

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE101524AL\
 Data File : FE050682.D
 Signal(s) : FID1B.ch
 Acq On : 15 Oct 2024 21:30
 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 10/16/2024
 Supervised By :Ankita Jodhani 10/16/2024

Integration File: autoint1.e
 Quant Time: Oct 16 02:49:40 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.858	3115547	19.762 ug/ml
Spiked Amount 50.000		Recovery =	39.52%
12) S 1-chlorooctadecane (S...	13.292	2362590	19.972 ug/ml
Spiked Amount 50.000		Recovery =	39.94%
Target Compounds			
1) T n-Nonane (C9)	3.247	2769255	19.600 ug/ml
2) T n-Decane (C10)	4.497	2861097	19.941 ug/ml
3) T A~Naphthalene (C11.7)	6.209	2862838	20.021 ug/ml
4) T n-Dodecane (C12)	6.665	2878470	19.999 ug/ml
5) T A~2-methylnaphthalene...	7.304	2672038	20.169 ug/ml
6) T n-Tetradecane (C14)	8.491	2861196	19.999 ug/ml
7) T n-Hexadecane (C16)	10.097	2960350	20.115 ug/ml
8) T n-Octadecane (C18)	11.538	2989397	20.013 ug/ml
10) T n-Eicosane (C20)	12.846	2857784	19.929 ug/ml
11) T n-Heneicosane (C21)	13.457	2788338	19.855 ug/ml
13) T n-Docosane (C22)	14.042	2797520	19.940 ug/ml
14) T n-Tetracosane (C24)	15.143	2804320	19.850 ug/ml
15) T n-Hexacosane (C26)	16.162	2825534	20.080 ug/mlm
16) T n-Octacosane (C28)	17.110	2973547	20.321 ug/ml
17) T n-Tricontane (C30)	17.997	3315249	20.850 ug/ml
18) T n-Dotriacontane (C32)	18.828	3431199	21.165 ug/ml
19) T n-Tetratriacontane (C34)	19.612	3086713	21.014 ug/ml
20) T n-Hexatriacontane (C36)	20.350	2662106	20.992 ug/ml
21) T n-Octatriacontane (C38)	21.073	2498664	20.208 ug/ml
22) T n-Tetracontane (C40)	21.958	1972651	17.716 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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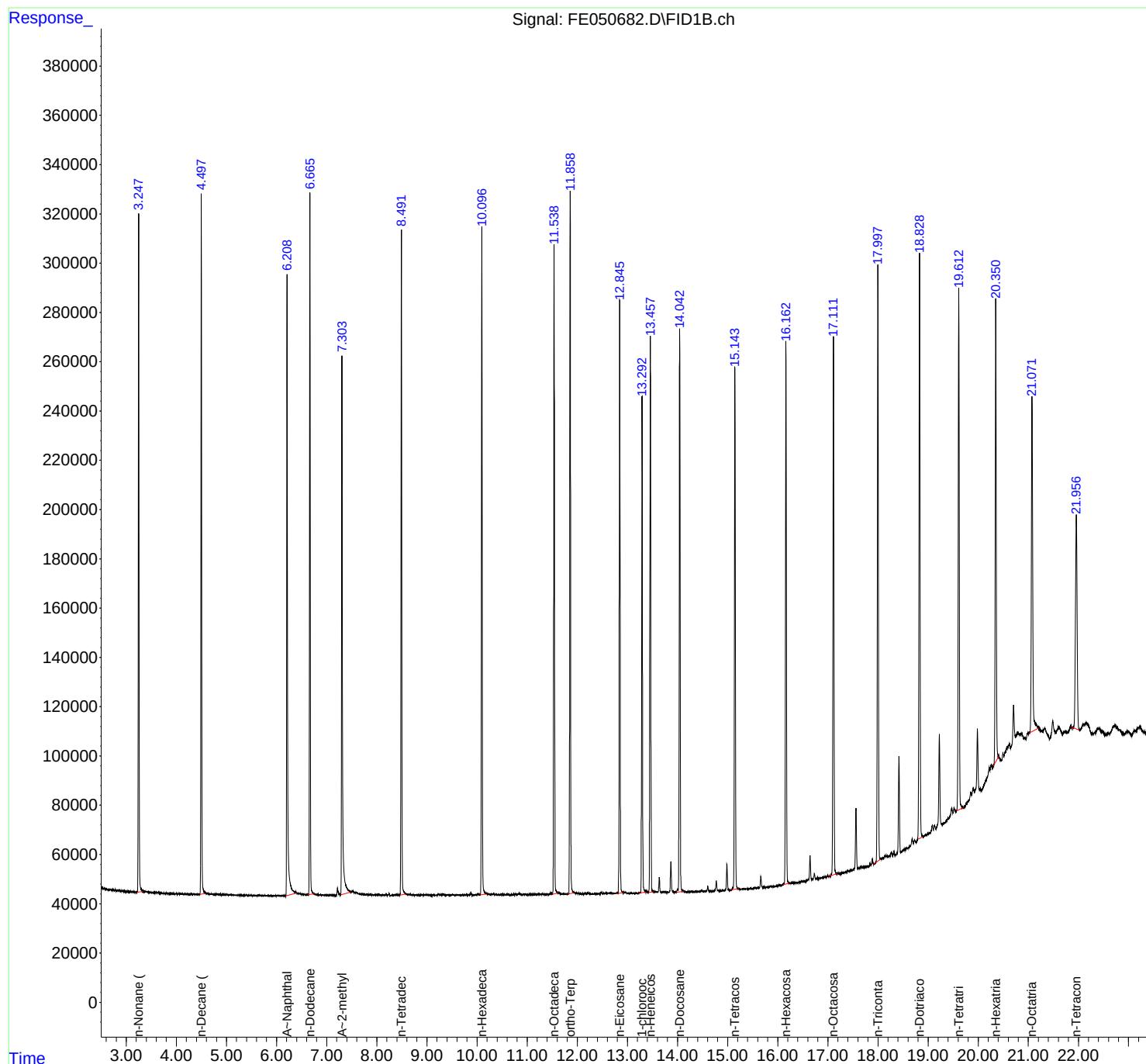
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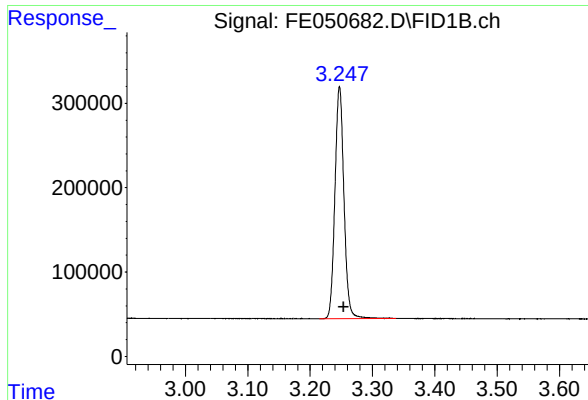
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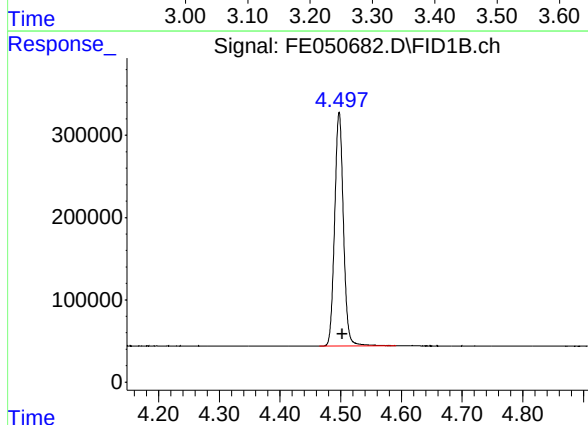
#1 n-Nonane (C9)

R.T.: 3.247 min
Delta R.T.: -0.007 min
Response: 2769255
Conc: 19.60 ug/ml

Instrument : FID_E
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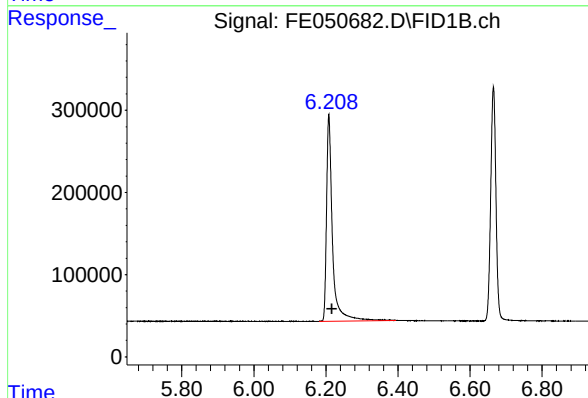
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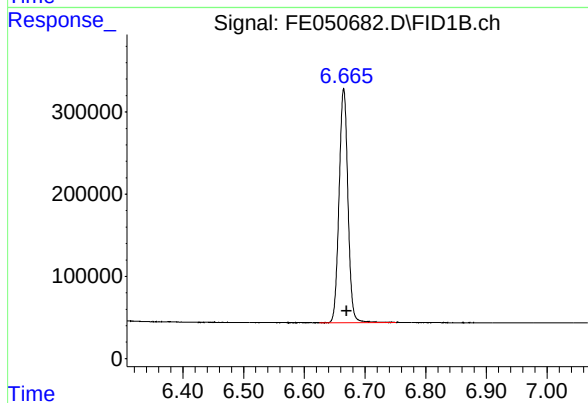
#2 n-Decane (C10)

R.T.: 4.497 min
Delta R.T.: -0.005 min
Response: 2861097
Conc: 19.94 ug/ml



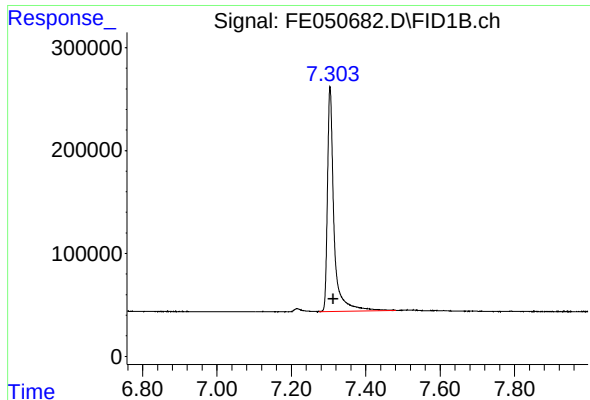
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.008 min
Response: 2862838
Conc: 20.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.005 min
Response: 2878470
Conc: 20.00 ug/ml



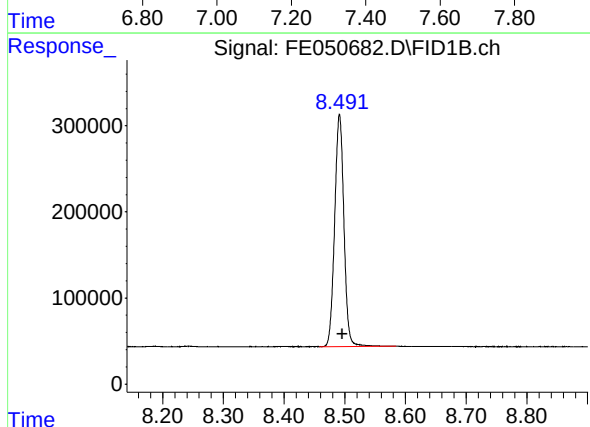
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.304 min
Delta R.T.: -0.009 min
Response: 2672038
Conc: 20.17 ug/ml

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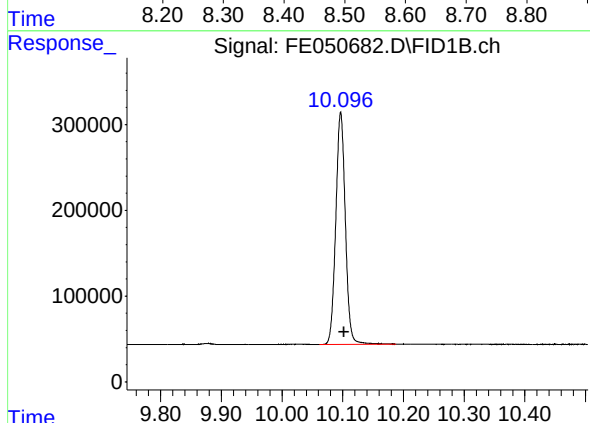
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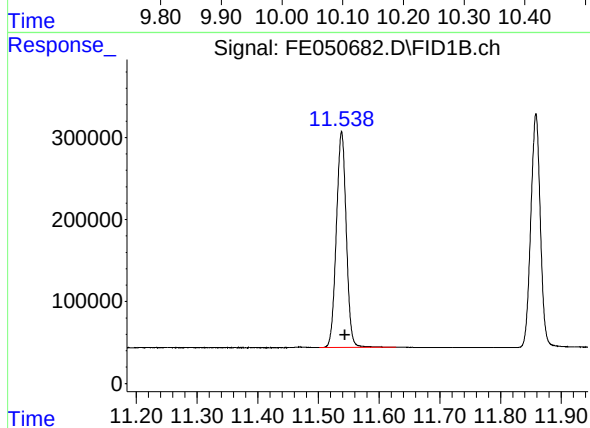
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.005 min
Response: 2861196
Conc: 20.00 ug/ml



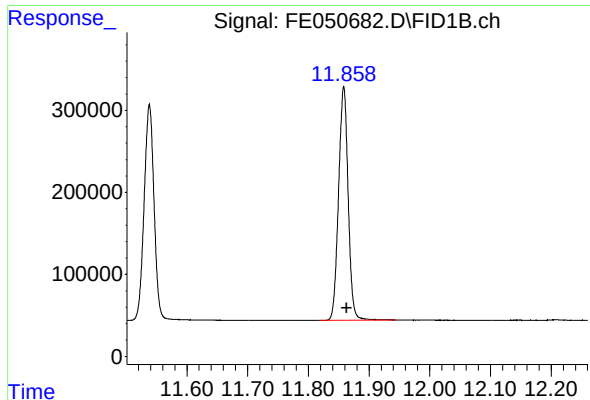
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.005 min
Response: 2960350
Conc: 20.12 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min
Delta R.T.: -0.006 min
Response: 2989397
Conc: 20.01 ug/ml



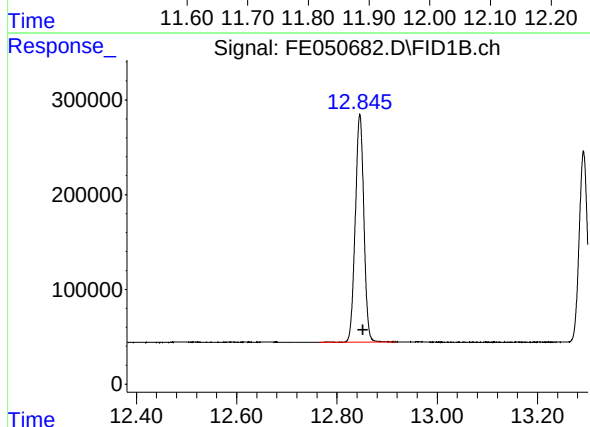
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.005 min
Response: 3115547
Conc: 19.76 ug/ml

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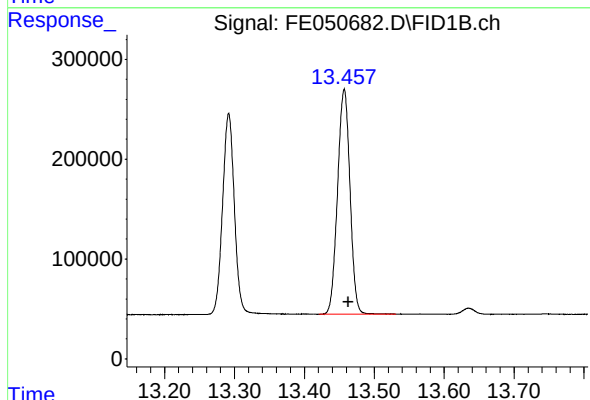
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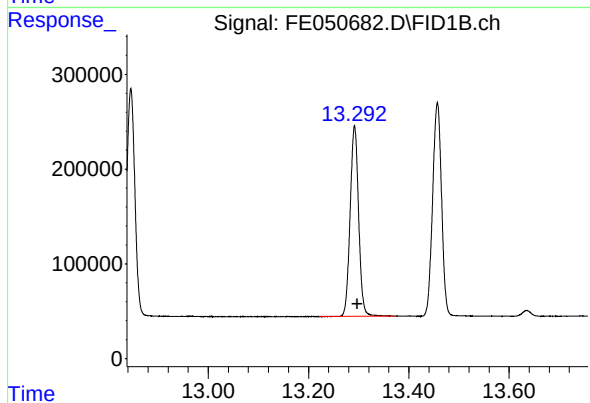
#10 n-Eicosane (C20)

R.T.: 12.846 min
Delta R.T.: -0.006 min
Response: 2857784
Conc: 19.93 ug/ml



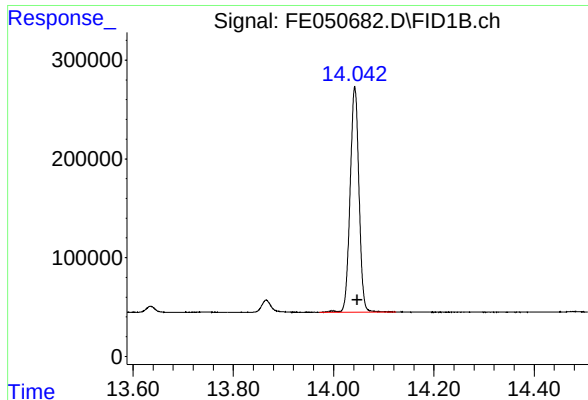
#11 n-Heneicosane (C21)

R.T.: 13.457 min
Delta R.T.: -0.006 min
Response: 2788338
Conc: 19.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.292 min
Delta R.T.: -0.006 min
Response: 2362590
Conc: 19.97 ug/ml



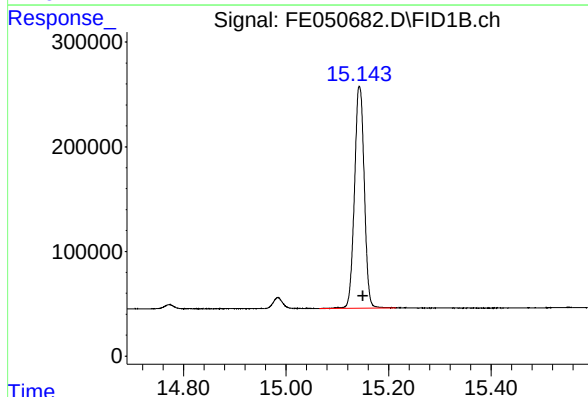
#13 n-Docosane (C22)

R.T.: 14.042 min
Delta R.T.: -0.006 min
Response: 2797520
Conc: 19.94 ug/ml

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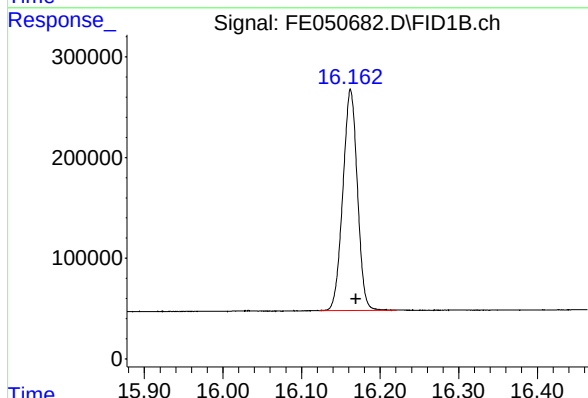
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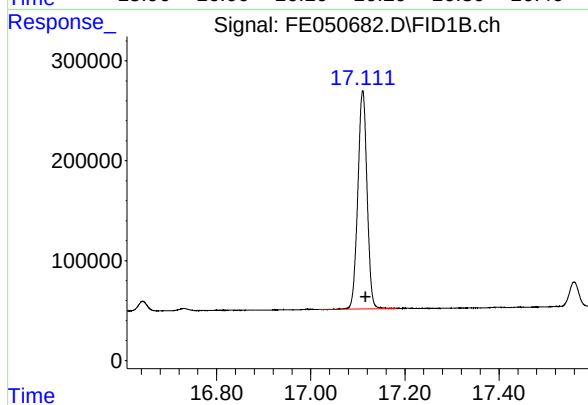
#14 n-Tetracosane (C24)

R.T.: 15.143 min
Delta R.T.: -0.007 min
Response: 2804320
Conc: 19.85 ug/ml



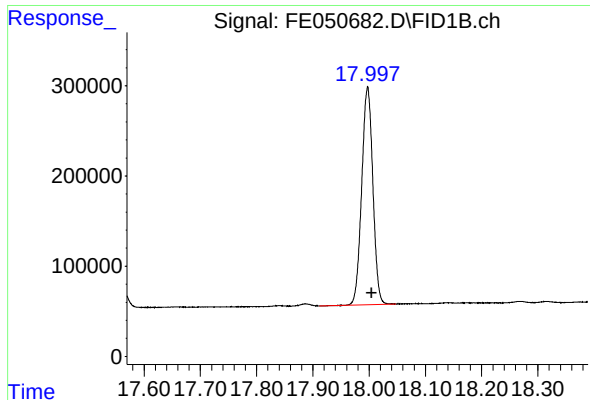
#15 n-Hexacosane (C26)

R.T.: 16.162 min
Delta R.T.: -0.008 min
Response: 2825534
Conc: 20.08 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.110 min
Delta R.T.: -0.007 min
Response: 2973547
Conc: 20.32 ug/ml



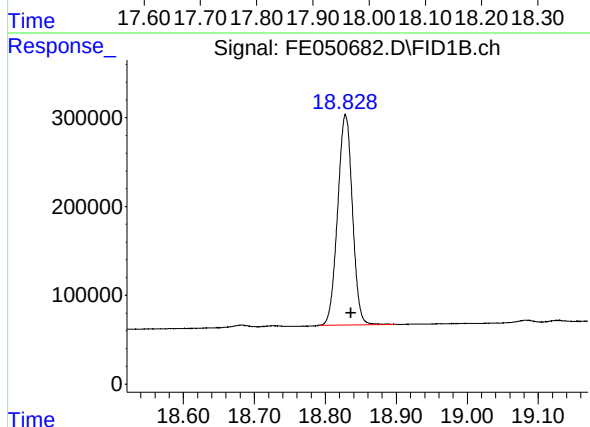
#17 n-Tricontane (C30)

R.T.: 17.997 min
Delta R.T.: -0.007 min
Response: 3315249
Conc: 20.85 ug/ml

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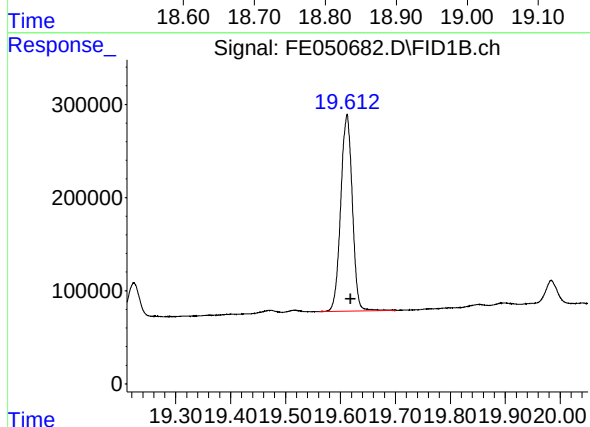
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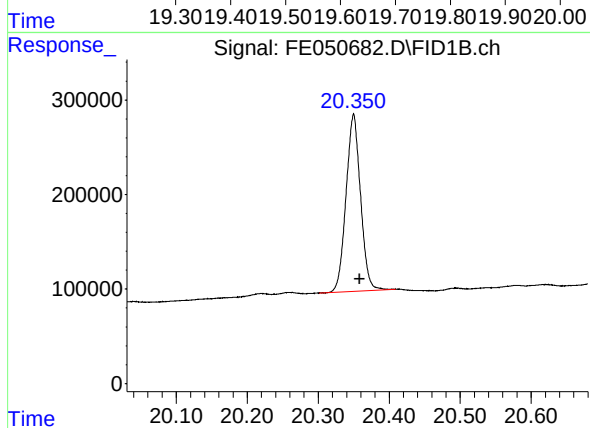
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.008 min
Response: 3431199
Conc: 21.17 ug/ml



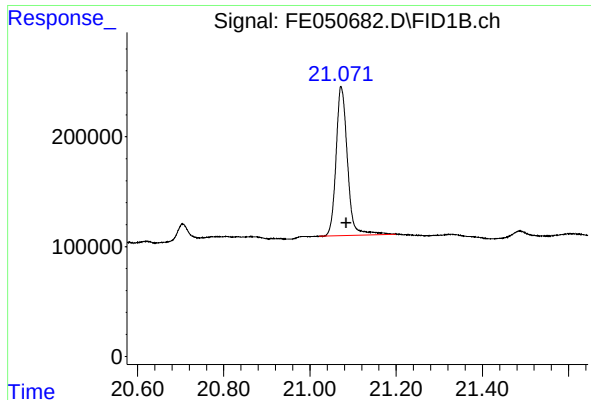
#19 n-Tetratriacontane (C34)

R.T.: 19.612 min
Delta R.T.: -0.007 min
Response: 3086713
Conc: 21.01 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: -0.009 min
Response: 2662106
Conc: 20.99 ug/ml



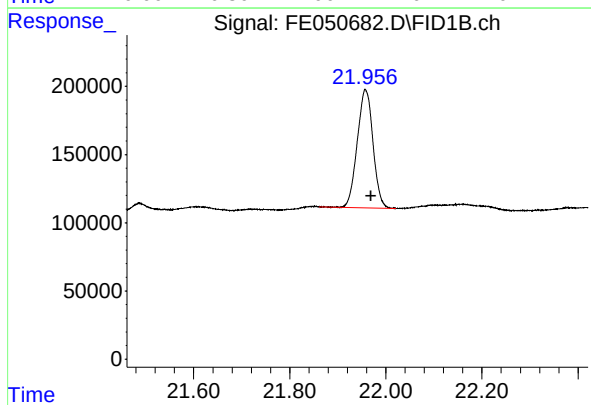
#21 n-Octatriacontane (C38)

R.T.: 21.073 min
Delta R.T.: -0.011 min
Response: 2498664
Conc: 20.21 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.958 min
Delta R.T.: -0.011 min
Response: 1972651
Conc: 17.72 ug/ml