

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051424AL\
 Data File : FE048175.D
 Signal(s) : FID1B.ch
 Acq On : 14 May 2024 23:06
 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 05:57:54 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)	11.956	2870498	19.897 ug/ml
Spiked Amount 50.000		Recovery =	39.79%
12) S 1-chlorooctadecane (S...	13.390	2193022	19.626 ug/ml
Spiked Amount 50.000		Recovery =	39.25%
Target Compounds			
1) T n-Nonane (C9)	3.346	2946469	22.862 ug/ml
2) T n-Decane (C10)	4.594	2970540	22.563 ug/ml
3) T A~Naphthalene (C11.7)	6.299	2985040	21.618 ug/ml
4) T n-Dodecane (C12)	6.759	2920272	21.906 ug/ml
5) T A~2-methylnaphthalene...	7.394	2795229	21.005 ug/ml
6) T n-Tetradecane (C14)	8.586	2803429	21.154 ug/ml
7) T n-Hexadecane (C16)	10.193	2825444	20.544 ug/ml
8) T n-Octadecane (C18)	11.637	2807570	20.155 ug/ml
10) T n-Eicosane (C20)	12.945	2655977	19.726 ug/ml
11) T n-Heneicosane (C21)	13.557	2593628	19.593 ug/ml
13) T n-Docosane (C22)	14.142	2573059	19.416 ug/ml
14) T n-Tetracosane (C24)	15.244	2567826	19.285 ug/ml
15) T n-Hexacosane (C26)	16.264	2560644	19.189 ug/ml
16) T n-Octacosane (C28)	17.212	2559995	19.227 ug/ml
17) T n-Tricontane (C30)	18.098	2685731	19.460 ug/ml
18) T n-Dotriacontane (C32)	18.930	2759018	19.975 ug/ml
19) T n-Tetratriacontane (C34)	19.712	2639870	19.379 ug/ml
20) T n-Hexatriacontane (C36)	20.452	2563926	18.936 ug/mlm
21) T n-Octatriacontane (C38)	21.189	2482852	17.983 ug/ml
22) T n-Tetracontane (C40)	22.108	2618383	18.794 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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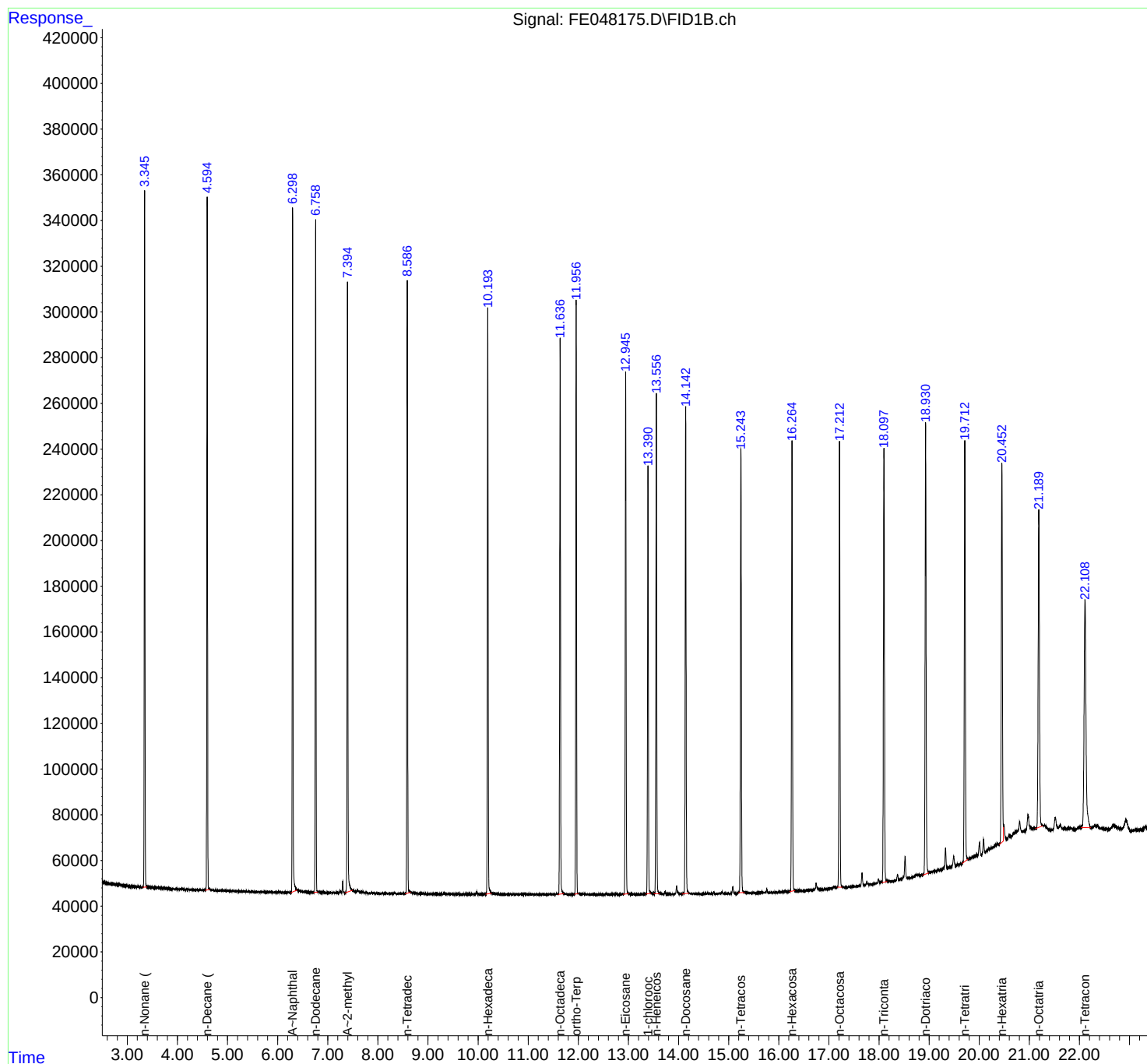
Instrument :
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20 PPM ALIPHATIC HC STD

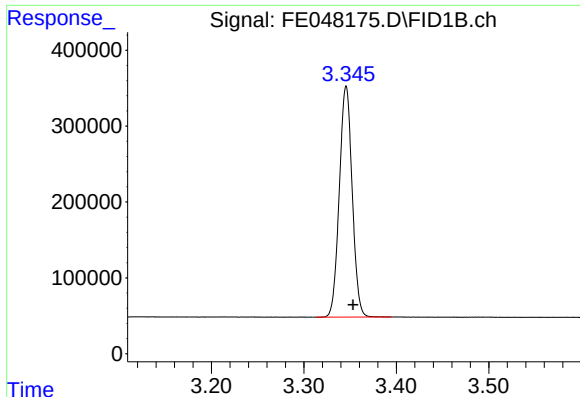
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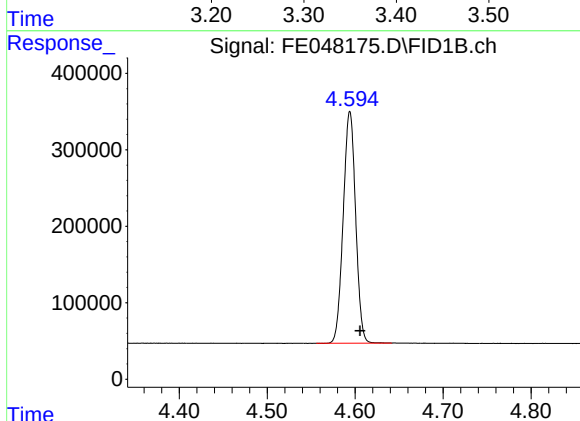
#1 n-Nonane (C9)

R.T.: 3.346 min
Delta R.T.: -0.007 min
Response: 2946469
Conc: 22.86 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

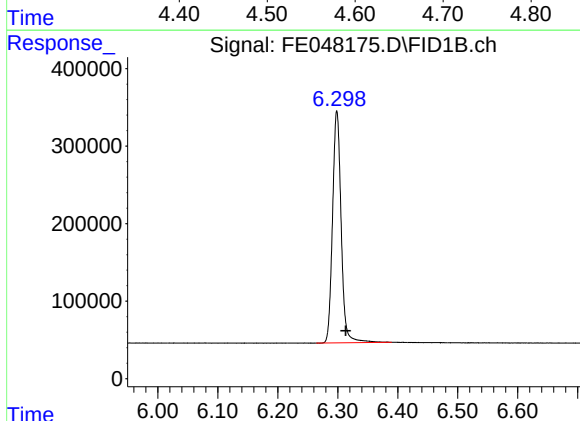
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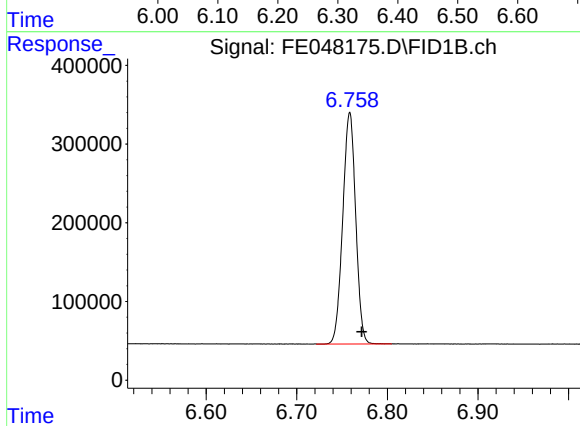
#2 n-Decane (C10)

R.T.: 4.594 min
Delta R.T.: -0.012 min
Response: 2970540
Conc: 22.56 ug/ml



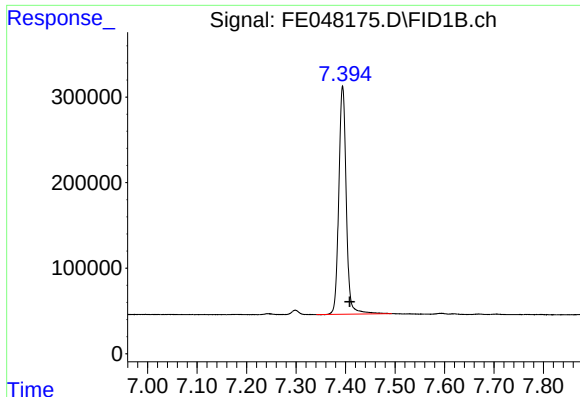
#3 A~Naphthalene (C11.7)

R.T.: 6.299 min
Delta R.T.: -0.015 min
Response: 2985040
Conc: 21.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.759 min
Delta R.T.: -0.013 min
Response: 2920272
Conc: 21.91 ug/ml



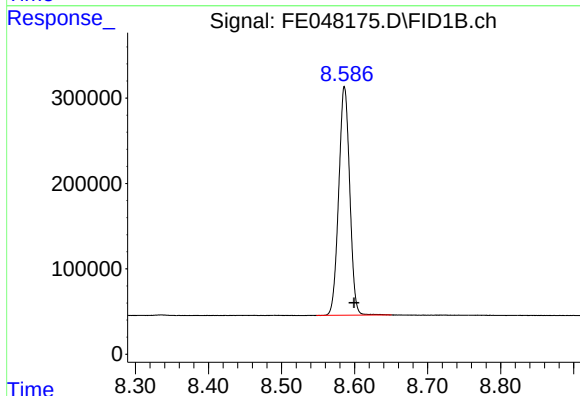
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.394 min
Delta R.T.: -0.015 min
Response: 2795229
Conc: 21.00 ug/ml

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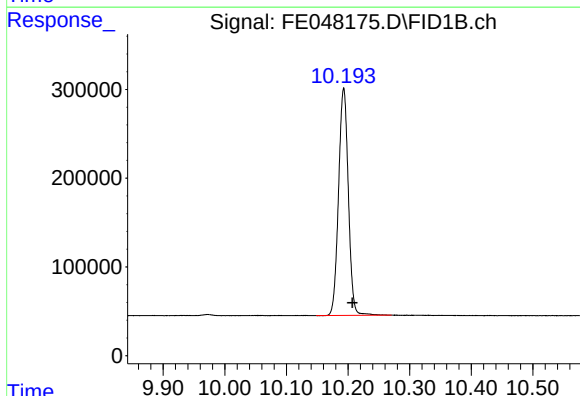
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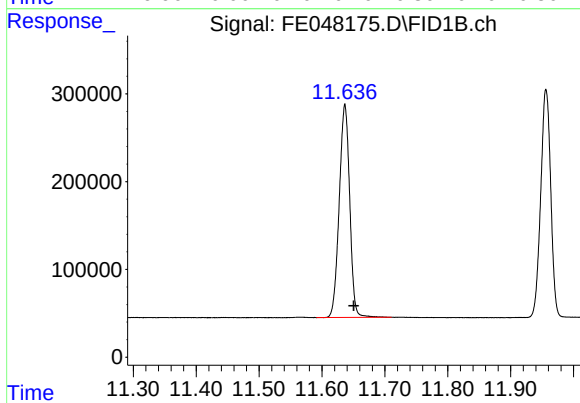
#6 n-Tetradecane (C14)

R.T.: 8.586 min
Delta R.T.: -0.013 min
Response: 2803429
Conc: 21.15 ug/ml



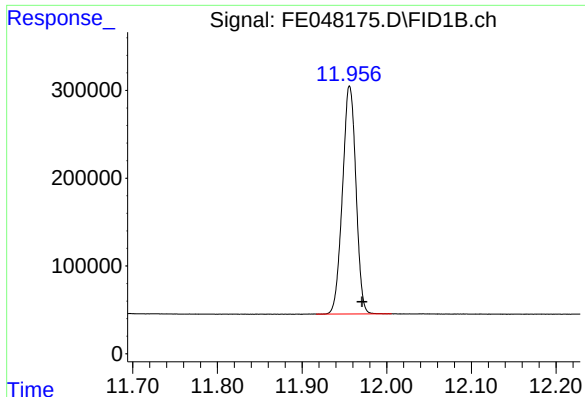
#7 n-Hexadecane (C16)

R.T.: 10.193 min
Delta R.T.: -0.014 min
Response: 2825444
Conc: 20.54 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.637 min
Delta R.T.: -0.014 min
Response: 2807570
Conc: 20.16 ug/ml



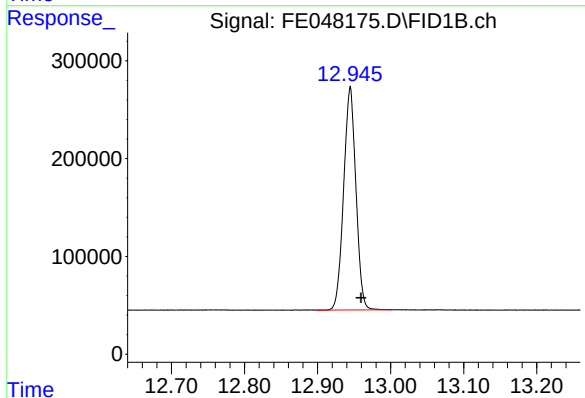
#9 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: -0.015 min
Response: 2870498
Conc: 19.90 ug/ml

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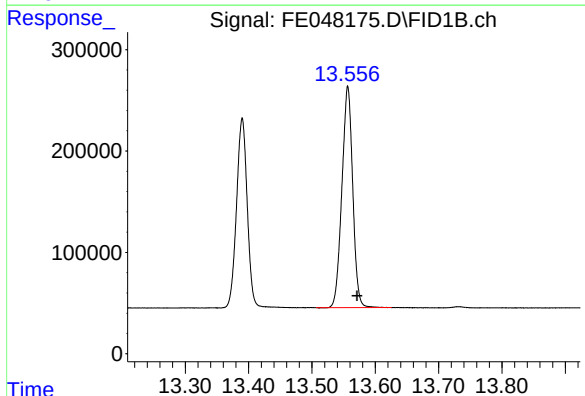
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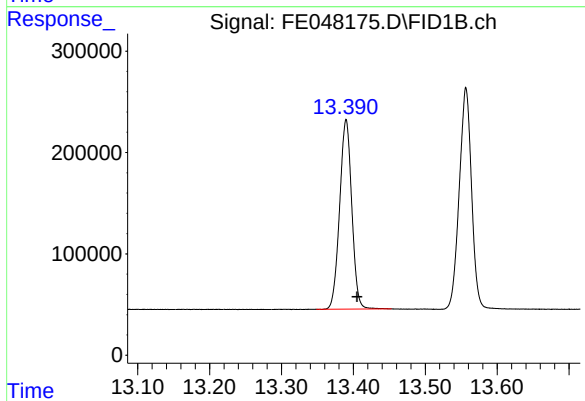
#10 n-Eicosane (C20)

R.T.: 12.945 min
Delta R.T.: -0.015 min
Response: 2655977
Conc: 19.73 ug/ml



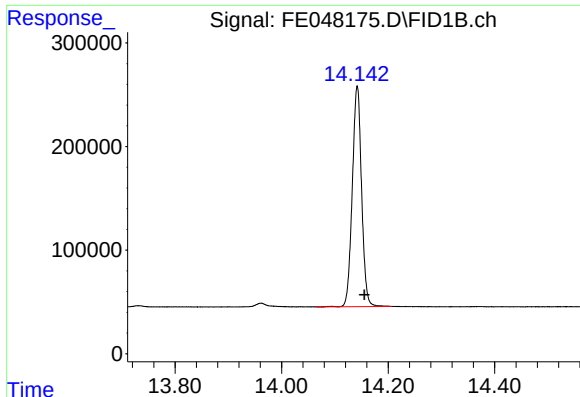
#11 n-Heneicosane (C21)

R.T.: 13.557 min
Delta R.T.: -0.014 min
Response: 2593628
Conc: 19.59 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.390 min
Delta R.T.: -0.015 min
Response: 2193022
Conc: 19.63 ug/ml



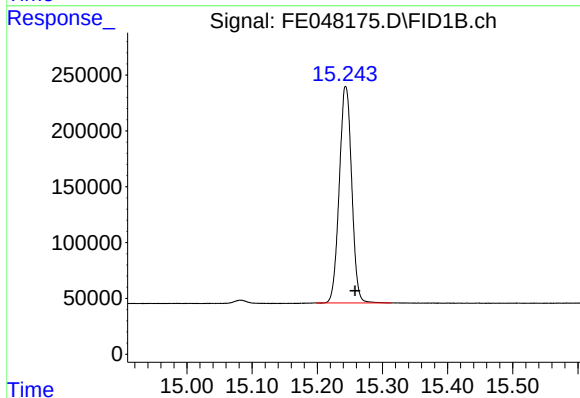
#13 n-Docosane (C22)

R.T.: 14.142 min
Delta R.T.: -0.013 min
Response: 2573059
Conc: 19.42 ug/ml

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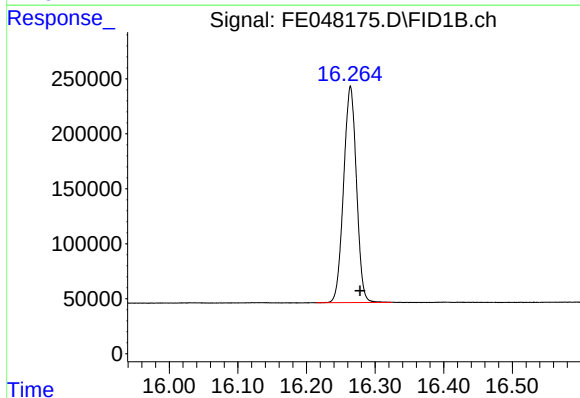
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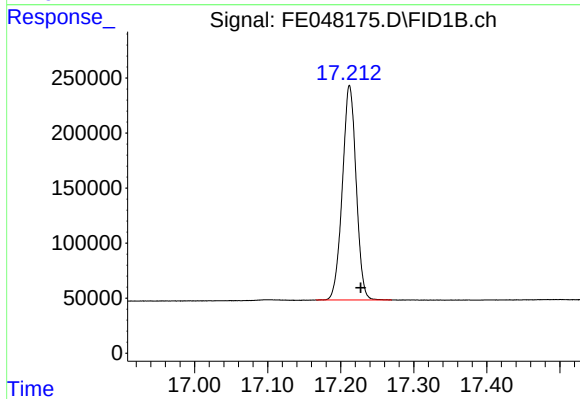
#14 n-Tetracosane (C24)

R.T.: 15.244 min
Delta R.T.: -0.014 min
Response: 2567826
Conc: 19.28 ug/ml



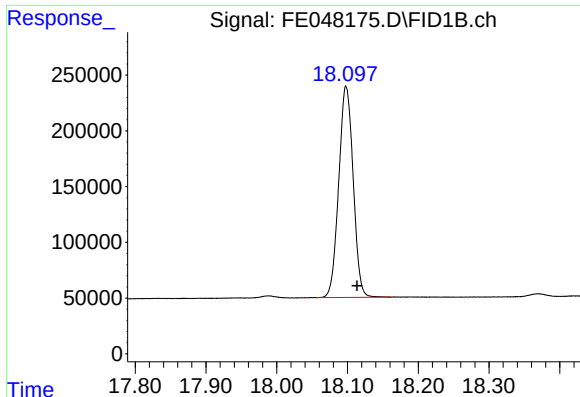
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: -0.014 min
Response: 2560644
Conc: 19.19 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.212 min
Delta R.T.: -0.015 min
Response: 2559995
Conc: 19.23 ug/ml



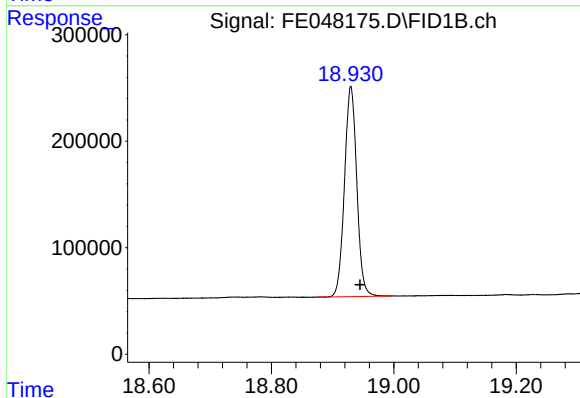
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: -0.015 min
Response: 2685731
Conc: 19.46 ug/ml

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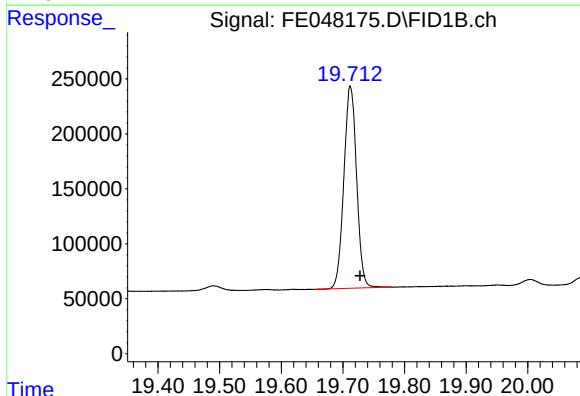
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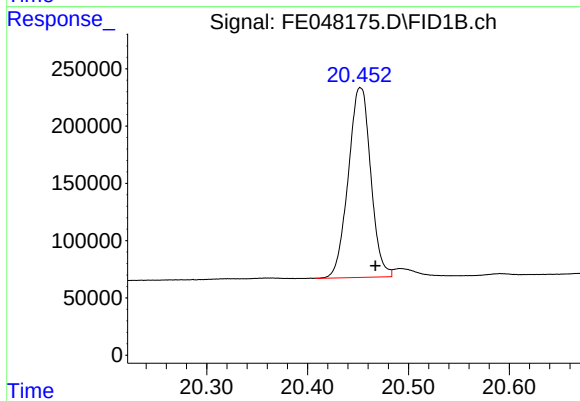
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: -0.015 min
Response: 2759018
Conc: 19.97 ug/ml



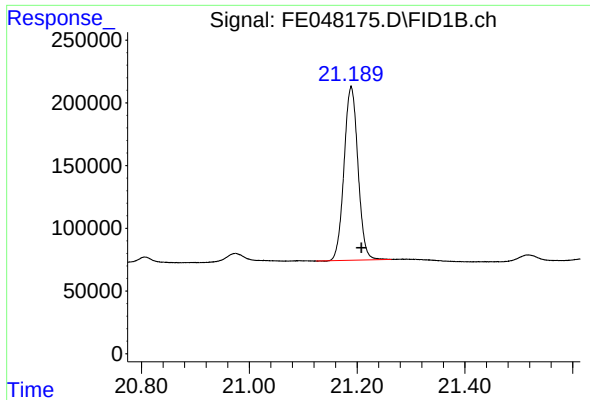
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.016 min
Response: 2639870
Conc: 19.38 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.016 min
Response: 2563926
Conc: 18.94 ug/ml m



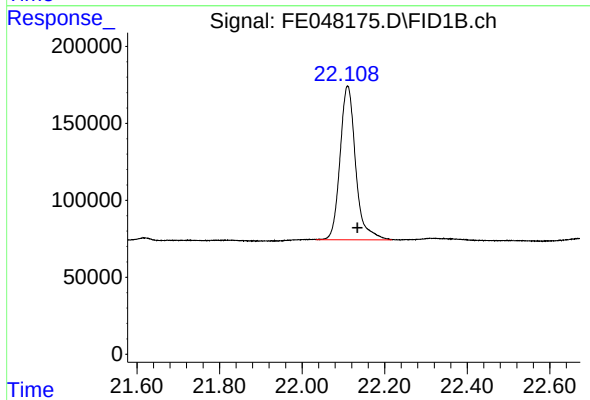
#21 n-Octatriacontane (C38)

R.T.: 21.189 min
Delta R.T.: -0.019 min
Response: 2482852
Conc: 17.98 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.108 min
Delta R.T.: -0.026 min
Response: 2618383
Conc: 18.79 ug/ml m