

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020125AL\
 Data File : FF015427.D
 Signal(s) : FID2B.ch
 Acq On : 31 Jan 2025 21:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/03/2025
 Supervised By :Ankita Jodhani 02/03/2025

Integration File: sample.E
 Quant Time: Jan 31 23:25:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 2025
 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)	11.935	2889593	18.175 ug/ml
Spiked Amount 50.000		Recovery =	36.35%
12) S 1-chlorooctadecane (S...	13.373	2213219	17.753 ug/ml
Spiked Amount 50.000		Recovery =	35.51%
Target Compounds			
1) T n-Nonane (C9)	3.317	2545870	19.394 ug/ml
2) T n-Decane (C10)	4.571	2626911	19.639 ug/ml
3) T A~Naphthalene (C11.7)	6.274	2829746	19.456 ug/ml
4) T n-Dodecane (C12)	6.736	2691716	19.961 ug/ml
5) T A~2-methylnaphthalene...	7.370	2746259	19.517 ug/ml
6) T n-Tetradecane (C14)	8.563	2699073	19.977 ug/ml
7) T n-Hexadecane (C16)	10.171	2786795	19.667 ug/ml
8) T n-Octadecane (C18)	11.616	2787368	19.033 ug/ml
10) T n-Eicosane (C20)	12.927	2632036	18.255 ug/ml
11) T n-Heneicosane (C21)	13.540	2557119	17.914 ug/ml
13) T n-Docosane (C22)	14.127	2517363	17.563 ug/mlm
14) T n-Tetracosane (C24)	15.233	2455805	16.929 ug/ml
15) T n-Hexacosane (C26)	16.257	2364630	16.639 ug/ml
16) T n-Octacosane (C28)	17.210	2370589	17.036 ug/mlm
17) T n-Tricontane (C30)	18.098	2524830	18.129 ug/mlm
18) T n-Dotriacontane (C32)	18.931	2511123	19.252 ug/mlm
19) T n-Tetratriacontane (C34)	19.718	2197089	20.211 ug/mlm
20) T n-Hexatriacontane (C36)	20.458	1868773	21.247 ug/mlm
21) T n-Octatriacontane (C38)	21.198	1835976	22.278 ug/mlm
22) T n-Tetracontane (C40)	22.119	1772595	22.342 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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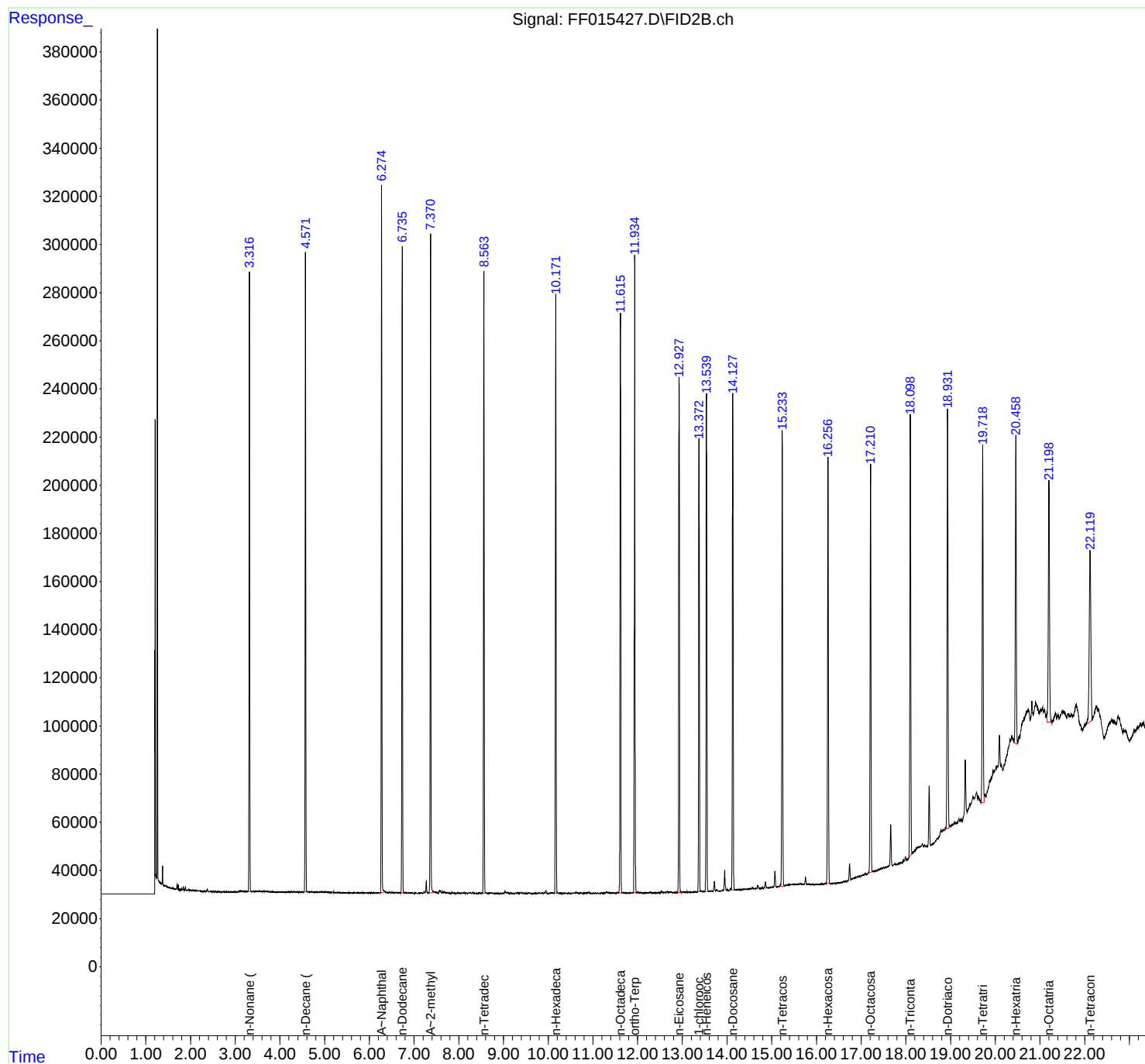
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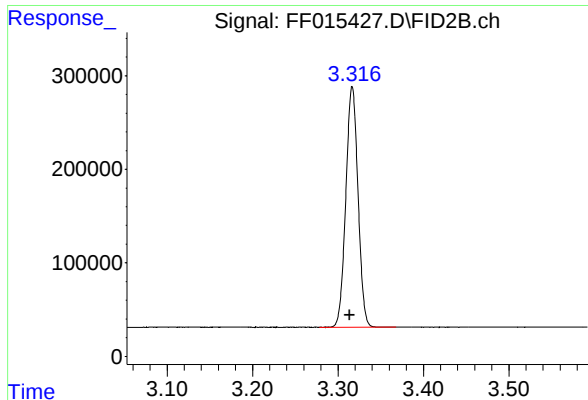
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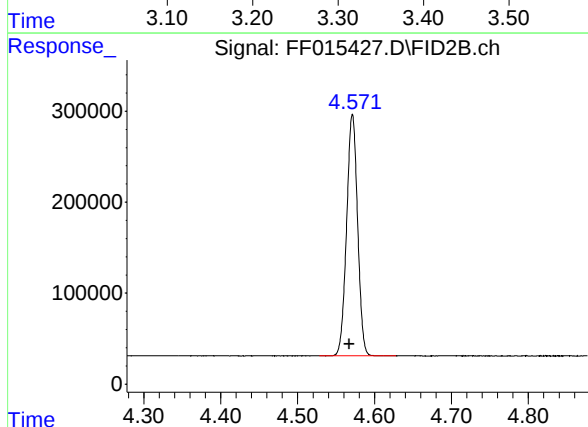
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: 0.003 min
Response: 2545870
Conc: 19.39 ug/ml

Instrument : FID_F
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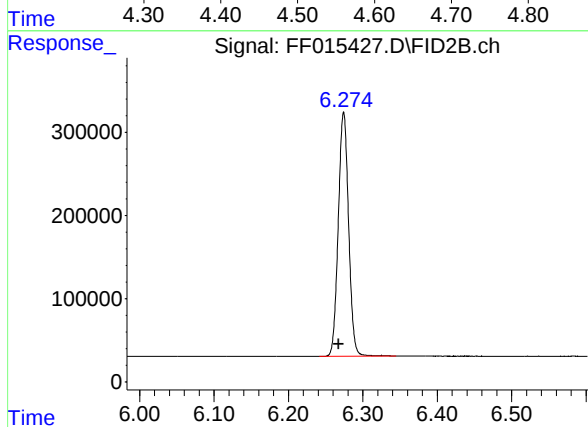
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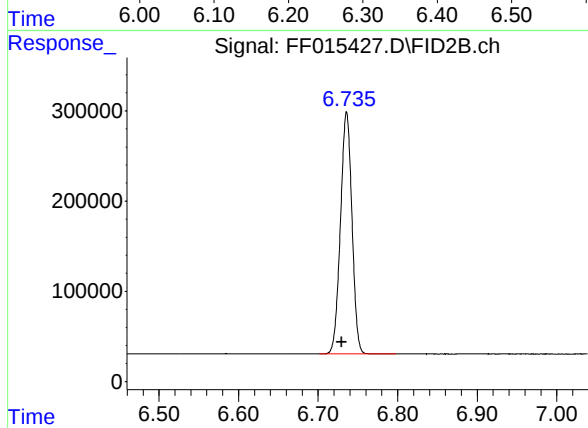
#2 n-Decane (C10)

R.T.: 4.571 min
Delta R.T.: 0.004 min
Response: 2626911
Conc: 19.64 ug/ml



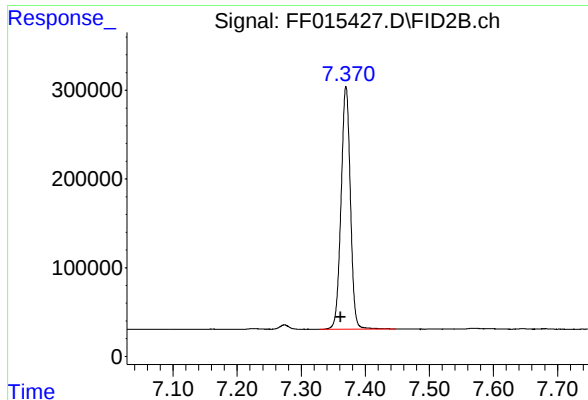
#3 A~Naphthalene (C11.7)

R.T.: 6.274 min
Delta R.T.: 0.007 min
Response: 2829746
Conc: 19.46 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: 0.006 min
Response: 2691716
Conc: 19.96 ug/ml



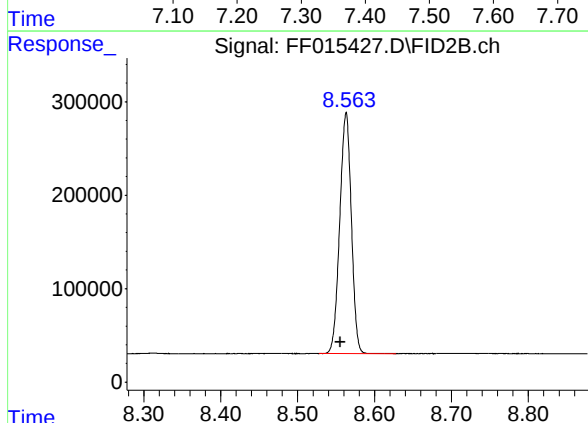
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.009 min
Response: 2746259
Conc: 19.52 ug/ml

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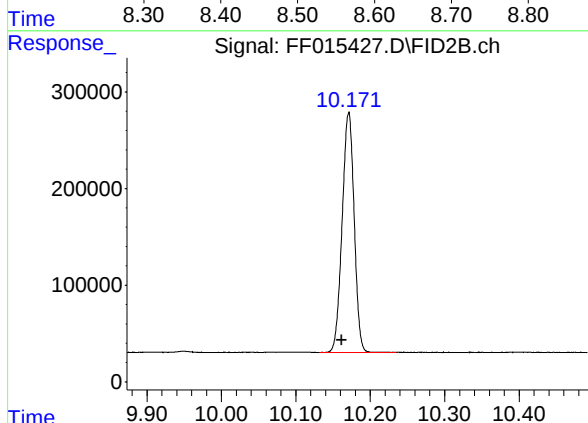
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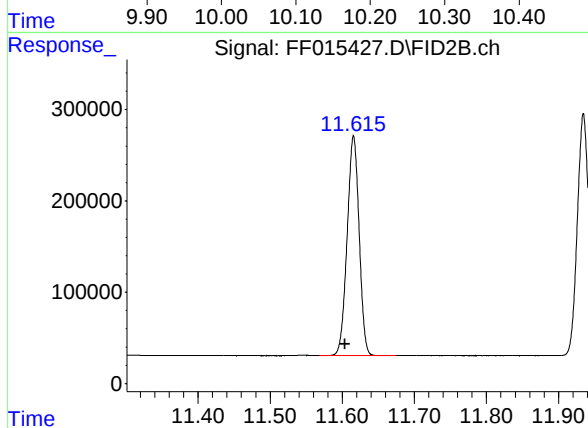
#6 n-Tetradecane (C14)

R.T.: 8.563 min
Delta R.T.: 0.008 min
Response: 2699073
Conc: 19.98 ug/ml



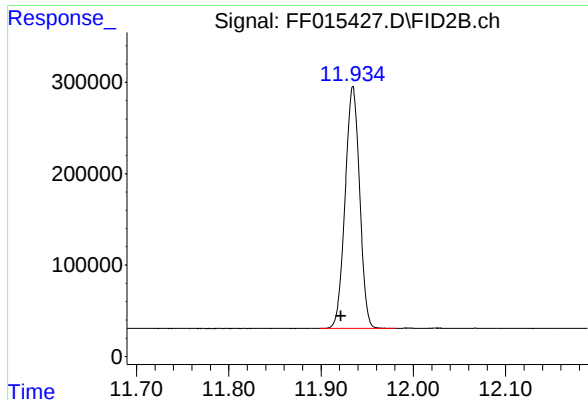
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: 0.010 min
Response: 2786795
Conc: 19.67 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.616 min
Delta R.T.: 0.012 min
Response: 2787368
Conc: 19.03 ug/ml



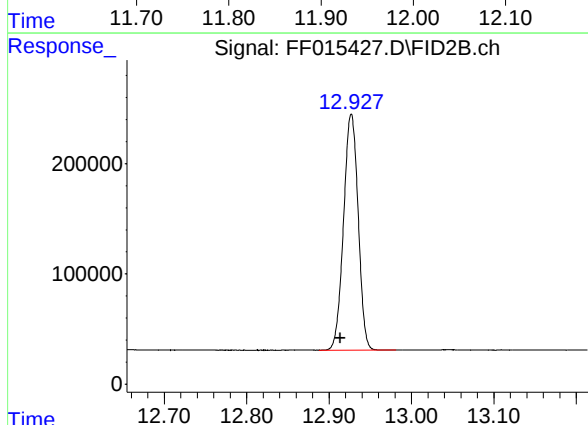
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.013 min
Response: 2889593
Conc: 18.17 ug/ml

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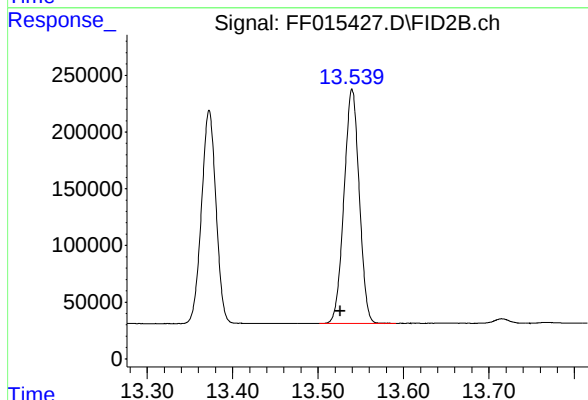
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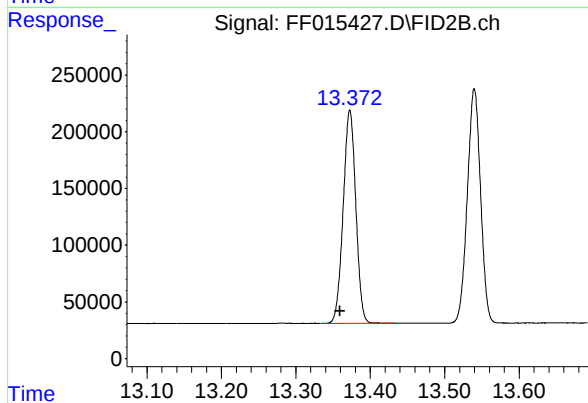
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: 0.013 min
Response: 2632036
Conc: 18.26 ug/ml



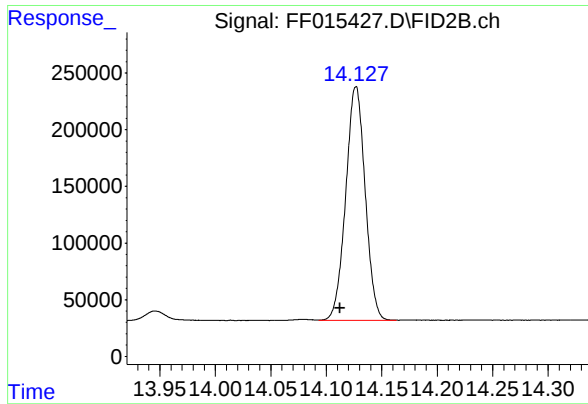
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: 0.014 min
Response: 2557119
Conc: 17.91 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.013 min
Response: 2213219
Conc: 17.75 ug/ml



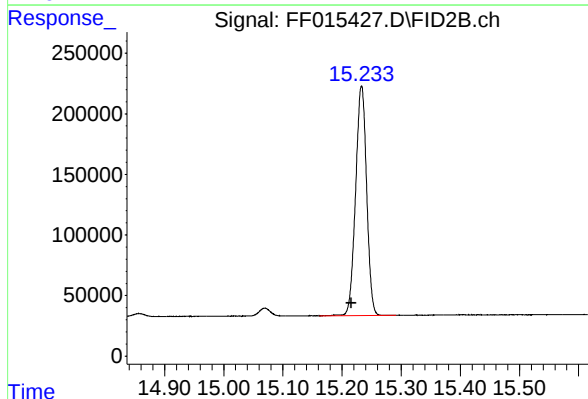
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: 0.015 min
Response: 2517363
Conc: 17.56 ug/ml

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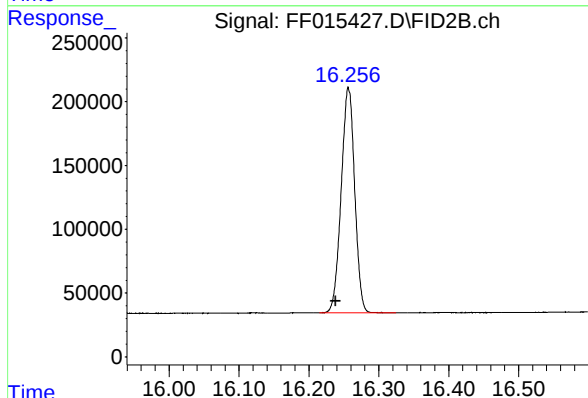
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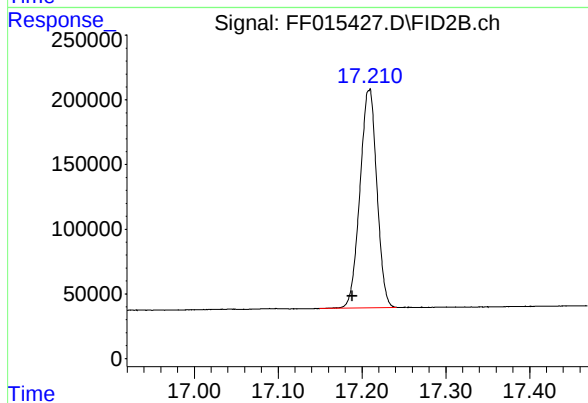
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: 0.017 min
Response: 2455805
Conc: 16.93 ug/ml



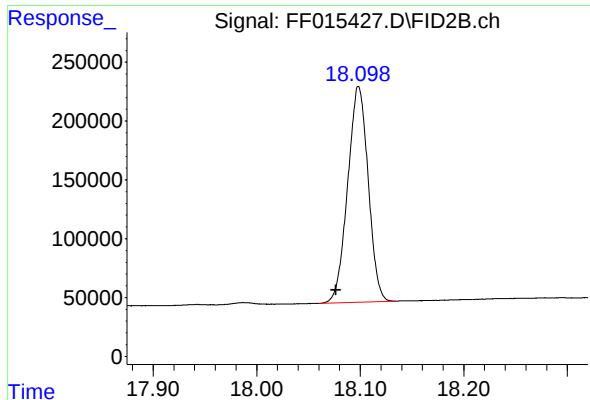
#15 n-Hexacosane (C26)

R.T.: 16.257 min
Delta R.T.: 0.018 min
Response: 2364630
Conc: 16.64 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.210 min
Delta R.T.: 0.021 min
Response: 2370589
Conc: 17.04 ug/ml m



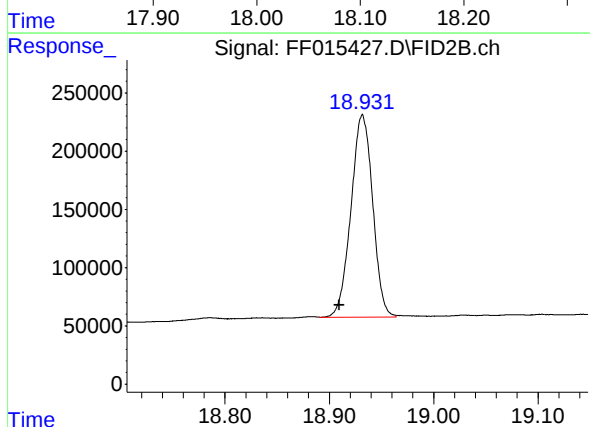
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: 0.021 min
Response: 2524830
Conc: 18.13 ug/ml

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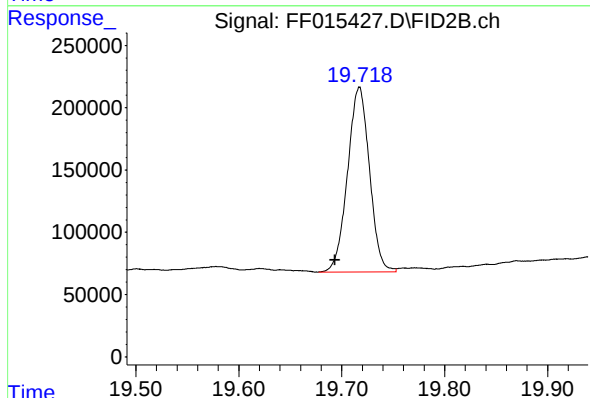
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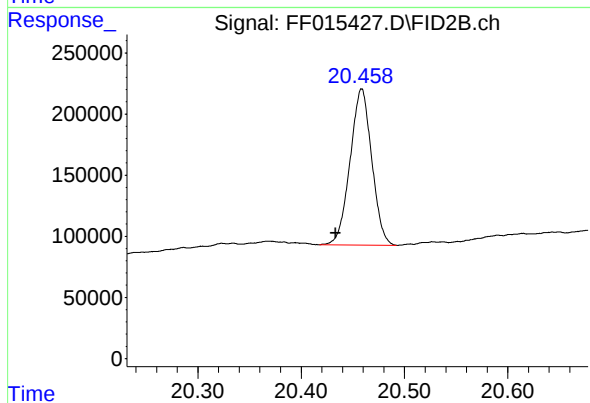
#18 n-Dotriacontane (C32)

R.T.: 18.931 min
Delta R.T.: 0.022 min
Response: 2511123
Conc: 19.25 ug/ml m



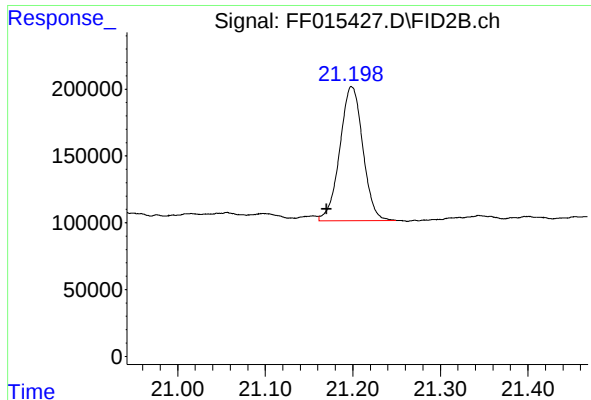
#19 n-Tetratriacontane (C34)

R.T.: 19.718 min
Delta R.T.: 0.024 min
Response: 2197089
Conc: 20.21 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.458 min
Delta R.T.: 0.024 min
Response: 1868773
Conc: 21.25 ug/ml m



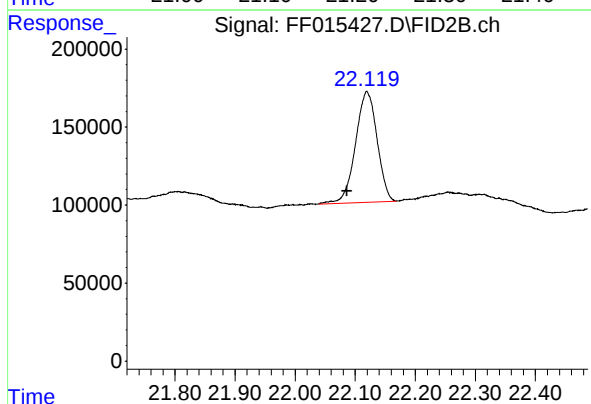
#21 n-Octatriacontane (C38)

R.T.: 21.198 min
Delta R.T.: 0.028 min
Response: 1835976
Conc: 22.28 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.119 min
Delta R.T.: 0.033 min
Response: 1772595
Conc: 22.34 ug/ml m