

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012825AL\
 Data File : FF015343.D
 Signal(s) : FID2B.ch
 Acq On : 29 Jan 2025 00:53
 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 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 05:14:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 11:45:29 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)	11.928	3123750	19.980 ug/ml
Spiked Amount 50.000		Recovery =	39.96%
12) S 1-chlorooctadecane (S...	13.366	2408279	19.779 ug/ml
Spiked Amount 50.000		Recovery =	39.56%
Target Compounds			
1) T n-Nonane (C9)	3.314	2655815	20.455 ug/ml
2) T n-Decane (C10)	4.568	2715318	20.433 ug/ml
3) T A~Naphthalene (C11.7)	6.269	2924119	20.023 ug/ml
4) T n-Dodecane (C12)	6.732	2772022	20.391 ug/ml
5) T A~2-methylnaphthalene...	7.364	2813768	19.710 ug/ml
6) T n-Tetradecane (C14)	8.558	2777278	20.195 ug/ml
7) T n-Hexadecane (C16)	10.165	2899402	20.010 ug/ml
8) T n-Octadecane (C18)	11.609	2959901	19.915 ug/ml
10) T n-Eicosane (C20)	12.920	2853647	19.881 ug/ml
11) T n-Heneicosane (C21)	13.533	2798575	19.793 ug/ml
13) T n-Docosane (C22)	14.120	2776531	19.748 ug/ml
14) T n-Tetracosane (C24)	15.225	2707387	19.452 ug/ml
15) T n-Hexacosane (C26)	16.247	2597125	19.174 ug/ml
16) T n-Octacosane (C28)	17.199	2529702	19.223 ug/ml
17) T n-Tricontane (C30)	18.088	2606305	19.647 ug/ml
18) T n-Dotriacontane (C32)	18.923	2504818	19.860 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2155056	19.792 ug/mlm
20) T n-Hexatriacontane (C36)	20.448	1830157	19.603 ug/mlm
21) T n-Octatriacontane (C38)	21.188	1699647	19.368 ug/mlm
22) T n-Tetracontane (C40)	22.107	1634288	19.281 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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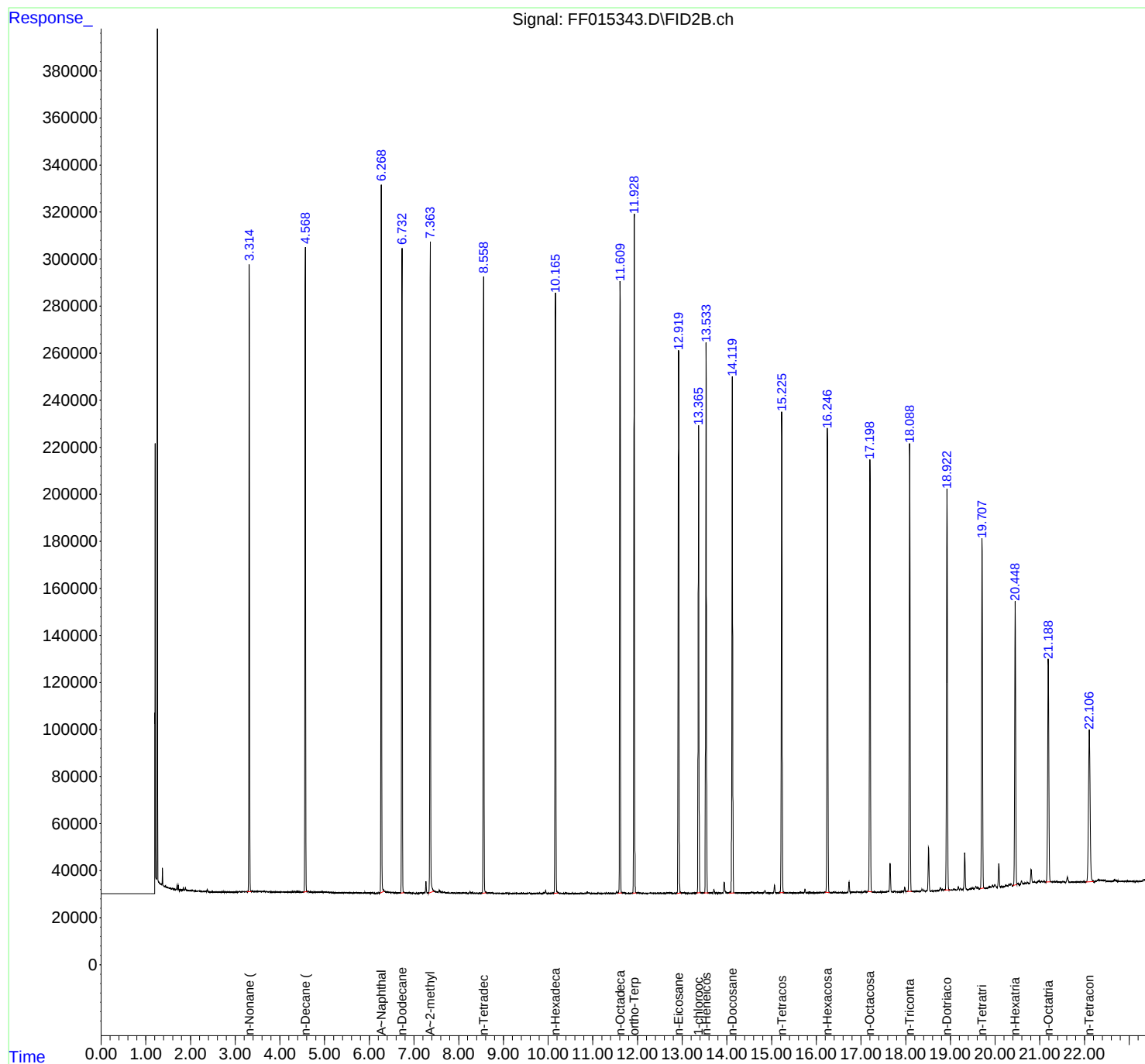
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20 PPM ALIPHATIC HC STD

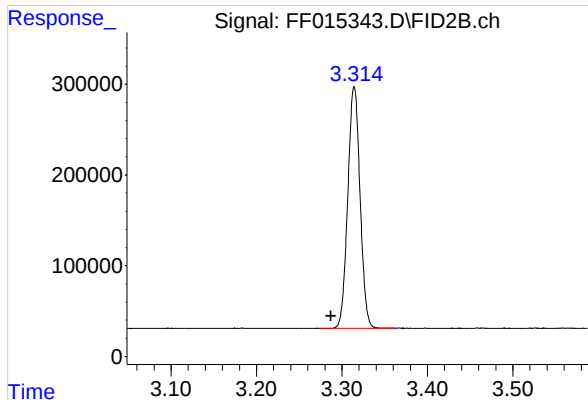
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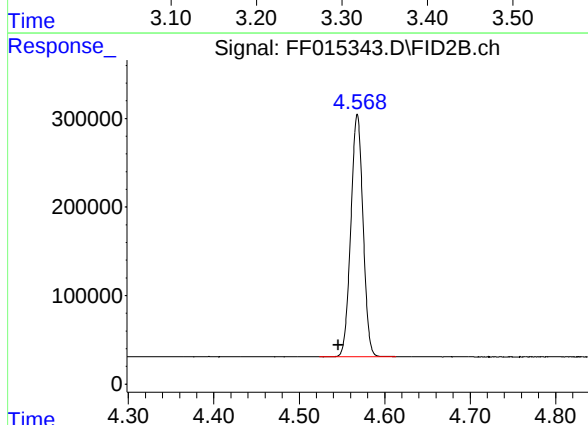
#1 n-Nonane (C9)

R.T.: 3.314 min
Delta R.T.: 0.027 min
Response: 2655815
Conc: 20.46 ug/ml

Instrument : FID_F
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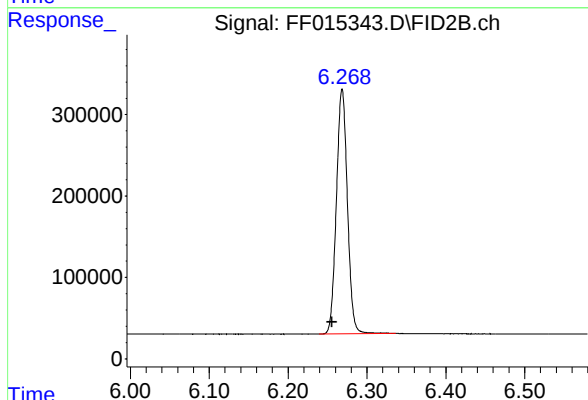
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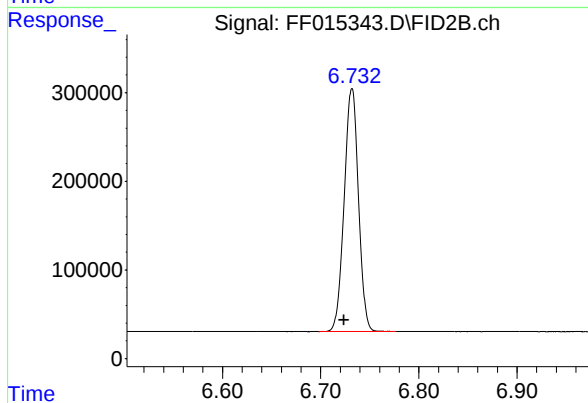
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: 0.022 min
Response: 2715318
Conc: 20.43 ug/ml



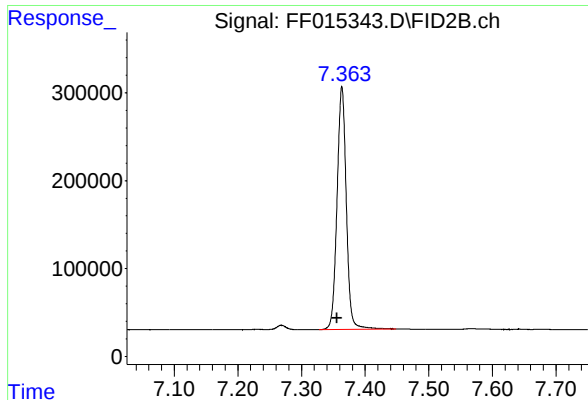
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: 0.013 min
Response: 2924119
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: 0.008 min
Response: 2772022
Conc: 20.39 ug/ml



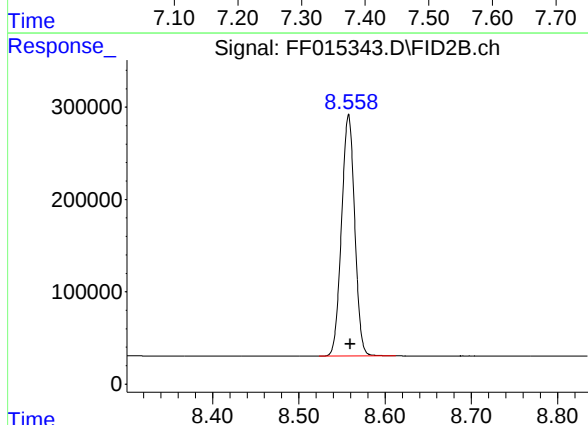
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.364 min
Delta R.T.: 0.008 min
Response: 2813768
Conc: 19.71 ug/ml

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20 PPM ALIPHATIC HC STD

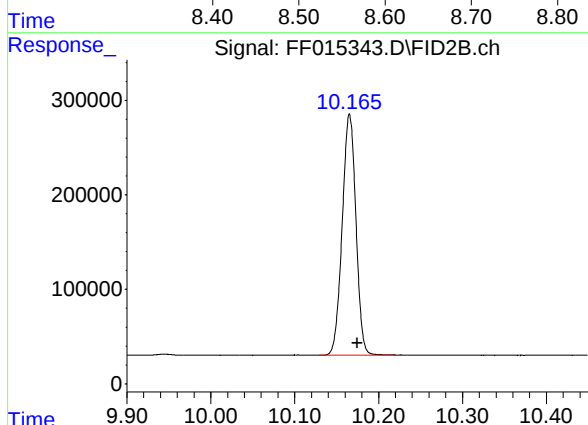
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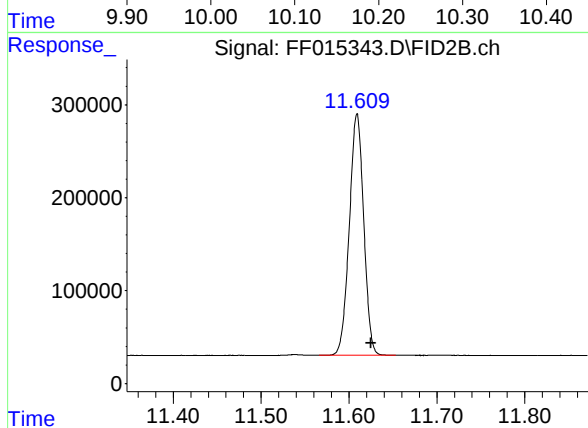
#6 n-Tetradecane (C14)

R.T.: 8.558 min
Delta R.T.: -0.002 min
Response: 2777278
Conc: 20.19 ug/ml



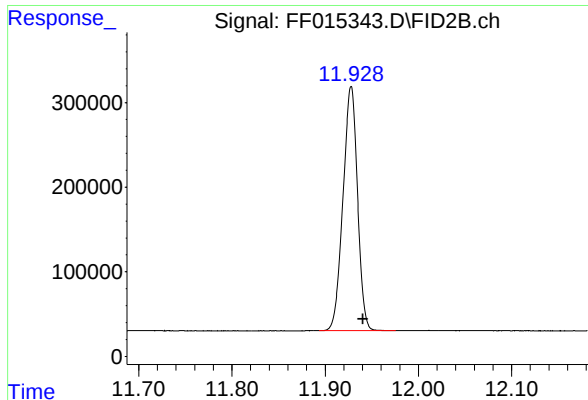
#7 n-Hexadecane (C16)

R.T.: 10.165 min
Delta R.T.: -0.009 min
Response: 2899402
Conc: 20.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.609 min
Delta R.T.: -0.016 min
Response: 2959901
Conc: 19.91 ug/ml



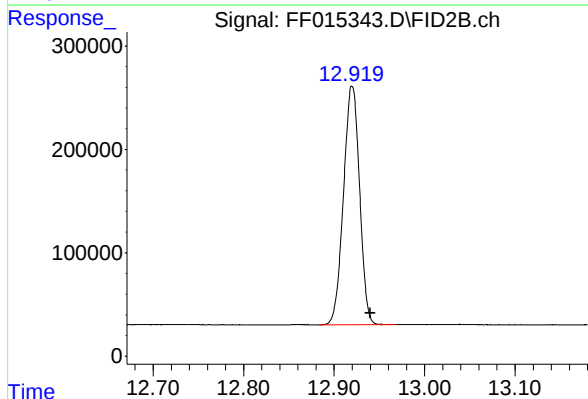
#9 ortho-Terphenyl (SURR)

R.T.: 11.928 min
Delta R.T.: -0.012 min
Response: 3123750
Conc: 19.98 ug/ml

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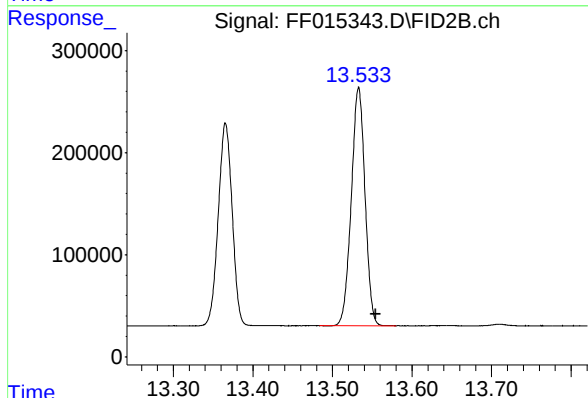
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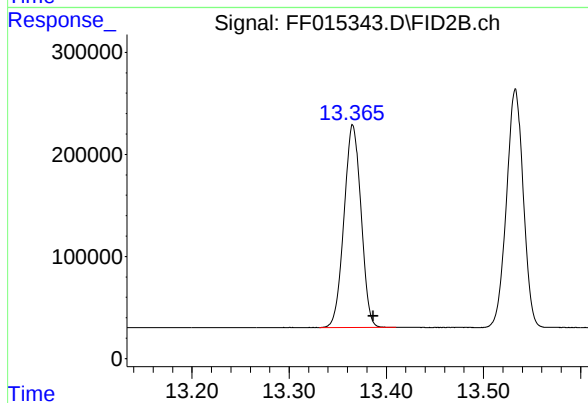
#10 n-Eicosane (C20)

R.T.: 12.920 min
Delta R.T.: -0.020 min
Response: 2853647
Conc: 19.88 ug/ml



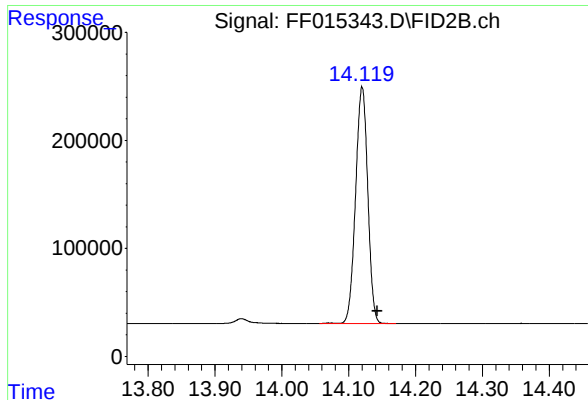
#11 n-Heneicosane (C21)

R.T.: 13.533 min
Delta R.T.: -0.022 min
Response: 2798575
Conc: 19.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.366 min
Delta R.T.: -0.021 min
Response: 2408279
Conc: 19.78 ug/ml



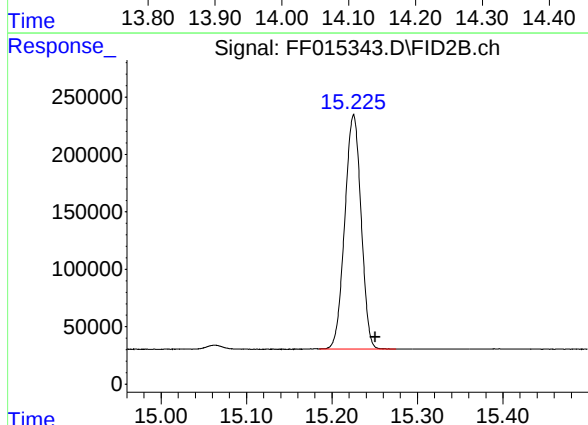
#13 n-Docosane (C22)

R.T.: 14.120 min
Delta R.T.: -0.022 min
Response: 2776531
Conc: 19.75 ug/ml

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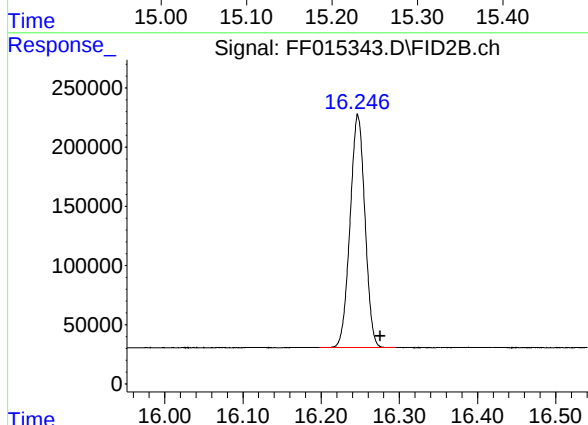
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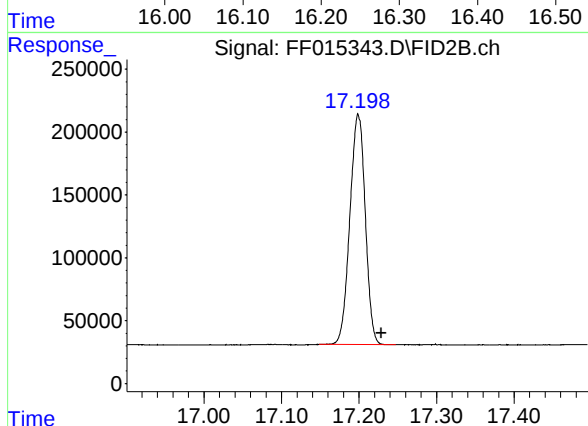
#14 n-Tetracosane (C24)

R.T.: 15.225 min
Delta R.T.: -0.025 min
Response: 2707387
Conc: 19.45 ug/ml



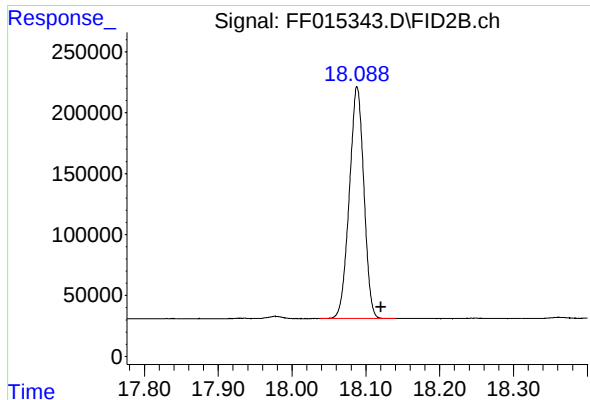
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.029 min
Response: 2597125
Conc: 19.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.030 min
Response: 2529702
Conc: 19.22 ug/ml



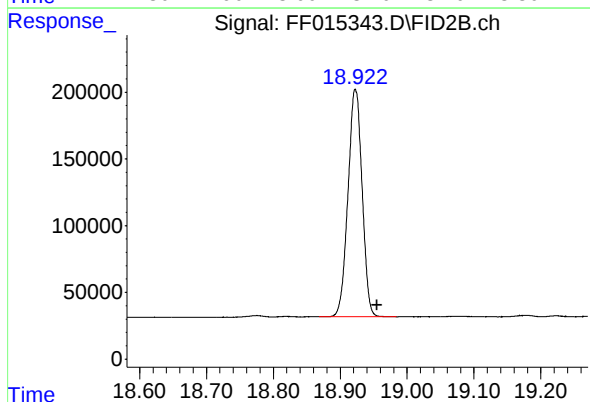
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.032 min
Response: 2606305
Conc: 19.65 ug/ml

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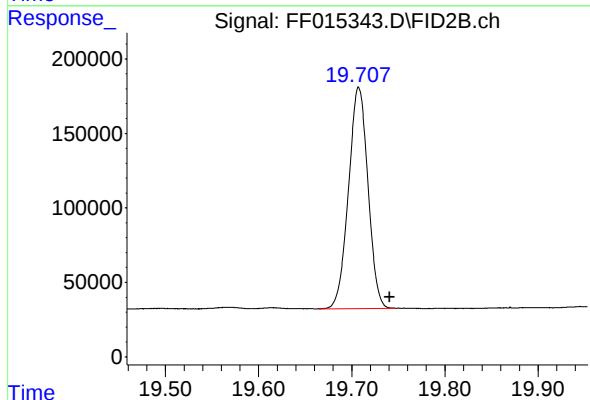
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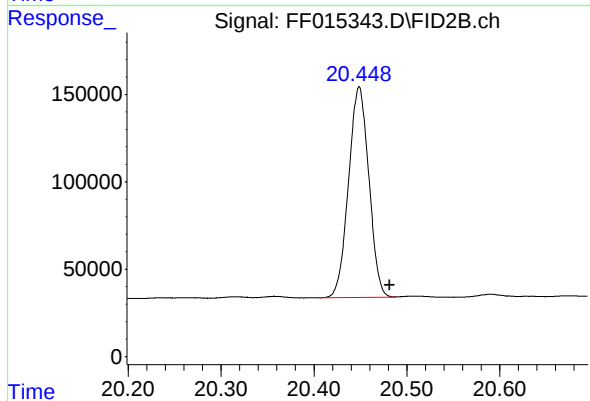
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.032 min
Response: 2504818
Conc: 19.86 ug/ml



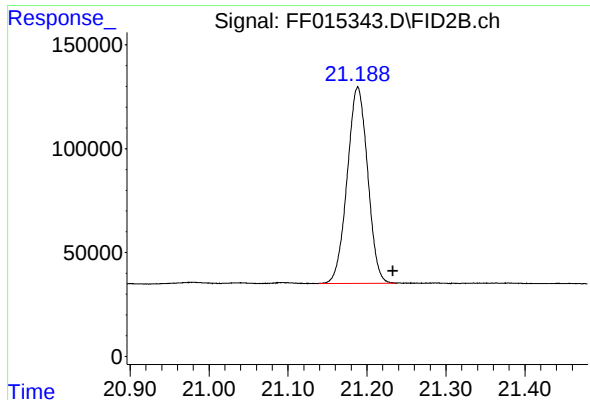
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.034 min
Response: 2155056
Conc: 19.79 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.448 min
Delta R.T.: -0.033 min
Response: 1830157
Conc: 19.60 ug/ml m



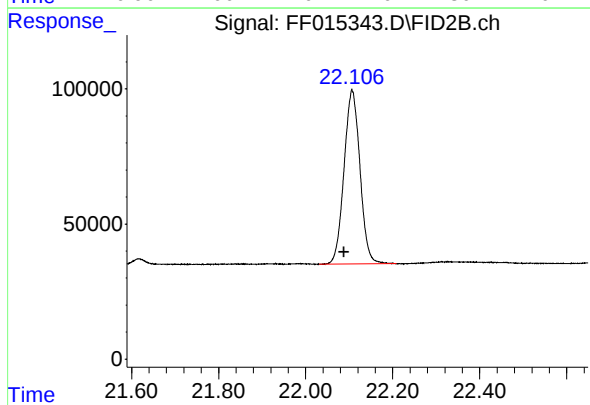
#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: -0.045 min
Response: 1699647
Conc: 19.37 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.107 min
Delta R.T.: 0.019 min
Response: 1634288
Conc: 19.28 ug/ml