

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052324AL\
 Data File : FE048364.D
 Signal(s) : FID1B.ch
 Acq On : 23 May 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 05/24/2024
 Supervised By :Ankita Jodhani 05/24/2024

Integration File: autoint1.e
 Quant Time: May 24 01:35:35 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)	11.954	2713097	18.806 ug/ml
Spiked Amount 50.000		Recovery =	37.61%
12) S 1-chlorooctadecane (S...	13.388	2067349	18.501 ug/ml
Spiked Amount 50.000		Recovery =	37.00%
Target Compounds			
1) T n-Nonane (C9)	3.340	2737187	21.238 ug/ml
2) T n-Decane (C10)	4.590	2815112	21.383 ug/ml
3) T A~Naphthalene (C11.7)	6.296	2782018	20.148 ug/ml
4) T n-Dodecane (C12)	6.755	2777563	20.835 ug/ml
5) T A~2-methylnaphthalene...	7.392	2620138	19.689 ug/ml
6) T n-Tetradecane (C14)	8.584	2672714	20.168 ug/ml
7) T n-Hexadecane (C16)	10.191	2662131	19.356 ug/ml
8) T n-Octadecane (C18)	11.633	2633723	18.907 ug/ml
10) T n-Eicosane (C20)	12.942	2511992	18.657 ug/ml
11) T n-Heneicosane (C21)	13.554	2459691	18.581 ug/ml
13) T n-Docosane (C22)	14.140	2456068	18.534 ug/ml
14) T n-Tetracosane (C24)	15.242	2512044	18.866 ug/ml
15) T n-Hexacosane (C26)	16.262	2528887	18.951 ug/ml
16) T n-Octacosane (C28)	17.211	2587637	19.434 ug/ml
17) T n-Tricontane (C30)	18.098	2788023	20.201 ug/ml
18) T n-Dotriacontane (C32)	18.929	2864474	20.738 ug/ml
19) T n-Tetratriacontane (C34)	19.712	2777090	20.386 ug/mlm
20) T n-Hexatriacontane (C36)	20.452	2654713	19.607 ug/ml
21) T n-Octatriacontane (C38)	21.188	2623446	19.001 ug/mlm
22) T n-Tetracontane (C40)	22.109	2528055	18.145 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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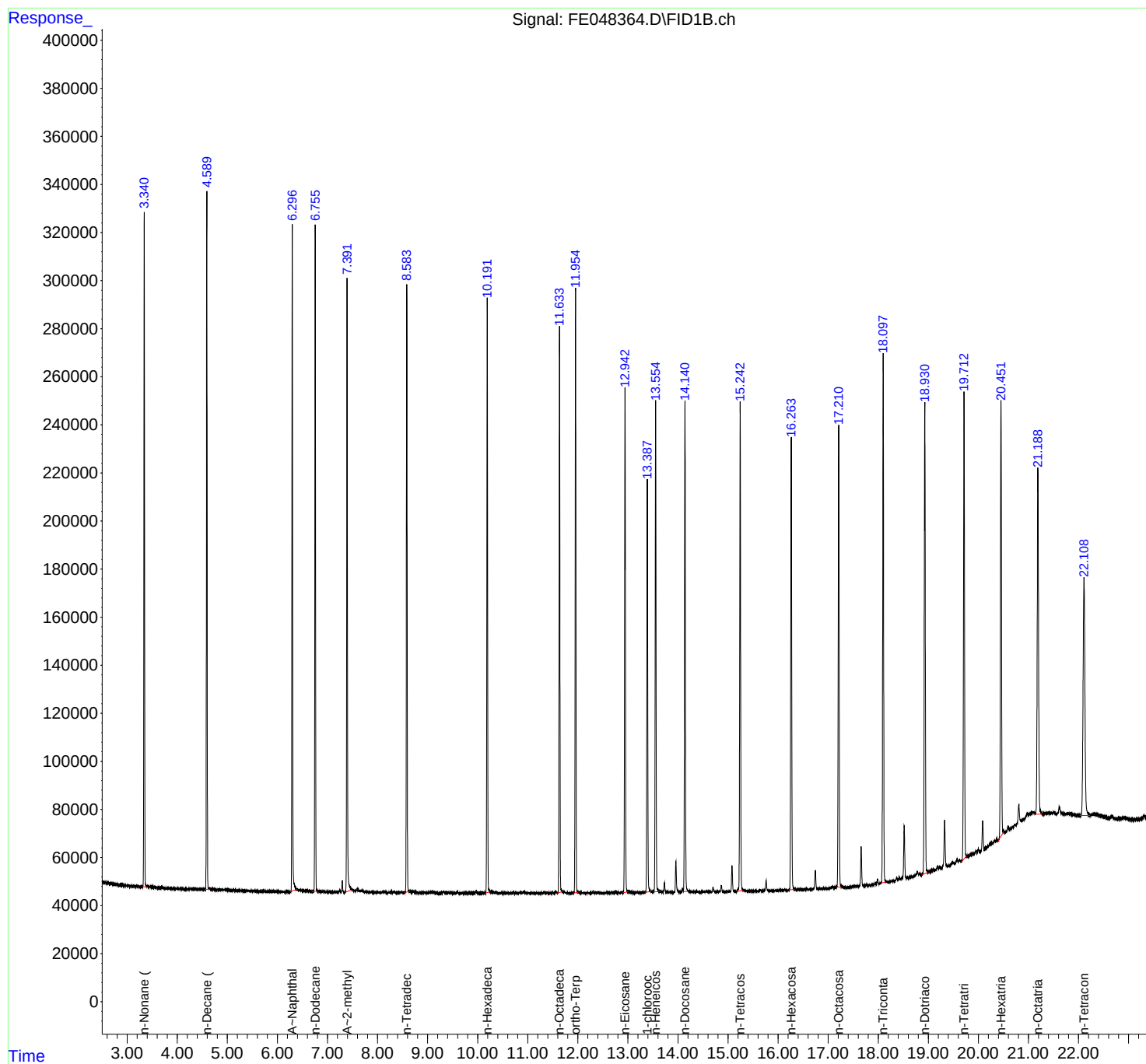
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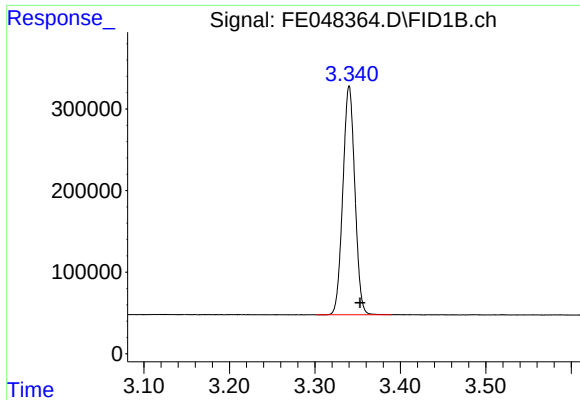
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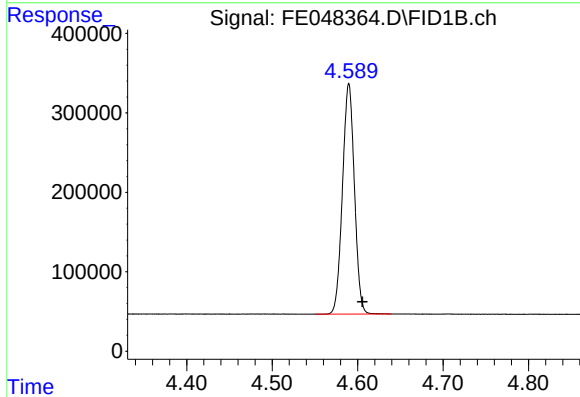
#1 n-Nonane (C9)

R.T.: 3.340 min
Delta R.T.: -0.013 min
Response: 2737187
Conc: 21.24 ug/ml

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20 PPM ALIPHATIC HC STD

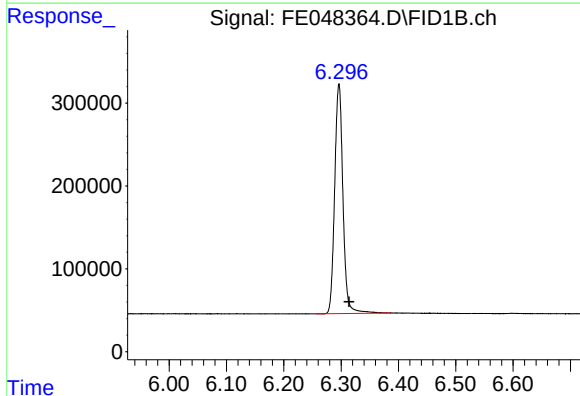
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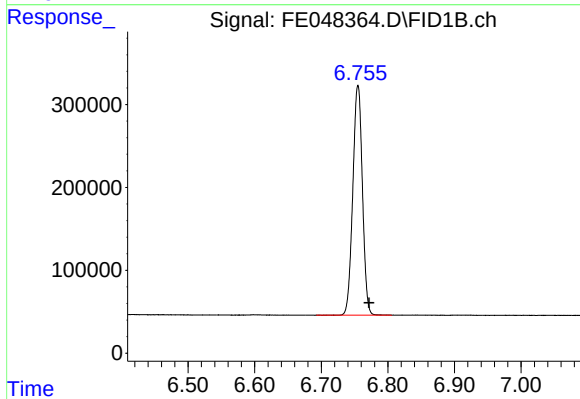
#2 n-Decane (C10)

R.T.: 4.590 min
Delta R.T.: -0.016 min
Response: 2815112
Conc: 21.38 ug/ml



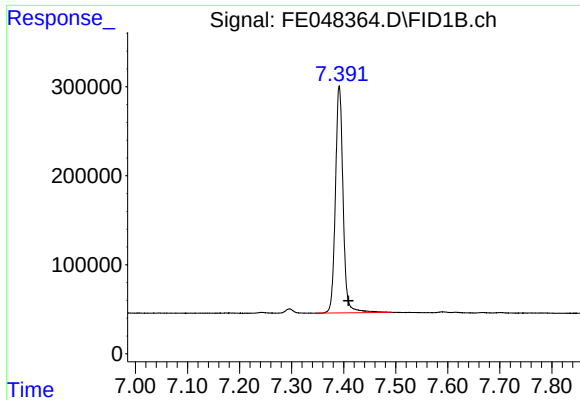
#3 A~Naphthalene (C11.7)

R.T.: 6.296 min
Delta R.T.: -0.017 min
Response: 2782018
Conc: 20.15 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.755 min
Delta R.T.: -0.017 min
Response: 2777563
Conc: 20.84 ug/ml



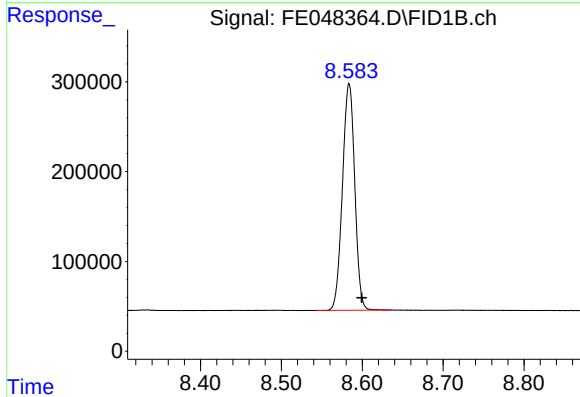
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.392 min
Delta R.T.: -0.017 min
Response: 2620138
Conc: 19.69 ug/ml

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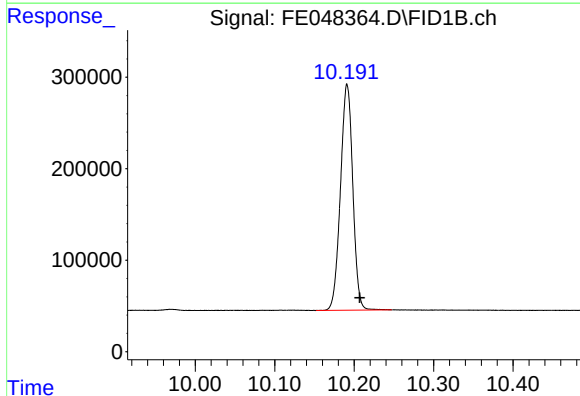
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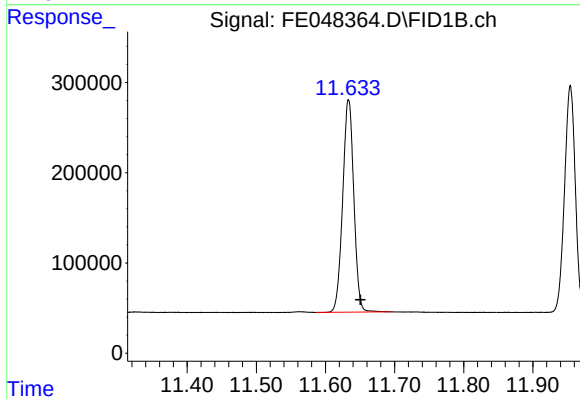
#6 n-Tetradecane (C14)

R.T.: 8.584 min
Delta R.T.: -0.016 min
Response: 2672714
Conc: 20.17 ug/ml



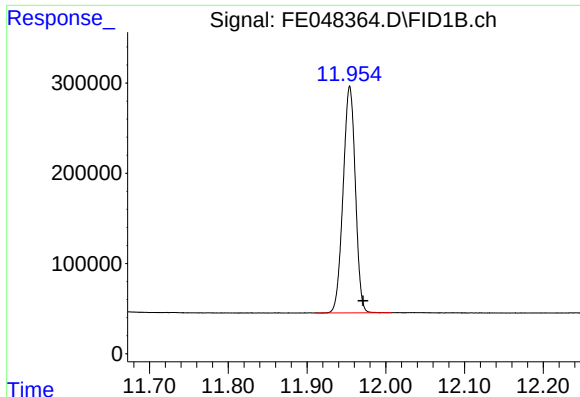
#7 n-Hexadecane (C16)

R.T.: 10.191 min
Delta R.T.: -0.016 min
Response: 2662131
Conc: 19.36 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.633 min
Delta R.T.: -0.017 min
Response: 2633723
Conc: 18.91 ug/ml



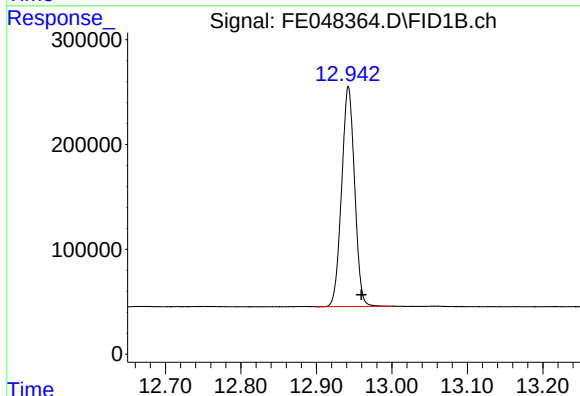
#9 ortho-Terphenyl (SURR)

R.T.: 11.954 min
Delta R.T.: -0.017 min
Response: 2713097
Conc: 18.81 ug/ml

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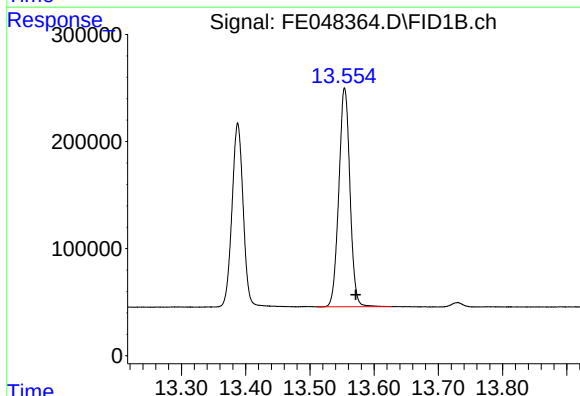
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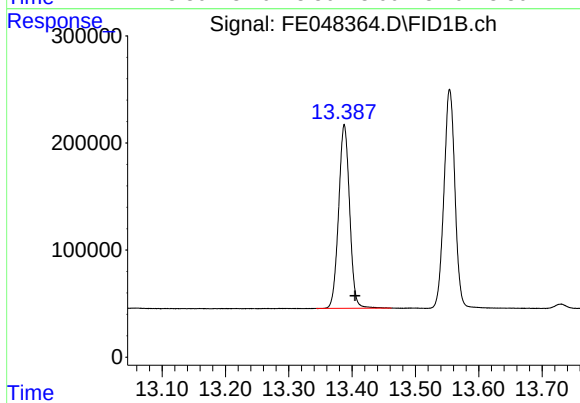
#10 n-Eicosane (C20)

R.T.: 12.942 min
Delta R.T.: -0.017 min
Response: 2511992
Conc: 18.66 ug/ml



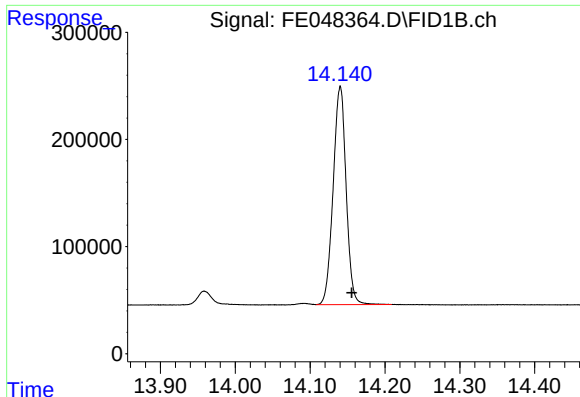
#11 n-Heneicosane (C21)

R.T.: 13.554 min
Delta R.T.: -0.017 min
Response: 2459691
Conc: 18.58 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.388 min
Delta R.T.: -0.017 min
Response: 2067349
Conc: 18.50 ug/ml



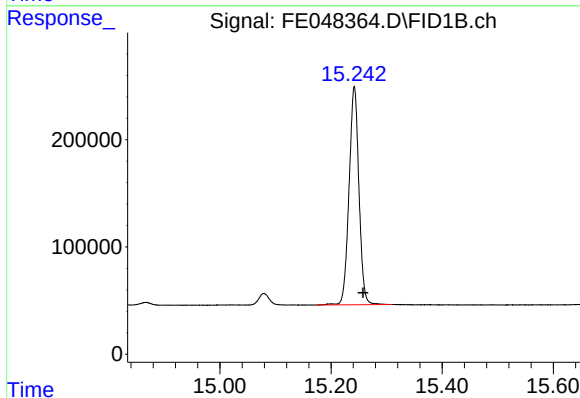
#13 n-Docosane (C22)

R.T.: 14.140 min
Delta R.T.: -0.015 min
Response: 2456068
Conc: 18.53 ug/ml

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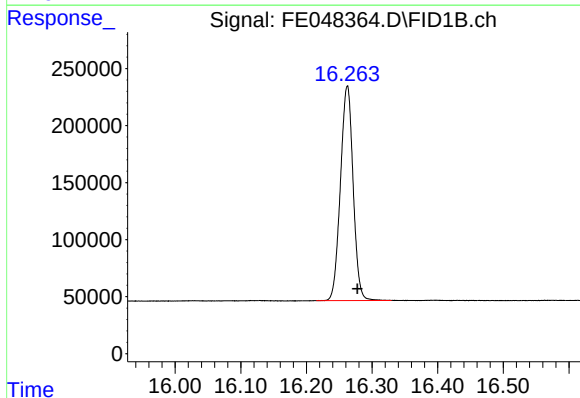
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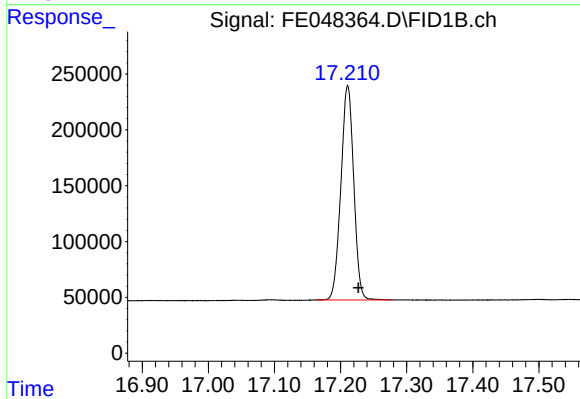
#14 n-Tetracosane (C24)

R.T.: 15.242 min
Delta R.T.: -0.016 min
Response: 2512044
Conc: 18.87 ug/ml



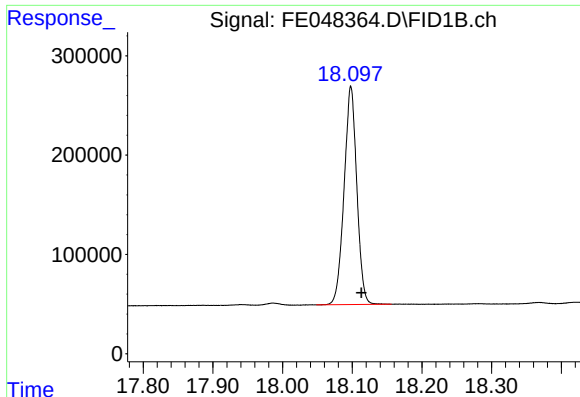
#15 n-Hexacosane (C26)

R.T.: 16.262 min
Delta R.T.: -0.016 min
Response: 2528887
Conc: 18.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.211 min
Delta R.T.: -0.016 min
Response: 2587637
Conc: 19.43 ug/ml



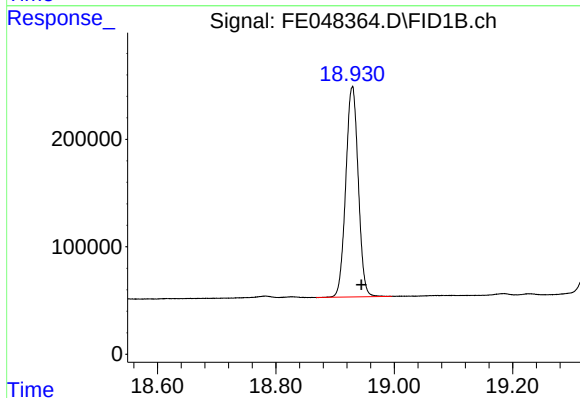
#17 n-Tricontane (C30)

R.T.: 18.098 min
Delta R.T.: -0.015 min
Response: 2788023
Conc: 20.20 ug/ml

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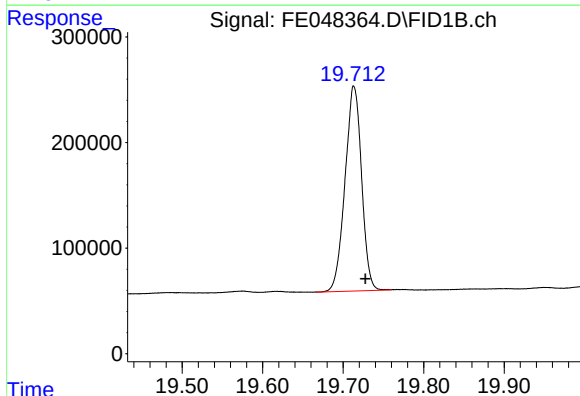
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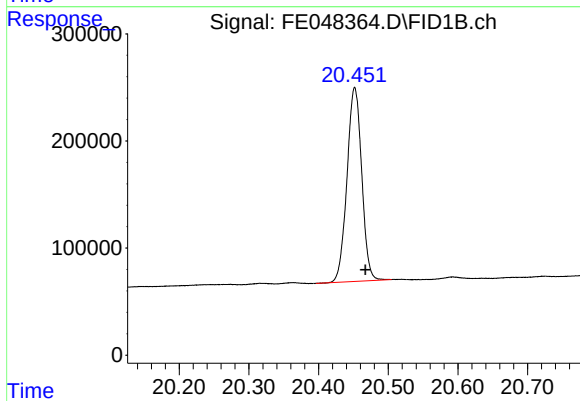
#18 n-Dotriacontane (C32)

R.T.: 18.929 min
Delta R.T.: -0.016 min
Response: 2864474
Conc: 20.74 ug/ml



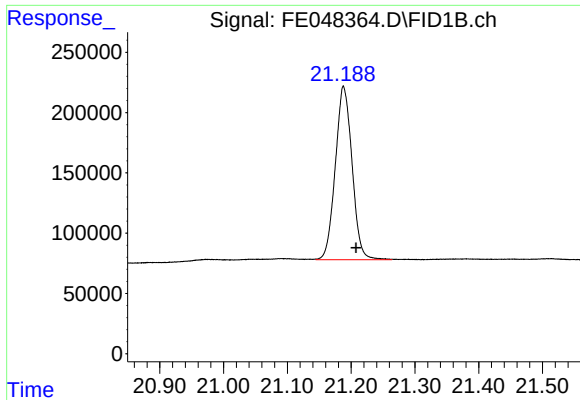
#19 n-Tetratriacontane (C34)

R.T.: 19.712 min
Delta R.T.: -0.015 min
Response: 2777090
Conc: 20.39 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.452 min
Delta R.T.: -0.016 min
Response: 2654713
Conc: 19.61 ug/ml



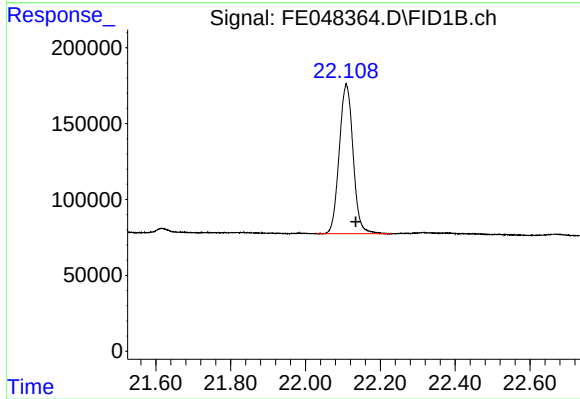
#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: -0.020 min
Response: 2623446
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.109 min
Delta R.T.: -0.025 min
Response: 2528055
Conc: 18.15 ug/ml