

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE051124AL\
 Data File : FE048150.D
 Signal(s) : FID1B.ch
 Acq On : 12 May 2024 11:09
 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 05/14/2024
 Supervised By :Ankita Jodhani 05/14/2024

Integration File: autoint1.e
 Quant Time: May 14 02:15:51 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	3172114	21.988 ug/ml
Spiked Amount 50.000		Recovery =	43.98%
12) S 1-chlorooctadecane (S...	13.389	2419959	21.657 ug/ml
Spiked Amount 50.000		Recovery =	43.31%
Target Compounds			
1) T n-Nonane (C9)	3.345	3067062	23.798 ug/ml
2) T n-Decane (C10)	4.594	3175913	24.123 ug/ml
3) T A~Naphthalene (C11.7)	6.298	3211097	23.255 ug/ml
4) T n-Dodecane (C12)	6.758	3133797	23.507 ug/ml
5) T A~2-methylnaphthalene...	7.394	3042049	22.860 ug/ml
6) T n-Tetradecane (C14)	8.585	2963698	22.364 ug/ml
7) T n-Hexadecane (C16)	10.193	3081978	22.409 ug/ml
8) T n-Octadecane (C18)	11.636	3114798	22.361 ug/ml
10) T n-Eicosane (C20)	12.945	2954724	21.945 ug/ml
11) T n-Heneicosane (C21)	13.556	2878937	21.748 ug/ml
13) T n-Docosane (C22)	14.140	2862337	21.599 ug/ml
14) T n-Tetracosane (C24)	15.243	2875539	21.596 ug/ml
15) T n-Hexacosane (C26)	16.263	2853598	21.384 ug/ml
16) T n-Octacosane (C28)	17.212	2872954	21.577 ug/ml
17) T n-Tricontane (C30)	18.100	3055613	22.140 ug/ml
18) T n-Dotriacontane (C32)	18.930	3128816	22.652 ug/ml
19) T n-Tetratriacontane (C34)	19.713	2986869	21.926 ug/ml
20) T n-Hexatriacontane (C36)	20.450	2844453	21.008 ug/mlm
21) T n-Octatriacontane (C38)	21.188	2725222	19.738 ug/ml
22) T n-Tetracontane (C40)	22.108	2638442	18.938 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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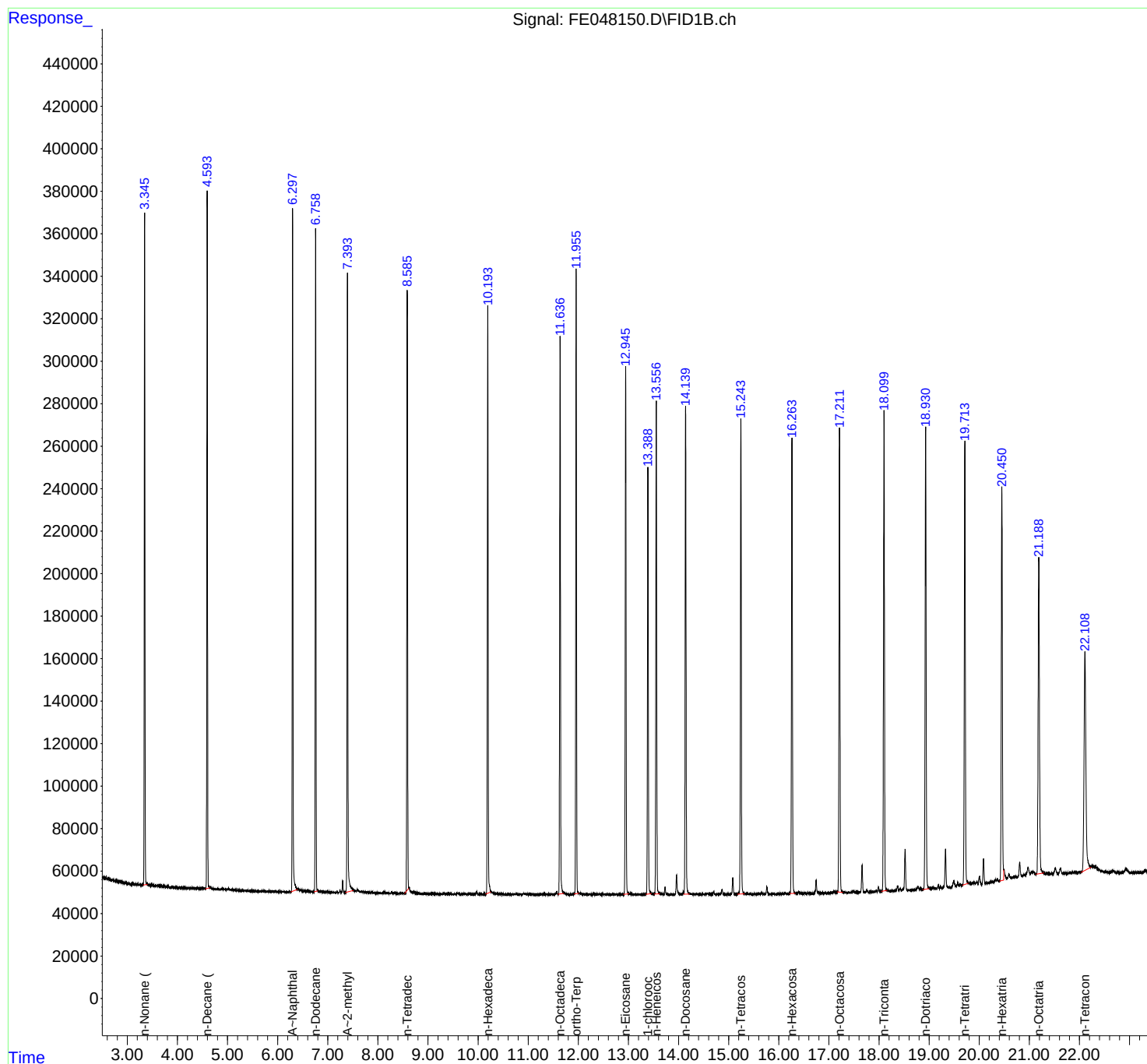
Instrument :
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20 PPM ALIPHATIC HC STD

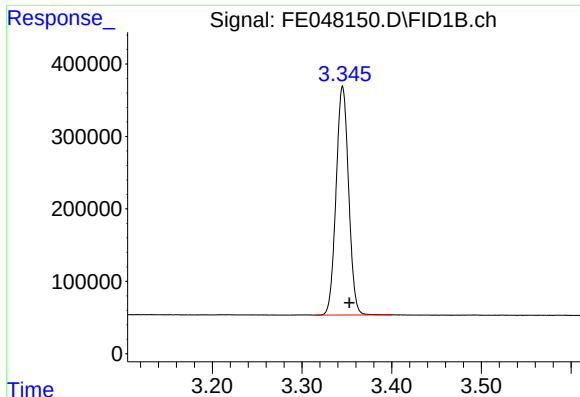
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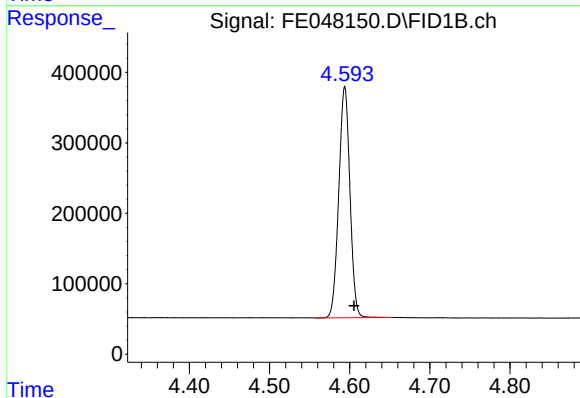
#1 n-Nonane (C9)

R.T.: 3.345 min
Delta R.T.: -0.008 min
Response: 3067062
Conc: 23.80 ug/ml

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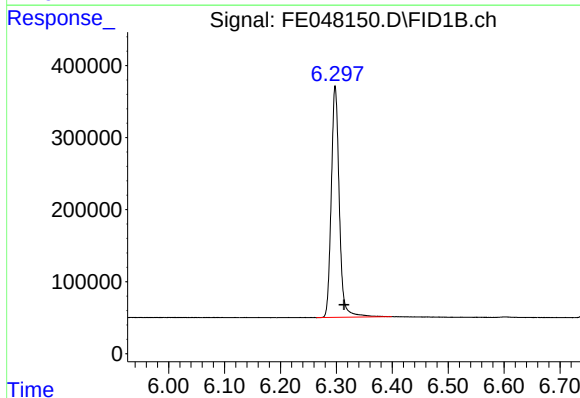
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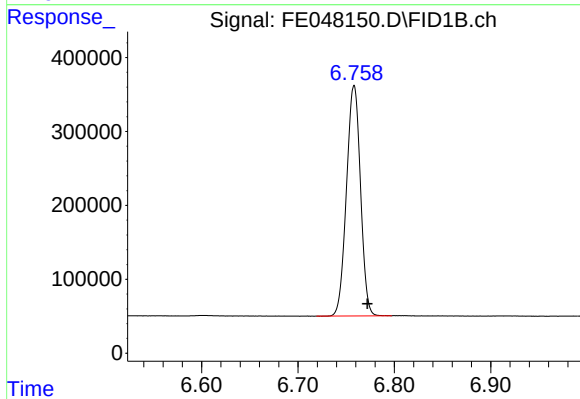
#2 n-Decane (C10)

R.T.: 4.594 min
Delta R.T.: -0.012 min
Response: 3175913
Conc: 24.12 ug/ml



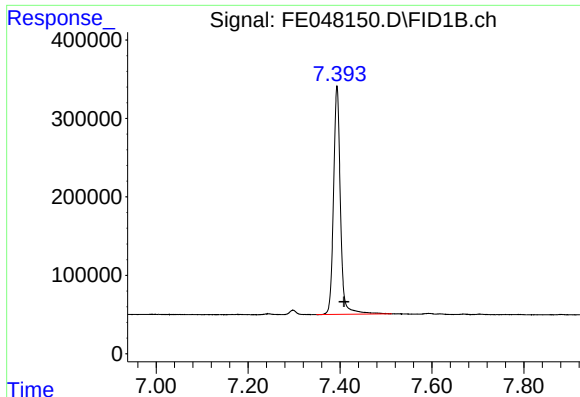
#3 A~Naphthalene (C11.7)

R.T.: 6.298 min
Delta R.T.: -0.016 min
Response: 3211097
Conc: 23.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.758 min
Delta R.T.: -0.014 min
Response: 3133797
Conc: 23.51 ug/ml



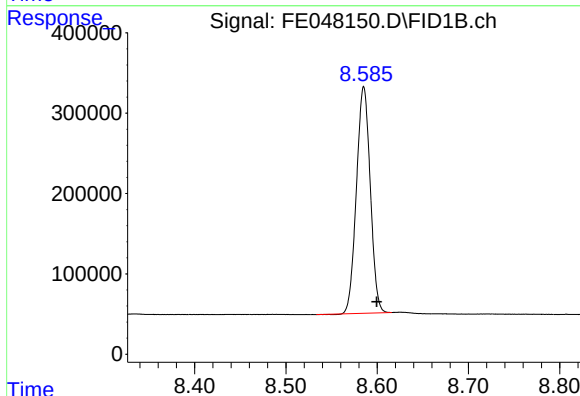
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.394 min
Delta R.T.: -0.015 min
Response: 3042049
Conc: 22.86 ug/ml

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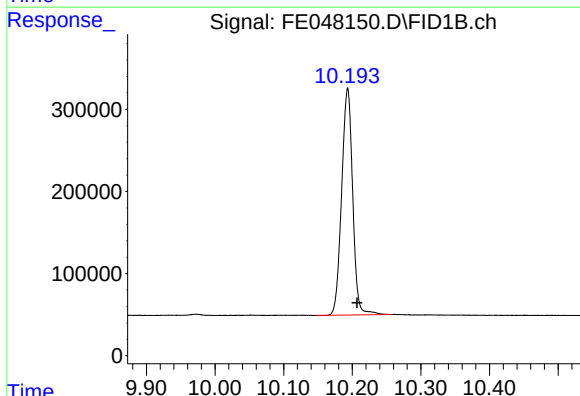
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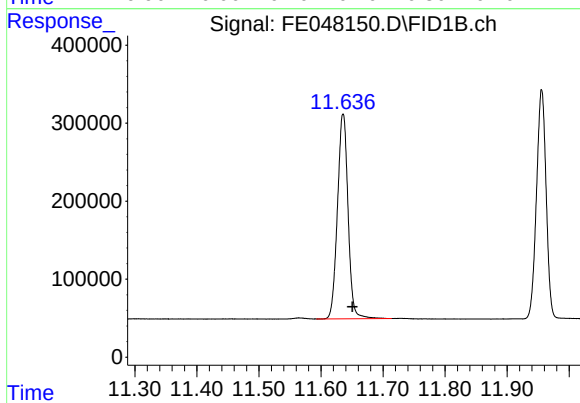
#6 n-Tetradecane (C14)

R.T.: 8.585 min
Delta R.T.: -0.014 min
Response: 2963698
Conc: 22.36 ug/ml



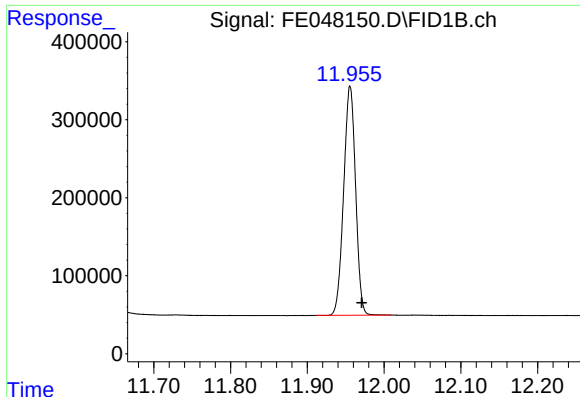
#7 n-Hexadecane (C16)

R.T.: 10.193 min
Delta R.T.: -0.014 min
Response: 3081978
Conc: 22.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.636 min
Delta R.T.: -0.015 min
Response: 3114798
Conc: 22.36 ug/ml



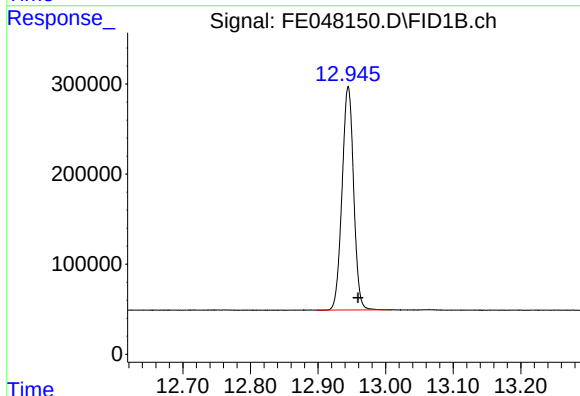
#9 ortho-Terphenyl (SURR)

R.T.: 11.956 min
Delta R.T.: -0.015 min
Response: 3172114
Conc: 21.99 ug/ml

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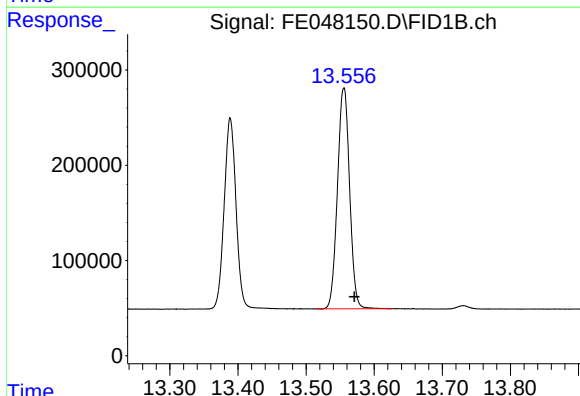
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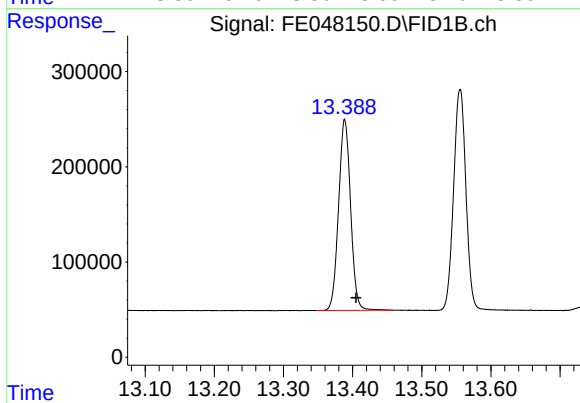
#10 n-Eicosane (C20)

R.T.: 12.945 min
Delta R.T.: -0.015 min
Response: 2954724
Conc: 21.94 ug/ml



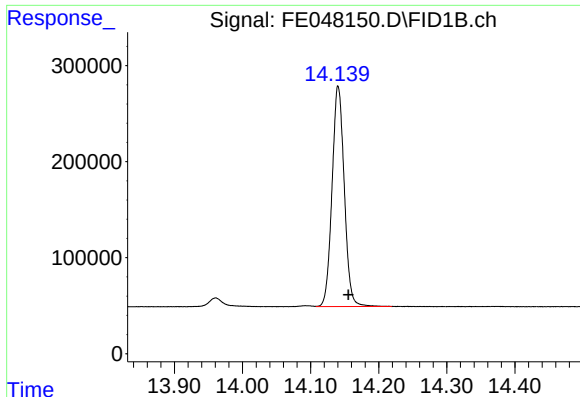
#11 n-Heneicosane (C21)

R.T.: 13.556 min
Delta R.T.: -0.016 min
Response: 2878937
Conc: 21.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.389 min
Delta R.T.: -0.016 min
Response: 2419959
Conc: 21.66 ug/ml



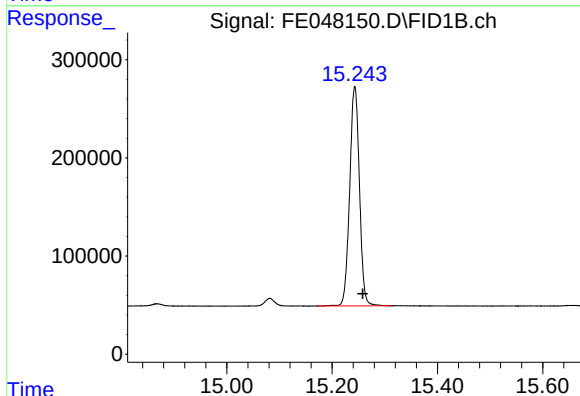
#13 n-Docosane (C22)

R.T.: 14.140 min
Delta R.T.: -0.015 min
Response: 2862337
Conc: 21.60 ug/ml

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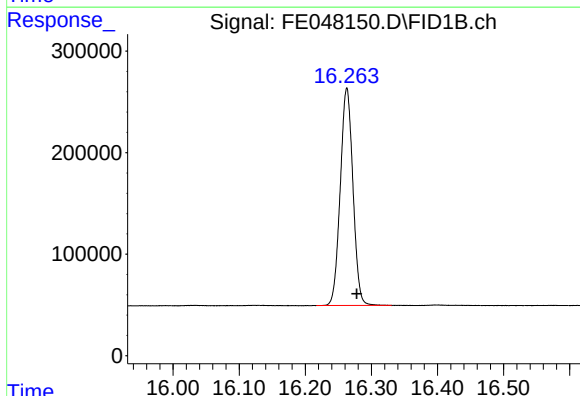
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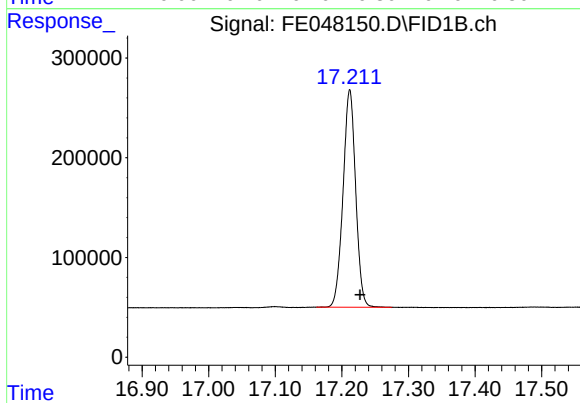
#14 n-Tetracosane (C24)

R.T.: 15.243 min
Delta R.T.: -0.015 min
Response: 2875539
Conc: 21.60 ug/ml



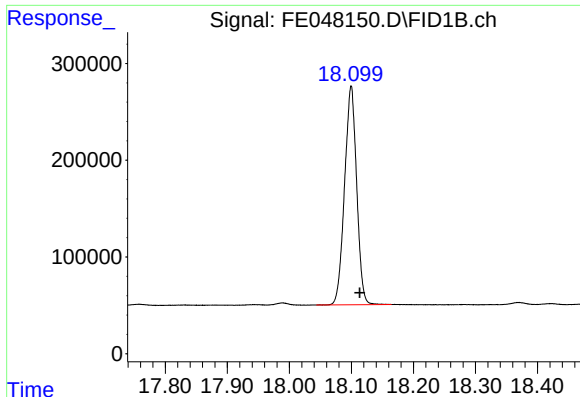
#15 n-Hexacosane (C26)

R.T.: 16.263 min
Delta R.T.: -0.015 min
Response: 2853598
Conc: 21.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.212 min
Delta R.T.: -0.015 min
Response: 2872954
Conc: 21.58 ug/ml



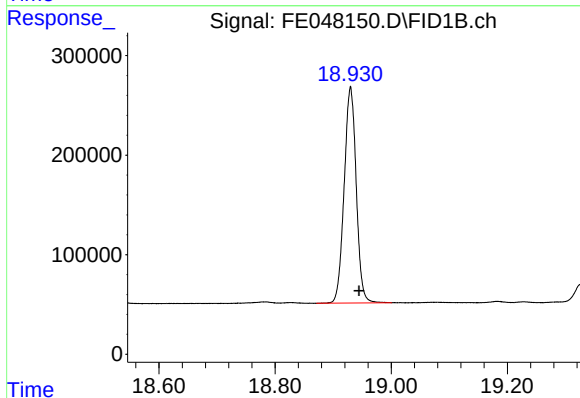
#17 n-Tricontane (C30)

R.T.: 18.100 min
Delta R.T.: -0.014 min
Response: 3055613
Conc: 22.14 ug/ml

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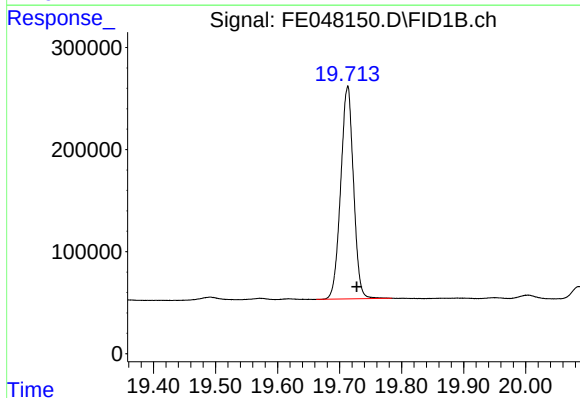
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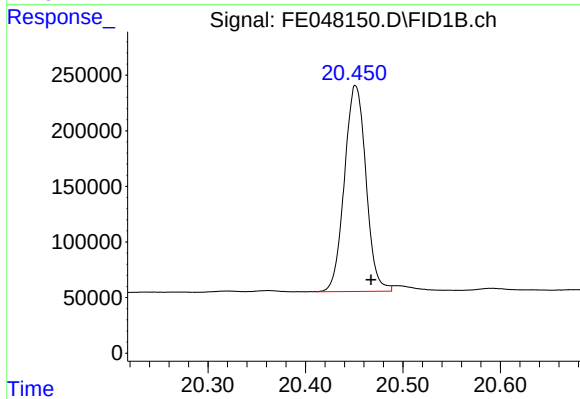
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: -0.015 min
Response: 3128816
Conc: 22.65 ug/ml



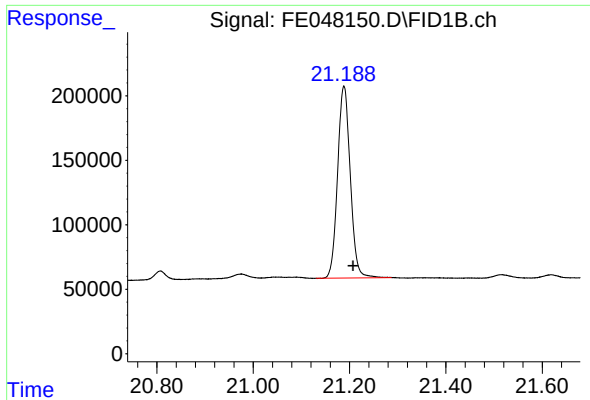
#19 n-Tetratriacontane (C34)

R.T.: 19.713 min
Delta R.T.: -0.015 min
Response: 2986869
Conc: 21.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.017 min
Response: 2844453
Conc: 21.01 ug/ml m



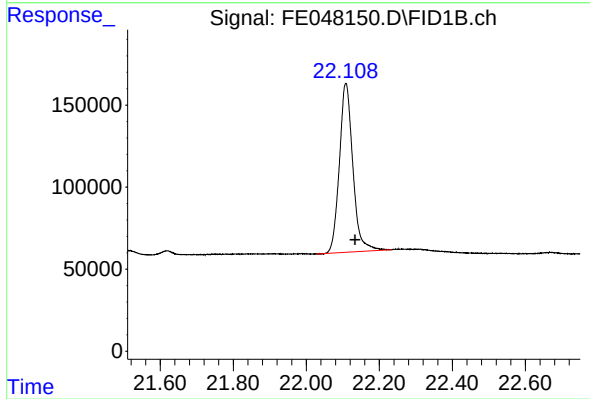
#21 n-Octatriacontane (C38)

R.T.: 21.188 min
Delta R.T.: -0.019 min
Response: 2725222
Conc: 19.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.108 min
Delta R.T.: -0.026 min
Response: 2638442
Conc: 18.94 ug/ml