

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053461.D
 Signal(s) : FID1B.ch
 Acq On : 22 Apr 2025 11:39
 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 04/23/2025
 Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e
 Quant Time: Apr 22 14:23:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 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)	11.875	3343629	18.539 ug/ml
Spiked Amount 50.000		Recovery =	37.08%
12) S 1-chlorooctadecane (S...	13.320	2480726	18.352 ug/ml
Spiked Amount 50.000		Recovery =	36.70%
Target Compounds			
1) T n-Nonane (C9)	3.222	2699534	19.690 ug/ml
2) T n-Decane (C10)	4.483	2787003	20.147 ug/ml
3) T A~Naphthalene (C11.7)	6.195	3032178	20.088 ug/ml
4) T n-Dodecane (C12)	6.663	2811505	20.047 ug/ml
5) T A~2-methylnaphthalene...	7.297	3004020	20.120 ug/ml
6) T n-Tetradecane (C14)	8.499	2778073	19.802 ug/ml
7) T n-Hexadecane (C16)	10.113	2761175	19.265 ug/ml
8) T n-Octadecane (C18)	11.560	2745259	18.837 ug/ml
10) T n-Eicosane (C20)	12.875	2692296	18.502 ug/ml
11) T n-Heneicosane (C21)	13.488	2676506	18.478 ug/ml
13) T n-Docosane (C22)	14.076	2638227	18.283 ug/ml
14) T n-Tetracosane (C24)	15.182	2618041	18.226 ug/ml
15) T n-Hexacosane (C26)	16.205	2574253	18.176 ug/ml
16) T n-Octacosane (C28)	17.157	2557862	18.385 ug/ml
17) T n-Tricontane (C30)	18.046	2642115	18.981 ug/ml
18) T n-Dotriacontane (C32)	18.881	2653868	19.328 ug/ml
19) T n-Tetratriacontane (C34)	19.666	2543758	19.523 ug/ml
20) T n-Hexatriacontane (C36)	20.408	2559547	20.274 ug/mlm
21) T n-Octatriacontane (C38)	21.144	2464656	20.230 ug/mlm
22) T n-Tetracontane (C40)	22.051	2479061	20.759 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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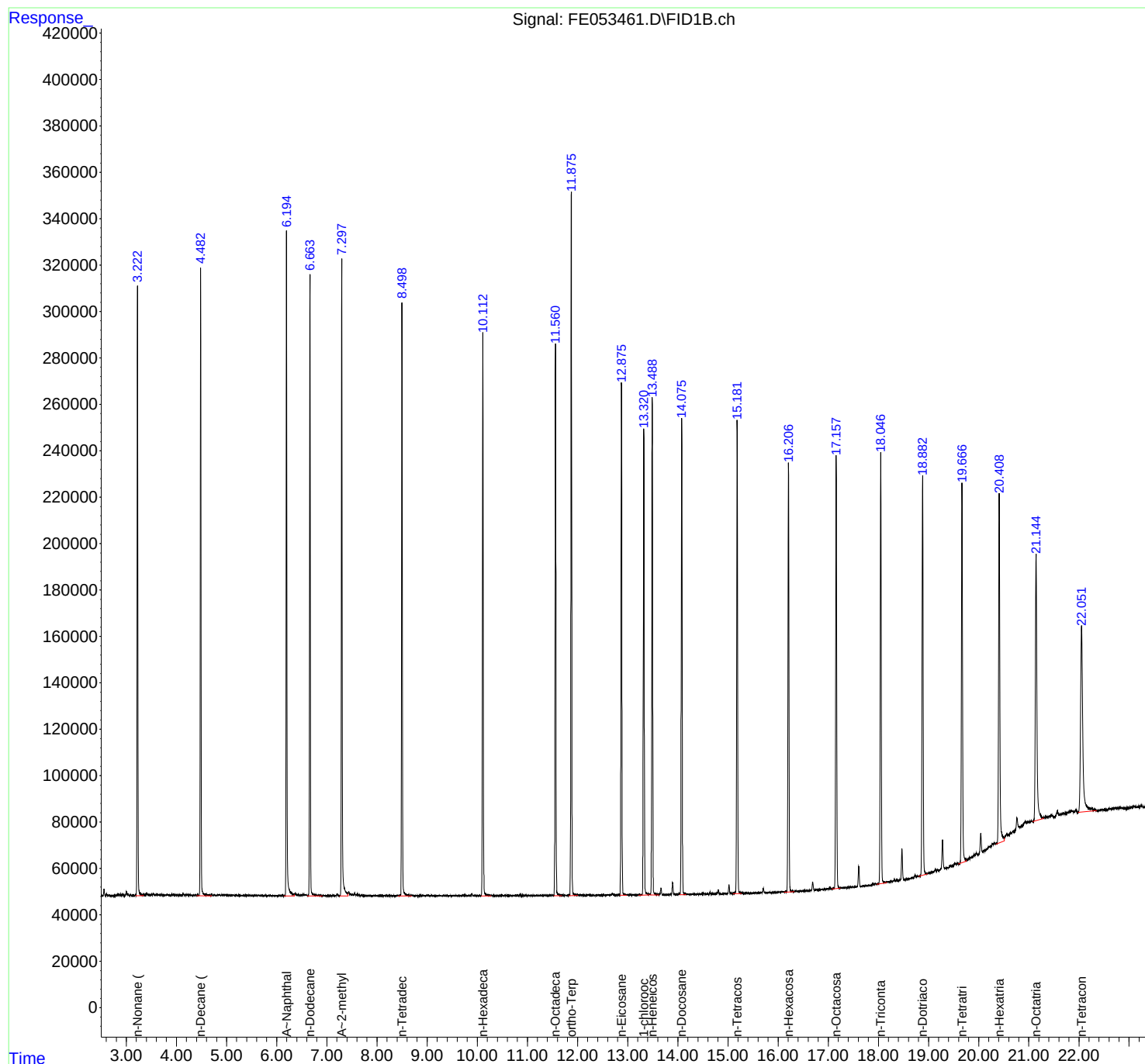
Instrument :
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20 PPM ALIPHATIC HC STD

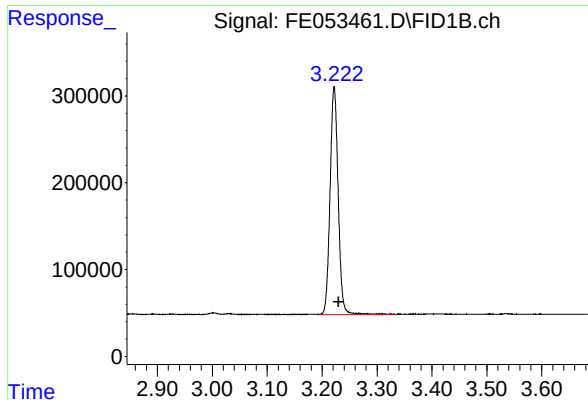
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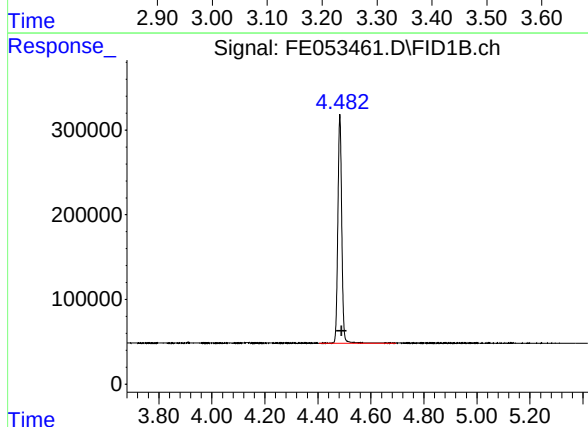
#1 n-Nonane (C9)

R.T.: 3.222 min
Delta R.T.: -0.008 min
Response: 2699534
Conc: 19.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

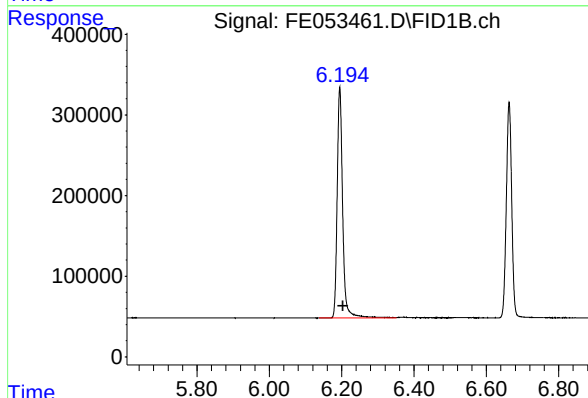
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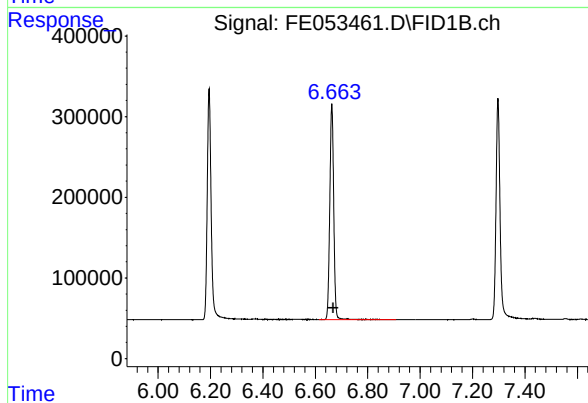
#2 n-Decane (C10)

R.T.: 4.483 min
Delta R.T.: -0.007 min
Response: 2787003
Conc: 20.15 ug/ml



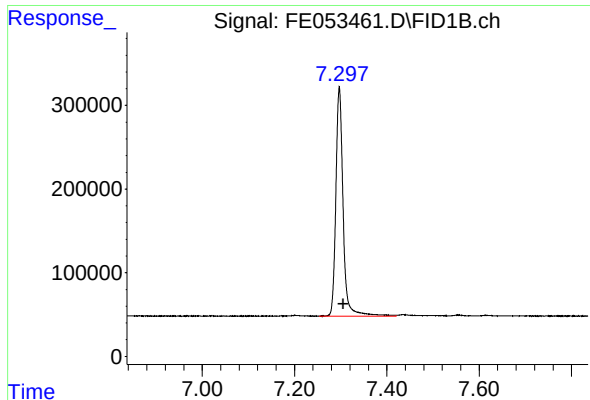
#3 A~Naphthalene (C11.7)

R.T.: 6.195 min
Delta R.T.: -0.009 min
Response: 3032178
Conc: 20.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.663 min
Delta R.T.: -0.007 min
Response: 2811505
Conc: 20.05 ug/ml



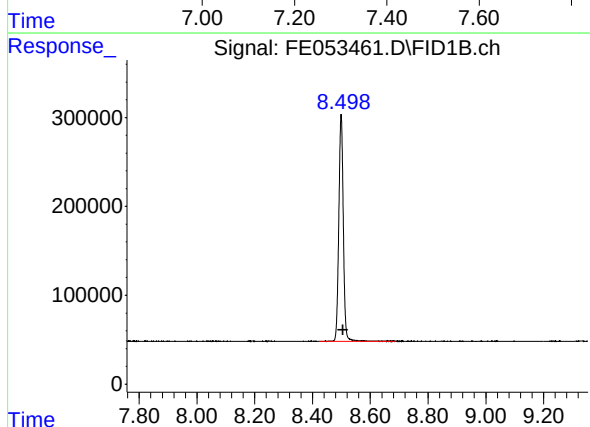
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.297 min
Delta R.T.: -0.009 min
Response: 3004020
Conc: 20.12 ug/ml

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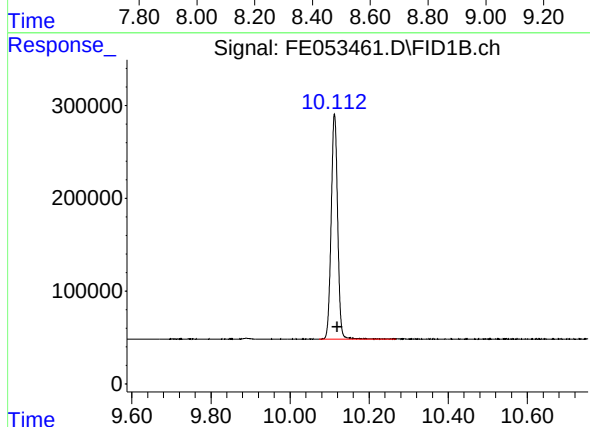
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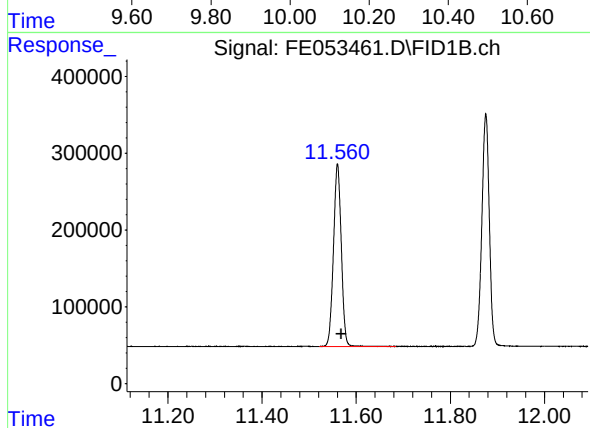
#6 n-Tetradecane (C14)

R.T.: 8.499 min
Delta R.T.: -0.007 min
Response: 2778073
Conc: 19.80 ug/ml



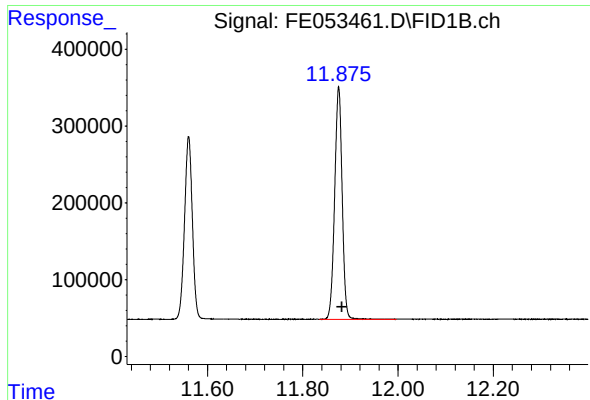
#7 n-Hexadecane (C16)

R.T.: 10.113 min
Delta R.T.: -0.008 min
Response: 2761175
Conc: 19.27 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.560 min
Delta R.T.: -0.008 min
Response: 2745259
Conc: 18.84 ug/ml



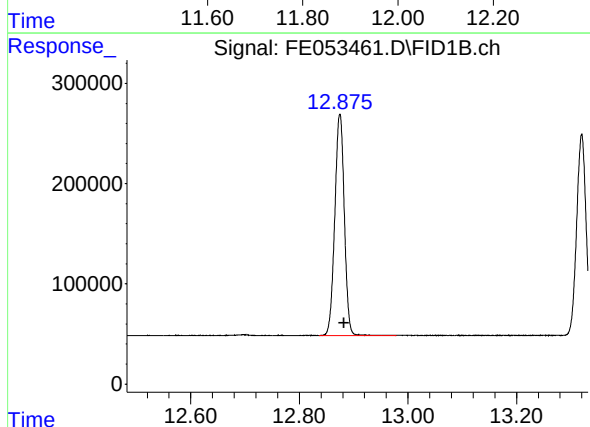
#9 ortho-Terphenyl (SURR)

R.T.: 11.875 min
Delta R.T.: -0.007 min
Response: 3343629
Conc: 18.54 ug/ml

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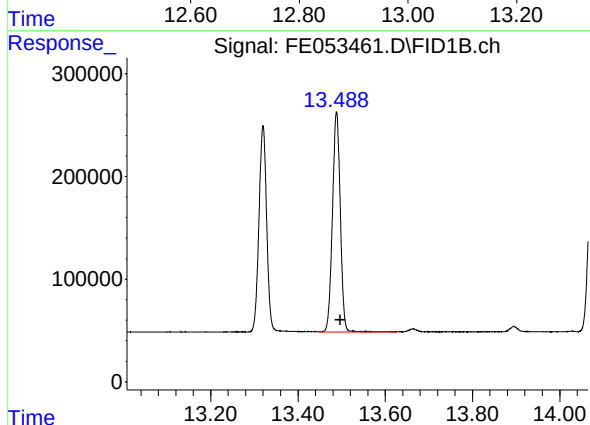
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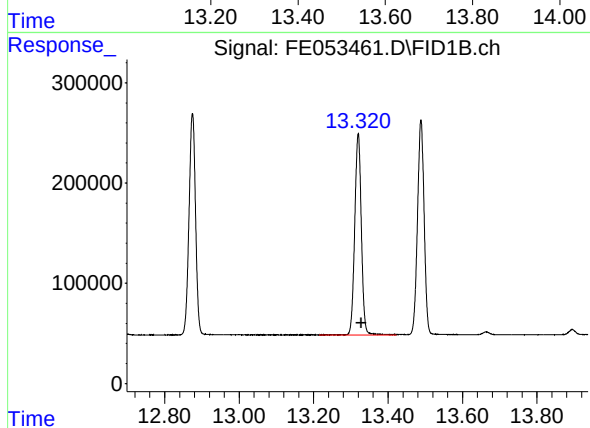
#10 n-Eicosane (C20)

R.T.: 12.875 min
Delta R.T.: -0.008 min
Response: 2692296
Conc: 18.50 ug/ml



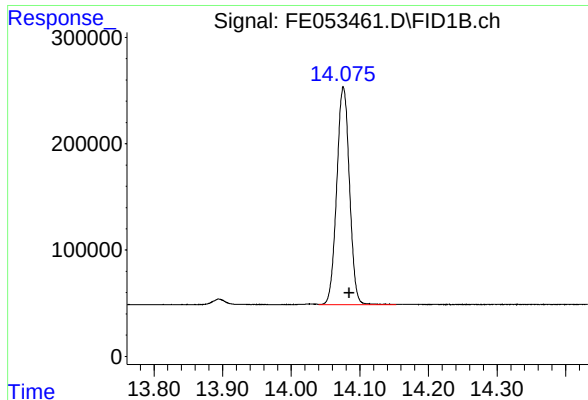
#11 n-Heneicosane (C21)

R.T.: 13.488 min
Delta R.T.: -0.009 min
Response: 2676506
Conc: 18.48 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min
Delta R.T.: -0.009 min
Response: 2480726
Conc: 18.35 ug/ml



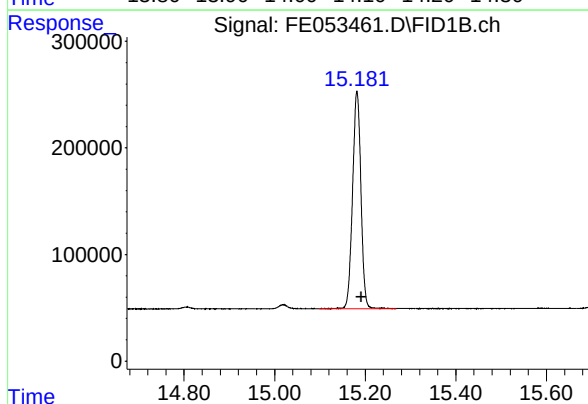
#13 n-Docosane (C22)

R.T.: 14.076 min
Delta R.T.: -0.009 min
Response: 2638227
Conc: 18.28 ug/ml

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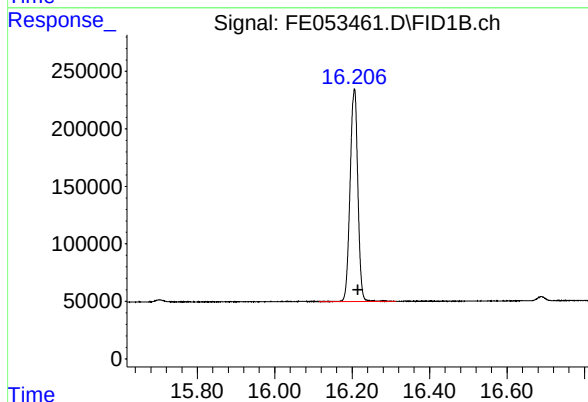
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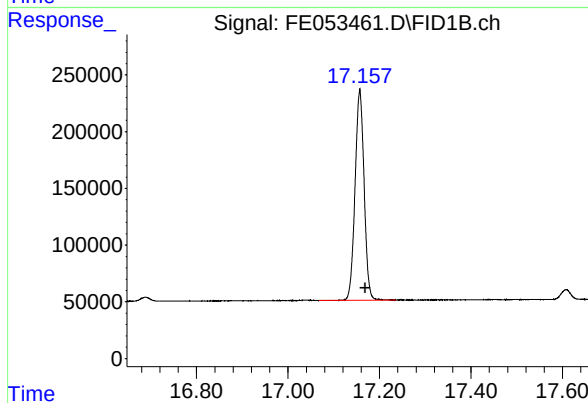
#14 n-Tetracosane (C24)

R.T.: 15.182 min
Delta R.T.: -0.009 min
Response: 2618041
Conc: 18.23 ug/ml



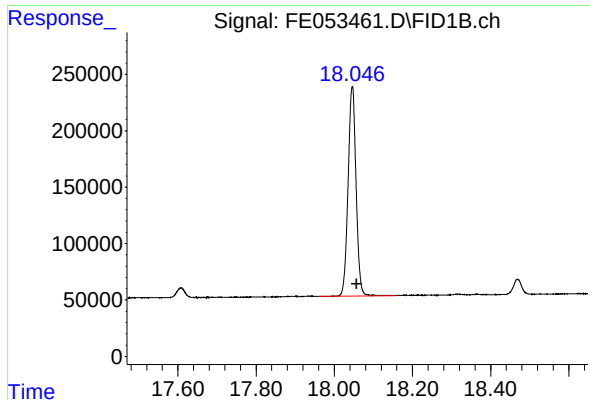
#15 n-Hexacosane (C26)

R.T.: 16.205 min
Delta R.T.: -0.011 min
Response: 2574253
Conc: 18.18 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.157 min
Delta R.T.: -0.012 min
Response: 2557862
Conc: 18.39 ug/ml



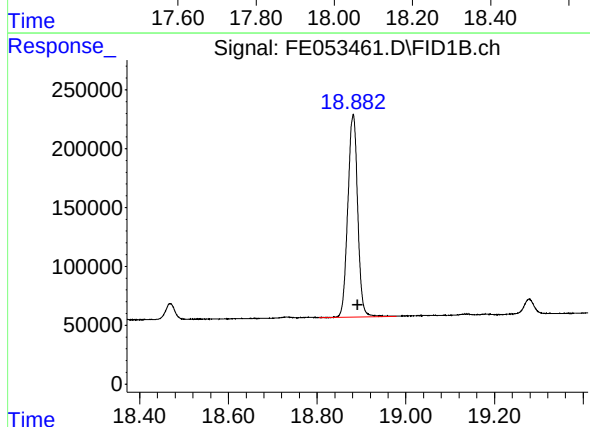
#17 n-Tricontane (C30)

R.T.: 18.046 min
Delta R.T.: -0.011 min
Response: 2642115
Conc: 18.98 ug/ml

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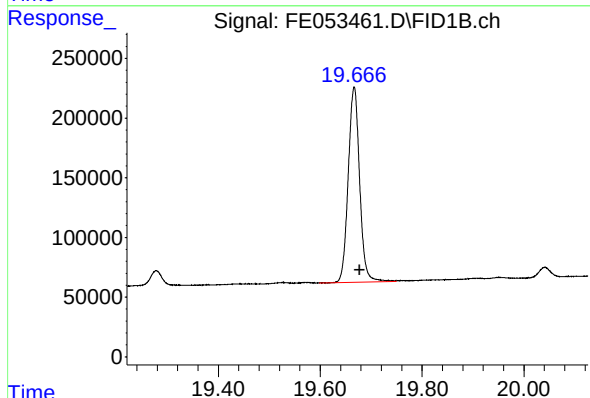
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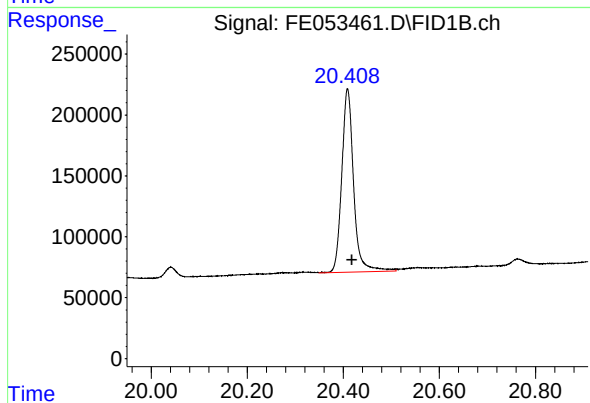
#18 n-Dotriacontane (C32)

R.T.: 18.881 min
Delta R.T.: -0.011 min
Response: 2653868
Conc: 19.33 ug/ml



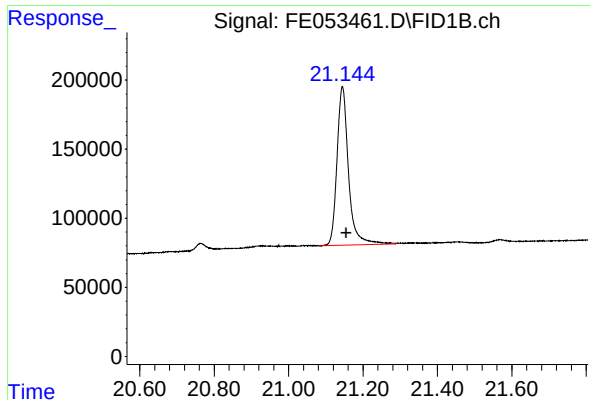
#19 n-Tetratriacontane (C34)

R.T.: 19.666 min
Delta R.T.: -0.011 min
Response: 2543758
Conc: 19.52 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.408 min
Delta R.T.: -0.010 min
Response: 2559547
Conc: 20.27 ug/ml m



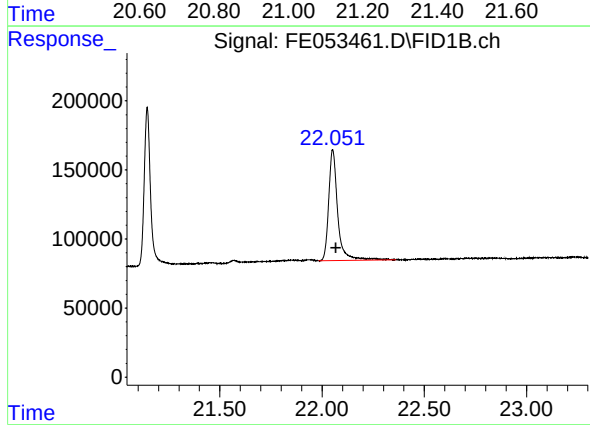
#21 n-Octatriacontane (C38)

R.T.: 21.144 min
Delta R.T.: -0.011 min
Response: 2464656
Conc: 20.23 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.051 min
Delta R.T.: -0.018 min
Response: 2479061
Conc: 20.76 ug/ml m