

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD070921AL\
 Data File : FD038156.D
 Signal(s) : FID2B.CH
 Acq On : 10 Jul 2021 1:03
 Operator : DD\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

mohammad
 7/12/2021 12:27:22 PM

Integration File: autoint1.e
 Quant Time: Jul 10 01:45:24 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Alaphatic EPH 070621.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 07 10:58:41 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)	11.421	2842313	19.663 ug/ml
Spiked Amount 50.000		Recovery =	39.33%
12) S 1-chlorooctadecane (S...	12.857	2191412	19.221 ug/ml
Spiked Amount 50.000		Recovery =	38.44%
Target Compounds			
1) T n-Nonane (C9)	3.234	2558874	21.058 ug/ml
2) T n-Decane (C10)	4.291	2605182	21.299 ug/ml
3) T A~Naphthalene (C11.7)	5.860	2912390	21.305 ug/ml
4) T n-Dodecane (C12)	6.297	2665457	21.401 ug/ml
5) T A~2-methylnaphthalene...	6.912	2921130	21.208 ug/ml
6) T n-Tetradecane (C14)	8.084	2728329	21.227 ug/ml
7) T n-Hexadecane (C16)	9.677	2728317	21.054 ug/ml
8) T n-Octadecane (C18)	11.112	2757442	20.475 ug/ml
10) T n-Eicosane (C20)	12.415	2669352	19.873 ug/ml
11) T n-Heneicosane (C21)	13.025	2648944	19.497 ug/ml
13) T n-Docosane (C22)	13.607	2633750	19.575 ug/ml
14) T n-Tetracosane (C24)	14.705	2677480	19.829 ug/ml
15) T n-Hexacosane (C26)	15.720	2541786	19.292 ug/ml
16) T n-Octacosane (C28)	16.665	2469861	18.942 ug/ml
17) T n-Tricontane (C30)	17.549	2363120	18.492 ug/ml
18) T n-Dotriacontane (C32)	18.375	2243047	18.229 ug/mlm
19) T n-Tetratriacontane (C34)	19.156	2113312	18.047 ug/mlm
20) T n-Hexatriacontane (C36)	19.893	1992173	18.242 ug/ml
21) T n-Octatriacontane (C38)	20.597	1893204	18.797 ug/ml
22) T n-Tetracontane (C40)	21.427	1988429	20.331 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 52 Sample Multiplier: 1

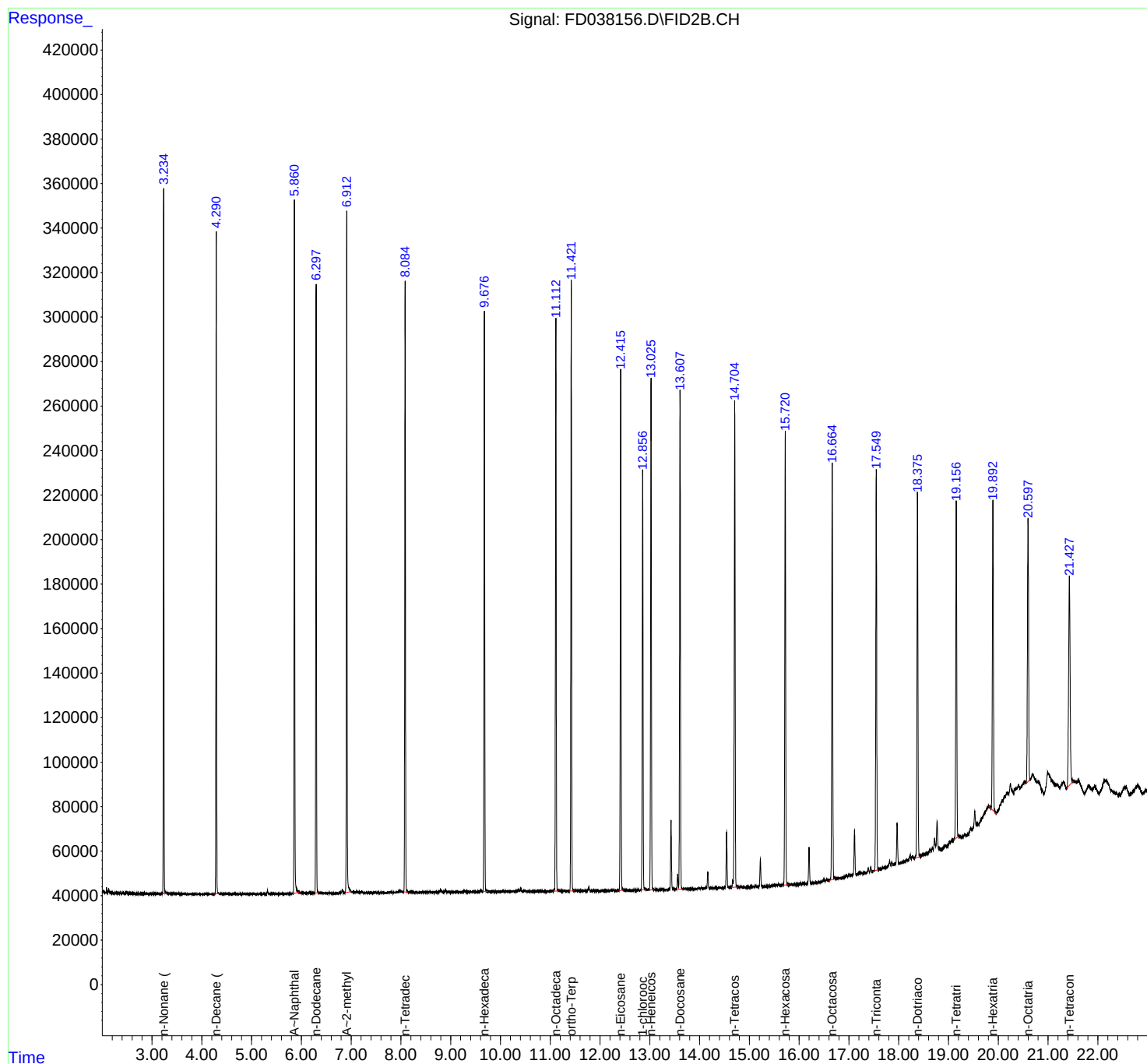
Instrument :
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20 PPM ALIPHATIC HC STD

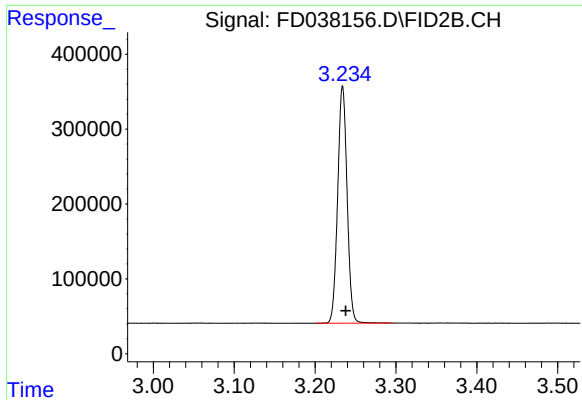
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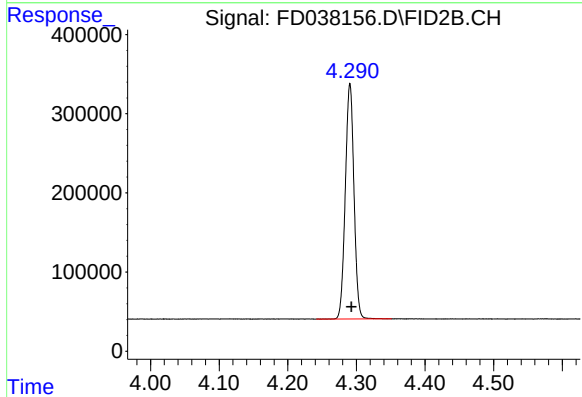
#1 n-Nonane (C9)

R.T.: 3.234 min
Delta R.T.: -0.004 min
Response: 2558874
Conc: 21.06 ug/ml

Instrument :
FID_D
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20 PPM ALIPHATIC HC STD

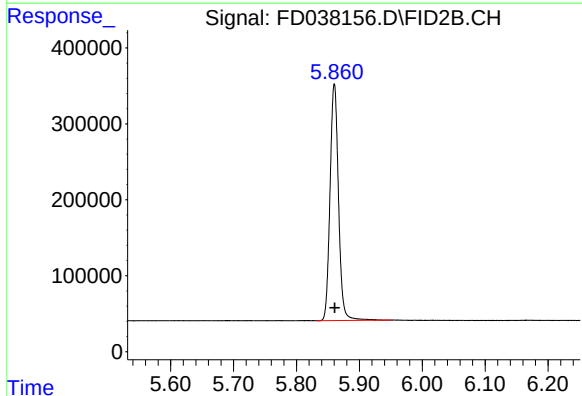
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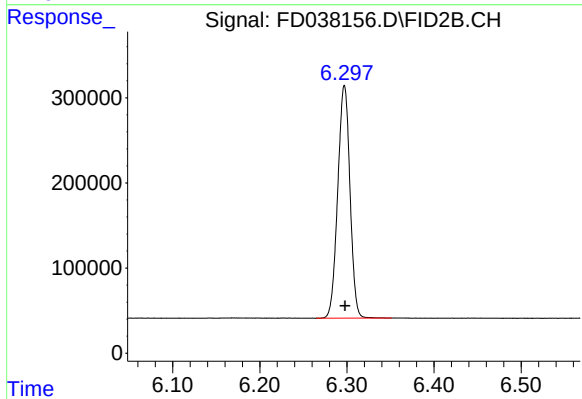
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: -0.002 min
Response: 2605182
Conc: 21.30 ug/ml



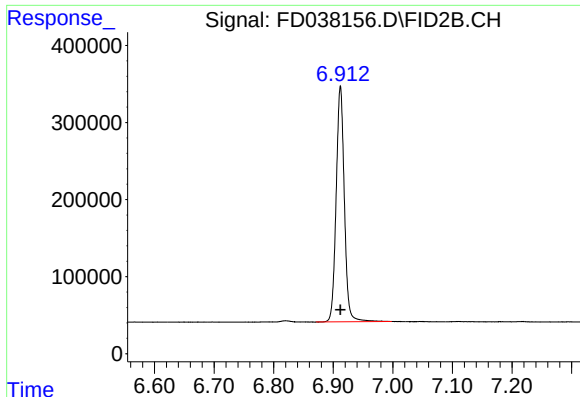
#3 A~Naphthalene (C11.7)

R.T.: 5.860 min
Delta R.T.: 0.000 min
Response: 2912390
Conc: 21.30 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.297 min
Delta R.T.: 0.000 min
Response: 2665457
Conc: 21.40 ug/ml



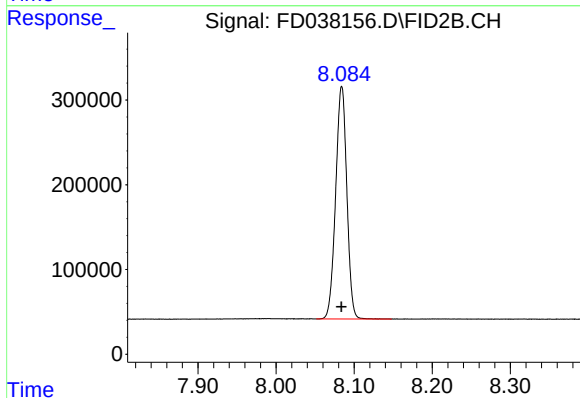
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 2921130
Conc: 21.21 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

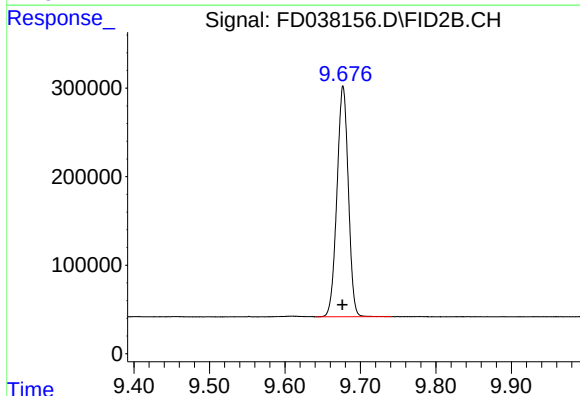
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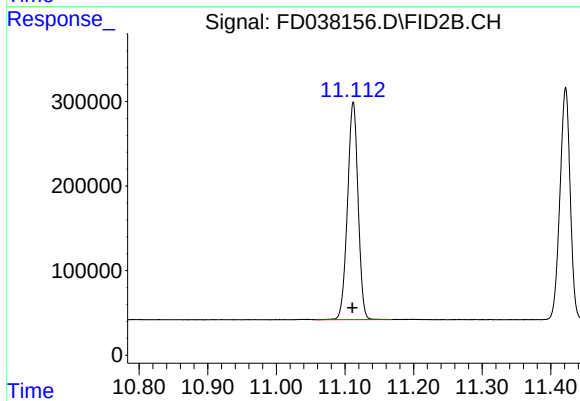
#6 n-Tetradecane (C14)

R.T.: 8.084 min
Delta R.T.: 0.000 min
Response: 2728329
Conc: 21.23 ug/ml



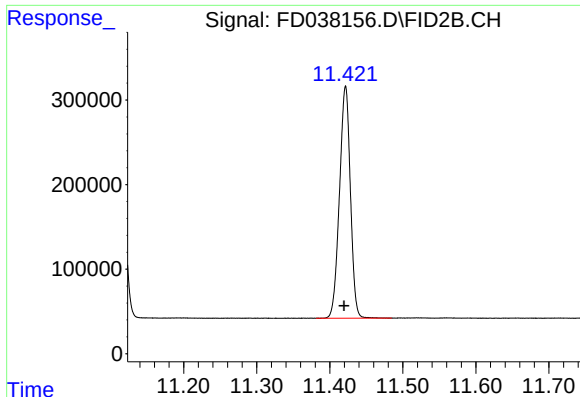
#7 n-Hexadecane (C16)

R.T.: 9.677 min
Delta R.T.: 0.000 min
Response: 2728317
Conc: 21.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.112 min
Delta R.T.: 0.001 min
Response: 2757442
Conc: 20.48 ug/ml



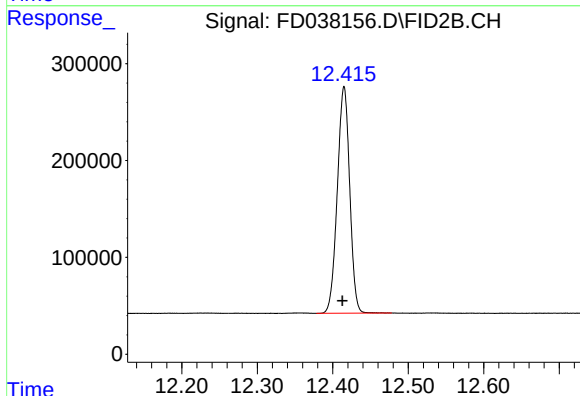
#9 ortho-Terphenyl (SURR)

R.T.: 11.421 min
Delta R.T.: 0.002 min
Response: 2842313
Conc: 19.66 ug/ml

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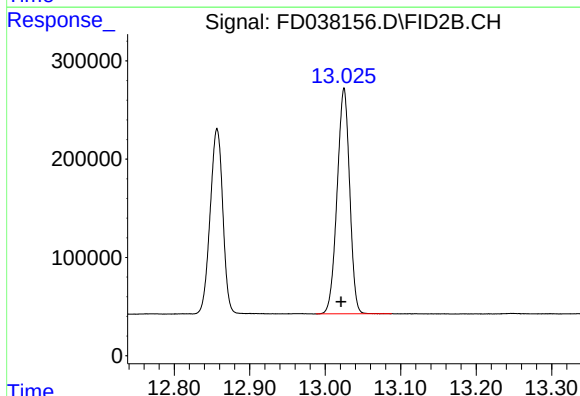
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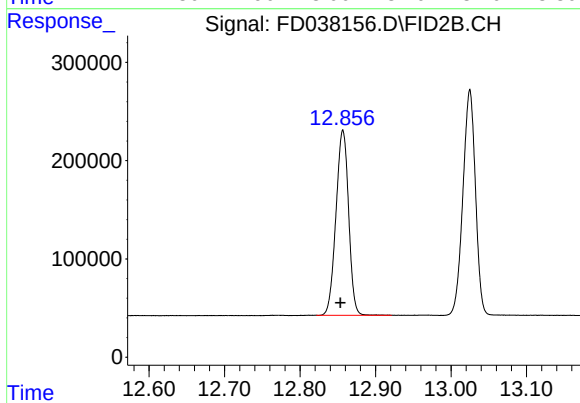
#10 n-Eicosane (C20)

R.T.: 12.415 min
Delta R.T.: 0.002 min
Response: 2669352
Conc: 19.87 ug/ml



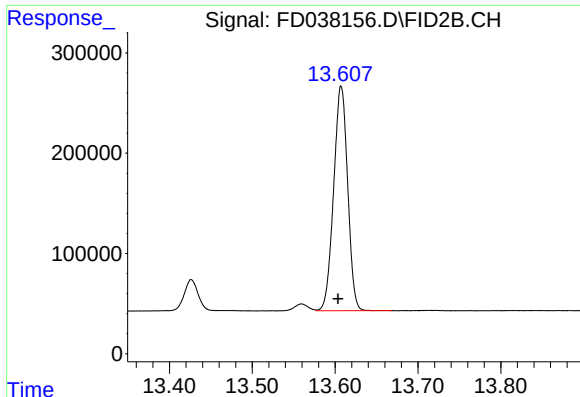
#11 n-Heneicosane (C21)

R.T.: 13.025 min
Delta R.T.: 0.004 min
Response: 2648944
Conc: 19.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.857 min
Delta R.T.: 0.003 min
Response: 2191412
Conc: 19.22 ug/ml



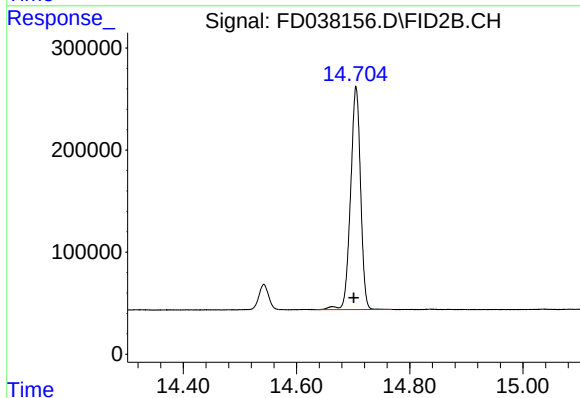
#13 n-Docosane (C22)

R.T.: 13.607 min
Delta R.T.: 0.004 min
Response: 2633750
Conc: 19.57 ug/ml

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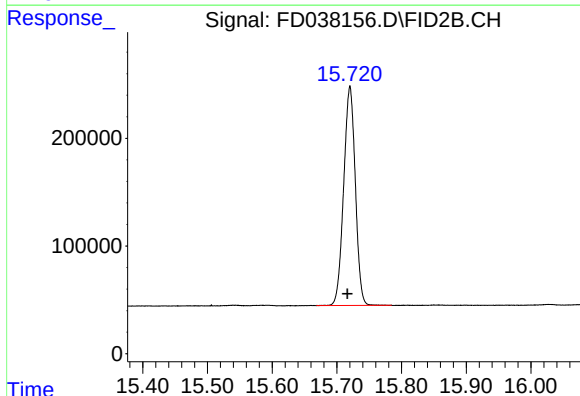
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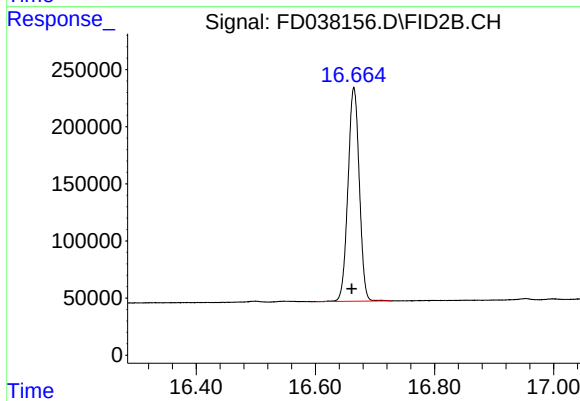
#14 n-Tetracosane (C24)

R.T.: 14.705 min
Delta R.T.: 0.004 min
Response: 2677480
Conc: 19.83 ug/ml



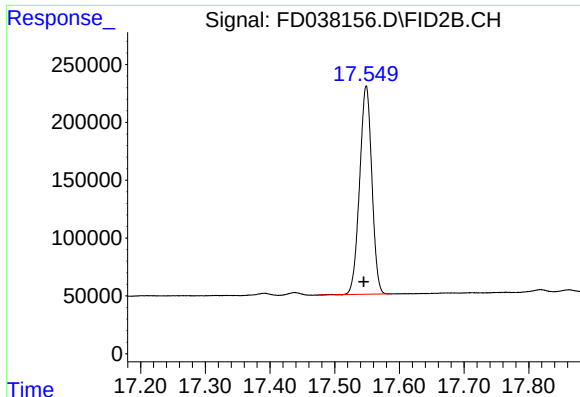
#15 n-Hexacosane (C26)

R.T.: 15.720 min
Delta R.T.: 0.004 min
Response: 2541786
Conc: 19.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.665 min
Delta R.T.: 0.003 min
Response: 2469861
Conc: 18.94 ug/ml



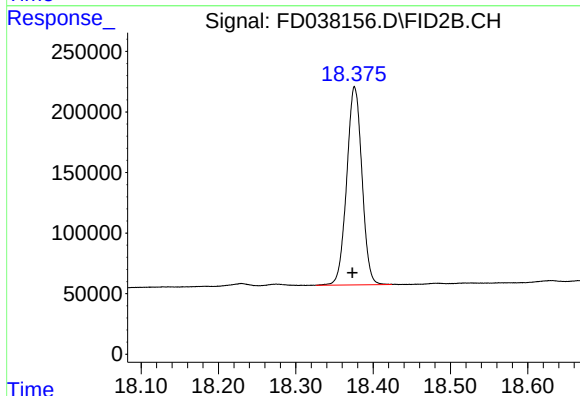
#17 n-Tricontane (C30)

R.T.: 17.549 min
Delta R.T.: 0.004 min
Response: 2363120
Conc: 18.49 ug/ml

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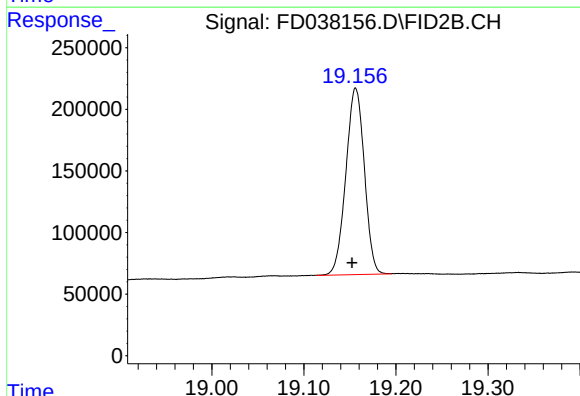
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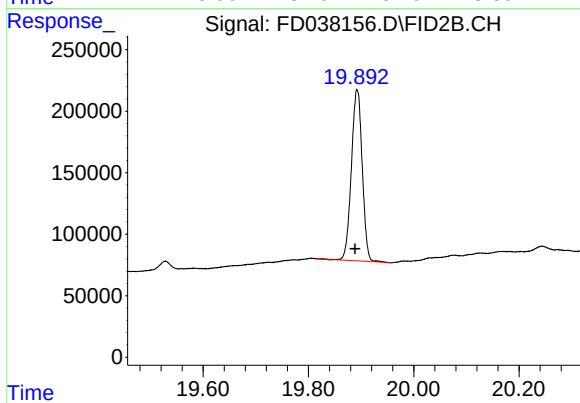
#18 n-Dotriacontane (C32)

R.T.: 18.375 min
Delta R.T.: 0.002 min
Response: 2243047
Conc: 18.23 ug/ml m



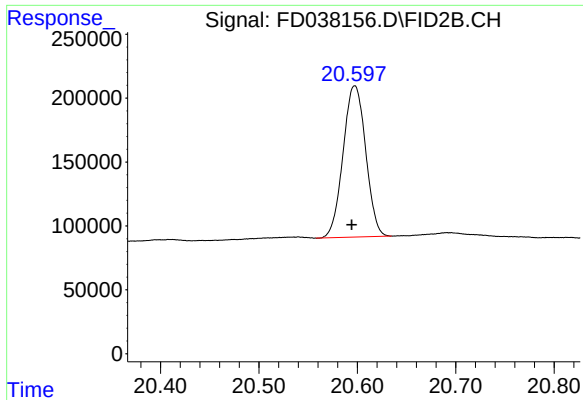
#19 n-Tetratriacontane (C34)

R.T.: 19.156 min
Delta R.T.: 0.003 min
Response: 2113312
Conc: 18.05 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.893 min
Delta R.T.: 0.004 min
Response: 1992173
Conc: 18.24 ug/ml



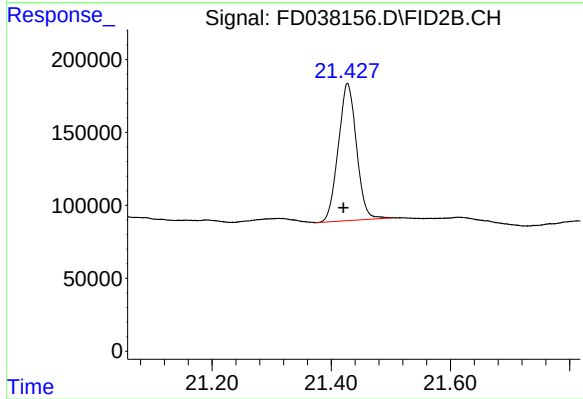
#21 n-Octatriacontane (C38)

R.T.: 20.597 min
Delta R.T.: 0.003 min
Response: 1893204
Conc: 18.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.427 min
Delta R.T.: 0.007 min
Response: 1988429
Conc: 20.33 ug/ml