

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011824AL\
 Data File : FE046297.D
 Signal(s) : FID1B.ch
 Acq On : 18 Jan 2024 22:11
 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 :Ankita Jodhani 01/19/2024
 Supervised By :Sohil Jodhani 01/23/2024

Integration File: autoint1.e
 Quant Time: Jan 19 00:13:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 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)	11.826	4020634	22.125 ug/ml
Spiked Amount 50.000		Recovery =	44.25%
12) S 1-chlorooctadecane (S...	13.270	2951396	22.090 ug/ml
Spiked Amount 50.000		Recovery =	44.18%
Target Compounds			
1) T n-Nonane (C9)	3.213	2980639	19.476 ug/ml
2) T n-Decane (C10)	4.464	3193151	20.575 ug/ml
3) T A~Naphthalene (C11.7)	6.168	3399263	20.440 ug/ml
4) T n-Dodecane (C12)	6.632	3268984	20.937 ug/ml
5) T A~2-methylnaphthalene...	7.264	3309866	20.789 ug/ml
6) T n-Tetradecane (C14)	8.458	3284534	21.085 ug/ml
7) T n-Hexadecane (C16)	10.068	3395131	21.440 ug/ml
8) T n-Octadecane (C18)	11.513	3442980	21.875 ug/ml
10) T n-Eicosane (C20)	12.823	3320716	21.951 ug/ml
11) T n-Heneicosane (C21)	13.437	3256571	22.146 ug/ml
13) T n-Docosane (C22)	14.024	3210931	21.967 ug/ml
14) T n-Tetracosane (C24)	15.129	3145529	21.688 ug/ml
15) T n-Hexacosane (C26)	16.152	3045909	21.245 ug/mlm
16) T n-Octacosane (C28)	17.106	3035719	21.167 ug/ml
17) T n-Tricontane (C30)	17.995	3235084	21.765 ug/ml
18) T n-Dotriacontane (C32)	18.832	3279001	21.924 ug/ml
19) T n-Tetratriacontane (C34)	19.617	3284112	22.925 ug/ml
20) T n-Hexatriacontane (C36)	20.359	3050391	20.922 ug/mlm
21) T n-Octatriacontane (C38)	21.090	3421678	23.204 ug/ml
22) T n-Tetracontane (C40)	21.983	3066874	19.593 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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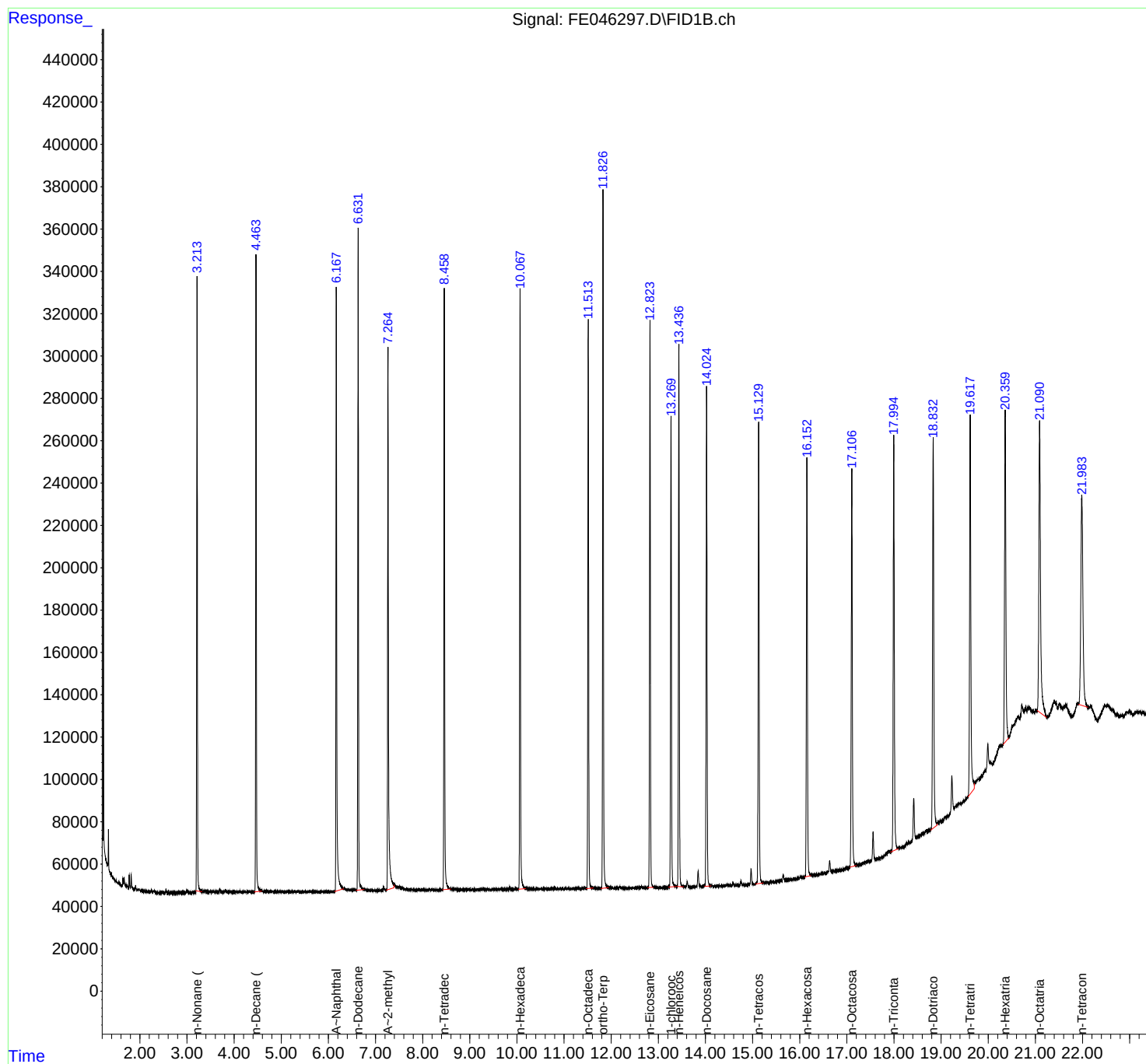
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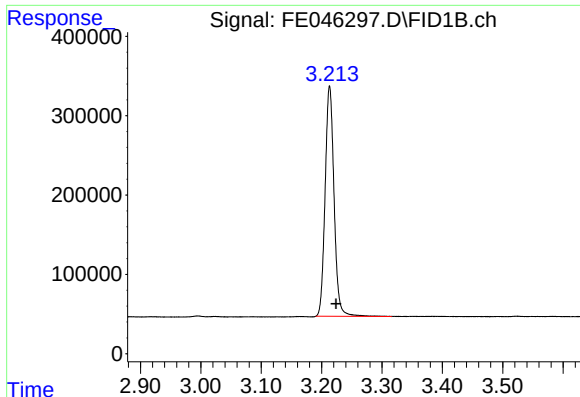
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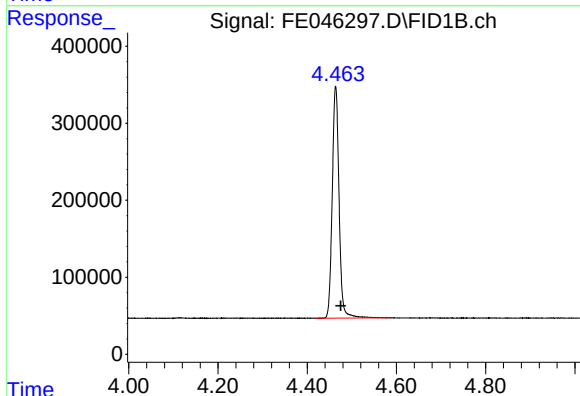
#1 n-Nonane (C9)

R.T.: 3.213 min
Delta R.T.: -0.011 min
Response: 2980639
Conc: 19.48 ug/ml

Instrument :
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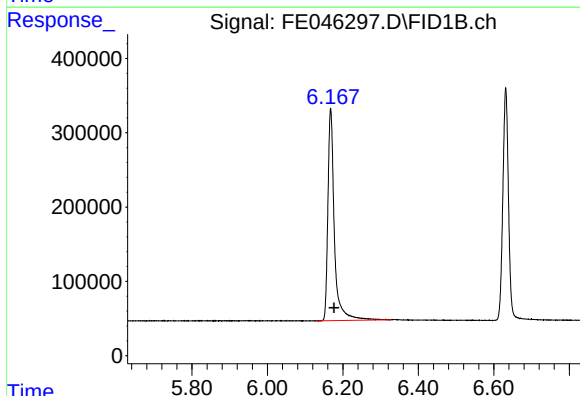
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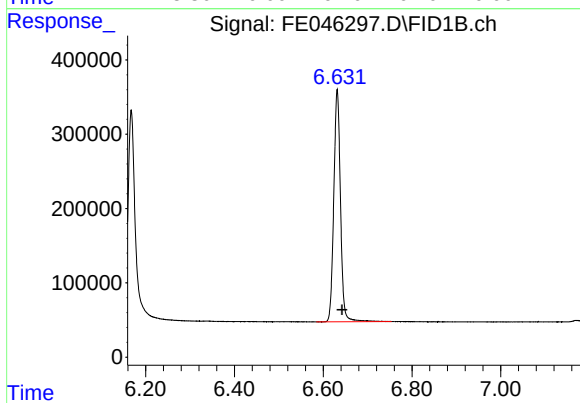
#2 n-Decane (C10)

R.T.: 4.464 min
Delta R.T.: -0.011 min
Response: 3193151
Conc: 20.57 ug/ml



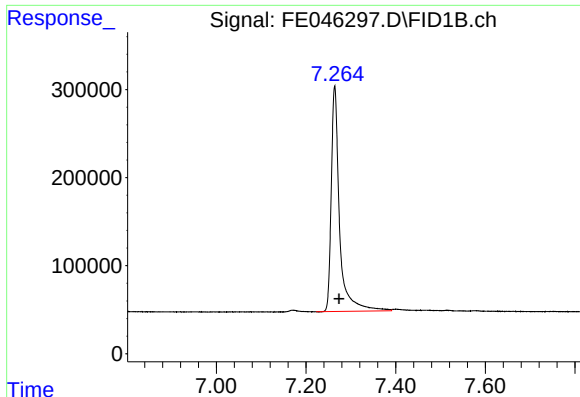
#3 A~Naphthalene (C11.7)

R.T.: 6.168 min
Delta R.T.: -0.010 min
Response: 3399263
Conc: 20.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.632 min
Delta R.T.: -0.011 min
Response: 3268984
Conc: 20.94 ug/ml



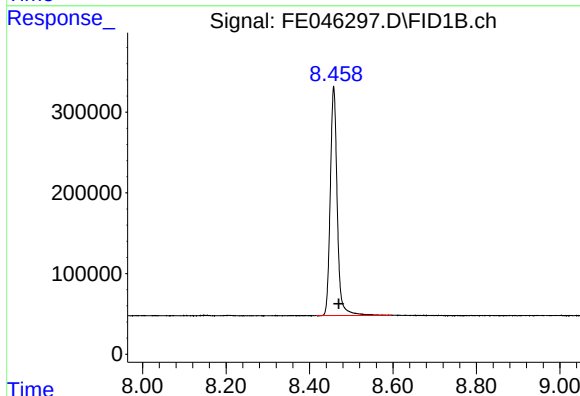
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.264 min
Delta R.T.: -0.010 min
Response: 3309866
Conc: 20.79 ug/ml

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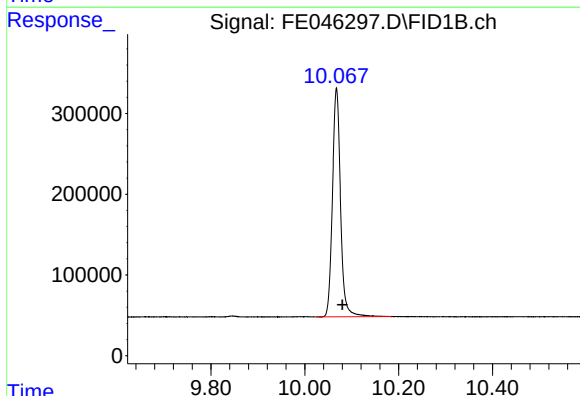
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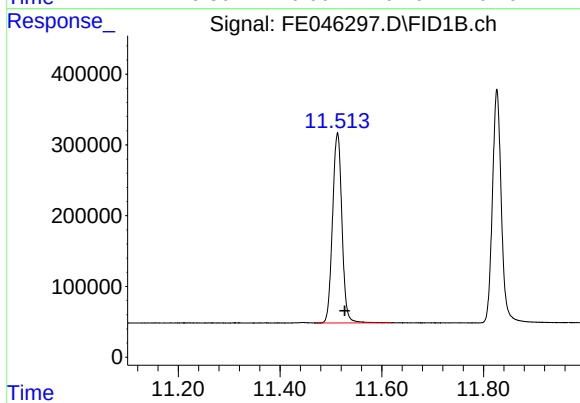
#6 n-Tetradecane (C14)

R.T.: 8.458 min
Delta R.T.: -0.012 min
Response: 3284534
Conc: 21.09 ug/ml



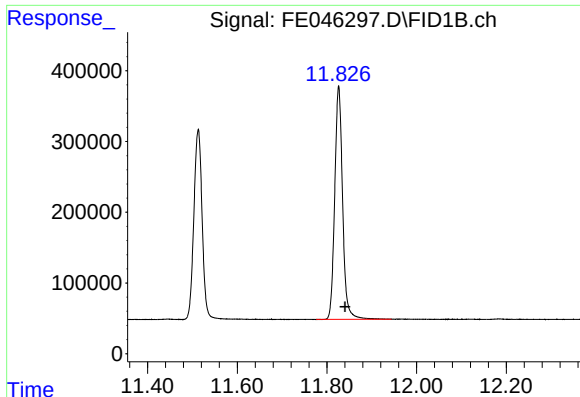
#7 n-Hexadecane (C16)

R.T.: 10.068 min
Delta R.T.: -0.013 min
Response: 3395131
Conc: 21.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.014 min
Response: 3442980
Conc: 21.88 ug/ml



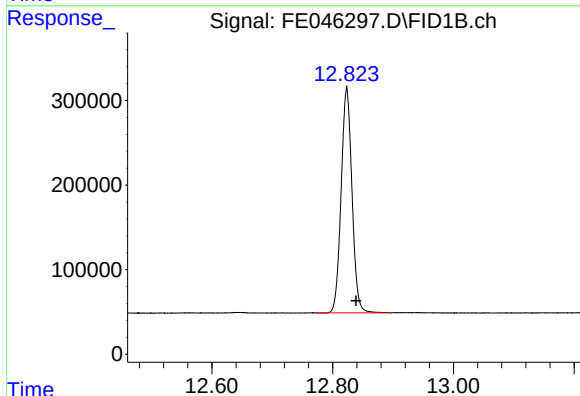
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.014 min
Response: 4020634
Conc: 22.12 ug/ml

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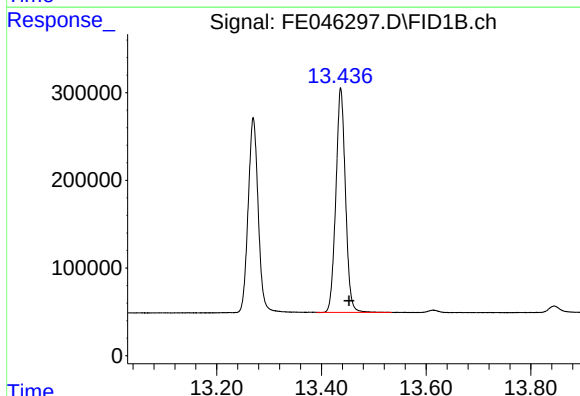
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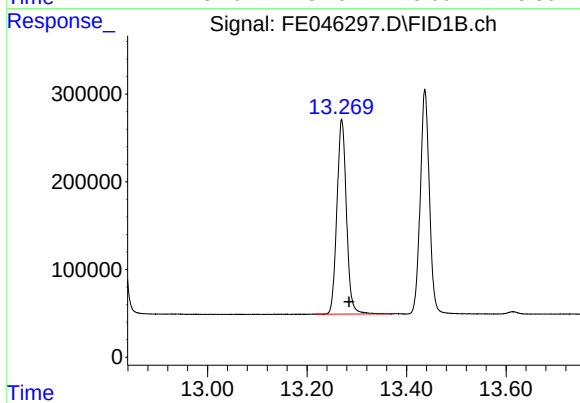
#10 n-Eicosane (C20)

R.T.: 12.823 min
Delta R.T.: -0.015 min
Response: 3320716
Conc: 21.95 ug/ml



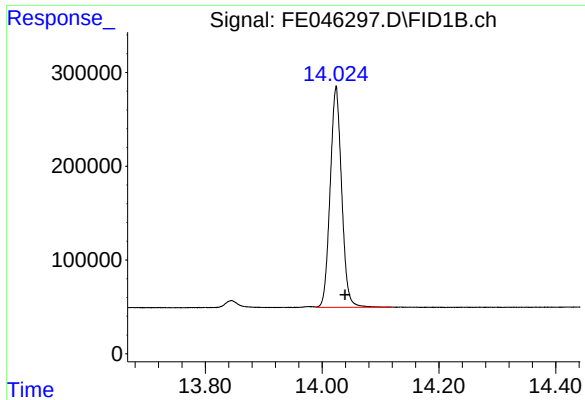
#11 n-Heneicosane (C21)

R.T.: 13.437 min
Delta R.T.: -0.016 min
Response: 3256571
Conc: 22.15 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.270 min
Delta R.T.: -0.015 min
Response: 2951396
Conc: 22.09 ug/ml



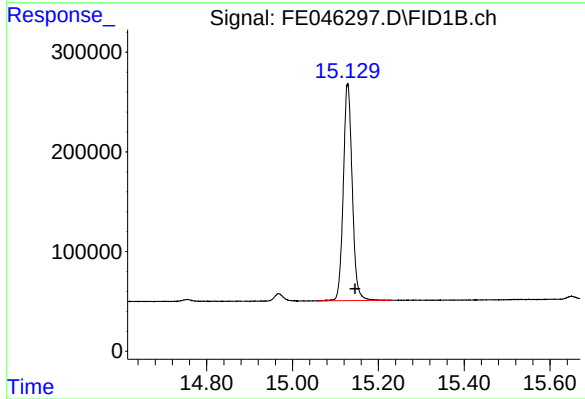
#13 n-Docosane (C22)

R.T.: 14.024 min
Delta R.T.: -0.015 min
Response: 3210931
Conc: 21.97 ug/ml

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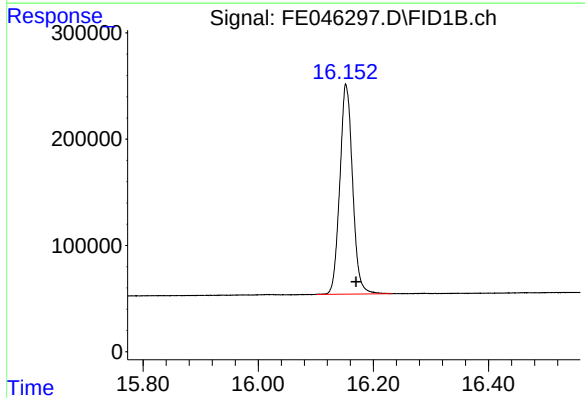
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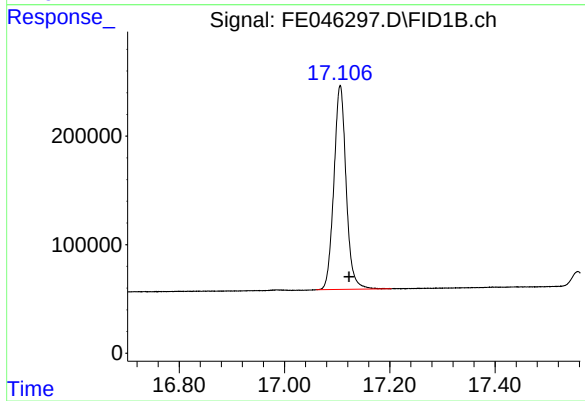
#14 n-Tetracosane (C24)

R.T.: 15.129 min
Delta R.T.: -0.017 min
Response: 3145529
Conc: 21.69 ug/ml



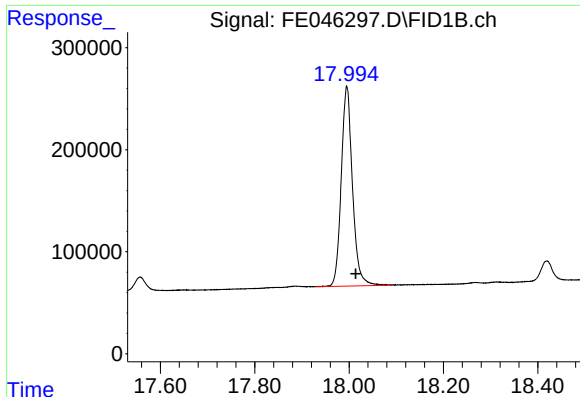
#15 n-Hexacosane (C26)

R.T.: 16.152 min
Delta R.T.: -0.018 min
Response: 3045909
Conc: 21.25 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.017 min
Response: 3035719
Conc: 21.17 ug/ml



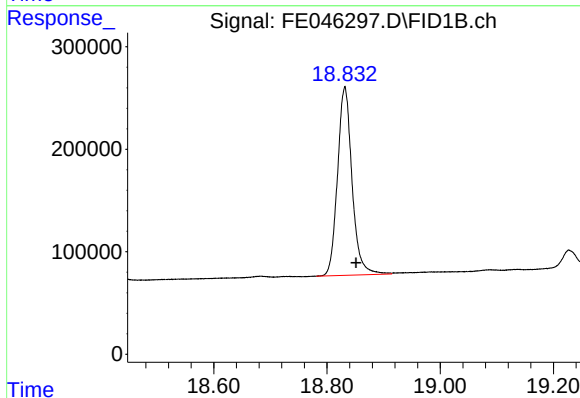
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.019 min
Response: 3235084
Conc: 21.76 ug/ml

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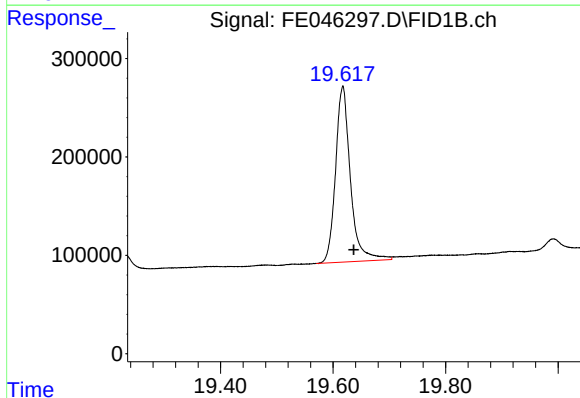
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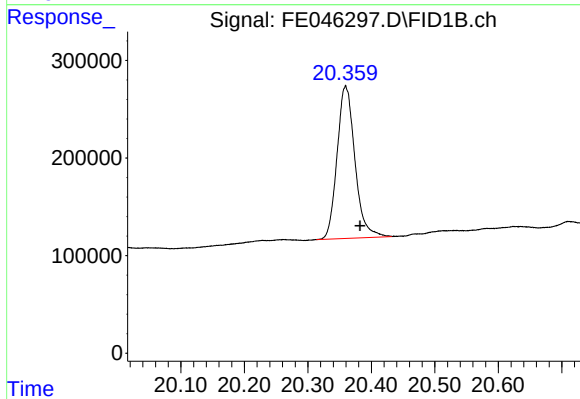
#18 n-Dotriacontane (C32)

R.T.: 18.832 min
Delta R.T.: -0.020 min
Response: 3279001
Conc: 21.92 ug/ml



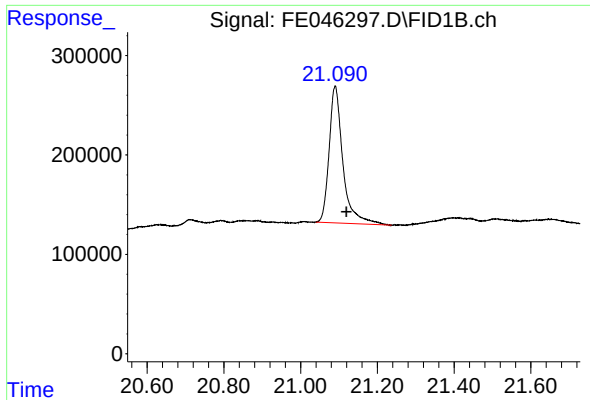
#19 n-Tetratriacontane (C34)

R.T.: 19.617 min
Delta R.T.: -0.019 min
Response: 3284112
Conc: 22.92 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.023 min
Response: 3050391
Conc: 20.92 ug/ml m



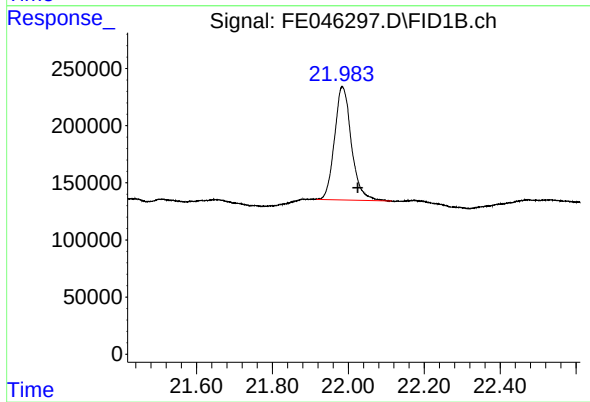
#21 n-Octatriacontane (C38)

R.T.: 21.090 min
Delta R.T.: -0.030 min
Response: 3421678
Conc: 23.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.983 min
Delta R.T.: -0.042 min
Response: 3066874
Conc: 19.59 ug/ml m