

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD021122AL\
 Data File : FD040976.D
 Signal(s) : FID2B.CH
 Acq On : 11 Feb 2022 15:50
 Operator : YP\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

Reviewed By :Yogesh Patel 02/14/2022
 Supervised By :Ankita Jodhani 02/14/2022

Integration File: autoint1.e
 Quant Time: Feb 11 21:57:55 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 020822.M
 Quant Title : GC Extractables
 QLast Update : Wed Feb 09 03:32:15 2022
 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)	11.232	612016	21.897 ug/ml
Spiked Amount 50.000		Recovery =	43.79%
12) S 1-chlorooctadecane (S...	12.674	443008	21.161 ug/ml
Spiked Amount 50.000		Recovery =	42.32%
Target Compounds			
1) T n-Nonane (C9)	3.076	475816	21.126 ug/ml
2) T n-Decane (C10)	4.135	487077	21.642 ug/ml
3) T A~Naphthalene (C11.7)	5.691	509008	22.906 ug/ml
4) T n-Dodecane (C12)	6.138	495465	21.579 ug/ml
5) T A~2-methylnaphthalene...	6.738	509594	23.723 ug/ml
6) T n-Tetradecane (C14)	7.916	505754	21.477 ug/ml
7) T n-Hexadecane (C16)	9.504	511505	21.275 ug/ml
8) T n-Octadecane (C18)	10.933	545368	21.732 ug/mlm
10) T n-Eicosane (C20)	12.236	534306	21.333 ug/ml
11) T n-Heneicosane (C21)	12.844	540791	21.295 ug/ml
13) T n-Docosane (C22)	13.427	544187	21.741 ug/ml
14) T n-Tetracosane (C24)	14.523	549980	22.145 ug/ml
15) T n-Hexacosane (C26)	15.538	532893	21.982 ug/ml
16) T n-Octacosane (C28)	16.482	548755	22.790 ug/ml
17) T n-Tricontane (C30)	17.365	551584	23.148 ug/ml
18) T n-Dotriacontane (C32)	18.196	544926	24.296 ug/ml
19) T n-Tetratriacontane (C34)	18.974	486641	22.582 ug/ml
20) T n-Hexatriacontane (C36)	19.712	422950	21.272 ug/ml
21) T n-Octatriacontane (C38)	20.409	392617	20.723 ug/ml
22) T n-Tetracontane (C40)	21.193	422457	21.826 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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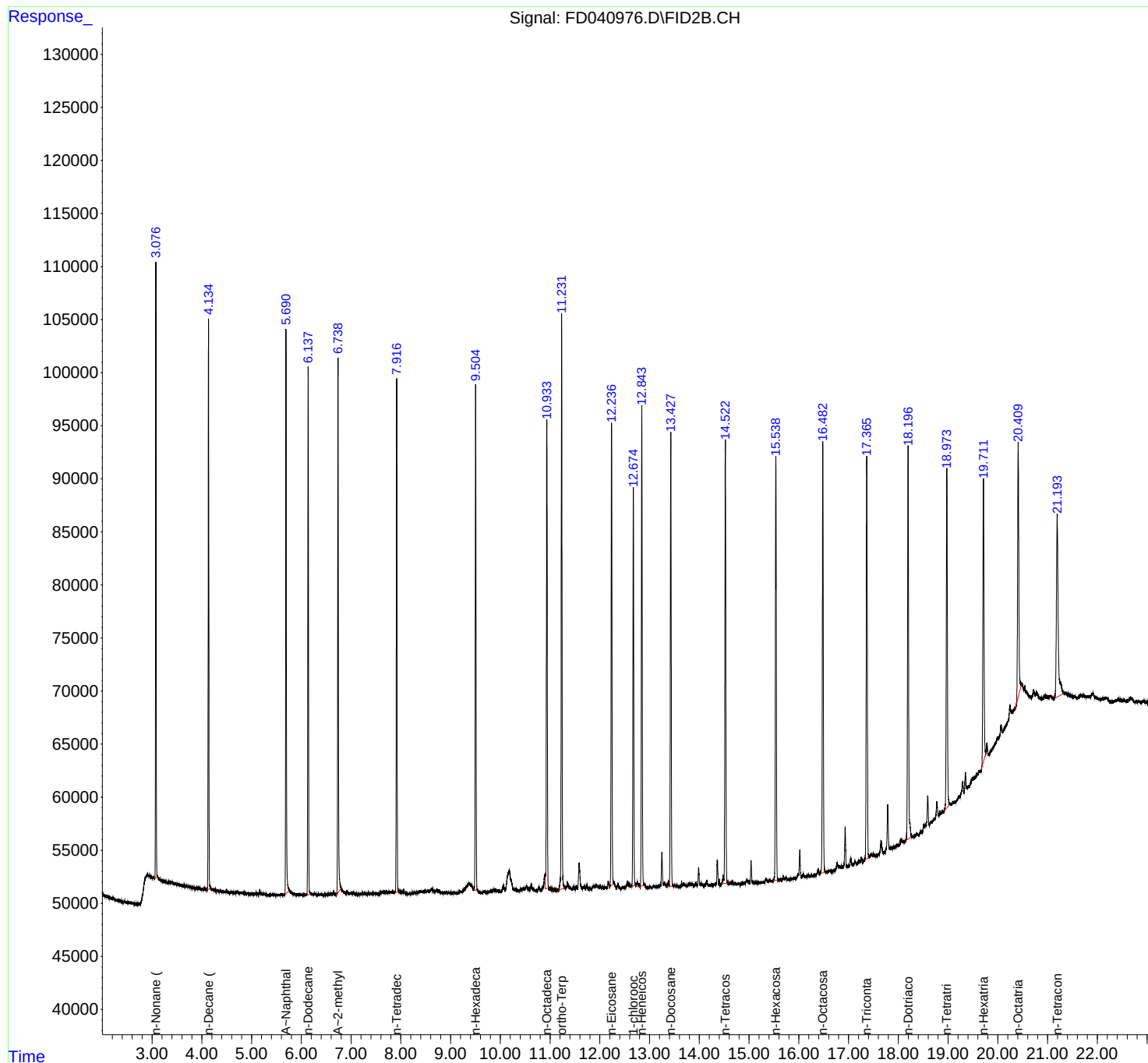
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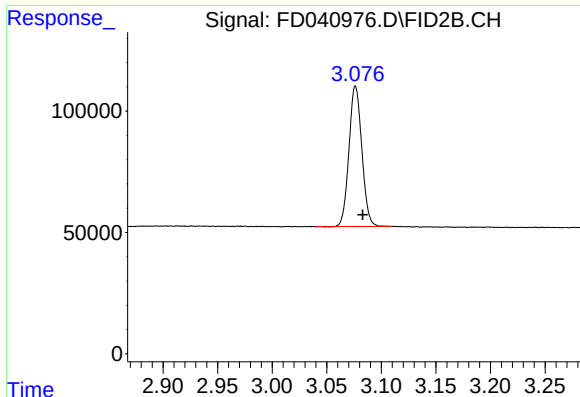
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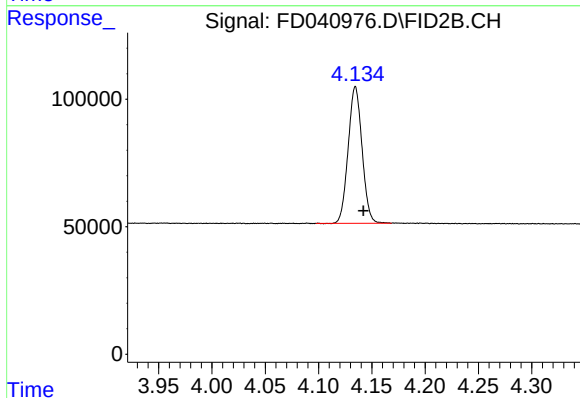
#1 n-Nonane (C9)

R.T.: 3.076 min
Delta R.T.: -0.007 min
Response: 475816
Conc: 21.13 ug/ml

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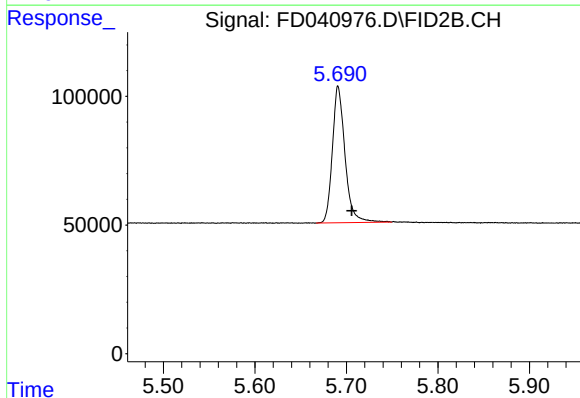
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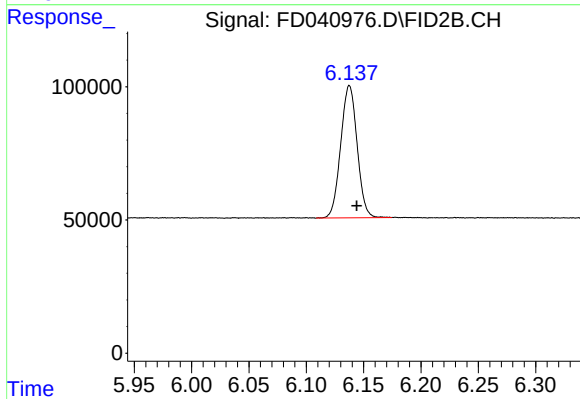
#2 n-Decane (C10)

R.T.: 4.135 min
Delta R.T.: -0.007 min
Response: 487077
Conc: 21.64 ug/ml



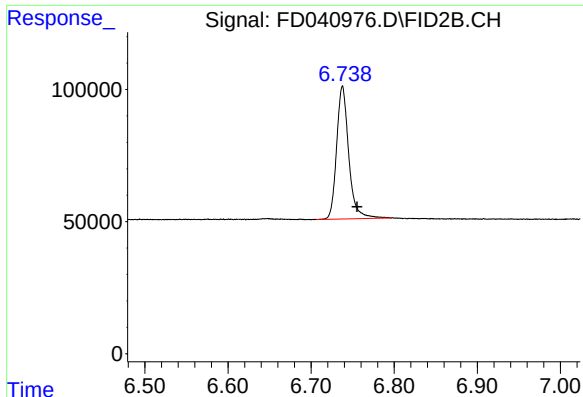
#3 A~Naphthalene (C11.7)

R.T.: 5.691 min
Delta R.T.: -0.015 min
Response: 509008
Conc: 22.91 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.138 min
Delta R.T.: -0.006 min
Response: 495465
Conc: 21.58 ug/ml



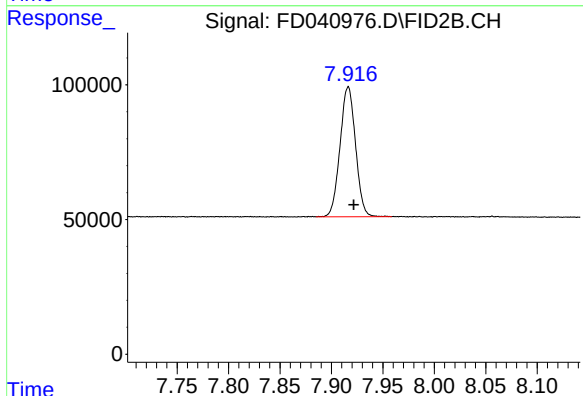
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.738 min
Delta R.T.: -0.017 min
Response: 509594
Conc: 23.72 ug/ml

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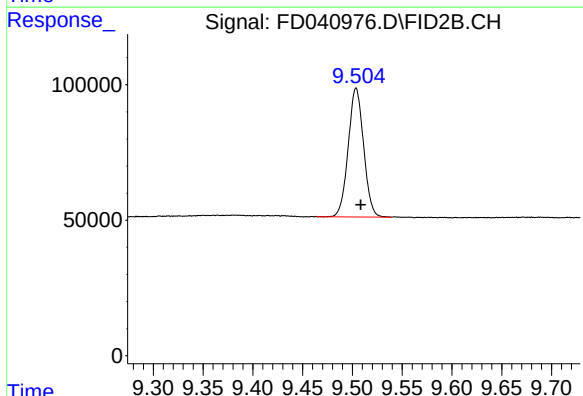
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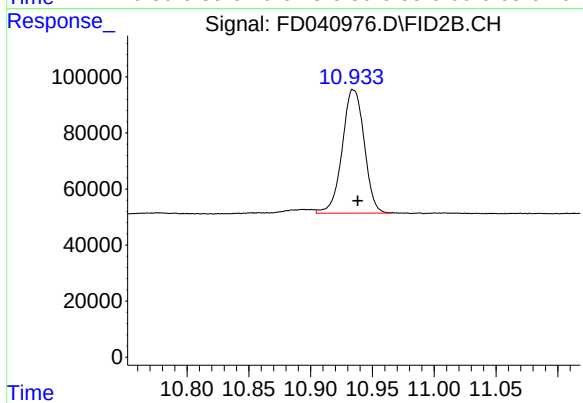
#6 n-Tetradecane (C14)

R.T.: 7.916 min
Delta R.T.: -0.005 min
Response: 505754
Conc: 21.48 ug/ml



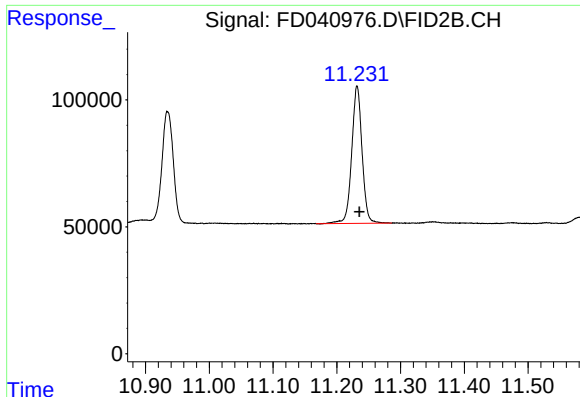
#7 n-Hexadecane (C16)

R.T.: 9.504 min
Delta R.T.: -0.005 min
Response: 511505
Conc: 21.28 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.933 min
Delta R.T.: -0.005 min
Response: 545368
Conc: 21.73 ug/ml m



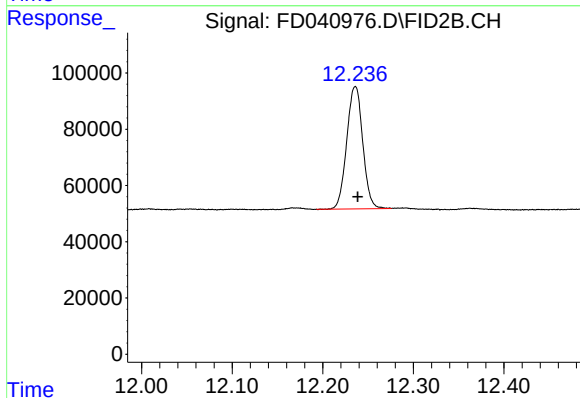
#9 ortho-Terphenyl (SURR)

R.T.: 11.232 min
Delta R.T.: -0.003 min
Response: 612016
Conc: 21.90 ug/ml

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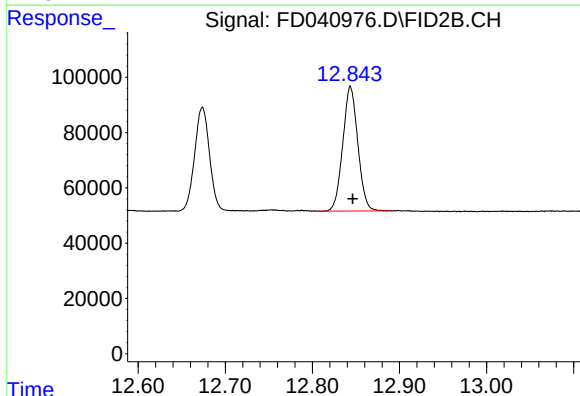
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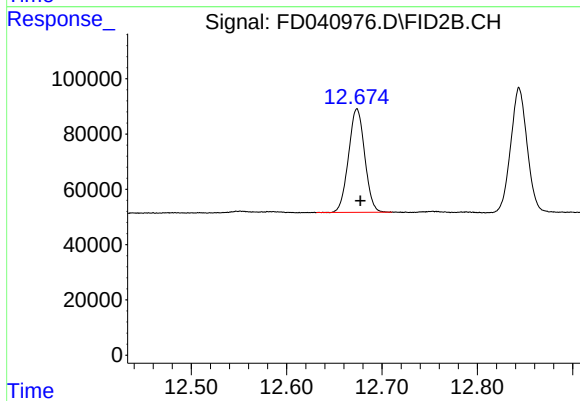
#10 n-Eicosane (C20)

R.T.: 12.236 min
Delta R.T.: -0.003 min
Response: 534306
Conc: 21.33 ug/ml



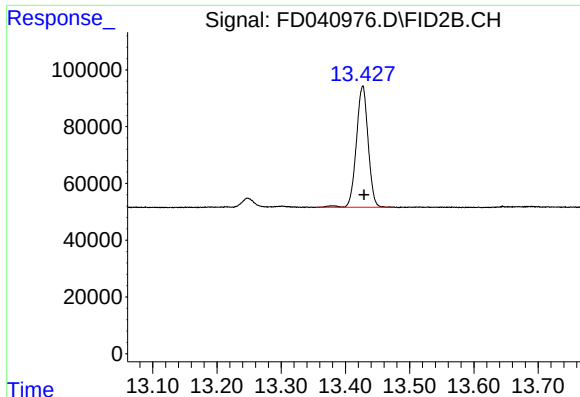
#11 n-Heneicosane (C21)

R.T.: 12.844 min
Delta R.T.: -0.003 min
Response: 540791
Conc: 21.29 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.674 min
Delta R.T.: -0.003 min
Response: 443008
Conc: 21.16 ug/ml



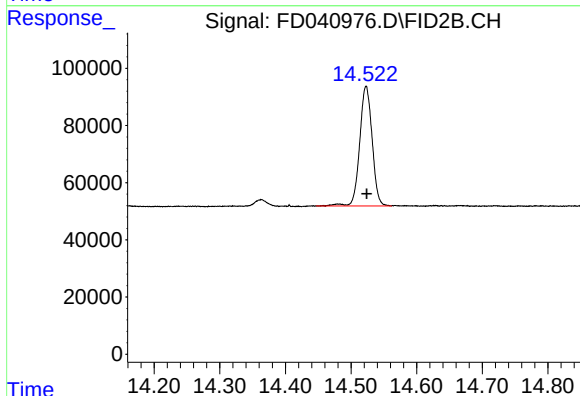
#13 n-Docosane (C22)

R.T.: 13.427 min
Delta R.T.: -0.002 min
Response: 544187
Conc: 21.74 ug/ml

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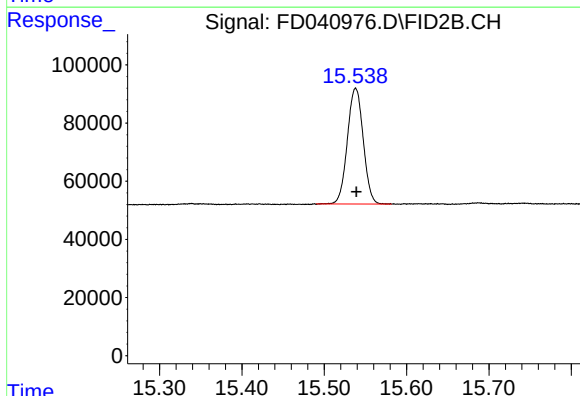
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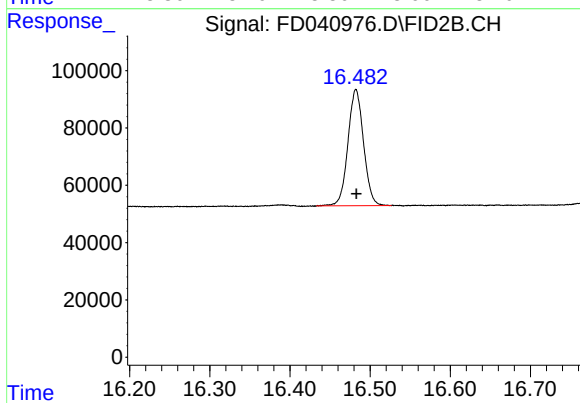
#14 n-Tetracosane (C24)

R.T.: 14.523 min
Delta R.T.: -0.001 min
Response: 549980
Conc: 22.14 ug/ml



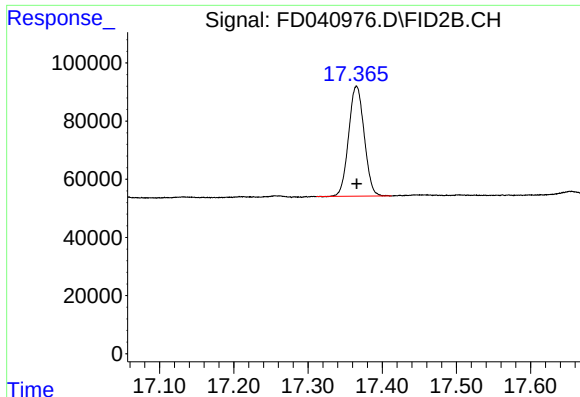
#15 n-Hexacosane (C26)

R.T.: 15.538 min
Delta R.T.: 0.000 min
Response: 532893
Conc: 21.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.482 min
Delta R.T.: 0.000 min
Response: 548755
Conc: 22.79 ug/ml



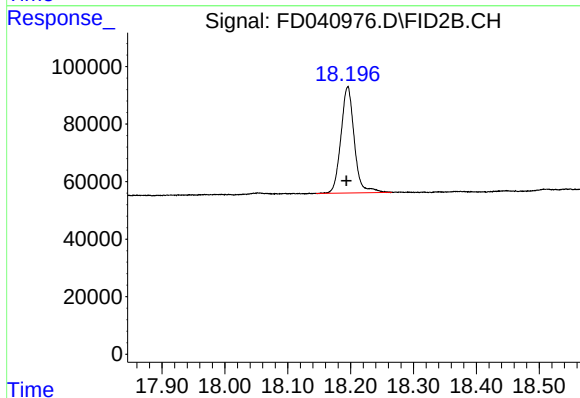
#17 n-Tricontane (C30)

R.T.: 17.365 min
Delta R.T.: 0.000 min
Response: 551584
Conc: 23.15 ug/ml

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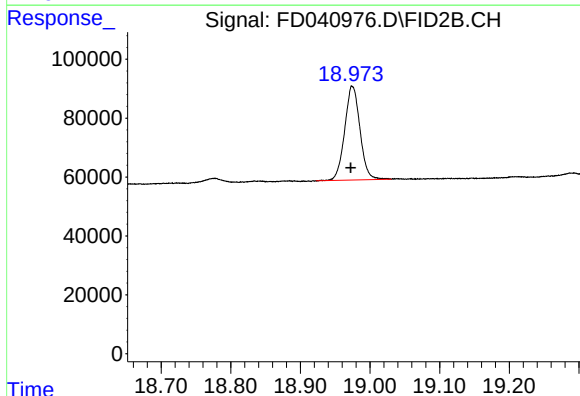
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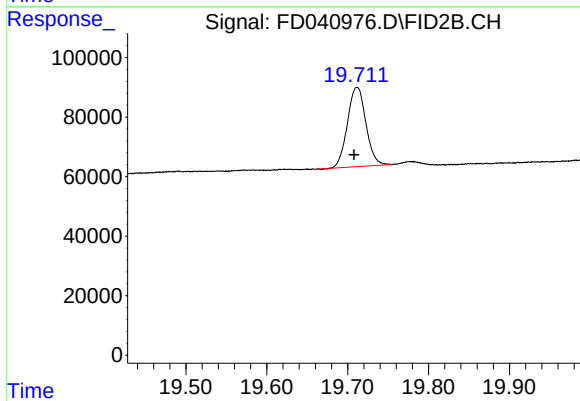
#18 n-Dotriacontane (C32)

R.T.: 18.196 min
Delta R.T.: 0.002 min
Response: 544926
Conc: 24.30 ug/ml



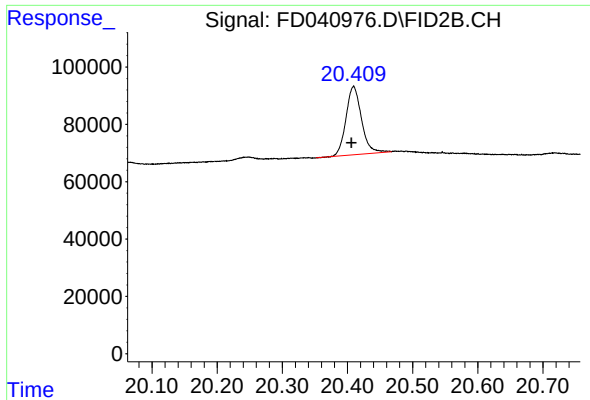
#19 n-Tetratriacontane (C34)

R.T.: 18.974 min
Delta R.T.: 0.002 min
Response: 486641
Conc: 22.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.712 min
Delta R.T.: 0.004 min
Response: 422950
Conc: 21.27 ug/ml



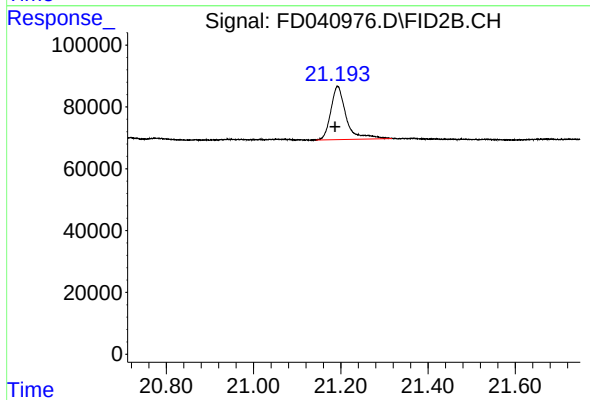
#21 n-Octatriacontane (C38)

R.T.: 20.409 min
Delta R.T.: 0.004 min
Response: 392617
Conc: 20.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.193 min
Delta R.T.: 0.006 min
Response: 422457
Conc: 21.83 ug/ml m