

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
 Data File : FE050266.D
 Signal(s) : FID1B.ch
 Acq On : 21 Sep 2024 03:29
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 21 07:50:26 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	3025402	20.335 ug/ml
Spiked Amount 50.000		Recovery =	40.67%
12) S 1-chlorooctadecane (S...	13.301	2271022	20.218 ug/ml
Spiked Amount 50.000		Recovery =	40.44%
Target Compounds			
1) T n-Nonane (C9)	3.256	2675300	19.737 ug/mlm
2) T n-Decane (C10)	4.507	2786796	20.193 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2827000	20.197 ug/ml
4) T n-Dodecane (C12)	6.674	2778457	20.092 ug/ml
5) T A~2-methylnaphthalene...	7.312	2633693	20.037 ug/ml
6) T n-Tetradecane (C14)	8.501	2776846	20.392 ug/ml
7) T n-Hexadecane (C16)	10.106	2845142	20.483 ug/ml
8) T n-Octadecane (C18)	11.547	2872147	20.500 ug/ml
10) T n-Eicosane (C20)	12.854	2729019	20.344 ug/mlm
11) T n-Heneicosane (C21)	13.466	2682206	20.413 ug/ml
13) T n-Docosane (C22)	14.051	2655347	20.392 ug/ml
14) T n-Tetracosane (C24)	15.153	2654930	20.330 ug/ml
15) T n-Hexacosane (C26)	16.172	2617977	20.463 ug/ml
16) T n-Octacosane (C28)	17.120	2725268	21.157 ug/ml
17) T n-Tricontane (C30)	18.006	2991869	22.374 ug/ml
18) T n-Dotriacontane (C32)	18.838	3053959	22.918 ug/ml
19) T n-Tetratriacontane (C34)	19.621	2783250	22.525 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2464595	22.214 ug/ml
21) T n-Octatriacontane (C38)	21.084	2292252	20.786 ug/mlm
22) T n-Tetracontane (C40)	21.969	2138246	19.650 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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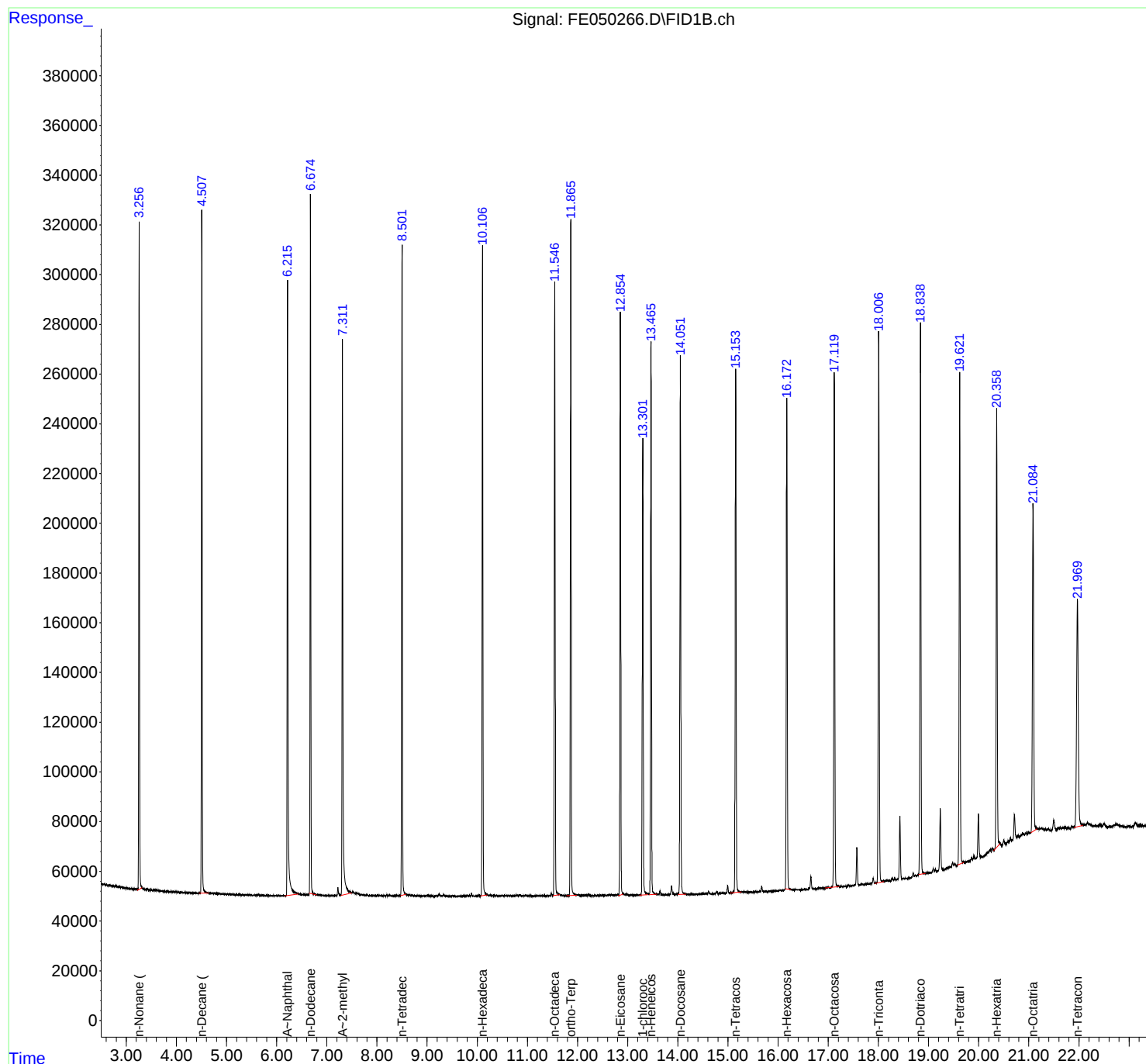
Instrument :
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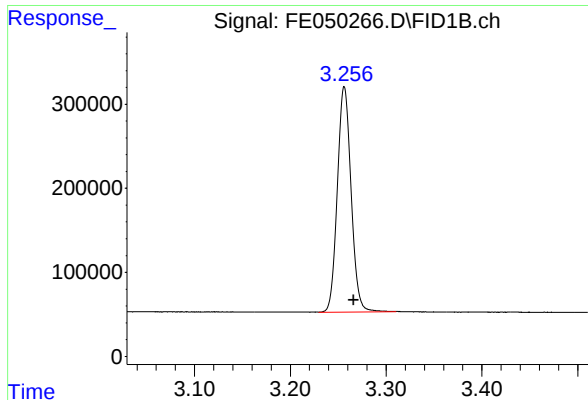
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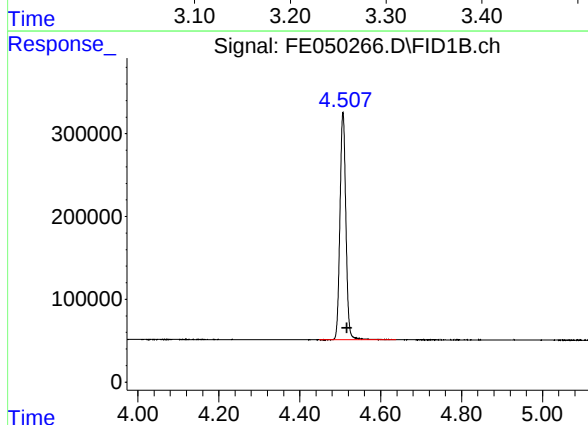
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.010 min
Response: 2675300
Conc: 19.74 ug/ml

Instrument :
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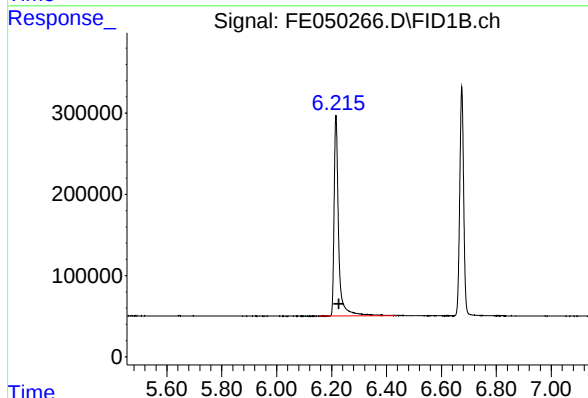
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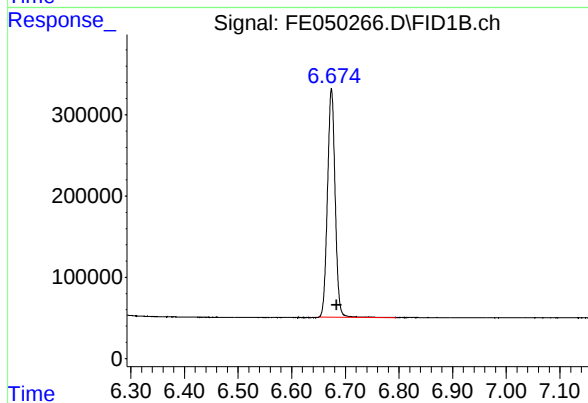
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2786796
Conc: 20.19 ug/ml



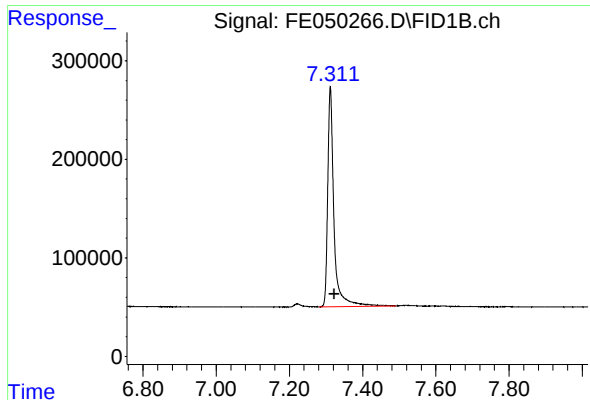
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2827000
Conc: 20.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2778457
Conc: 20.09 ug/ml



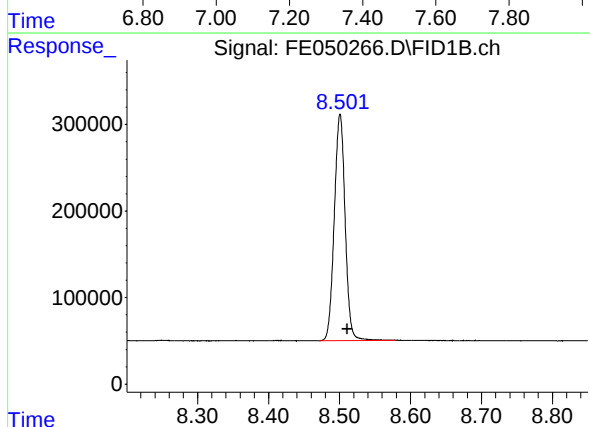
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2633693
Conc: 20.04 ug/ml

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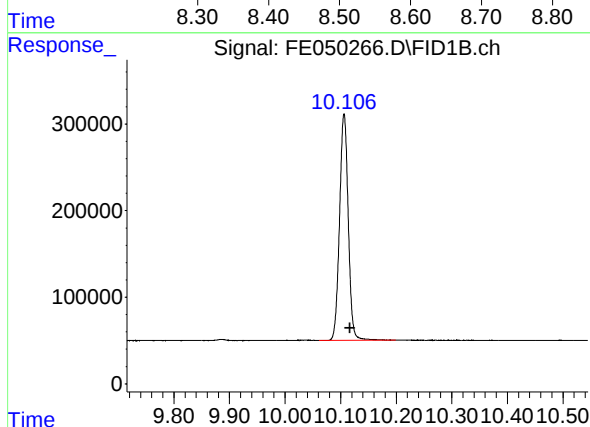
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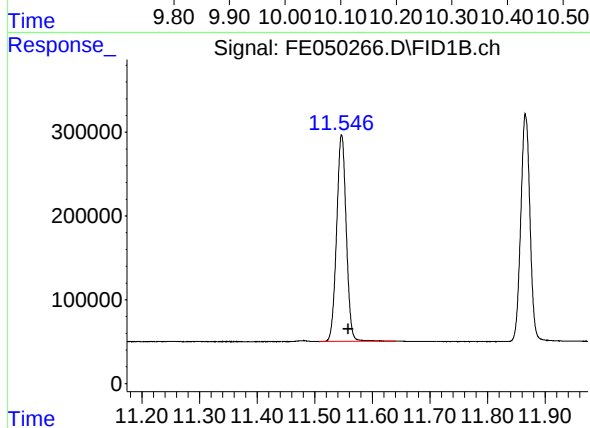
#6 n-Tetradecane (C14)

R.T.: 8.501 min
Delta R.T.: -0.010 min
Response: 2776846
Conc: 20.39 ug/ml



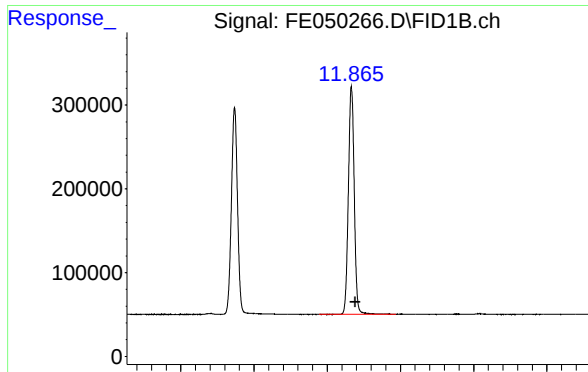
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2845142
Conc: 20.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.012 min
Response: 2872147
Conc: 20.50 ug/ml



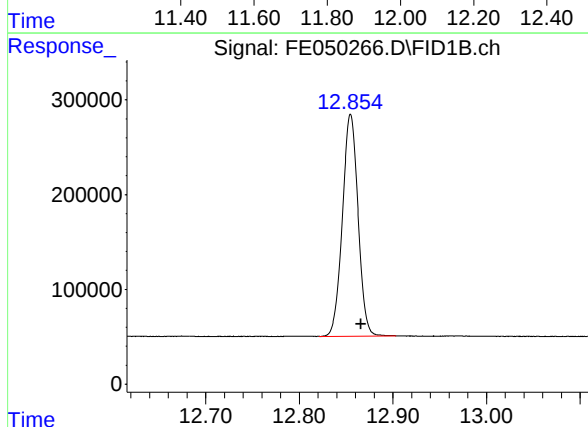
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.010 min
Response: 3025402
Conc: 20.33 ug/ml

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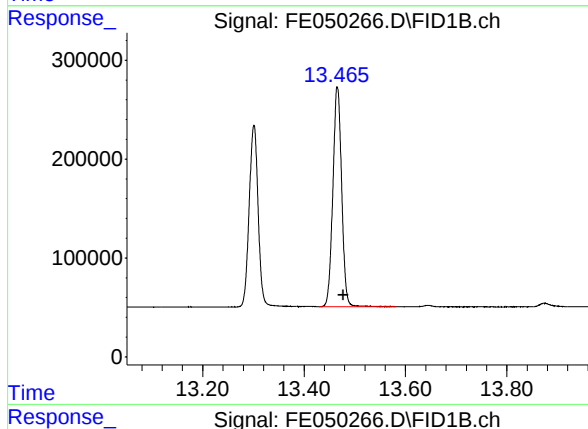
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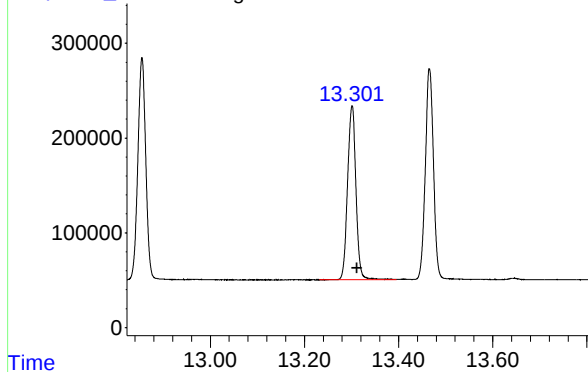
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2729019
Conc: 20.34 ug/ml



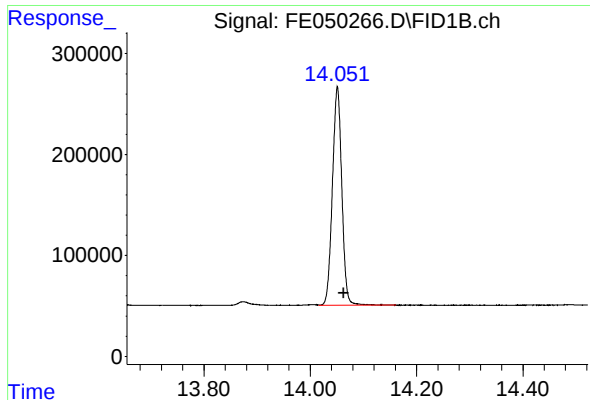
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.012 min
Response: 2682206
Conc: 20.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.011 min
Response: 2271022
Conc: 20.22 ug/ml



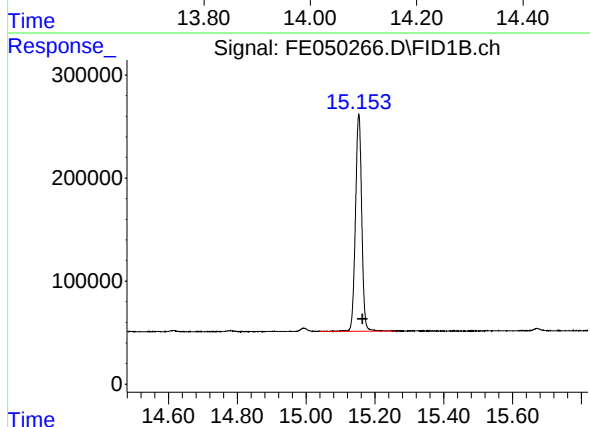
#13 n-Docosane (C22)

R.T.: 14.051 min
Delta R.T.: -0.012 min
Response: 2655347
Conc: 20.39 ug/ml

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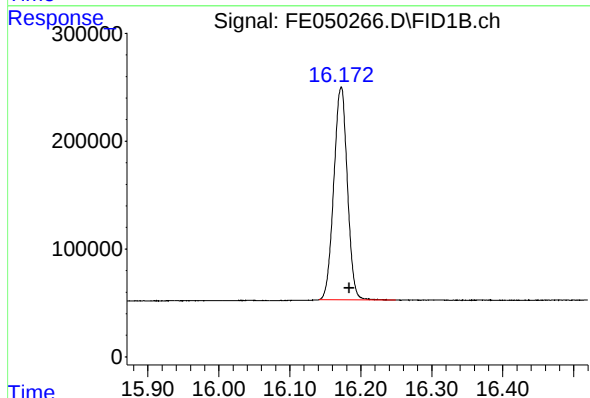
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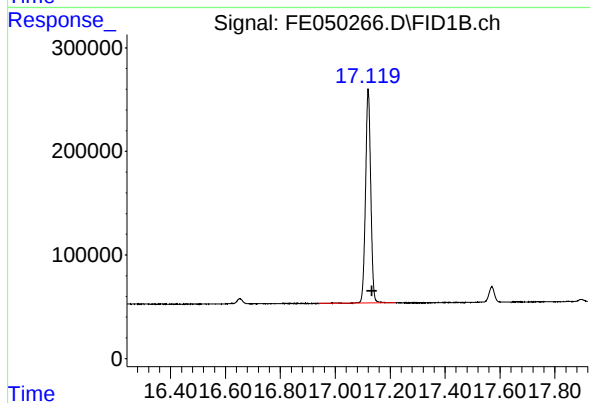
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.011 min
Response: 2654930
Conc: 20.33 ug/ml



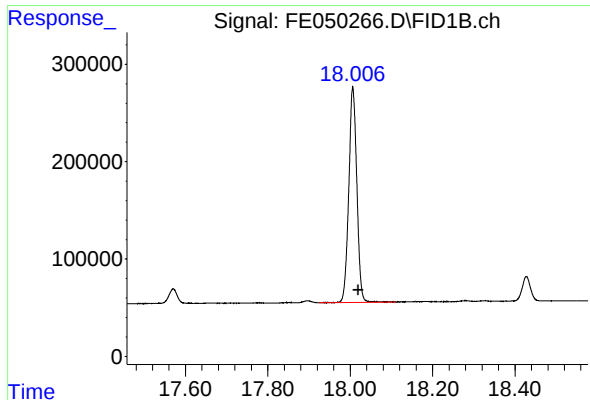
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.012 min
Response: 2617977
Conc: 20.46 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.120 min
Delta R.T.: -0.013 min
Response: 2725268
Conc: 21.16 ug/ml



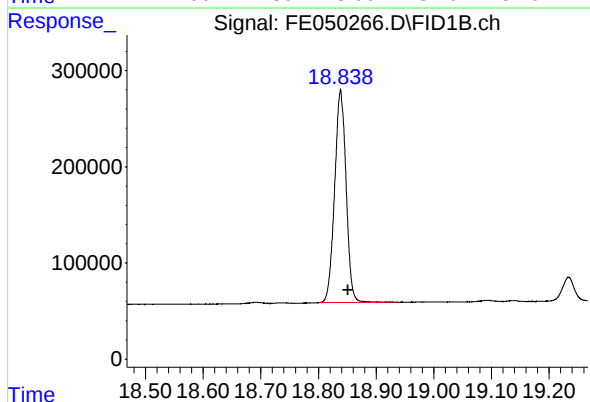
#17 n-Tricontane (C30)

R.T.: 18.006 min
Delta R.T.: -0.013 min
Response: 2991869
Conc: 22.37 ug/ml

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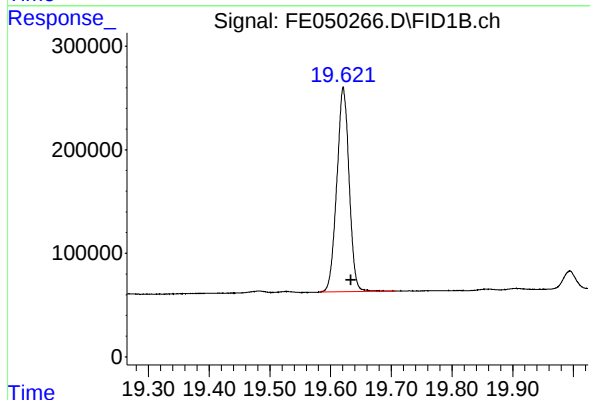
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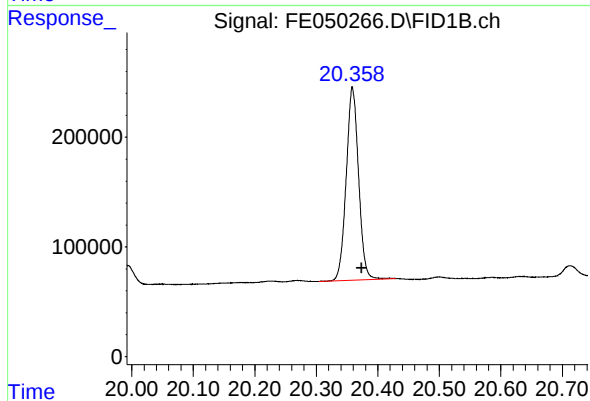
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 3053959
Conc: 22.92 ug/ml



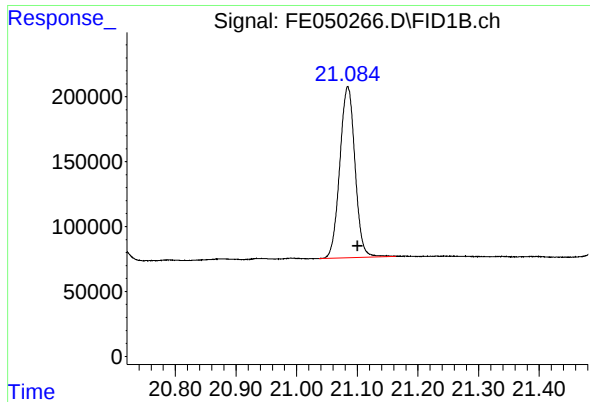
#19 n-Tetatriacontane (C34)

R.T.: 19.621 min
Delta R.T.: -0.013 min
Response: 2783250
Conc: 22.53 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.015 min
Response: 2464595
Conc: 22.21 ug/ml



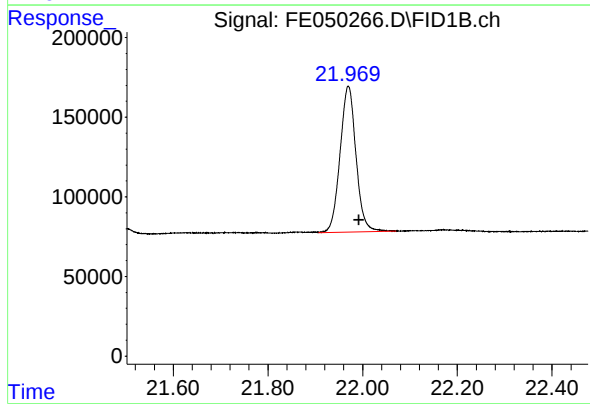
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.017 min
Response: 2292252
Conc: 20.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.969 min
Delta R.T.: -0.024 min
Response: 2138246
Conc: 19.65 ug/ml m