

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD101524AL\
 Data File : FD048532.D
 Signal(s) : FID2B.ch
 Acq On : 15 Oct 2024 17:54
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:30:55 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 101024.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 10 14:48:19 2024
 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)	11.262	3742947	18.864 ug/ml
Spiked Amount 50.000		Recovery =	37.73%
12) S 1-chlorooctadecane (S...	12.704	2843107	19.005 ug/ml
Spiked Amount 50.000		Recovery =	38.01%
Target Compounds			
1) T n-Nonane (C9)	3.124	3230878	19.237 ug/ml
2) T n-Decane (C10)	4.169	3365581	19.393 ug/ml
3) T A~Naphthalene (C11.7)	5.716	3674153	19.447 ug/ml
4) T n-Dodecane (C12)	6.162	3385473	19.337 ug/ml
5) T A~2-methylnaphthalene...	6.762	3544699	19.691 ug/ml
6) T n-Tetradecane (C14)	7.943	3342603	19.157 ug/ml
7) T n-Hexadecane (C16)	9.533	3432828	19.048 ug/ml
8) T n-Octadecane (C18)	10.966	3434754	18.920 ug/ml
10) T n-Eicosane (C20)	12.267	3291279	18.870 ug/ml
11) T n-Heneicosane (C21)	12.875	3224413	18.846 ug/ml
13) T n-Docosane (C22)	13.457	3174379	18.588 ug/ml
14) T n-Tetracosane (C24)	14.554	3119314	18.416 ug/ml
15) T n-Hexacosane (C26)	15.569	3017119	18.227 ug/ml
16) T n-Octacosane (C28)	16.515	2929922	17.796 ug/ml
17) T n-Tricontane (C30)	17.398	2983081	17.400 ug/ml
18) T n-Dotriacontane (C32)	18.225	2927256	17.495 ug/ml
19) T n-Tetratriacontane (C34)	19.003	2505048	17.363 ug/mlm
20) T n-Hexatriacontane (C36)	19.739	2146783	17.880 ug/mlm
21) T n-Octatriacontane (C38)	20.438	1996307	17.828 ug/mlm
22) T n-Tetracontane (C40)	21.218	1901442	18.994 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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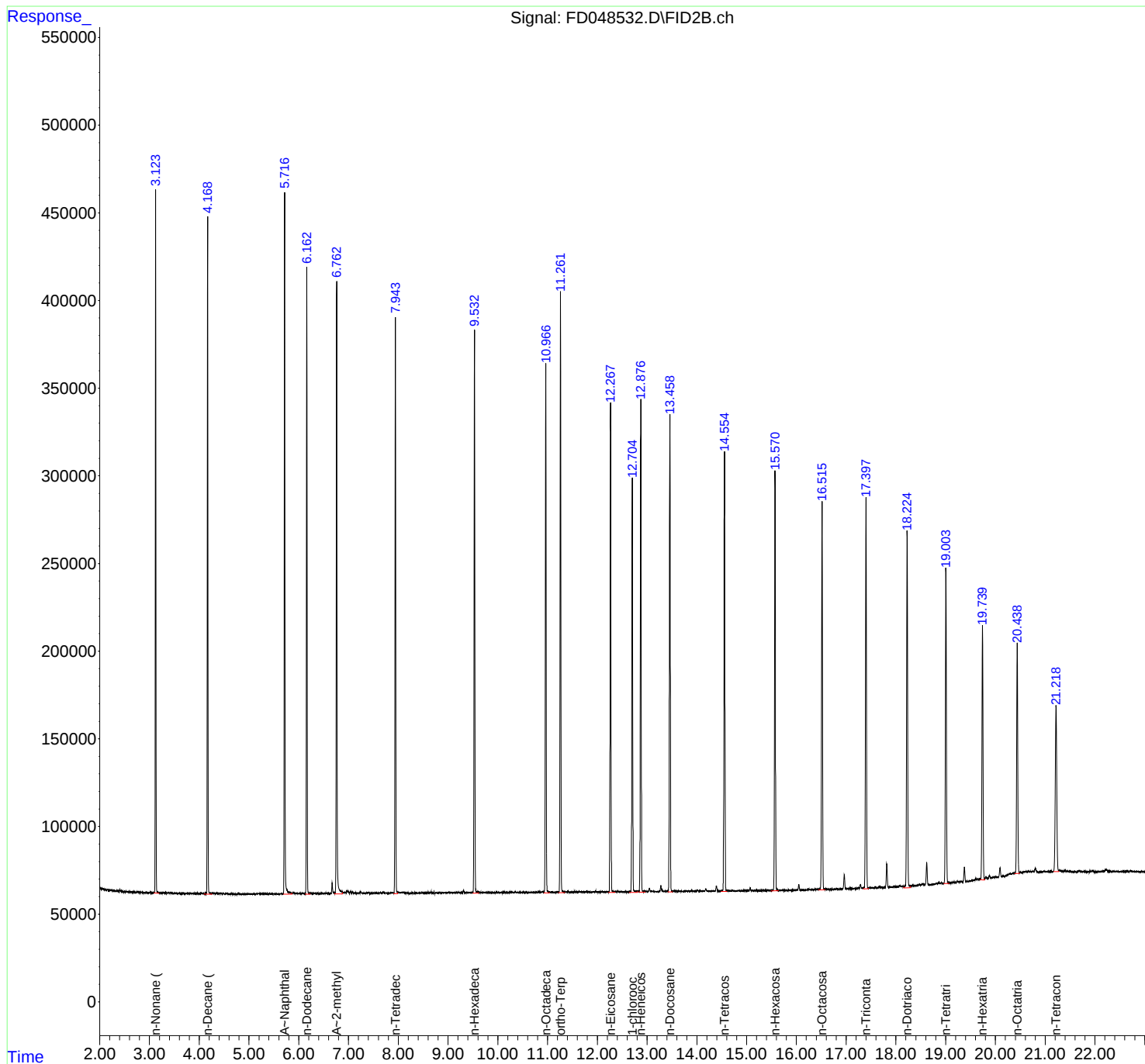
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20 PPM ALIPHATIC HC STD

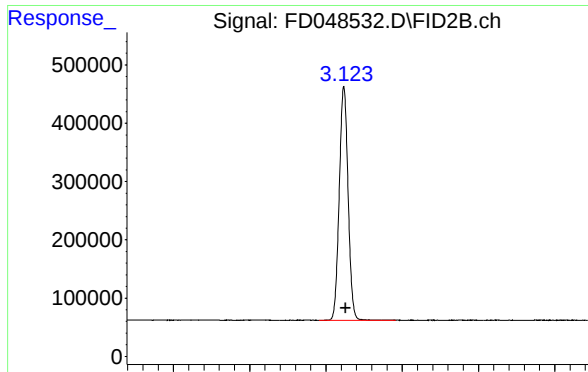
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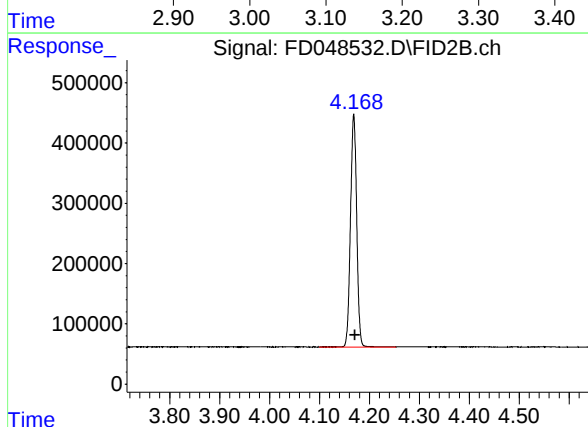
#1 n-Nonane (C9)

R.T.: 3.124 min
Delta R.T.: -0.002 min
Response: 3230878
Conc: 19.24 ug/ml

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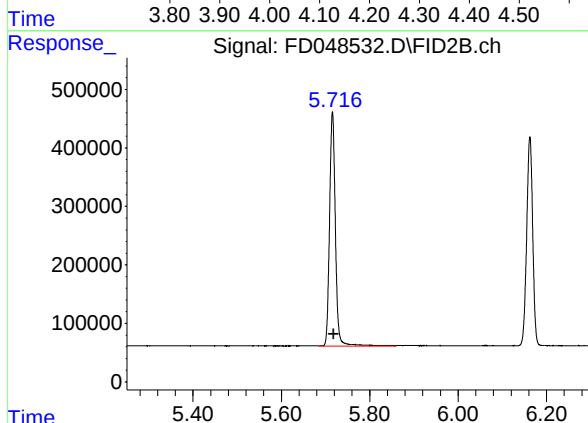
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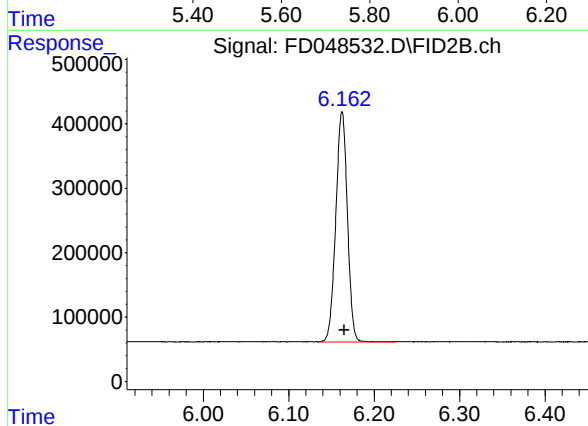
#2 n-Decane (C10)

R.T.: 4.169 min
Delta R.T.: -0.003 min
Response: 3365581
Conc: 19.39 ug/ml



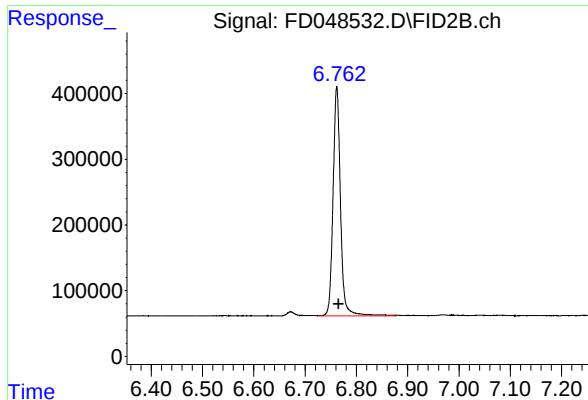
#3 A~Naphthalene (C11.7)

R.T.: 5.716 min
Delta R.T.: -0.003 min
Response: 3674153
Conc: 19.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.162 min
Delta R.T.: -0.002 min
Response: 3385473
Conc: 19.34 ug/ml



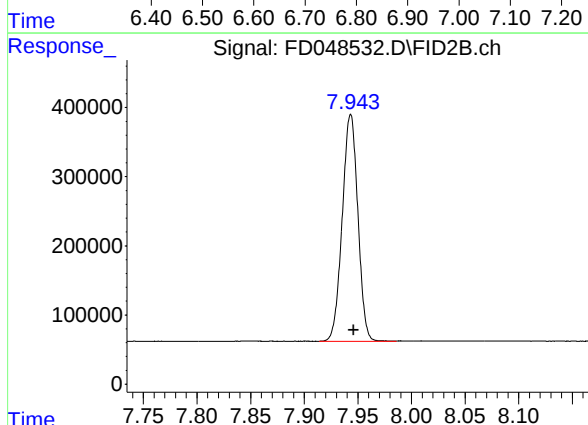
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.762 min
Delta R.T.: -0.003 min
Response: 3544699
Conc: 19.69 ug/ml

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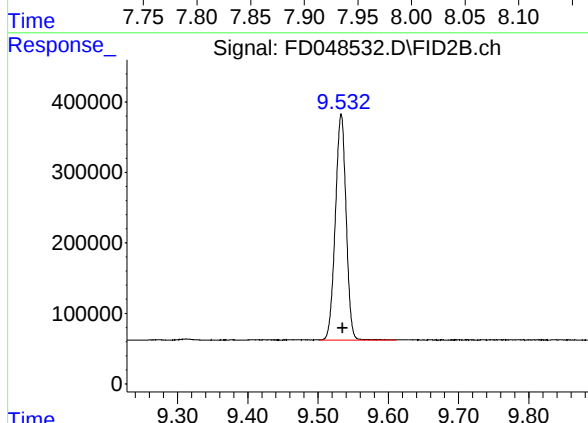
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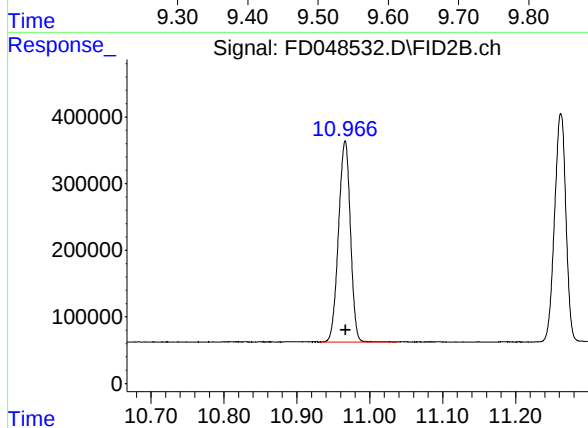
#6 n-Tetradecane (C14)

R.T.: 7.943 min
Delta R.T.: -0.003 min
Response: 3342603
Conc: 19.16 ug/ml



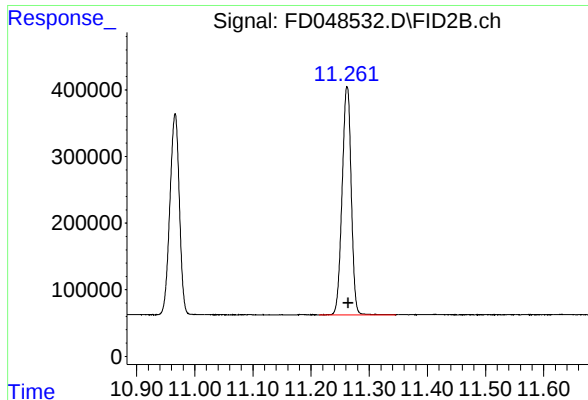
#7 n-Hexadecane (C16)

R.T.: 9.533 min
Delta R.T.: -0.002 min
Response: 3432828
Conc: 19.05 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.966 min
Delta R.T.: 0.000 min
Response: 3434754
Conc: 18.92 ug/ml



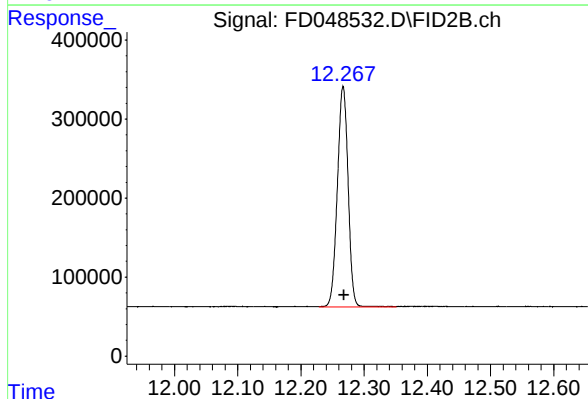
#9 ortho-Terphenyl (SURR)

R.T.: 11.262 min
Delta R.T.: -0.002 min
Response: 3742947
Conc: 18.86 ug/ml

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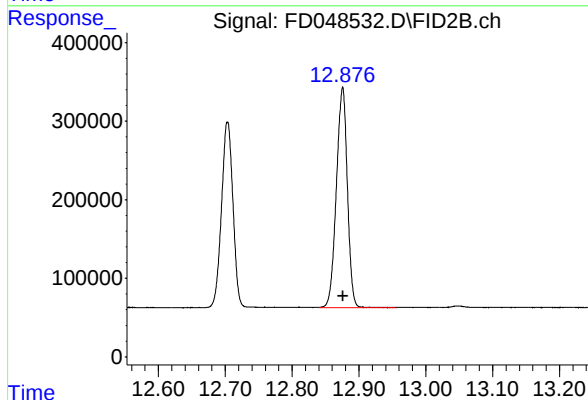
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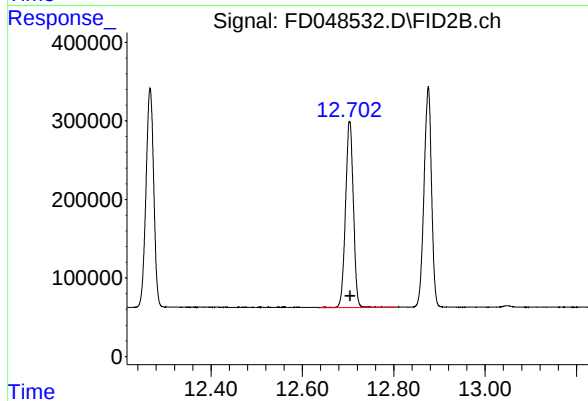
#10 n-Eicosane (C20)

R.T.: 12.267 min
Delta R.T.: -0.001 min
Response: 3291279
Conc: 18.87 ug/ml



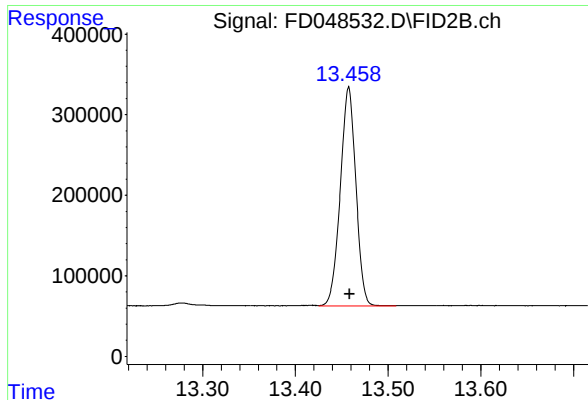
#11 n-Heneicosane (C21)

R.T.: 12.875 min
Delta R.T.: 0.000 min
Response: 3224413
Conc: 18.85 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.704 min
Delta R.T.: -0.002 min
Response: 2843107
Conc: 19.01 ug/ml



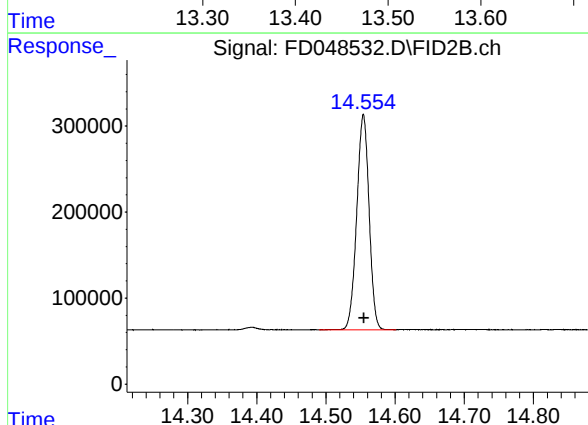
#13 n-Docosane (C22)

R.T.: 13.457 min
Delta R.T.: -0.001 min
Response: 3174379
Conc: 18.59 ug/ml

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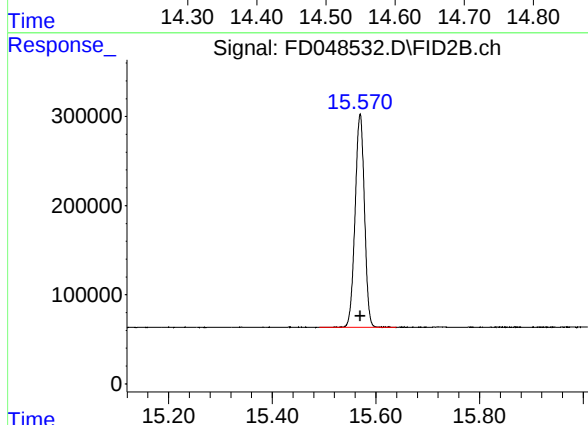
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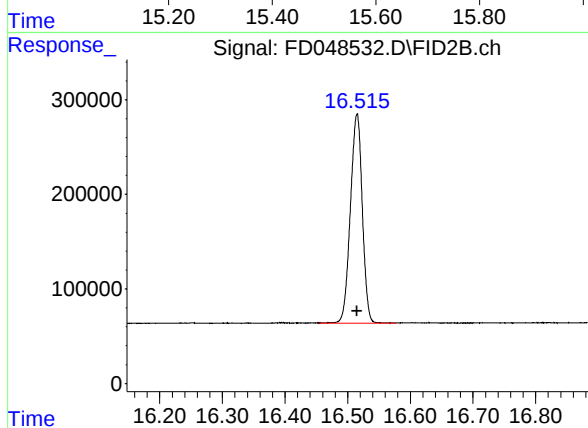
#14 n-Tetracosane (C24)

R.T.: 14.554 min
Delta R.T.: 0.000 min
Response: 3119314
Conc: 18.42 ug/ml



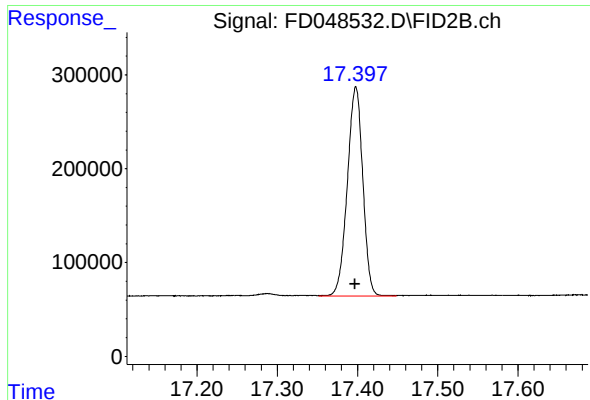
#15 n-Hexacosane (C26)

R.T.: 15.569 min
Delta R.T.: 0.000 min
Response: 3017119
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.515 min
Delta R.T.: 0.000 min
Response: 2929922
Conc: 17.80 ug/ml



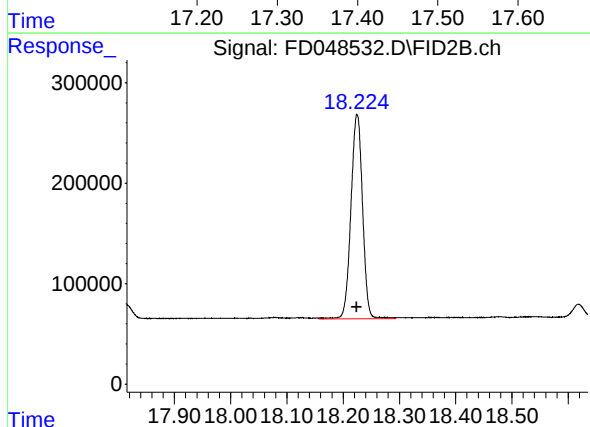
#17 n-Tricontane (C30)

R.T.: 17.398 min
Delta R.T.: 0.001 min
Response: 2983081
Conc: 17.40 ug/ml

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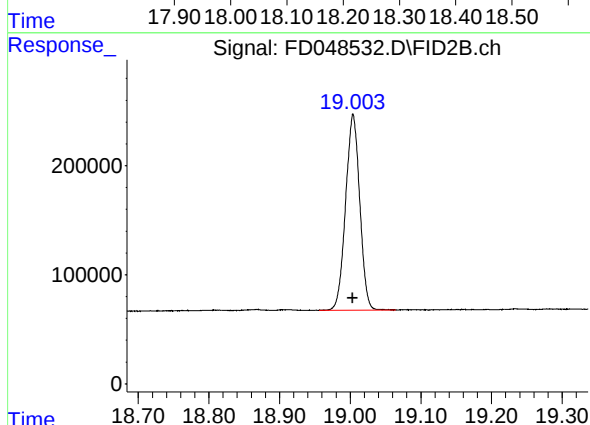
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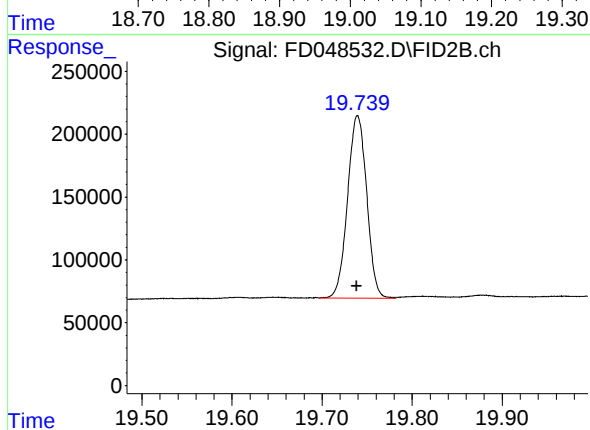
#18 n-Dotriacontane (C32)

R.T.: 18.225 min
Delta R.T.: 0.001 min
Response: 2927256
Conc: 17.50 ug/ml



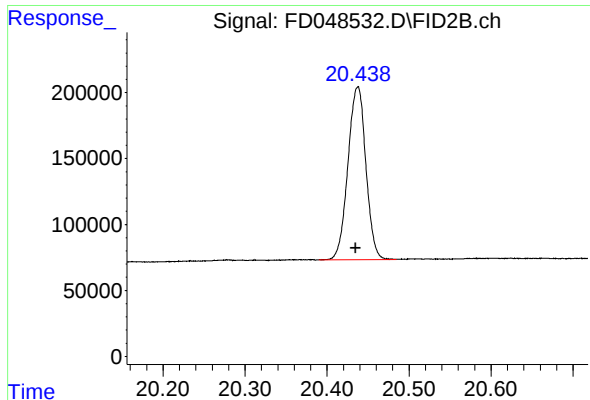
#19 n-Tetratriacontane (C34)

R.T.: 19.003 min
Delta R.T.: 0.000 min
Response: 2505048
Conc: 17.36 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.739 min
Delta R.T.: 0.000 min
Response: 2146783
Conc: 17.88 ug/ml m



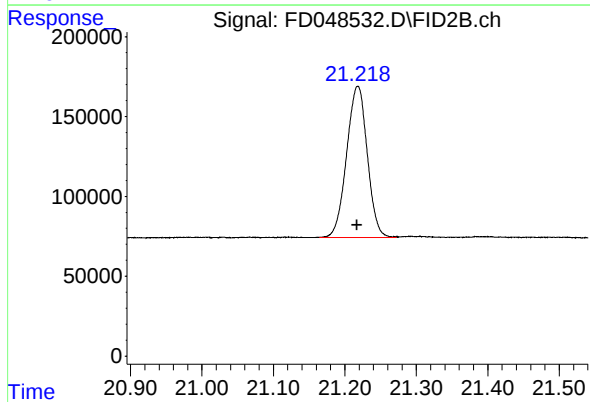
#21 n-Octatriacontane (C38)

R.T.: 20.438 min
Delta R.T.: 0.003 min
Response: 1996307
Conc: 17.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.218 min
Delta R.T.: 0.001 min
Response: 1901442
Conc: 18.99 ug/ml m