

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012925AL\
 Data File : FE052131.D
 Signal(s) : FID1B.ch
 Acq On : 29 Jan 2025 21:26
 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 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 01:29:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 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)	12.193	2929905	20.499 ug/ml
Spiked Amount 50.000		Recovery =	41.00%
12) S 1-chlorooctadecane (S...	13.607	2275688	19.838 ug/ml
Spiked Amount 50.000		Recovery =	39.68%
Target Compounds			
1) T n-Nonane (C9)	3.675	2112838	19.818 ug/ml
2) T n-Decane (C10)	4.902	2288294	20.902 ug/ml
3) T A~Naphthalene (C11.7)	6.595	2609867	21.477 ug/ml
4) T n-Dodecane (C12)	7.030	2409028	21.344 ug/ml
5) T A~2-methylnaphthalene...	7.675	2593415	21.723 ug/ml
6) T n-Tetradecane (C14)	8.835	2491163	21.418 ug/ml
7) T n-Hexadecane (C16)	10.428	2656614	21.064 ug/ml
8) T n-Octadecane (C18)	11.861	2721923	20.573 ug/mlm
10) T n-Eicosane (C20)	13.162	2643196	20.162 ug/ml
11) T n-Heneicosane (C21)	13.771	2596278	19.947 ug/ml
13) T n-Docosane (C22)	14.354	2605156	19.851 ug/ml
14) T n-Tetracosane (C24)	15.450	2627509	19.781 ug/mlm
15) T n-Hexacosane (C26)	16.467	2611578	19.757 ug/ml
16) T n-Octacosane (C28)	17.413	2654246	20.110 ug/ml
17) T n-Tricontane (C30)	18.297	2859799	20.975 ug/ml
18) T n-Dotriacontane (C32)	19.127	2813929	21.472 ug/ml
19) T n-Tetratriacontane (C34)	19.907	2400764	21.324 ug/mlm
20) T n-Hexatriacontane (C36)	20.647	2004234	21.101 ug/ml
21) T n-Octatriacontane (C38)	21.429	1846724	21.378 ug/mlm
22) T n-Tetracontane (C40)	22.426	1788538	21.703 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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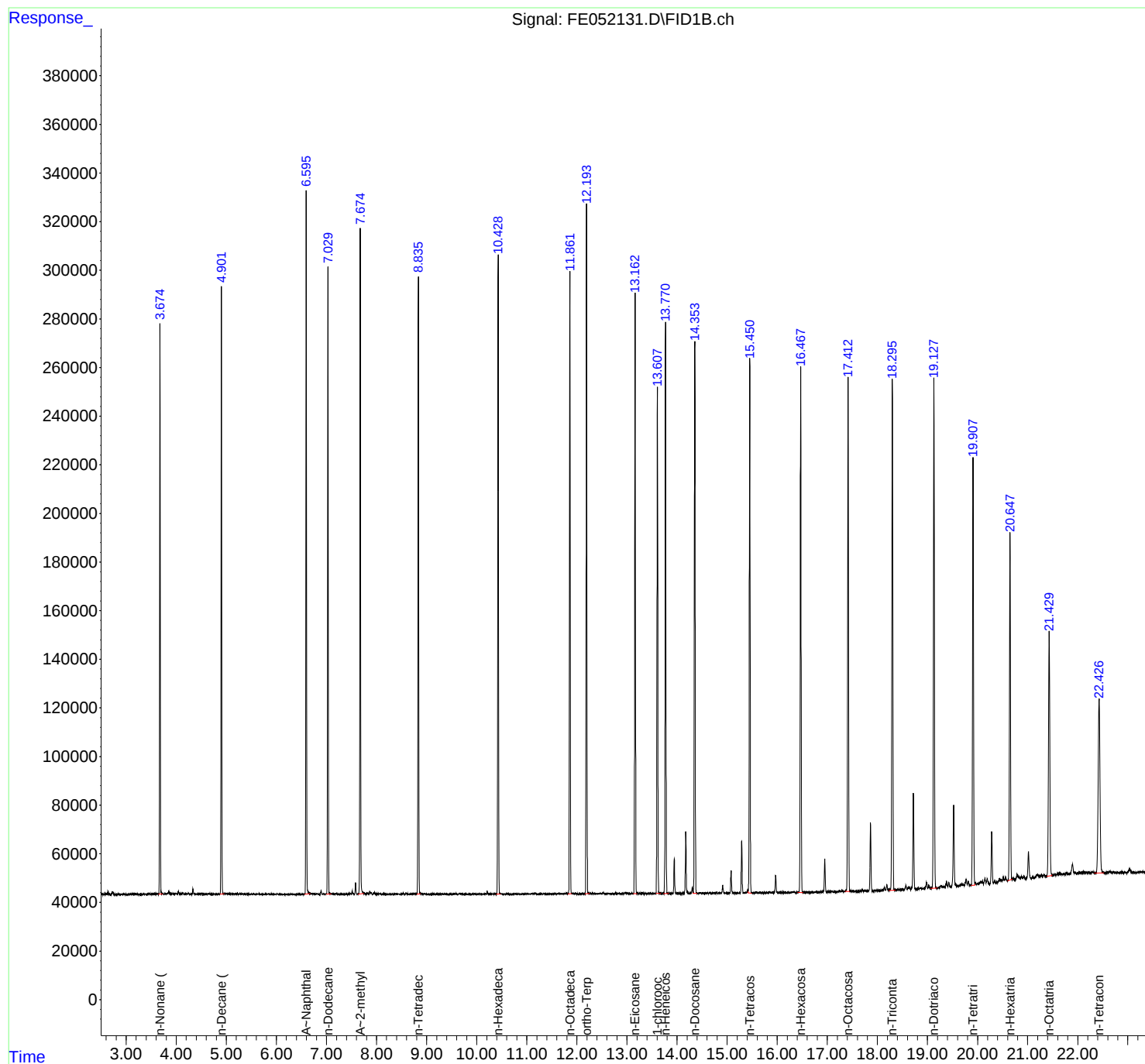
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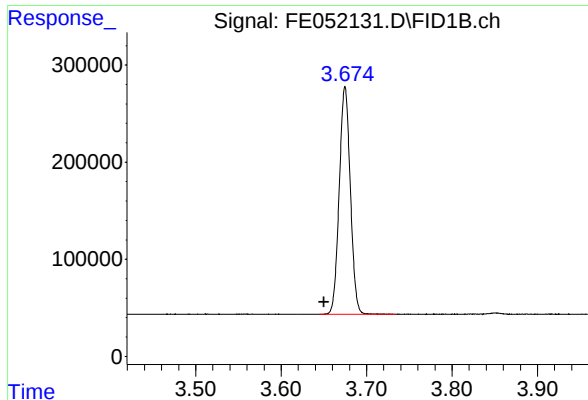
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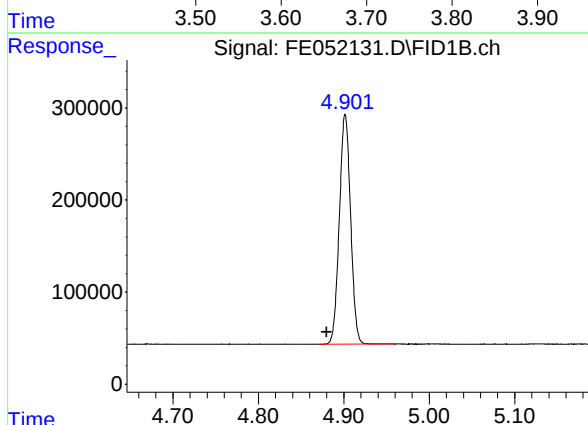
#1 n-Nonane (C9)

R.T.: 3.675 min
Delta R.T.: 0.025 min
Response: 2112838
Conc: 19.82 ug/ml

Instrument :
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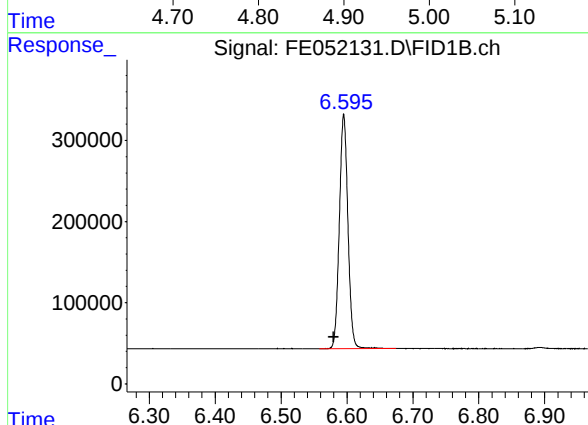
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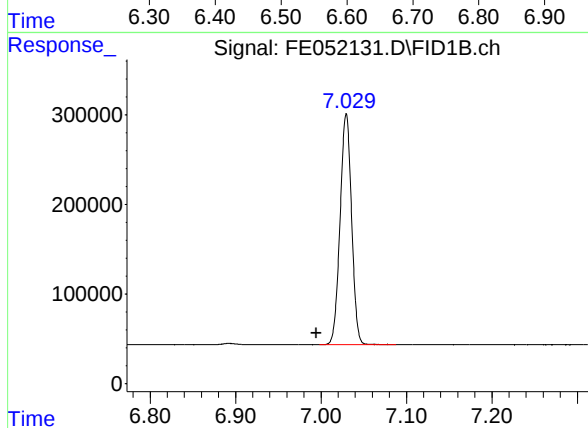
#2 n-Decane (C10)

R.T.: 4.902 min
Delta R.T.: 0.022 min
Response: 2288294
Conc: 20.90 ug/ml



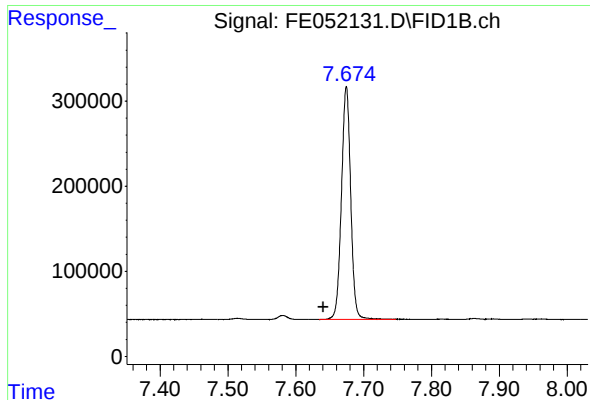
#3 A~Naphthalene (C11.7)

R.T.: 6.595 min
Delta R.T.: 0.015 min
Response: 2609867
Conc: 21.48 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.030 min
Delta R.T.: 0.035 min
Response: 2409028
Conc: 21.34 ug/ml



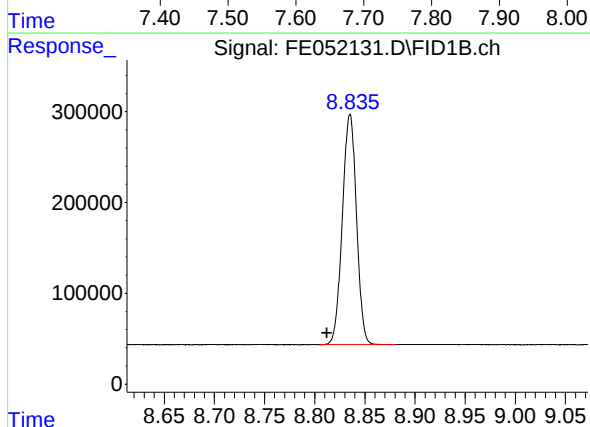
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.675 min
Delta R.T.: 0.034 min
Response: 2593415
Conc: 21.72 ug/ml

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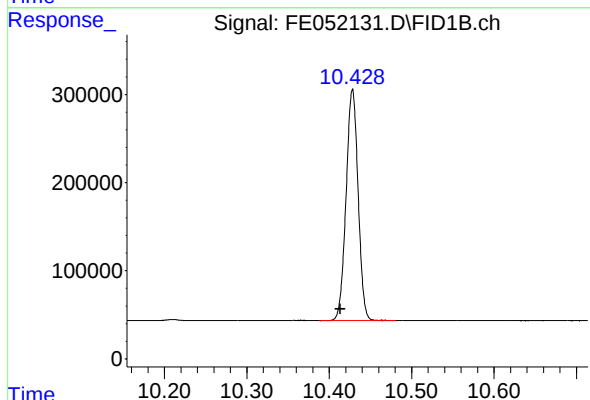
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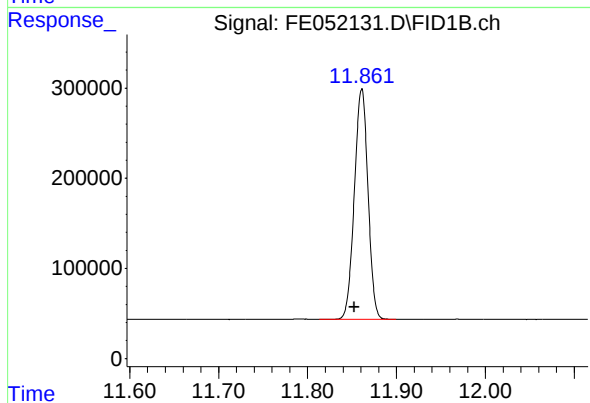
#6 n-Tetradecane (C14)

R.T.: 8.835 min
Delta R.T.: 0.023 min
Response: 2491163
Conc: 21.42 ug/ml



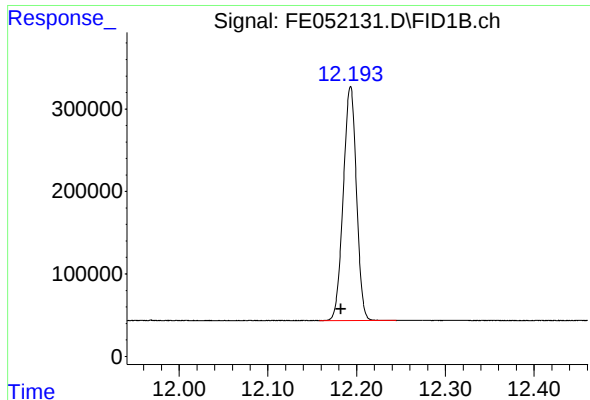
#7 n-Hexadecane (C16)

R.T.: 10.428 min
Delta R.T.: 0.015 min
Response: 2656614
Conc: 21.06 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.861 min
Delta R.T.: 0.009 min
Response: 2721923
Conc: 20.57 ug/ml m



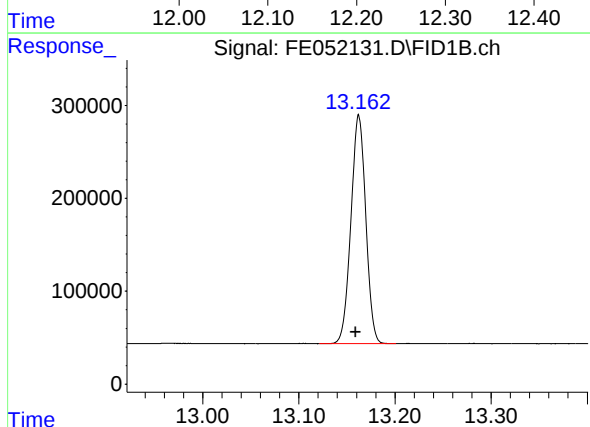
#9 ortho-Terphenyl (SURR)

R.T.: 12.193 min
Delta R.T.: 0.011 min
Response: 2929905
Conc: 20.50 ug/ml

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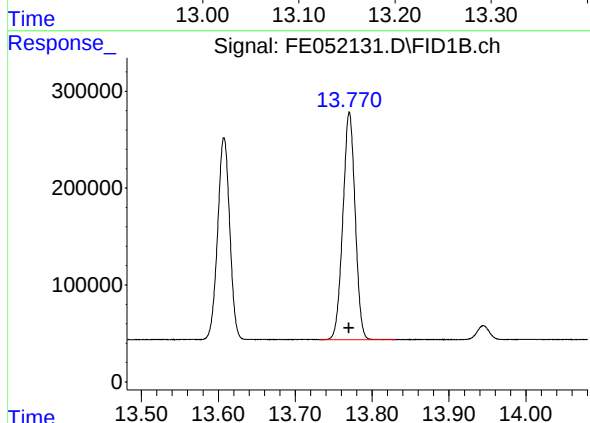
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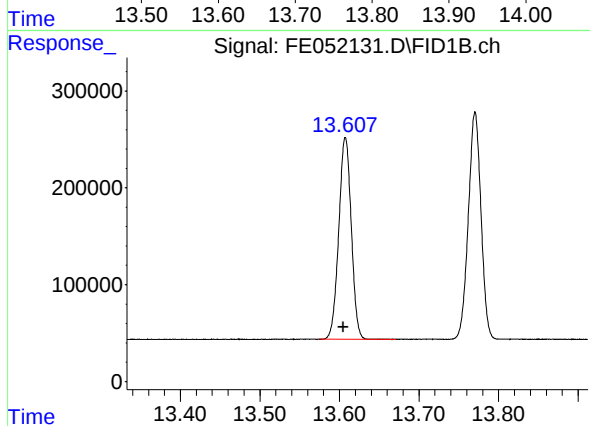
#10 n-Eicosane (C20)

R.T.: 13.162 min
Delta R.T.: 0.004 min
Response: 2643196
Conc: 20.16 ug/ml



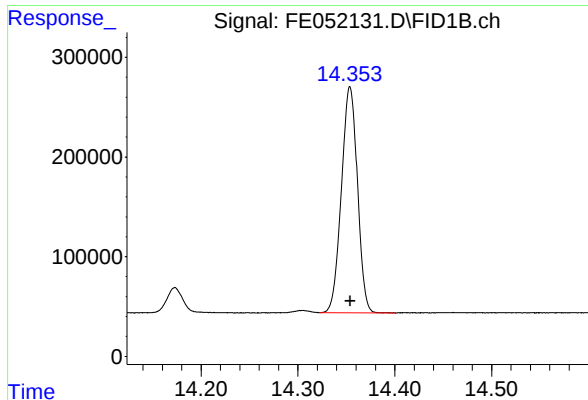
#11 n-Heneicosane (C21)

R.T.: 13.771 min
Delta R.T.: 0.000 min
Response: 2596278
Conc: 19.95 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.607 min
Delta R.T.: 0.003 min
Response: 2275688
Conc: 19.84 ug/ml



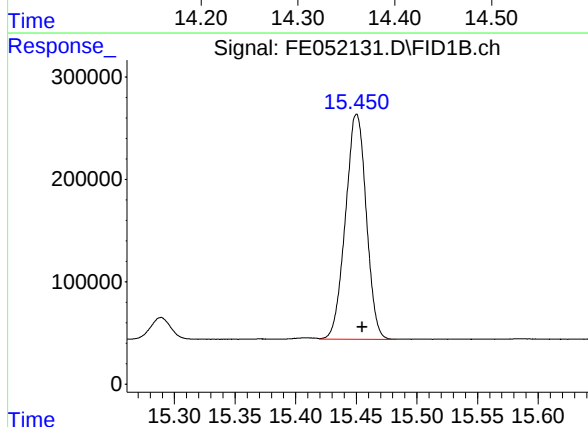
#13 n-Docosane (C22)

R.T.: 14.354 min
Delta R.T.: 0.000 min
Response: 2605156
Conc: 19.85 ug/ml

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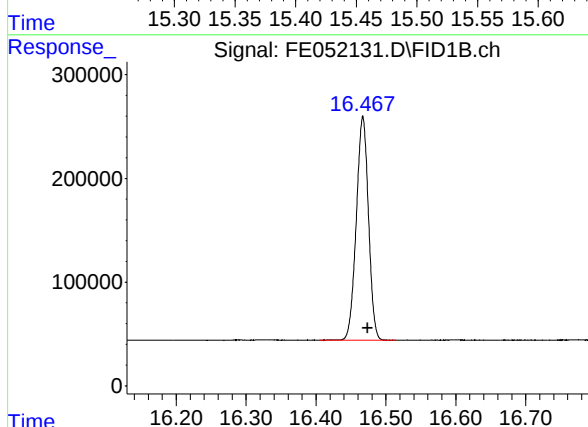
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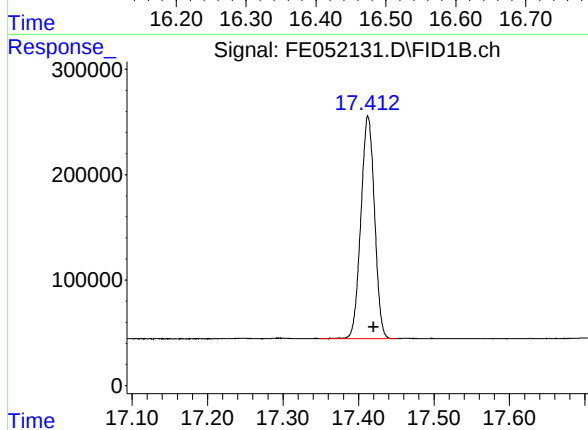
#14 n-Tetracosane (C24)

R.T.: 15.450 min
Delta R.T.: -0.005 min
Response: 2627509
Conc: 19.78 ug/ml



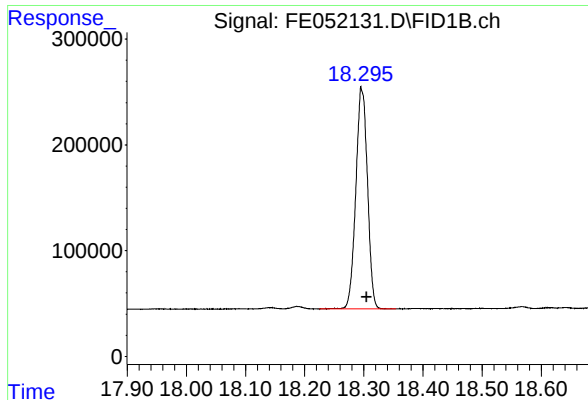
#15 n-Hexacosane (C26)

R.T.: 16.467 min
Delta R.T.: -0.007 min
Response: 2611578
Conc: 19.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.413 min
Delta R.T.: -0.007 min
Response: 2654246
Conc: 20.11 ug/ml



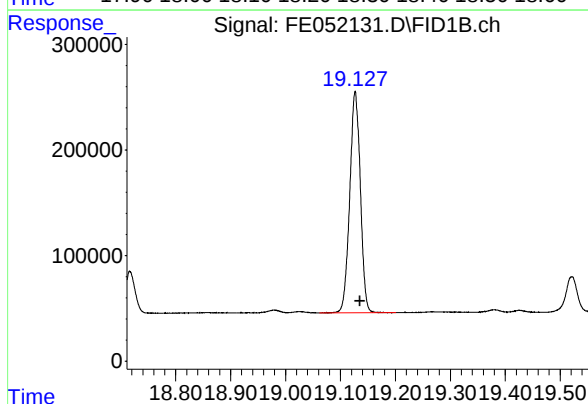
#17 n-Tricontane (C30)

R.T.: 18.297 min
Delta R.T.: -0.008 min
Response: 2859799
Conc: 20.98 ug/ml

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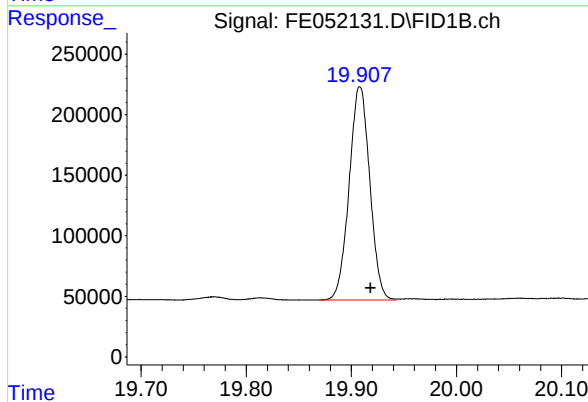
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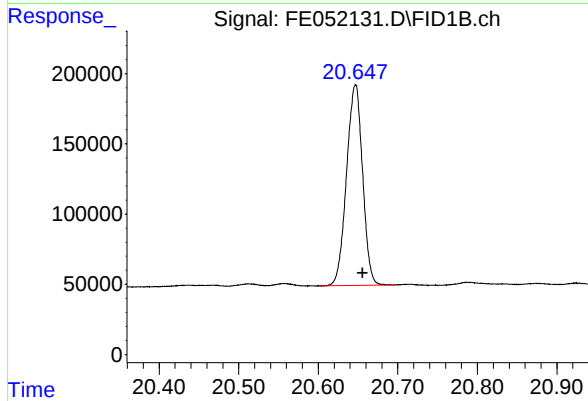
#18 n-Dotriacontane (C32)

R.T.: 19.127 min
Delta R.T.: -0.009 min
Response: 2813929
Conc: 21.47 ug/ml



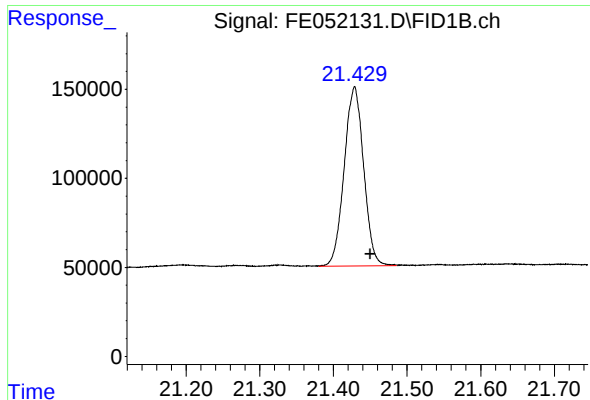
#19 n-Tetratriacontane (C34)

R.T.: 19.907 min
Delta R.T.: -0.011 min
Response: 2400764
Conc: 21.32 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.647 min
Delta R.T.: -0.009 min
Response: 2004234
Conc: 21.10 ug/ml



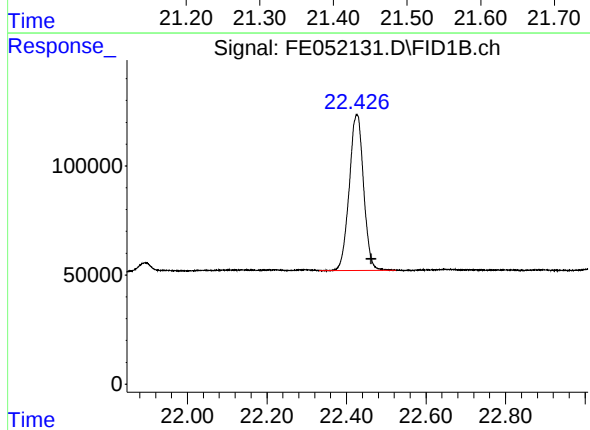
#21 n-Octatriacontane (C38)

R.T.: 21.429 min
Delta R.T.: -0.021 min
Response: 1846724
Conc: 21.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.426 min
Delta R.T.: -0.036 min
Response: 1788538
Conc: 21.70 ug/ml