000 min
Response: 679388
Conc: 5.24 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.353 min
Delta R.T.: -0.001 min
Response: 698291
Conc: 5.26 ug/ml



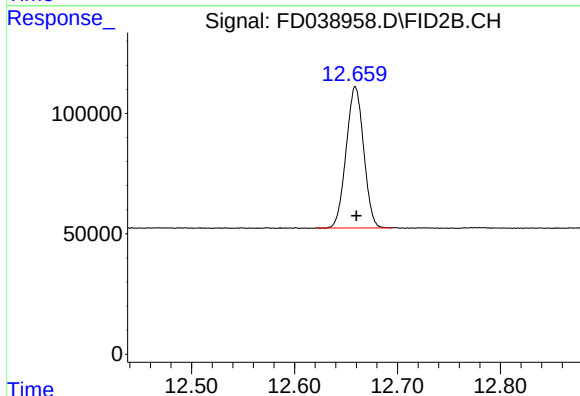
#9 ortho-Terphenyl (SURR)

R.T.: 11.678 min
Delta R.T.: 0.000 min
Response: 739642
Conc: 5.25 ug/ml

Instrument :
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ClientSampleId :
5 PPM ALIPHATIC HC STD5

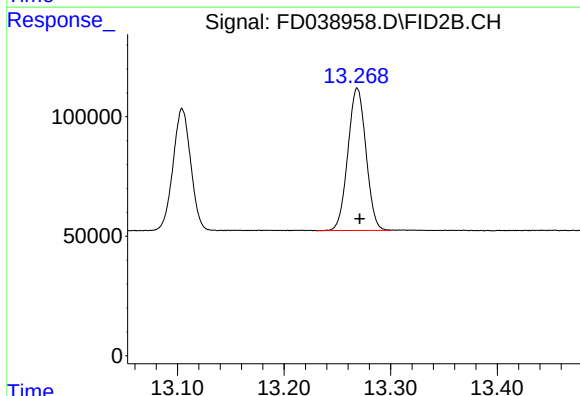
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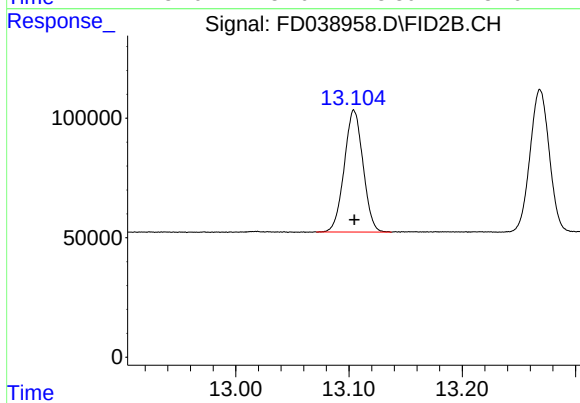
#10 n-Eicosane (C20)

R.T.: 12.659 min
Delta R.T.: 0.000 min
Response: 694065
Conc: 5.27 ug/ml



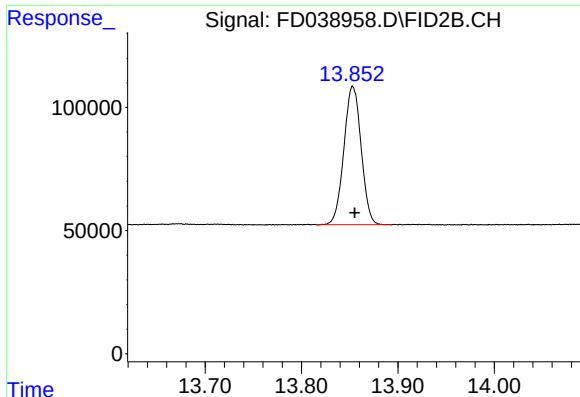
#11 n-Heneicosane (C21)

R.T.: 13.269 min
Delta R.T.: -0.002 min
Response: 701992
Conc: 5.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.104 min
Delta R.T.: 0.000 min
Response: 587994
Conc: 5.27 ug/ml



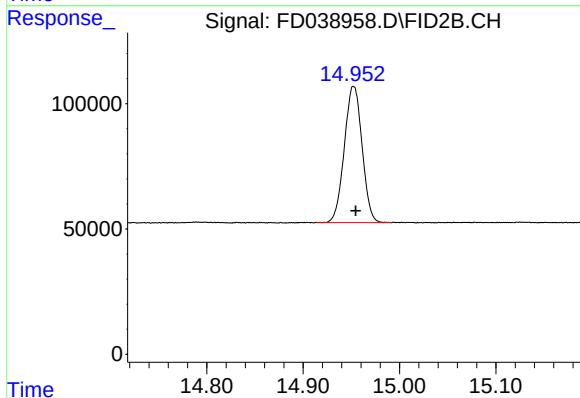
#13 n-Docosane (C22)

R.T.: 13.853 min
Delta R.T.: -0.002 min
Response: 695780
Conc: 5.29 ug/ml

Instrument :
FID_D
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5 PPM ALIPHATIC HC STD5

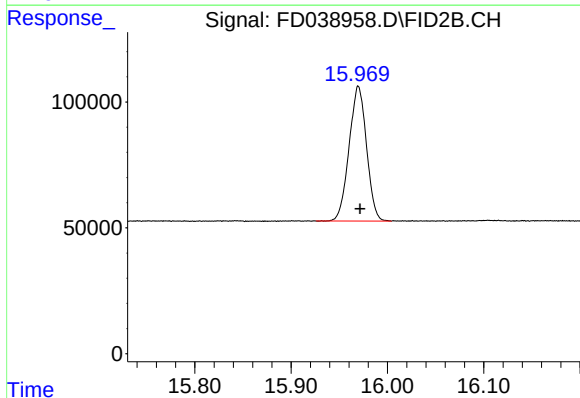
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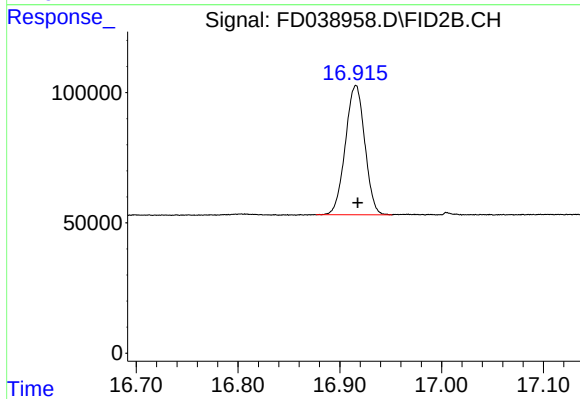
#14 n-Tetracosane (C24)

R.T.: 14.952 min
Delta R.T.: -0.002 min
Response: 694947
Conc: 5.28 ug/ml



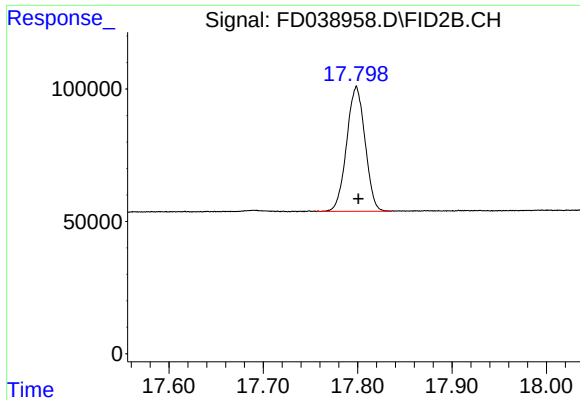
#15 n-Hexacosane (C26)

R.T.: 15.970 min
Delta R.T.: -0.002 min
Response: 672600
Conc: 5.25 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.916 min
Delta R.T.: -0.002 min
Response: 656231
Conc: 5.21 ug/ml



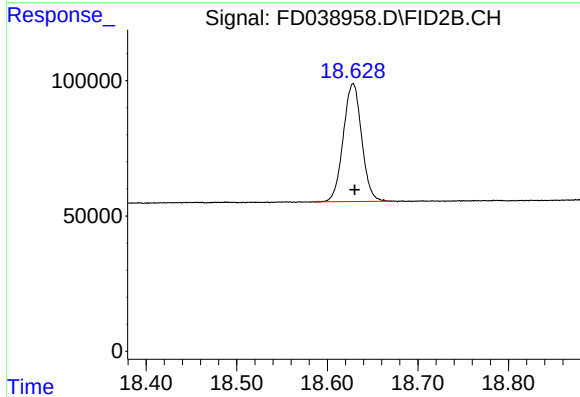
#17 n-Tricontane (C30)

R.T.: 17.799 min
Delta R.T.: -0.002 min
Response: 637539
Conc: 5.23 ug/ml

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5 PPM ALIPHATIC HC STD5

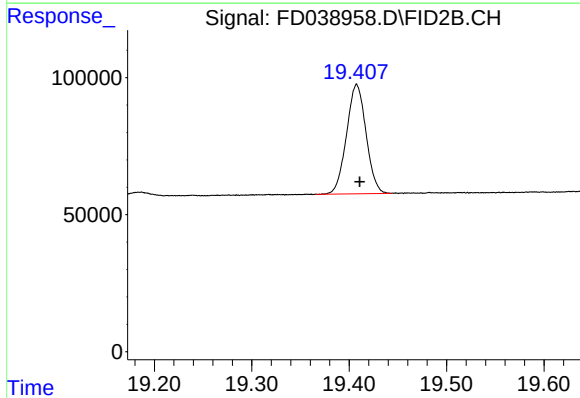
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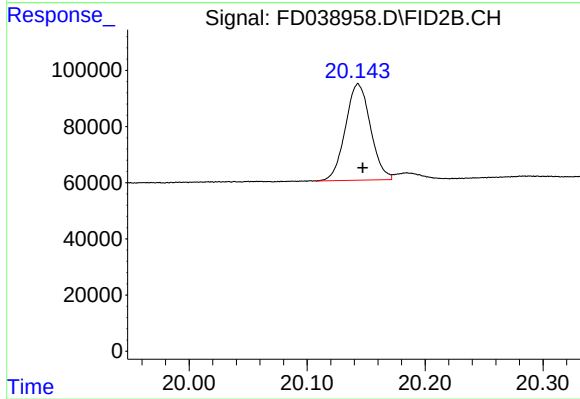
#18 n-Dotriacontane (C32)

R.T.: 18.629 min
Delta R.T.: -0.002 min
Response: 614602
Conc: 5.33 ug/ml



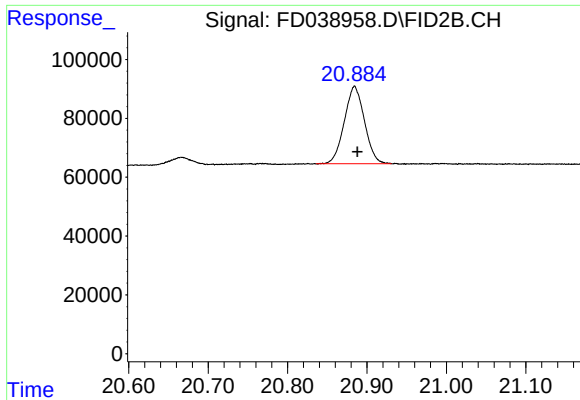
#19 n-Tetratriacontane (C34)

R.T.: 19.408 min
Delta R.T.: -0.003 min
Response: 555547
Conc: 5.17 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.143 min
Delta R.T.: -0.004 min
Response: 508095
Conc: 5.31 ug/ml m



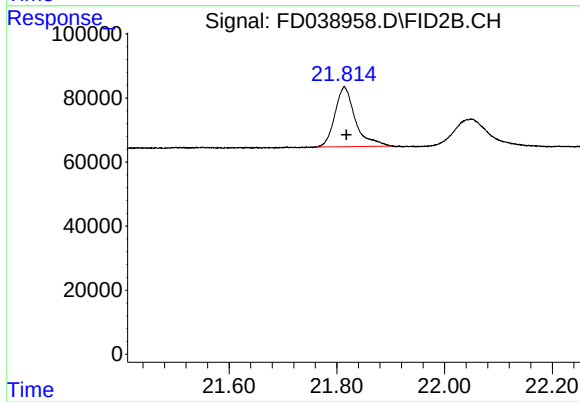
#21 n-Octatriacontane (C38)

R.T.: 20.884 min
Delta R.T.: -0.004 min
Response: 464558
Conc: 5.36 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 21.814 min
Delta R.T.: -0.004 min
Response: 491481
Conc: 5.95 ug/ml m