

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101123AL\
 Data File : FE044778.D
 Signal(s) : FID1B.ch
 Acq On : 11 Oct 2023 13:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/12/2023
 Supervised By :Ankita Jodhani 10/12/2023

Integration File: sample.E
 Quant Time: Oct 12 00:37:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092523.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 25 11:06:21 2023
 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)	11.911	3338574	17.783 ug/ml
Spiked Amount 50.000		Recovery =	35.57%
12) S 1-chlorooctadecane (S...	13.353	2436360	17.909 ug/ml
Spiked Amount 50.000		Recovery =	35.82%
Target Compounds			
1) T n-Nonane (C9)	3.296	2701557	16.640 ug/ml
2) T n-Decane (C10)	4.547	2844052	17.175 ug/ml
3) T A~Naphthalene (C11.7)	6.248	3089138	17.278 ug/ml
4) T n-Dodecane (C12)	6.713	2882602	17.330 ug/ml
5) T A~2-methylnaphthalene...	7.344	2970190	17.361 ug/ml
6) T n-Tetradecane (C14)	8.540	2873154	17.501 ug/ml
7) T n-Hexadecane (C16)	10.150	2976975	17.573 ug/ml
8) T n-Octadecane (C18)	11.596	3006279	17.706 ug/ml
10) T n-Eicosane (C20)	12.909	2854716	17.743 ug/ml
11) T n-Heneicosane (C21)	13.521	2771535	17.700 ug/ml
13) T n-Docosane (C22)	14.108	2759299	17.891 ug/ml
14) T n-Tetracosane (C24)	15.213	2751805	18.204 ug/ml
15) T n-Hexacosane (C26)	16.237	2700453	18.358 ug/ml
16) T n-Octacosane (C28)	17.188	2813847	19.619 ug/ml
17) T n-Tricontane (C30)	18.079	3138476	21.173 ug/ml
18) T n-Dotriacontane (C32)	18.913	3275535	22.127 ug/ml
19) T n-Tetratriacontane (C34)	19.697	3125632	21.388 ug/ml
20) T n-Hexatriacontane (C36)	20.438	2913510	20.086 ug/ml
21) T n-Octatriacontane (C38)	21.178	2871789	19.172 ug/mlm
22) T n-Tetracontane (C40)	22.100	2894820	18.344 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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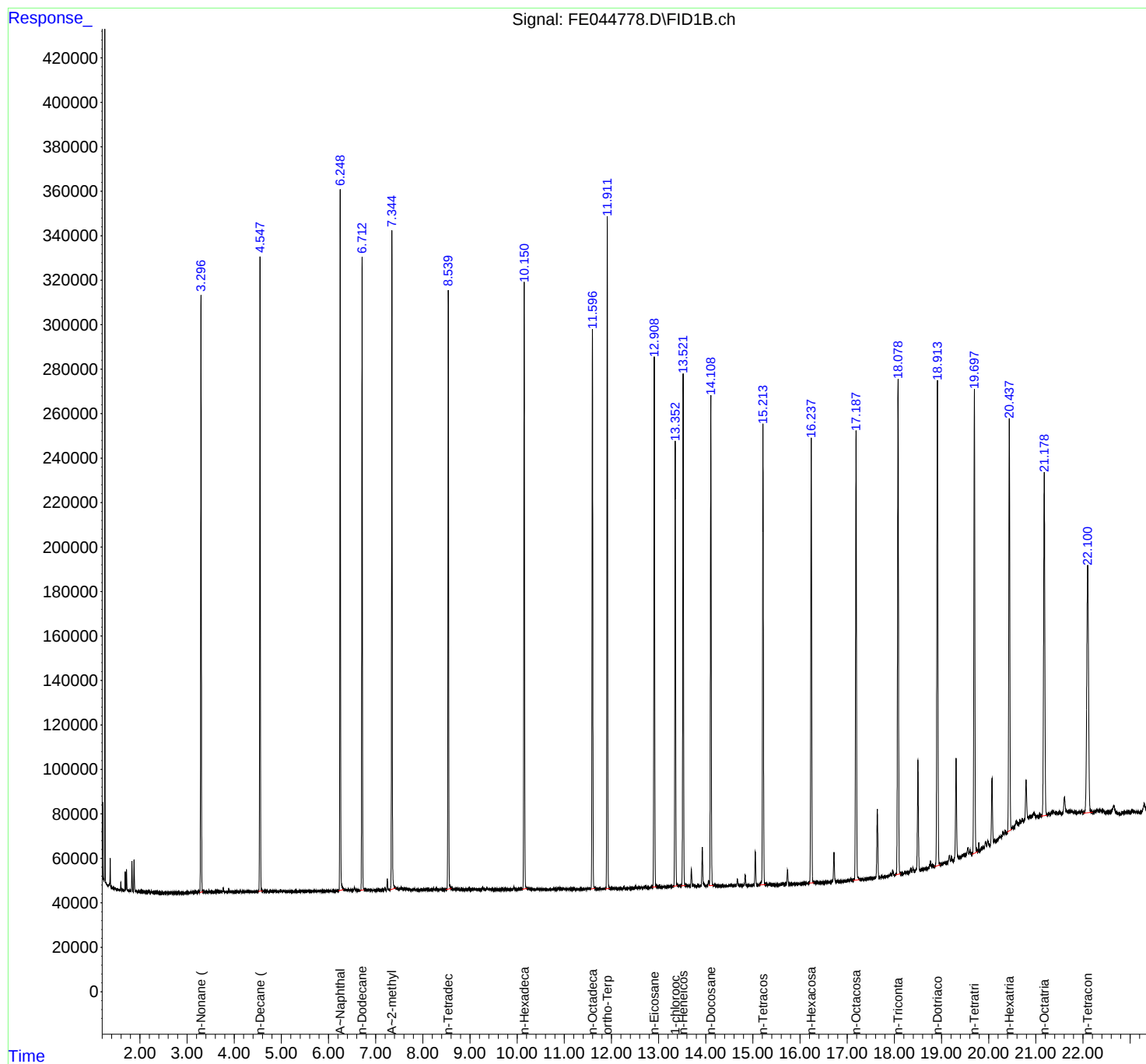
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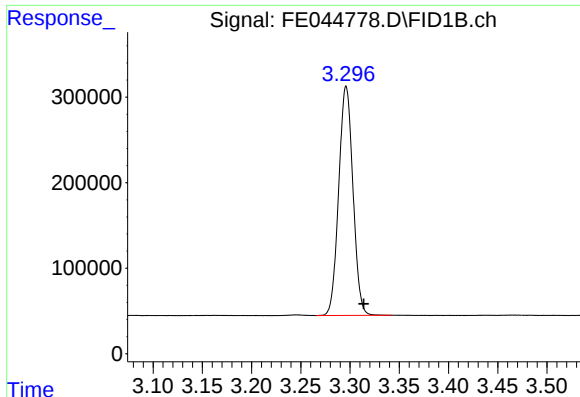
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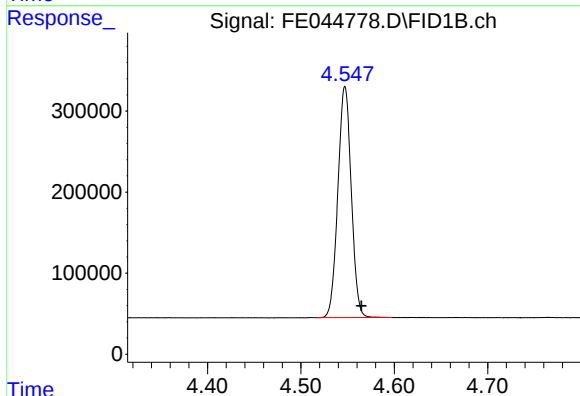
#1 n-Nonane (C9)

R.T.: 3.296 min
Delta R.T.: -0.018 min
Response: 2701557
Conc: 16.64 ug/ml

Instrument :
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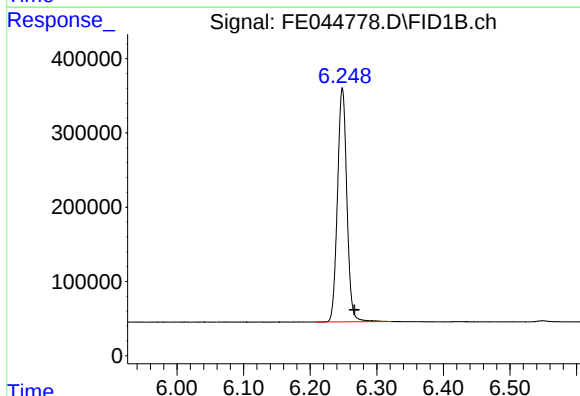
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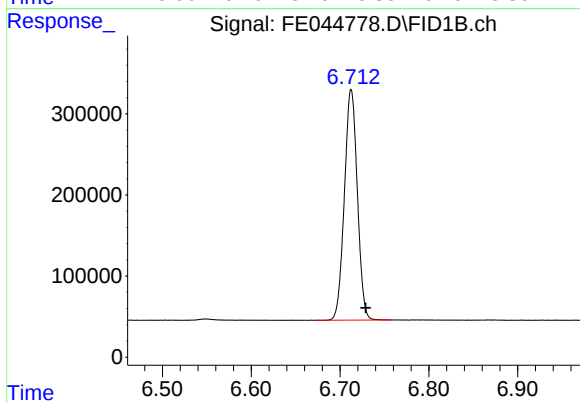
#2 n-Decane (C10)

R.T.: 4.547 min
Delta R.T.: -0.018 min
Response: 2844052
Conc: 17.18 ug/ml



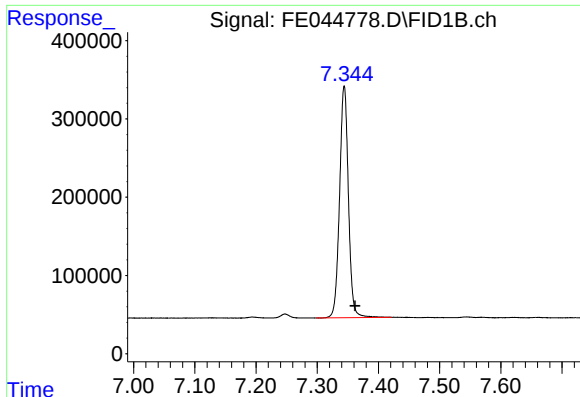
#3 A~Naphthalene (C11.7)

R.T.: 6.248 min
Delta R.T.: -0.018 min
Response: 3089138
Conc: 17.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.713 min
Delta R.T.: -0.016 min
Response: 2882602
Conc: 17.33 ug/ml



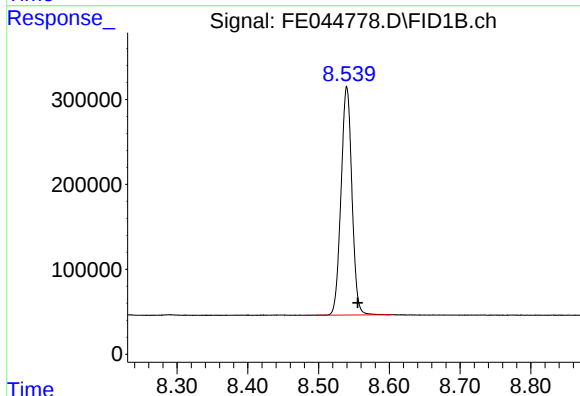
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.344 min
Delta R.T.: -0.018 min
Response: 2970190
Conc: 17.36 ug/ml

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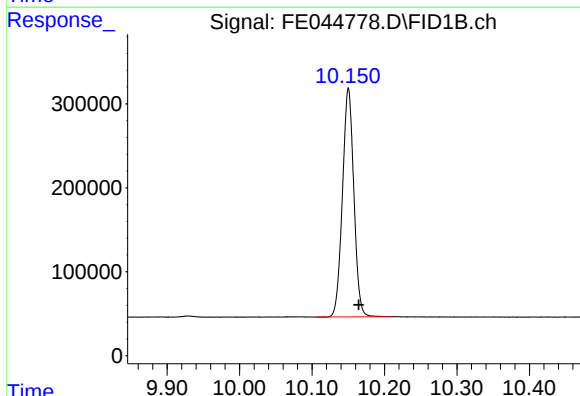
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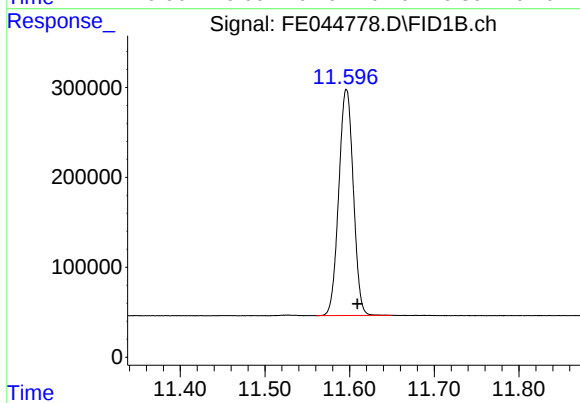
#6 n-Tetradecane (C14)

R.T.: 8.540 min
Delta R.T.: -0.015 min
Response: 2873154
Conc: 17.50 ug/ml



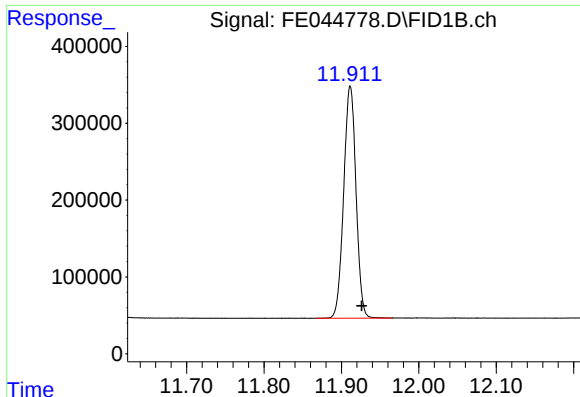
#7 n-Hexadecane (C16)

R.T.: 10.150 min
Delta R.T.: -0.014 min
Response: 2976975
Conc: 17.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.596 min
Delta R.T.: -0.013 min
Response: 3006279
Conc: 17.71 ug/ml



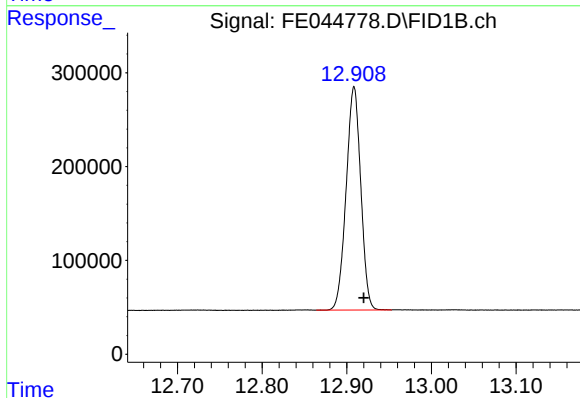
#9 ortho-Terphenyl (SURR)

R.T.: 11.911 min
Delta R.T.: -0.015 min
Response: 3338574
Conc: 17.78 ug/ml

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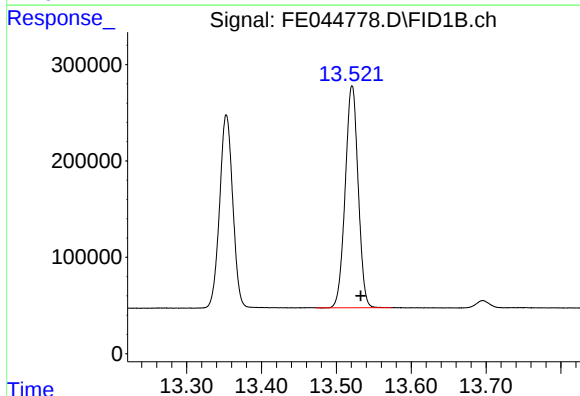
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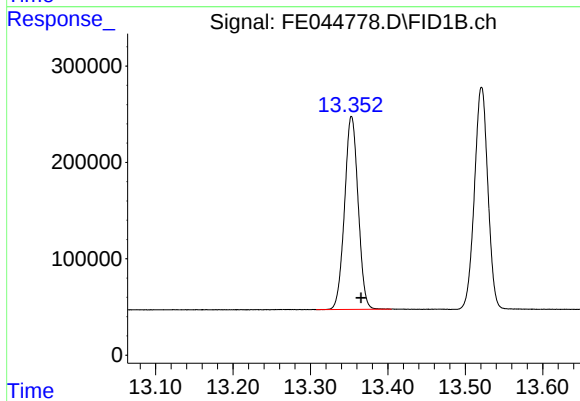
#10 n-Eicosane (C20)

R.T.: 12.909 min
Delta R.T.: -0.011 min
Response: 2854716
Conc: 17.74 ug/ml



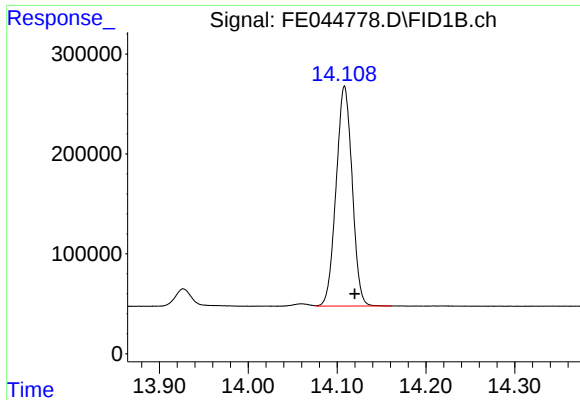
#11 n-Heneicosane (C21)

R.T.: 13.521 min
Delta R.T.: -0.011 min
Response: 2771535
Conc: 17.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.353 min
Delta R.T.: -0.012 min
Response: 2436360
Conc: 17.91 ug/ml



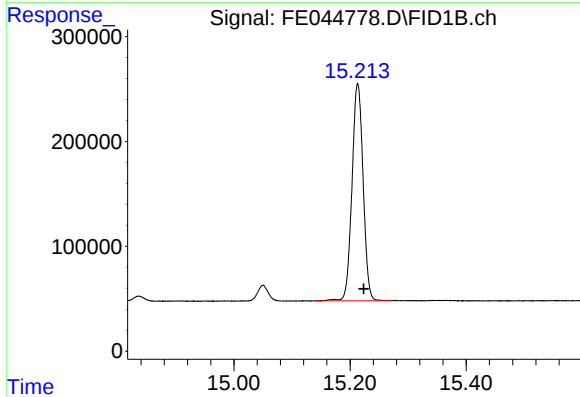
#13 n-Docosane (C22)

R.T.: 14.108 min
Delta R.T.: -0.011 min
Response: 2759299
Conc: 17.89 ug/ml

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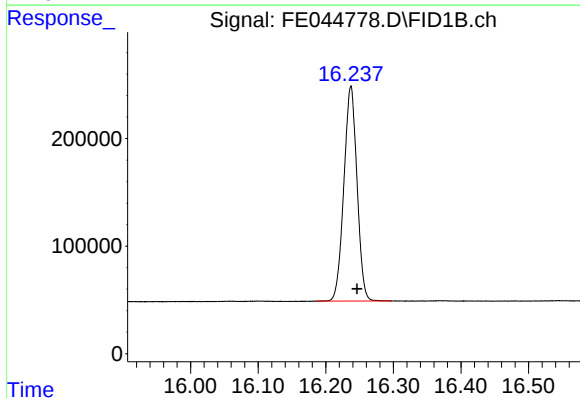
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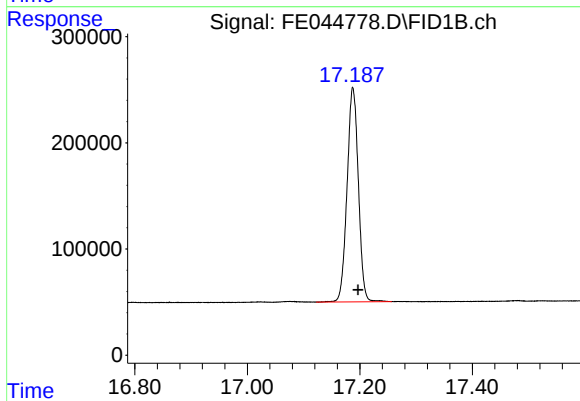
#14 n-Tetracosane (C24)

R.T.: 15.213 min
Delta R.T.: -0.010 min
Response: 2751805
Conc: 18.20 ug/ml



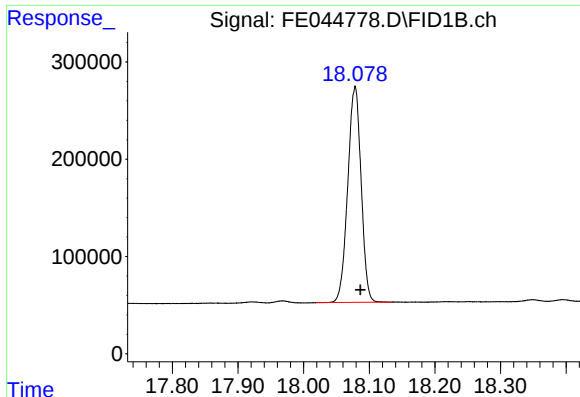
#15 n-Hexacosane (C26)

R.T.: 16.237 min
Delta R.T.: -0.009 min
Response: 2700453
Conc: 18.36 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.188 min
Delta R.T.: -0.009 min
Response: 2813847
Conc: 19.62 ug/ml



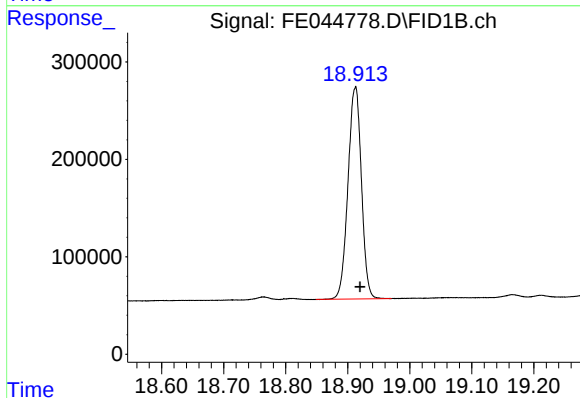
#17 n-Tricontane (C30)

R.T.: 18.079 min
Delta R.T.: -0.008 min
Response: 3138476
Conc: 21.17 ug/ml

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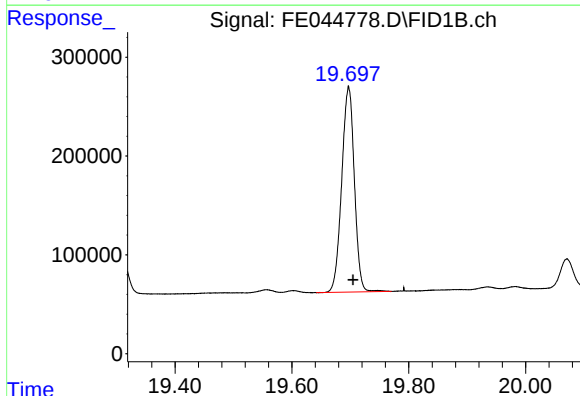
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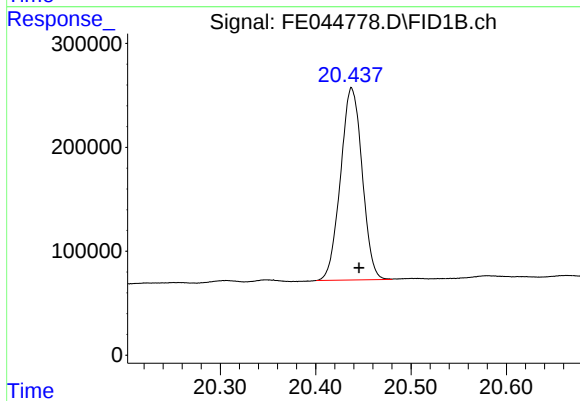
#18 n-Dotriacontane (C32)

R.T.: 18.913 min
Delta R.T.: -0.007 min
Response: 3275535
Conc: 22.13 ug/ml



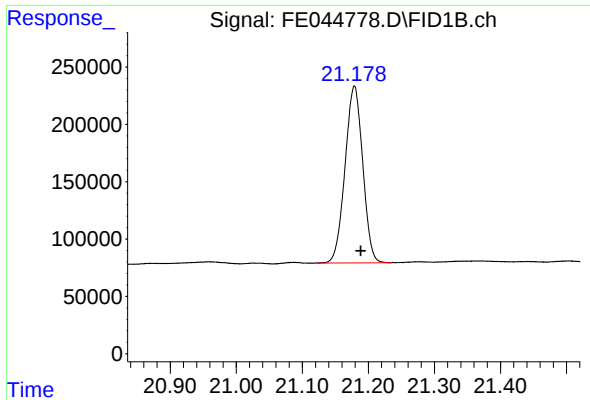
#19 n-Tetratriacontane (C34)

R.T.: 19.697 min
Delta R.T.: -0.008 min
Response: 3125632
Conc: 21.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.438 min
Delta R.T.: -0.008 min
Response: 2913510
Conc: 20.09 ug/ml



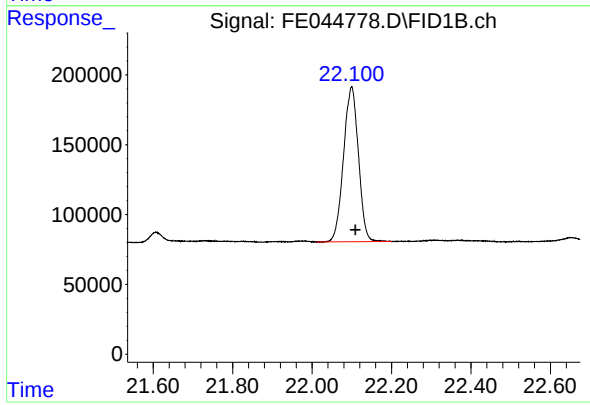
#21 n-Octatriacontane (C38)

R.T.: 21.178 min
Delta R.T.: -0.010 min
Response: 2871789
Conc: 19.17 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: -0.009 min
Response: 2894820
Conc: 18.34 ug/ml