

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051424AL\
 Data File : FE048157.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2024 13:29
 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 05/15/2024
 Supervised By :Ankita Jodhani 05/15/2024

Integration File: autoint1.e
 Quant Time: May 15 05:55:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.955	2882472	19.980 ug/ml
Spiked Amount 50.000		Recovery =	39.96%
12) S 1-chlorooctadecane (S...	13.389	2134418	19.101 ug/ml
Spiked Amount 50.000		Recovery =	38.20%
Target Compounds			
1) T n-Nonane (C9)	3.346	2922568	22.677 ug/ml
2) T n-Decane (C10)	4.594	2941902	22.346 ug/ml
3) T A~Naphthalene (C11.7)	6.298	2954671	21.398 ug/ml
4) T n-Dodecane (C12)	6.758	2886412	21.652 ug/ml
5) T A~2-methylnaphthalene...	7.393	2761958	20.755 ug/ml
6) T n-Tetradecane (C14)	8.586	2697983	20.359 ug/ml
7) T n-Hexadecane (C16)	10.192	2809825	20.430 ug/ml
8) T n-Octadecane (C18)	11.634	2821615	20.256 ug/ml
10) T n-Eicosane (C20)	12.944	2667828	19.814 ug/ml
11) T n-Heneicosane (C21)	13.555	2602427	19.660 ug/ml
13) T n-Docosane (C22)	14.141	2572620	19.413 ug/ml
14) T n-Tetracosane (C24)	15.242	2566730	19.276 ug/ml
15) T n-Hexacosane (C26)	16.262	2539786	19.033 ug/ml
16) T n-Octacosane (C28)	17.211	2516266	18.898 ug/ml
17) T n-Tricontane (C30)	18.096	2610253	18.913 ug/ml
18) T n-Dotriacontane (C32)	18.928	2597765	18.807 ug/ml
19) T n-Tetratriacontane (C34)	19.711	2520086	18.500 ug/ml
20) T n-Hexatriacontane (C36)	20.449	2425288	17.912 ug/ml
21) T n-Octatriacontane (C38)	21.186	2279400	16.509 ug/ml
22) T n-Tetracontane (C40)	22.106	2127735	15.272 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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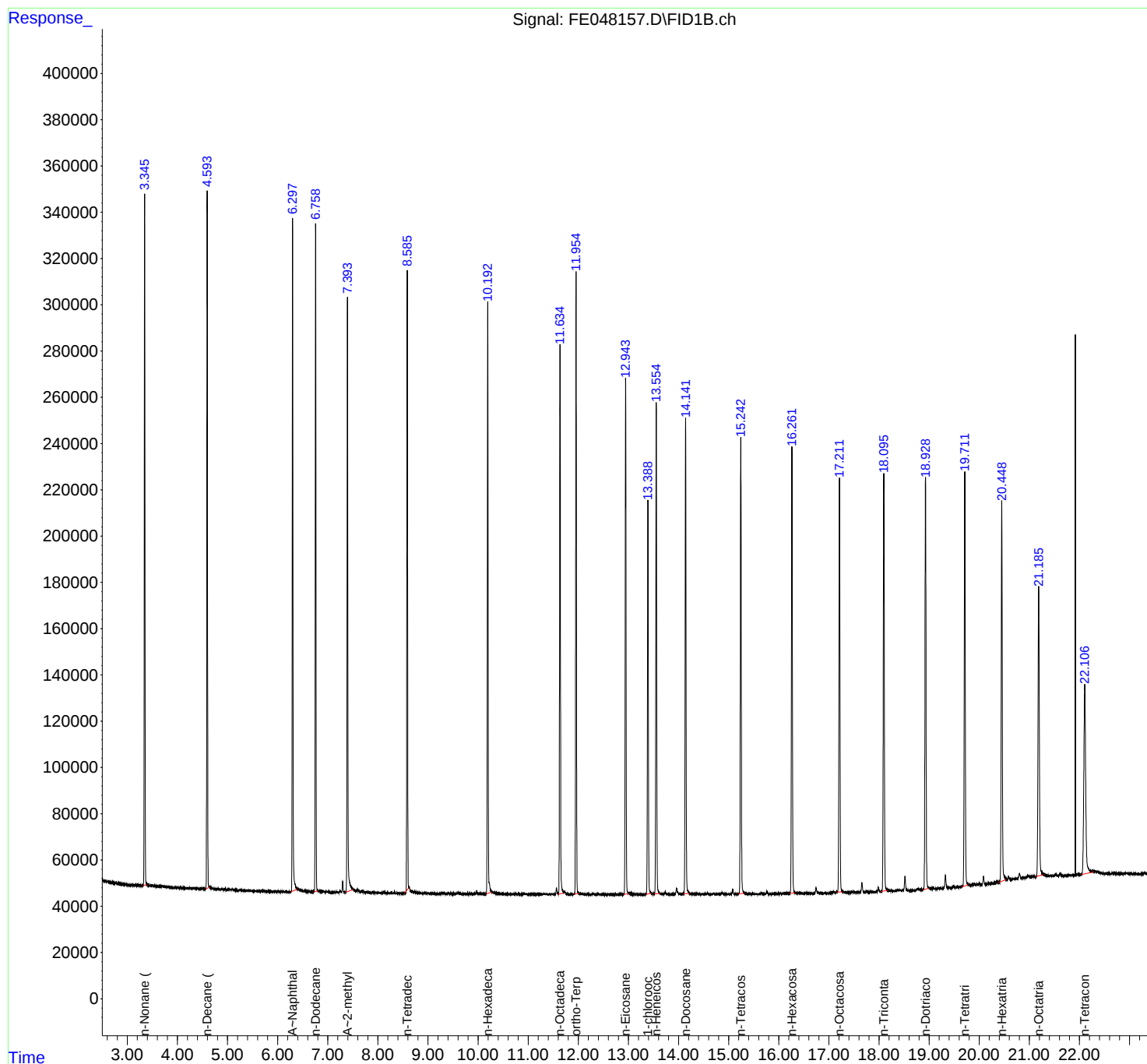
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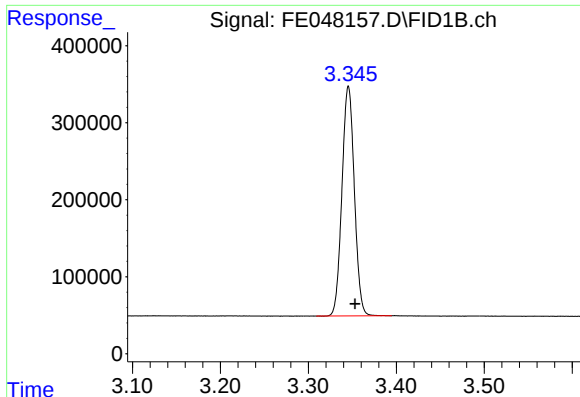
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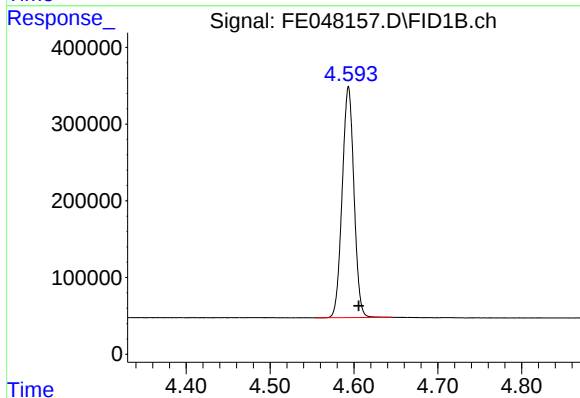
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: -0.007 min
Response: 2922568
Conc: 22.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

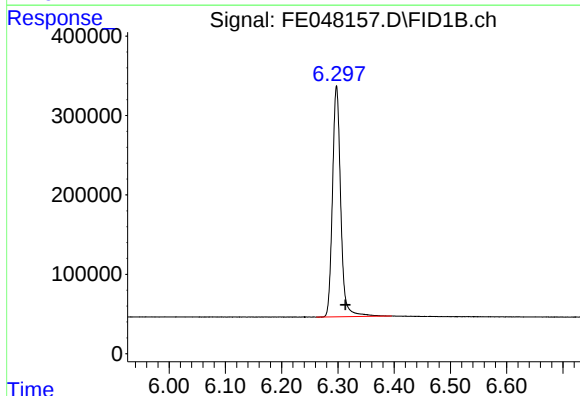
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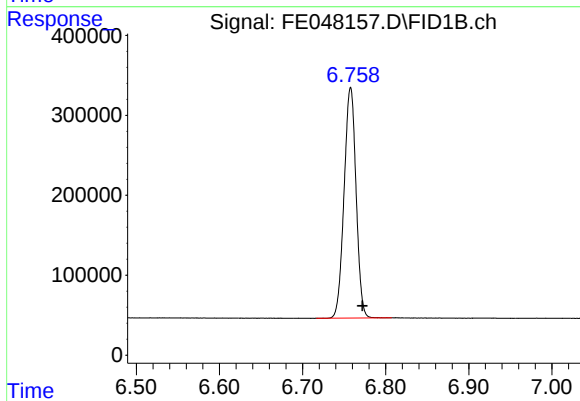
#2 n-Decane (C10)

R.T.: 4.594 min
Delta R.T.: -0.012 min
Response: 2941902
Conc: 22.35 ug/ml



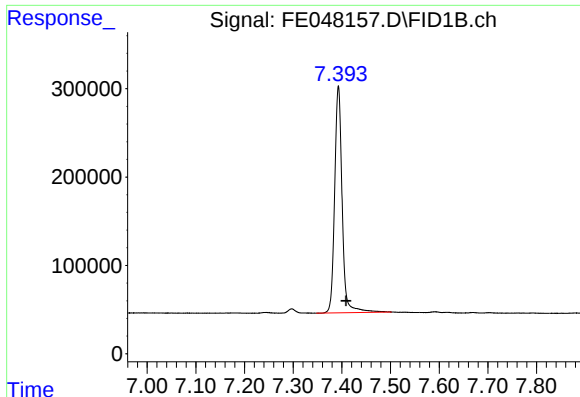
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: -0.016 min
Response: 2954671
Conc: 21.40 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 2886412
Conc: 21.65 ug/ml



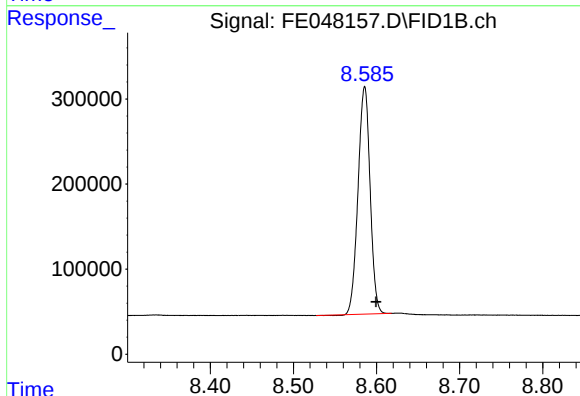
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.393 min
Delta R.T.: -0.016 min
Response: 2761958
Conc: 20.75 ug/ml

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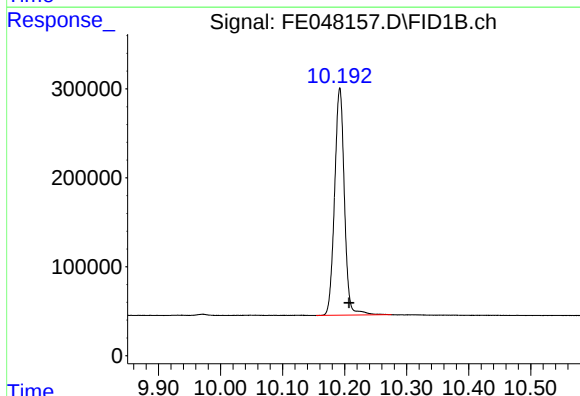
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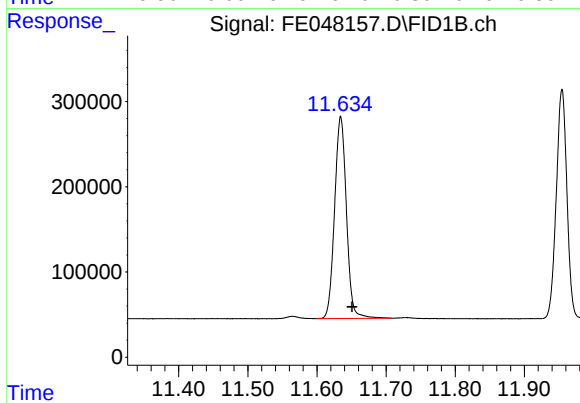
#6 n-Tetradecane (C14)

R.T.: 8.586 min
Delta R.T.: -0.014 min
Response: 2697983
Conc: 20.36 ug/ml



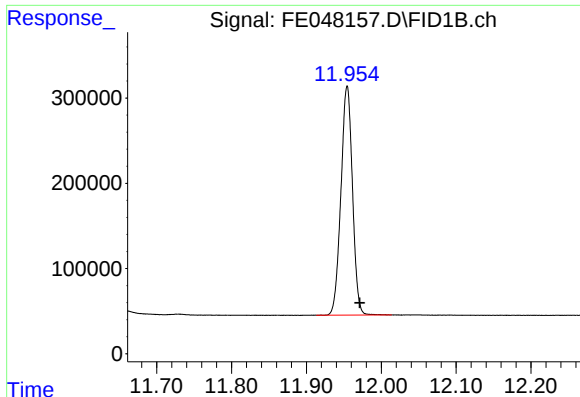
#7 n-Hexadecane (C16)

R.T.: 10.192 min
Delta R.T.: -0.015 min
Response: 2809825
Conc: 20.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.634 min
Delta R.T.: -0.016 min
Response: 2821615
Conc: 20.26 ug/ml



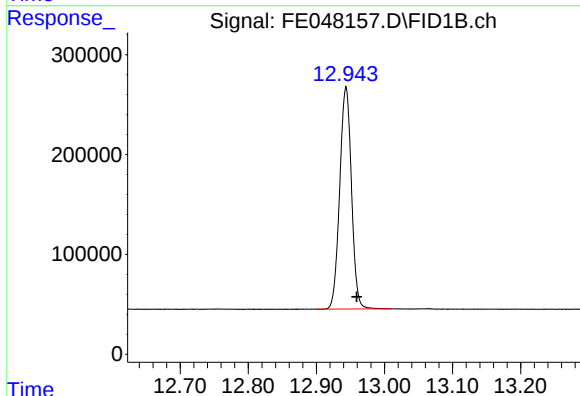
#9 ortho-Terphenyl (SURR)

R.T.: 11.955 min
Delta R.T.: -0.016 min
Response: 2882472
Conc: 19.98 ug/ml

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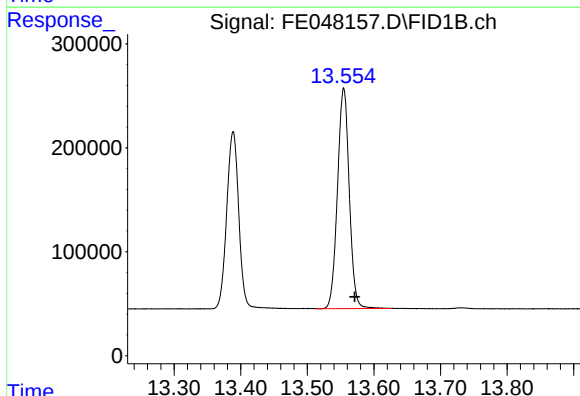
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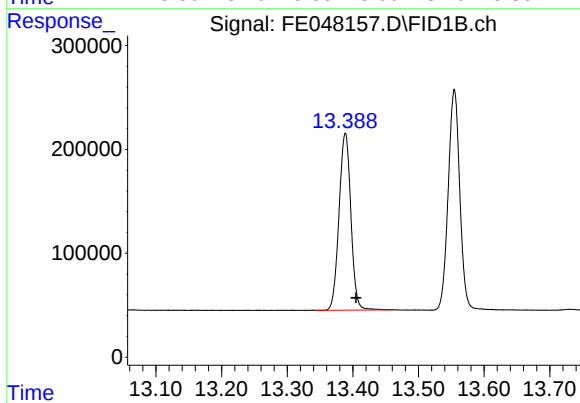
#10 n-Eicosane (C20)

R.T.: 12.944 min
Delta R.T.: -0.016 min
Response: 2667828
Conc: 19.81 ug/ml



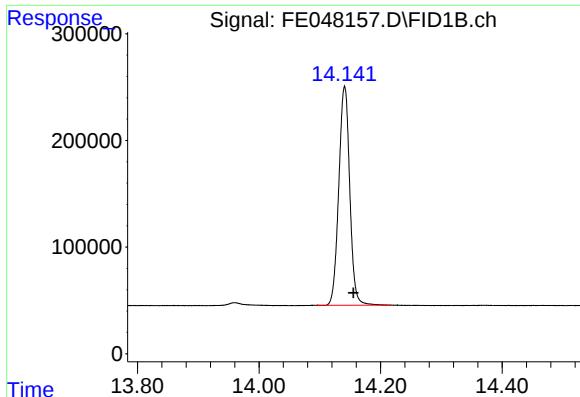
#11 n-Heneicosane (C21)

R.T.: 13.555 min
Delta R.T.: -0.016 min
Response: 2602427
Conc: 19.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.389 min
Delta R.T.: -0.016 min
Response: 2134418
Conc: 19.10 ug/ml



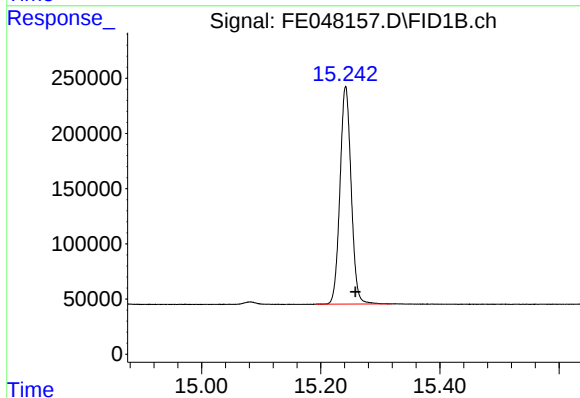
#13 n-Docosane (C22)

R.T.: 14.141 min
Delta R.T.: -0.015 min
Response: 2572620
Conc: 19.41 ug/ml

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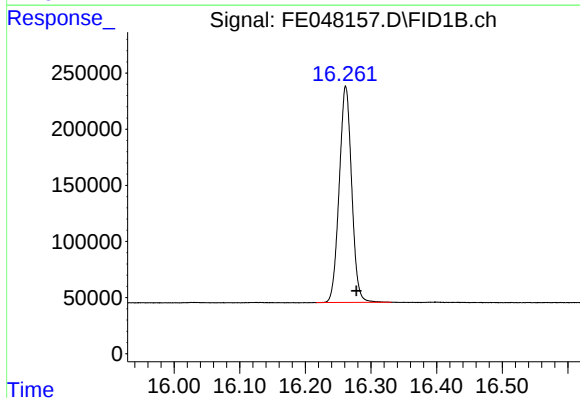
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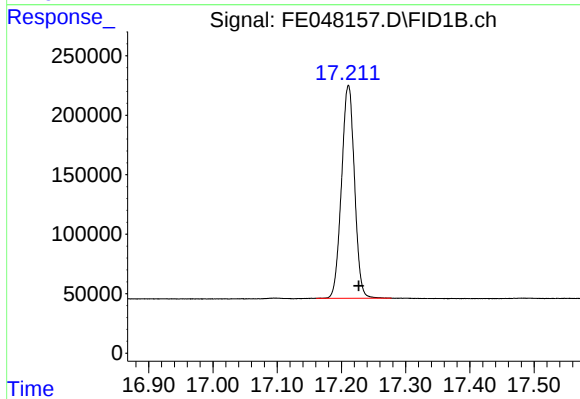
#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: -0.016 min
Response: 2566730
Conc: 19.28 ug/ml



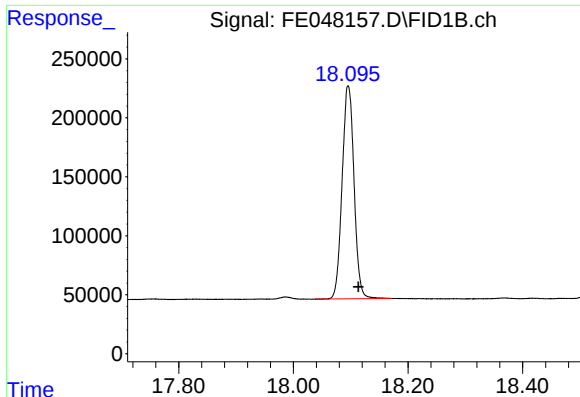
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: -0.016 min
Response: 2539786
Conc: 19.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.211 min
Delta R.T.: -0.016 min
Response: 2516266
Conc: 18.90 ug/ml



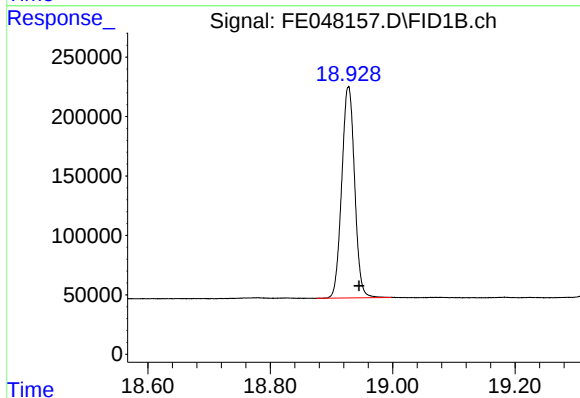
#17 n-Tricontane (C30)

R.T.: 18.096 min
Delta R.T.: -0.018 min
Response: 2610253
Conc: 18.91 ug/ml

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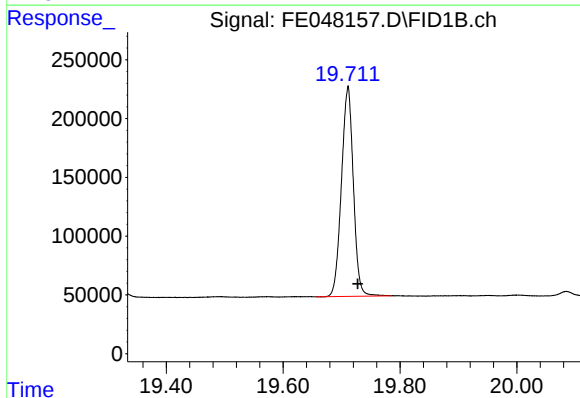
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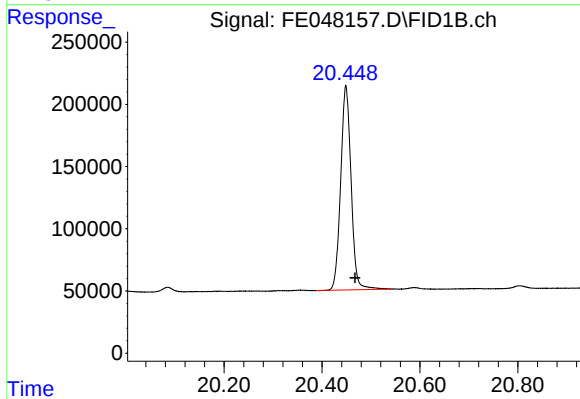
#18 n-Dotriacontane (C32)

R.T.: 18.928 min
Delta R.T.: -0.017 min
Response: 2597765
Conc: 18.81 ug/ml



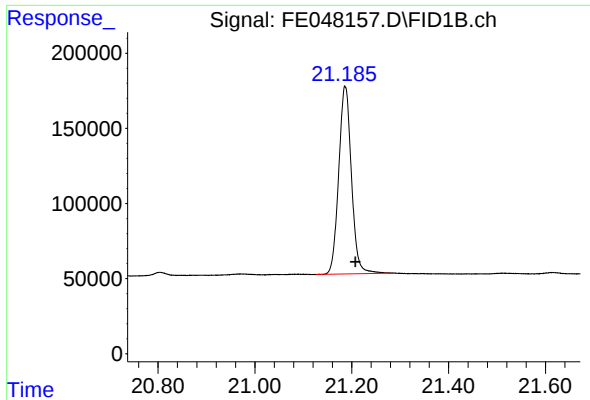
#19 n-Tetratriacontane (C34)

R.T.: 19.711 min
Delta R.T.: -0.017 min
Response: 2520086
Conc: 18.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.449 min
Delta R.T.: -0.019 min
Response: 2425288
Conc: 17.91 ug/ml



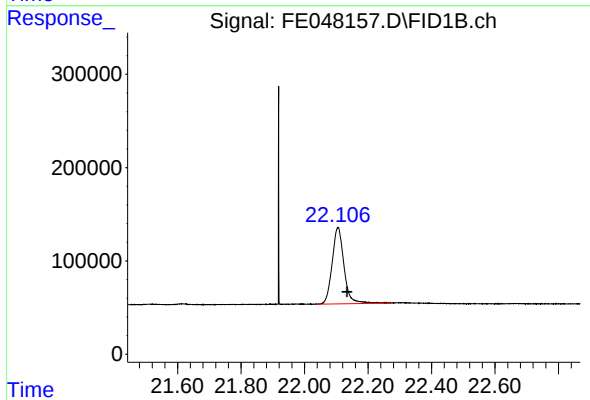
#21 n-Octatriacontane (C38)

R.T.: 21.186 min
Delta R.T.: -0.021 min
Response: 2279400
Conc: 16.51 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.106 min
Delta R.T.: -0.028 min
Response: 2127735
Conc: 15.27 ug/ml m