

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092624AL\
 Data File : FE050375.D
 Signal(s) : FID1B.ch
 Acq On : 26 Sep 2024 12:59
 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 09/27/2024
 Supervised By :Ankita Jodhani 09/27/2024

Integration File: autoint1.e
 Quant Time: Sep 27 01:33:47 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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)	11.866	2715713	18.253 ug/ml
Spiked Amount 50.000		Recovery =	36.51%
12) S 1-chlorooctadecane (S...	13.301	2062118	18.358 ug/ml
Spiked Amount 50.000		Recovery =	36.72%
Target Compounds			
1) T n-Nonane (C9)	3.256	2310813	17.048 ug/ml
2) T n-Decane (C10)	4.506	2462605	17.843 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2479989	17.718 ug/ml
4) T n-Dodecane (C12)	6.674	2493005	18.028 ug/mlm
5) T A~2-methylnaphthalene...	7.312	2349944	17.879 ug/ml
6) T n-Tetradecane (C14)	8.501	2482943	18.234 ug/ml
7) T n-Hexadecane (C16)	10.106	2570220	18.504 ug/ml
8) T n-Octadecane (C18)	11.547	2579767	18.413 ug/ml
10) T n-Eicosane (C20)	12.854	2470113	18.414 ug/mlm
11) T n-Heneicosane (C21)	13.466	2418586	18.407 ug/ml
13) T n-Docosane (C22)	14.051	2394490	18.388 ug/ml
14) T n-Tetracosane (C24)	15.153	2411933	18.469 ug/ml
15) T n-Hexacosane (C26)	16.171	2391601	18.693 ug/mlm
16) T n-Octacosane (C28)	17.120	2514181	19.519 ug/ml
17) T n-Tricontane (C30)	18.007	2816630	21.063 ug/ml
18) T n-Dotriacontane (C32)	18.839	2916519	21.886 ug/ml
19) T n-Tetratriacontane (C34)	19.621	2667064	21.585 ug/ml
20) T n-Hexatriacontane (C36)	20.360	2295408	20.689 ug/ml
21) T n-Octatriacontane (C38)	21.085	2173955	19.713 ug/mlm
22) T n-Tetracontane (C40)	21.973	2049830	18.838 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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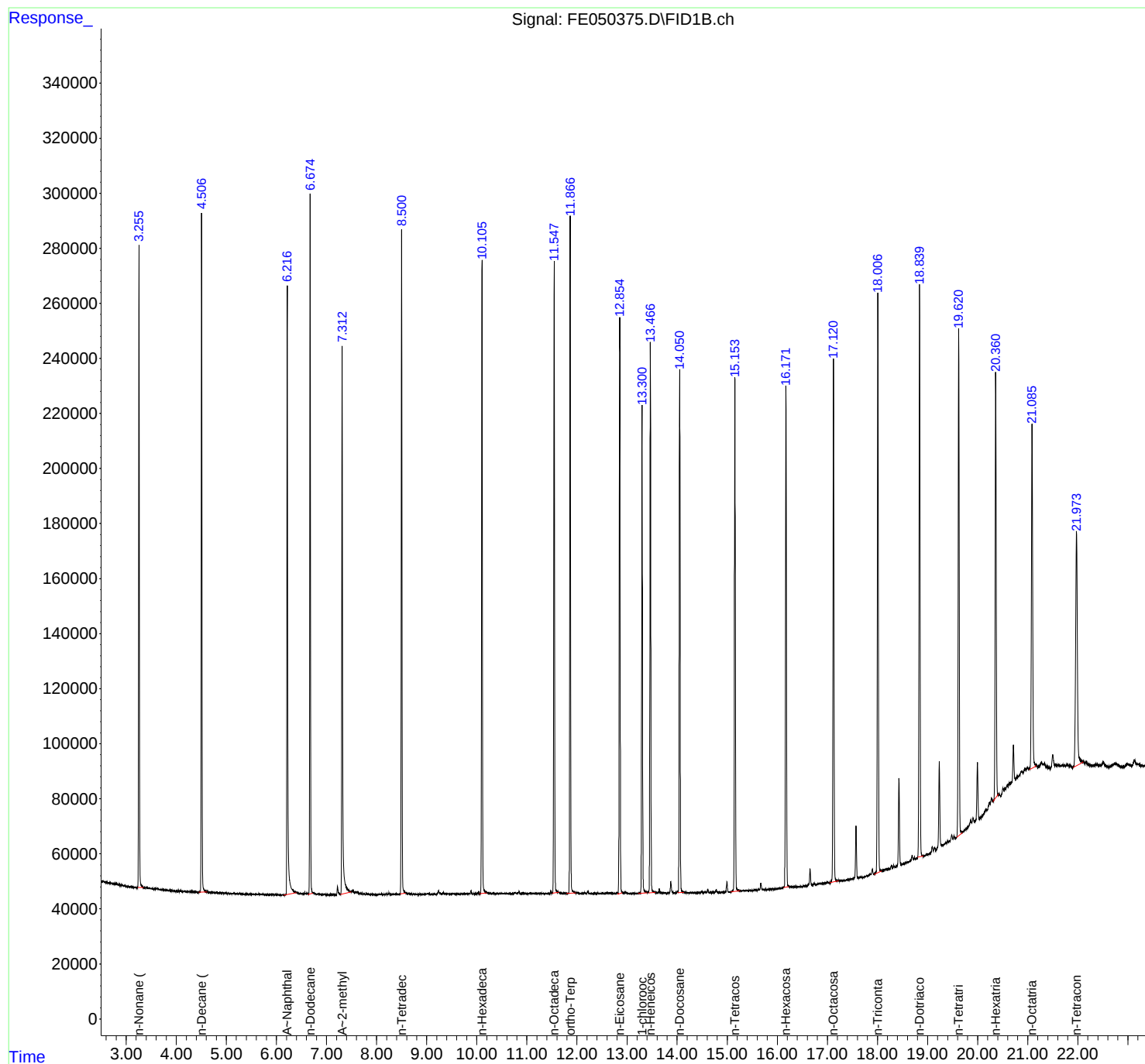
Instrument :
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20 PPM ALIPHATIC HC STD

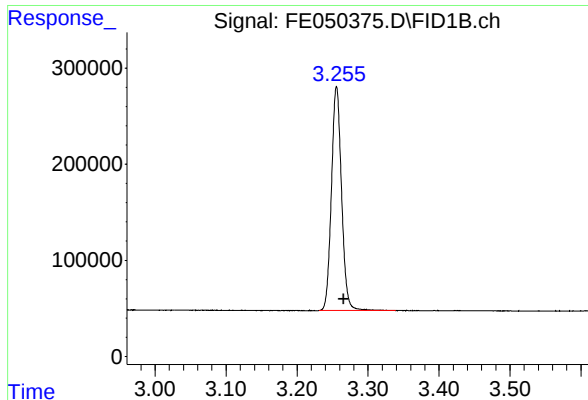
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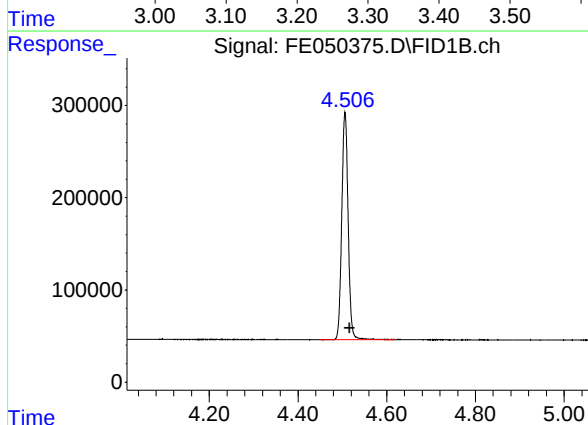
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.010 min
Response: 2310813
Conc: 17.05 ug/ml

Instrument : FID_E
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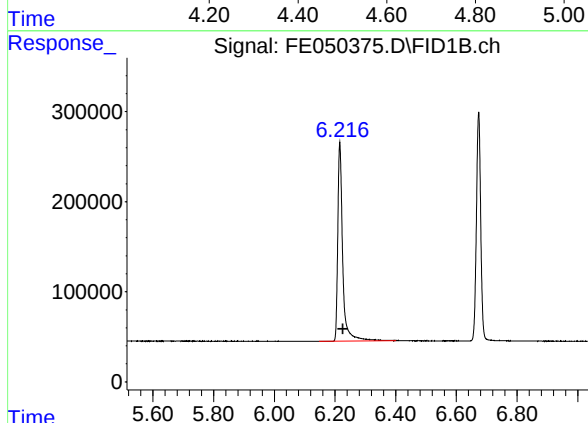
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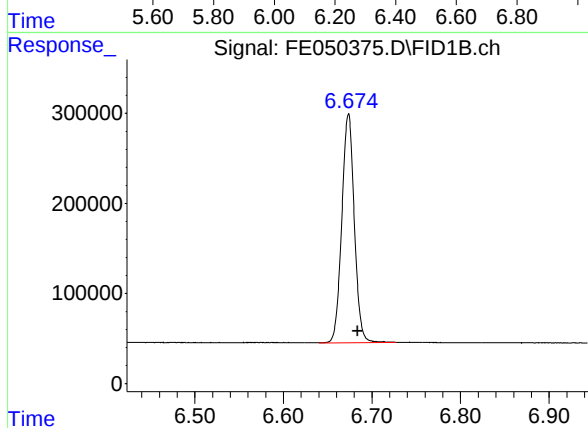
#2 n-Decane (C10)

R.T.: 4.506 min
Delta R.T.: -0.011 min
Response: 2462605
Conc: 17.84 ug/ml



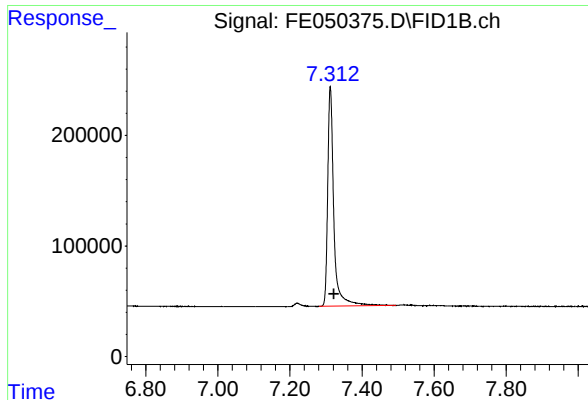
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2479989
Conc: 17.72 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2493005
Conc: 18.03 ug/ml m



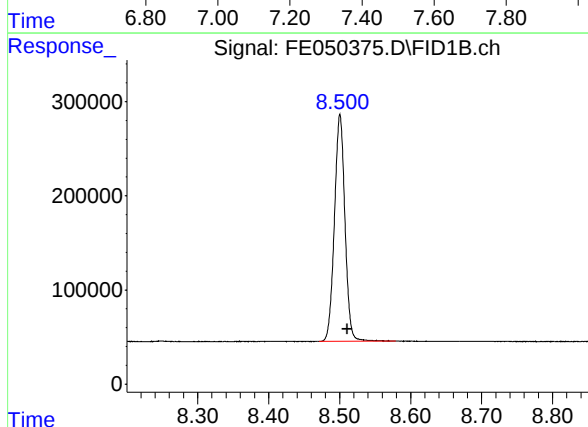
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2349944
Conc: 17.88 ug/ml

Instrument :
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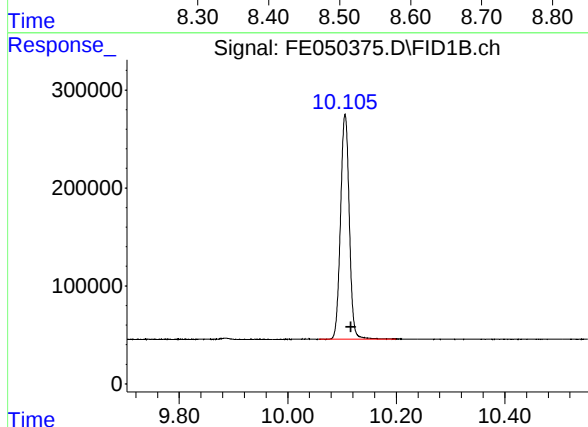
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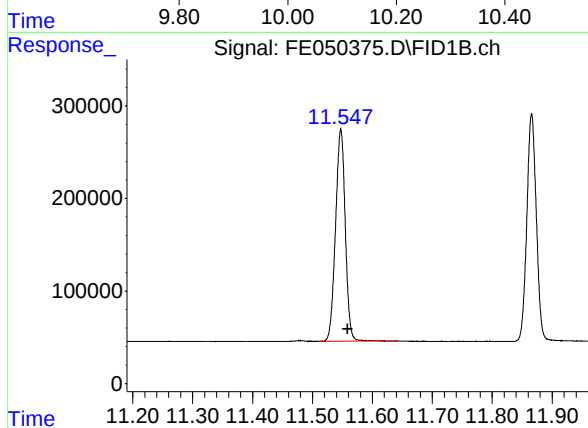
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2482943
Conc: 18.23 ug/ml



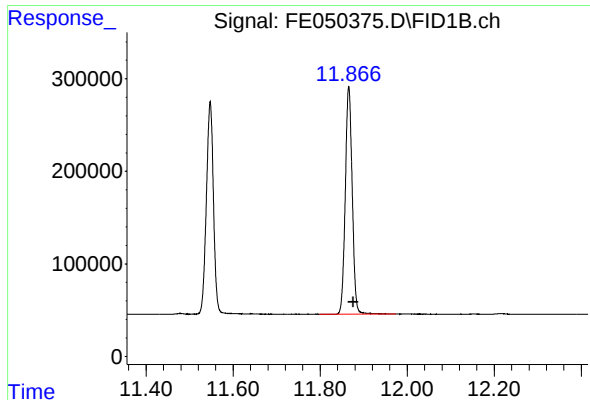
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2570220
Conc: 18.50 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.011 min
Response: 2579767
Conc: 18.41 ug/ml



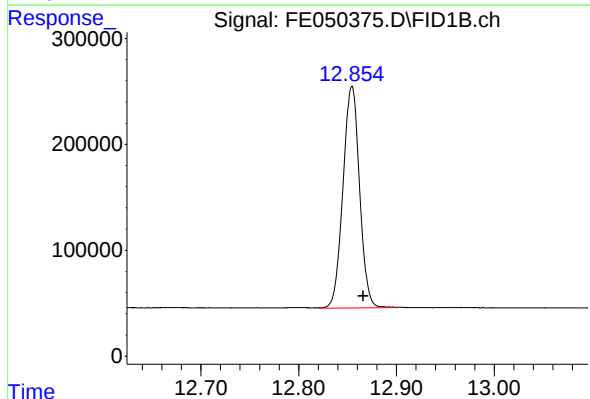
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.011 min
Response: 2715713
Conc: 18.25 ug/ml

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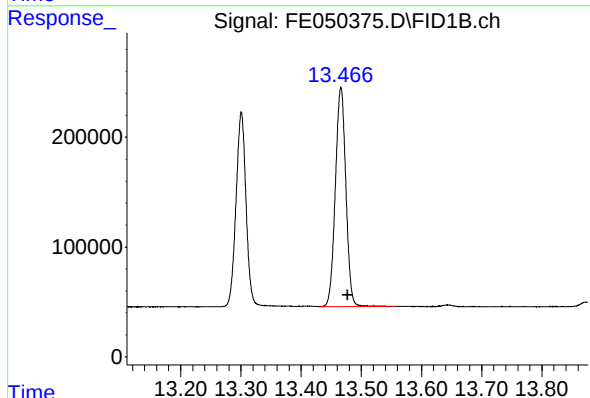
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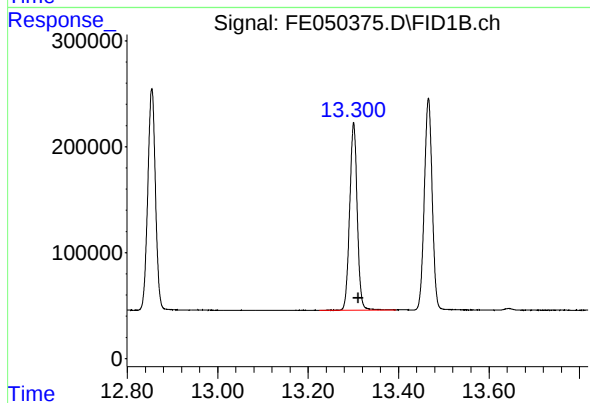
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2470113
Conc: 18.41 ug/ml



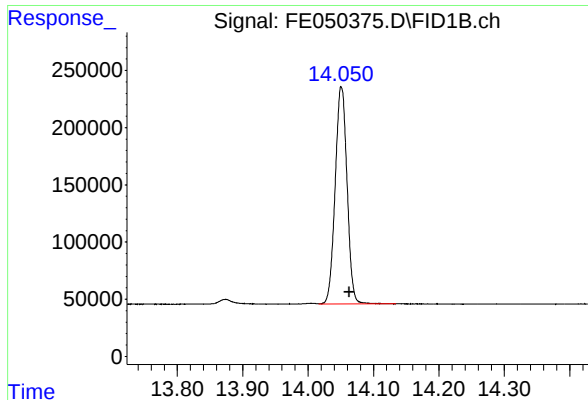
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.011 min
Response: 2418586
Conc: 18.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.011 min
Response: 2062118
Conc: 18.36 ug/ml



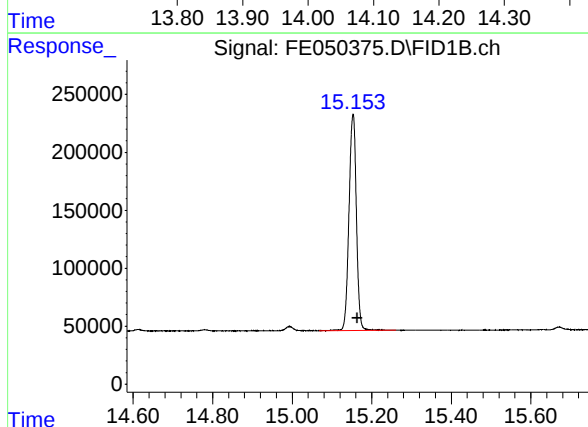
#13 n-Docosane (C22)

R.T.: 14.051 min
Delta R.T.: -0.012 min
Response: 2394490
Conc: 18.39 ug/ml

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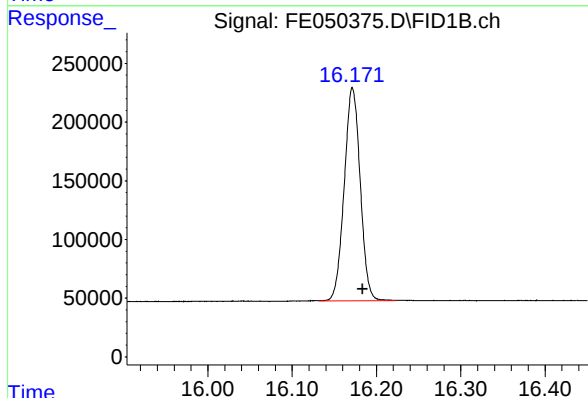
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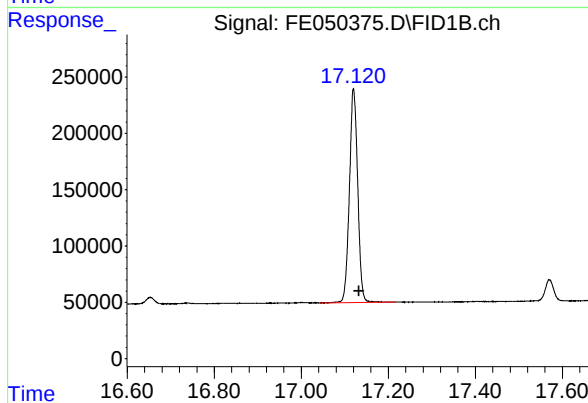
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.011 min
Response: 2411933
Conc: 18.47 ug/ml



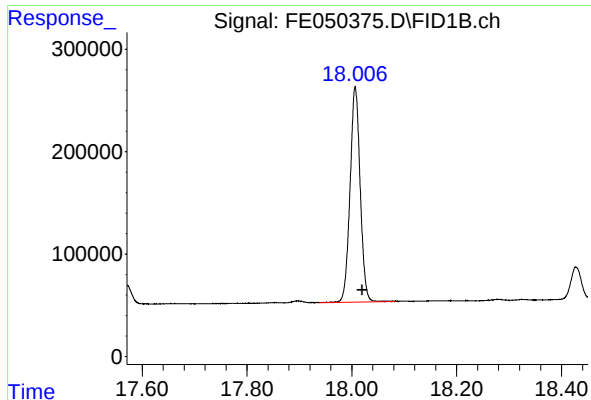
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.013 min
Response: 2391601
Conc: 18.69 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.013 min
Response: 2514181
Conc: 19.52 ug/ml



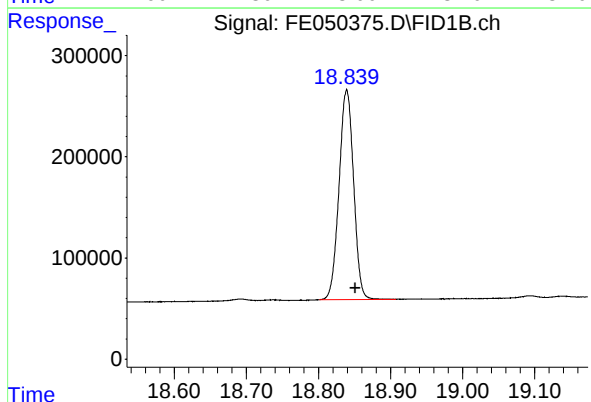
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.013 min
Response: 2816630
Conc: 21.06 ug/ml

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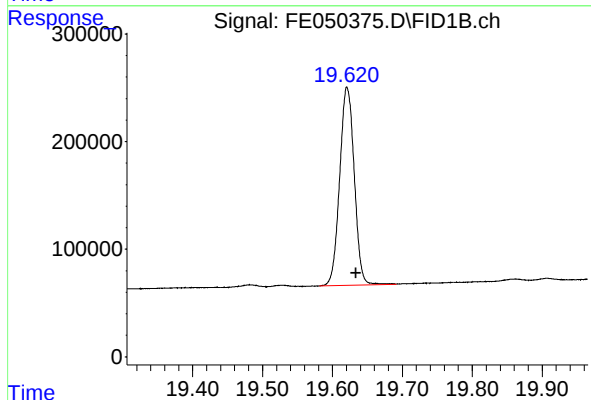
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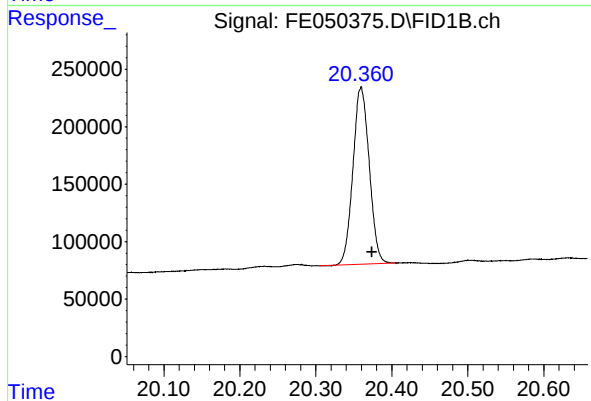
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.012 min
Response: 2916519
Conc: 21.89 ug/ml



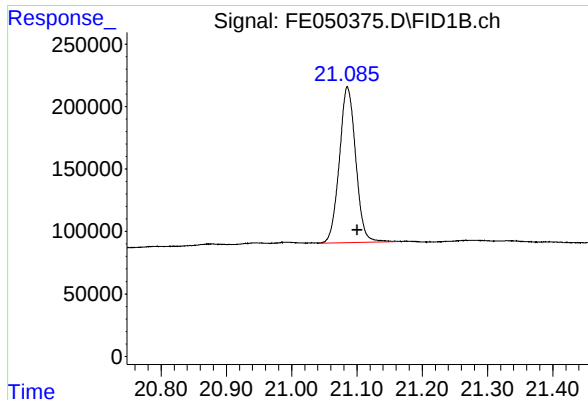
#19 n-Tetratriacontane (C34)

R.T.: 19.621 min
Delta R.T.: -0.013 min
Response: 2667064
Conc: 21.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.014 min
Response: 2295408
Conc: 20.69 ug/ml



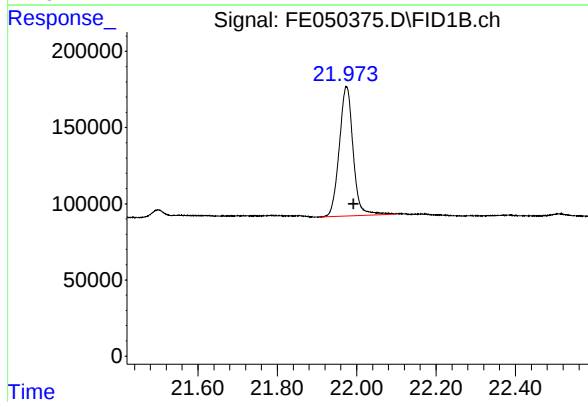
#21 n-Octatriacontane (C38)

R.T.: 21.085 min
Delta R.T.: -0.016 min
Response: 2173955
Conc: 19.71 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.973 min
Delta R.T.: -0.020 min
Response: 2049830
Conc: 18.84 ug/ml m