

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE112123AL\
 Data File : FE045488.D
 Signal(s) : FID1B.ch
 Acq On : 21 Nov 2023 23:24
 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 11/22/2023
 Supervised By :Ankita Jodhani 11/22/2023

Integration File: autoint1.e
 Quant Time: Nov 22 01:01:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110423.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 04 05:16:05 2023
 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)	11.871	3796083	19.882 ug/ml
Spiked Amount 50.000		Recovery =	39.76%
12) S 1-chlorooctadecane (S...	13.313	2743420	19.918 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
Target Compounds			
1) T n-Nonane (C9)	3.258	3249956	19.673 ug/ml
2) T n-Decane (C10)	4.509	3331110	19.866 ug/ml
3) T A~Naphthalene (C11.7)	6.209	3511291	19.671 ug/ml
4) T n-Dodecane (C12)	6.676	3329026	19.712 ug/ml
5) T A~2-methylnaphthalene...	7.305	3362946	19.584 ug/ml
6) T n-Tetradecane (C14)	8.502	3293559	19.761 ug/ml
7) T n-Hexadecane (C16)	10.112	3334020	19.821 ug/ml
8) T n-Octadecane (C18)	11.557	3317313	19.820 ug/ml
10) T n-Eicosane (C20)	12.869	3165564	19.984 ug/ml
11) T n-Heneicosane (C21)	13.482	3053145	19.857 ug/ml
13) T n-Docosane (C22)	14.069	3069886	20.261 ug/ml
14) T n-Tetracosane (C24)	15.173	3107062	20.978 ug/ml
15) T n-Hexacosane (C26)	16.197	3145635	21.582 ug/ml
16) T n-Octacosane (C28)	17.148	3300093	22.583 ug/ml
17) T n-Tricontane (C30)	18.039	3585268	23.603 ug/ml
18) T n-Dotriacontane (C32)	18.872	3671997	23.505 ug/ml
19) T n-Tetratriacontane (C34)	19.659	3487355	22.335 ug/ml
20) T n-Hexatriacontane (C36)	20.398	3387150	20.867 ug/ml
21) T n-Octatriacontane (C38)	21.136	3602444	21.683 ug/ml
22) T n-Tetracontane (C40)	22.043	3051300	17.864 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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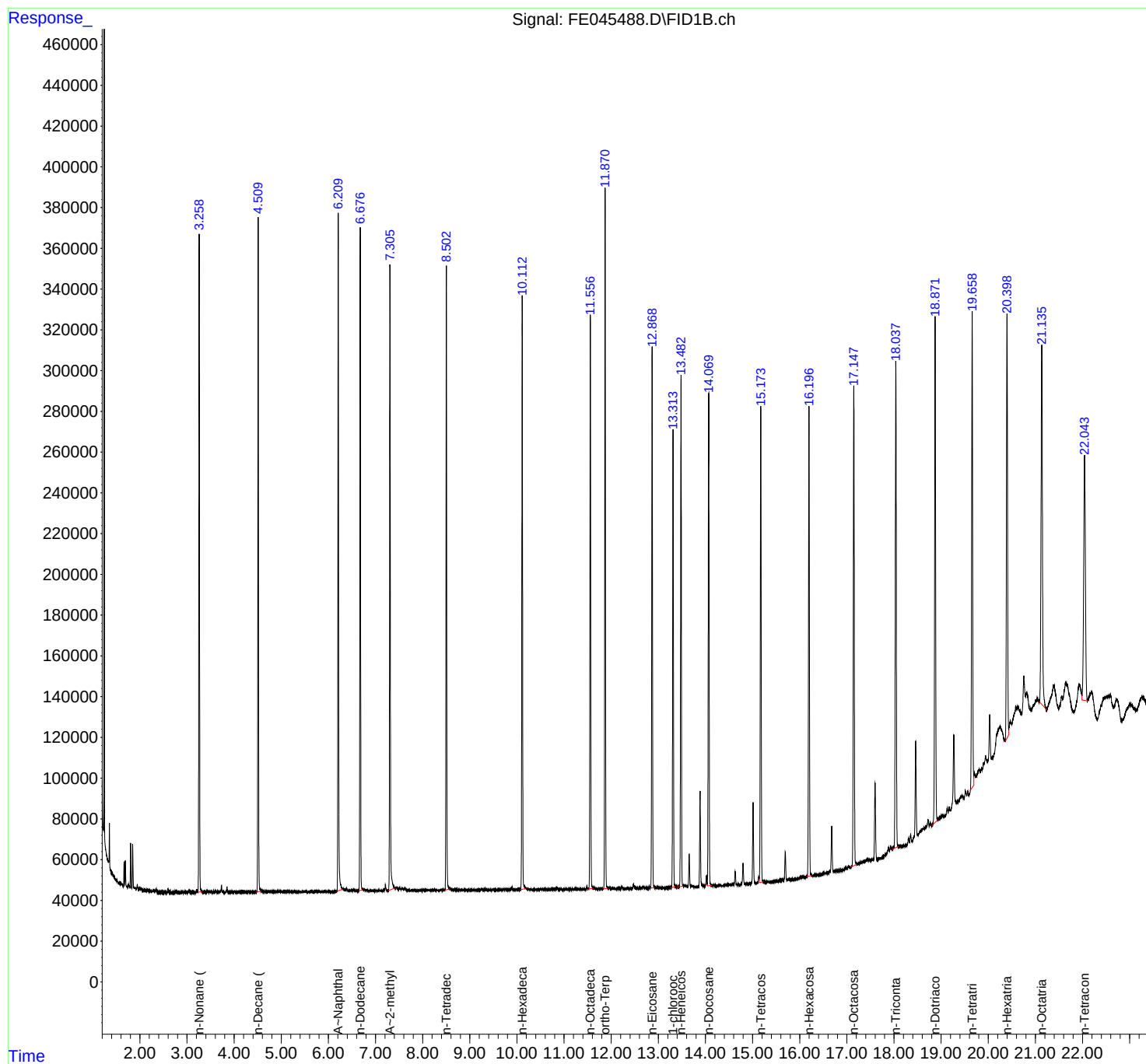
Instrument :
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20 PPM ALIPHATIC HC STD

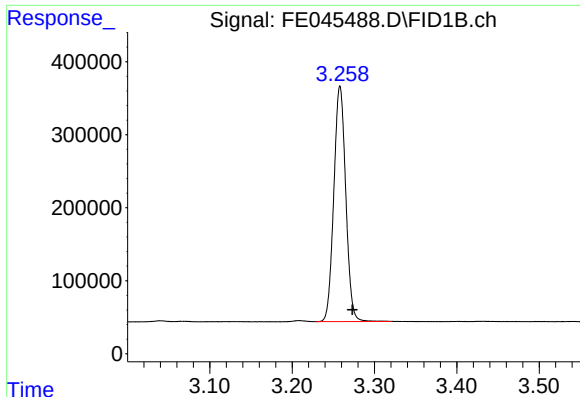
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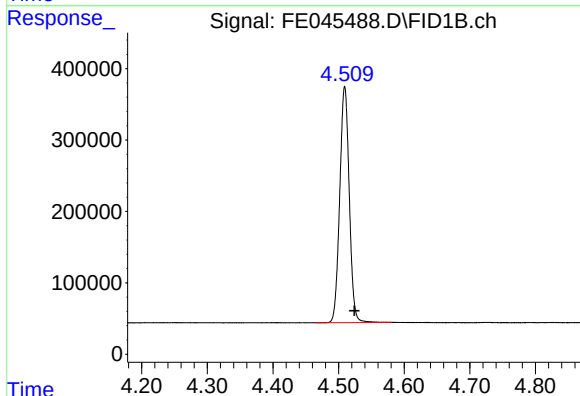
#1 n-Nonane (C9)

R.T.: 3.258 min
Delta R.T.: -0.015 min
Response: 3249956
Conc: 19.67 ug/ml

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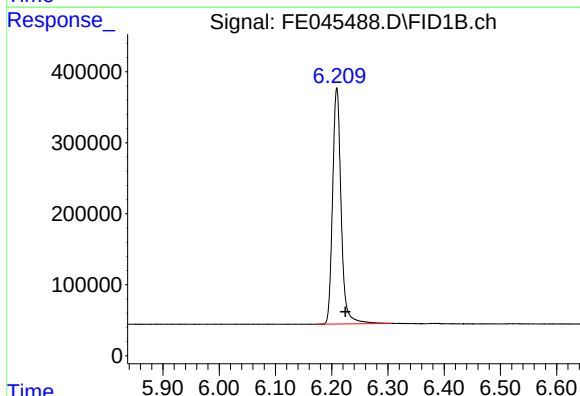
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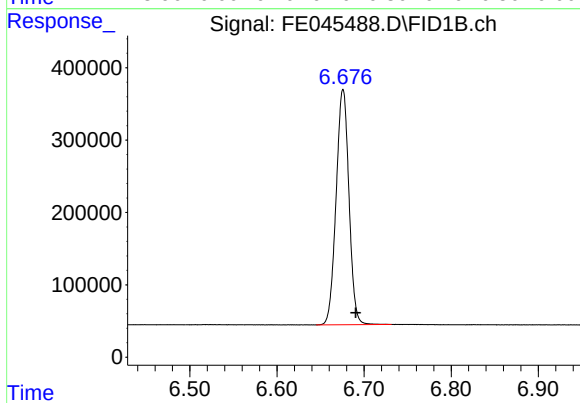
#2 n-Decane (C10)

R.T.: 4.509 min
Delta R.T.: -0.015 min
Response: 3331110
Conc: 19.87 ug/ml



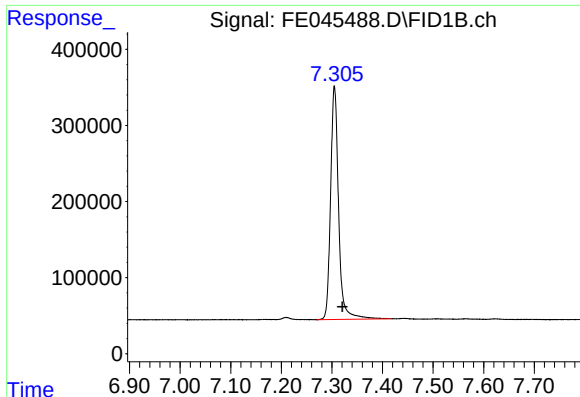
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: -0.015 min
Response: 3511291
Conc: 19.67 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.676 min
Delta R.T.: -0.014 min
Response: 3329026
Conc: 19.71 ug/ml



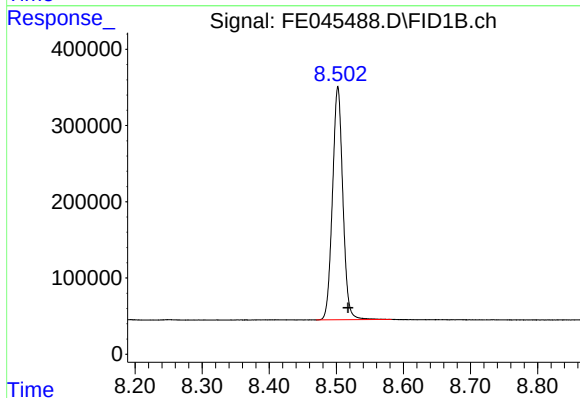
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.305 min
Delta R.T.: -0.016 min
Response: 3362946
Conc: 19.58 ug/ml

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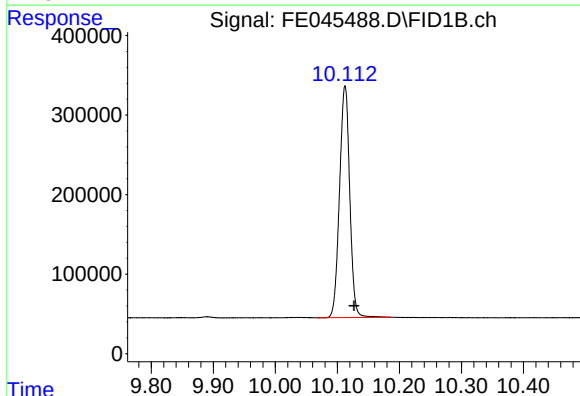
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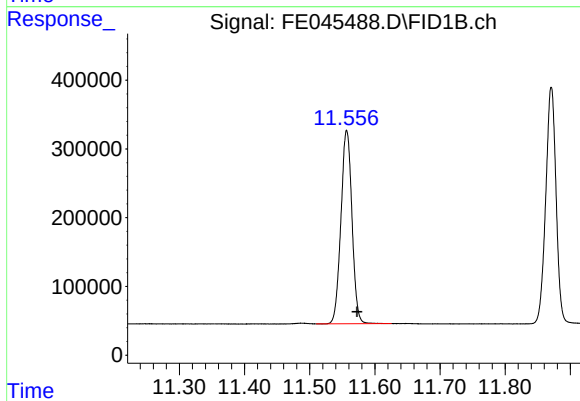
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.015 min
Response: 3293559
Conc: 19.76 ug/ml



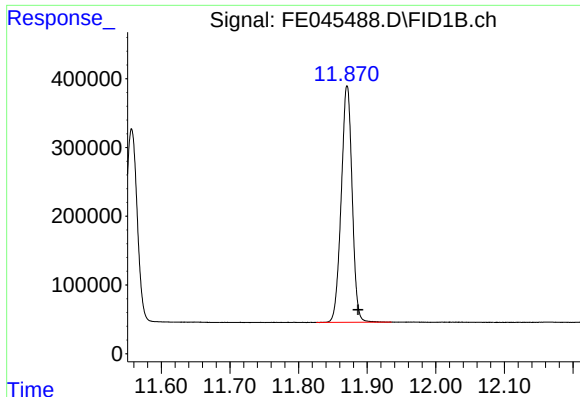
#7 n-Hexadecane (C16)

R.T.: 10.112 min
Delta R.T.: -0.014 min
Response: 3334020
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.016 min
Response: 3317313
Conc: 19.82 ug/ml



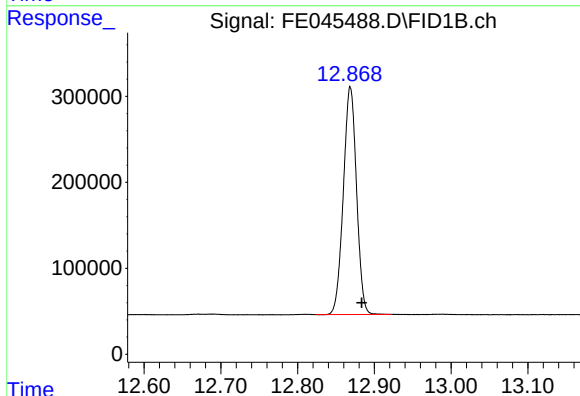
#9 ortho-Terphenyl (SURR)

R.T.: 11.871 min
Delta R.T.: -0.016 min
Response: 3796083
Conc: 19.88 ug/ml

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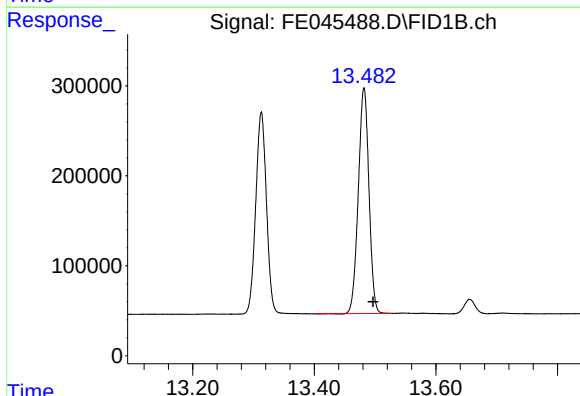
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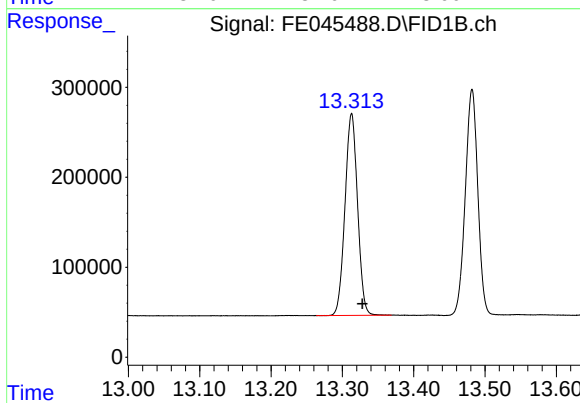
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.015 min
Response: 3165564
Conc: 19.98 ug/ml



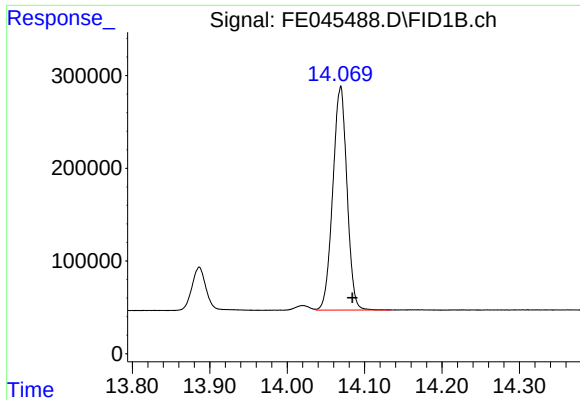
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.015 min
Response: 3053145
Conc: 19.86 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.015 min
Response: 2743420
Conc: 19.92 ug/ml



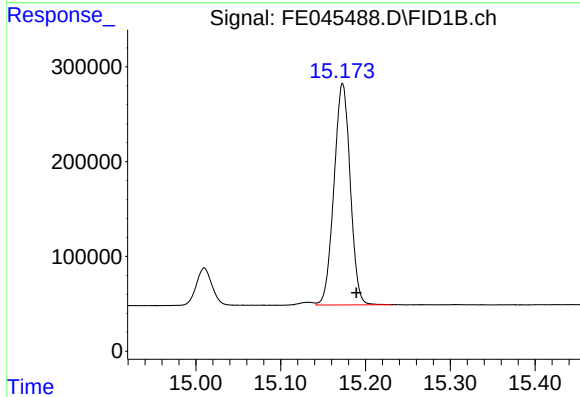
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.015 min
Response: 3069886
Conc: 20.26 ug/ml

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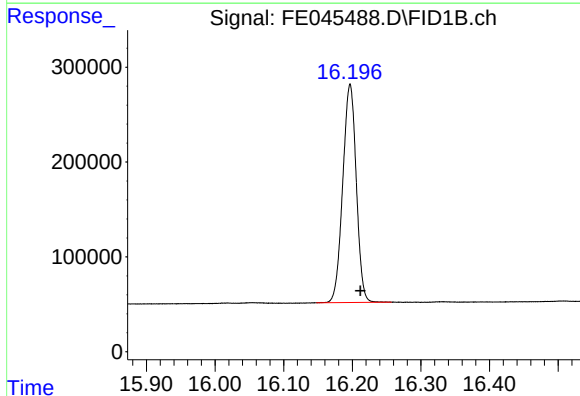
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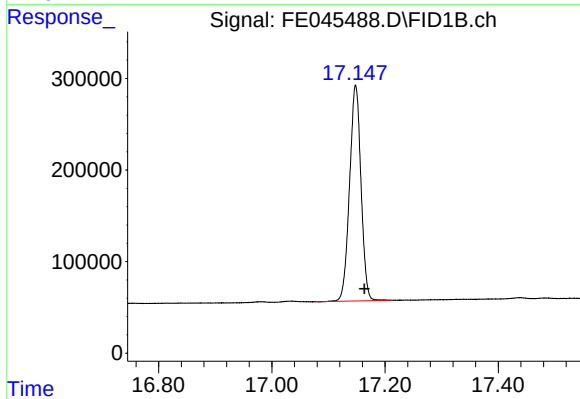
#14 n-Tetracosane (C24)

R.T.: 15.173 min
Delta R.T.: -0.016 min
Response: 3107062
Conc: 20.98 ug/ml



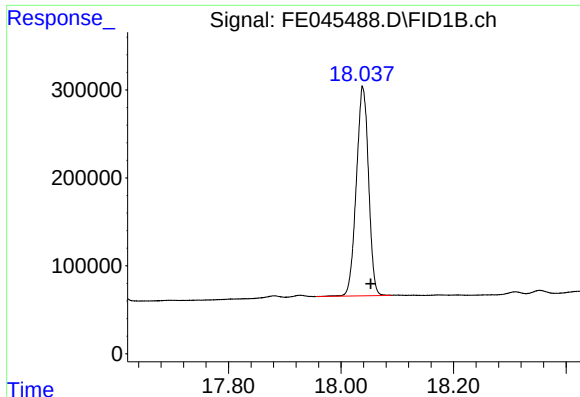
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.015 min
Response: 3145635
Conc: 21.58 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.148 min
Delta R.T.: -0.015 min
Response: 3300093
Conc: 22.58 ug/ml



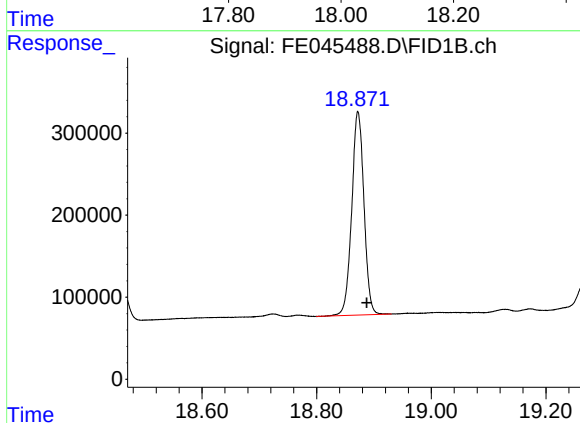
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: -0.014 min
Response: 3585268
Conc: 23.60 ug/ml

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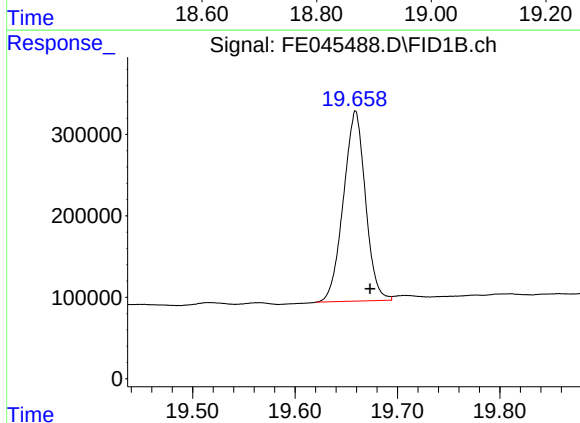
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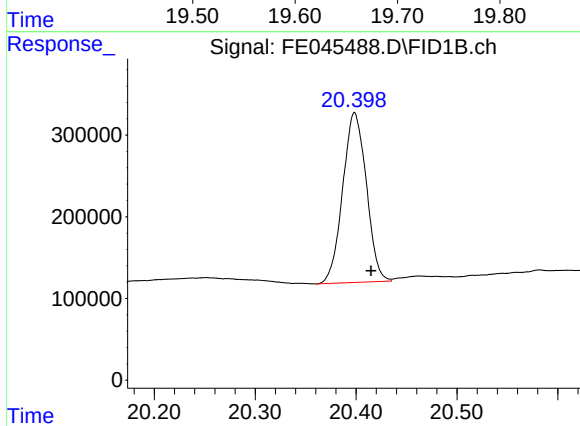
#18 n-Dotriacontane (C32)

R.T.: 18.872 min
Delta R.T.: -0.016 min
Response: 3671997
Conc: 23.51 ug/ml



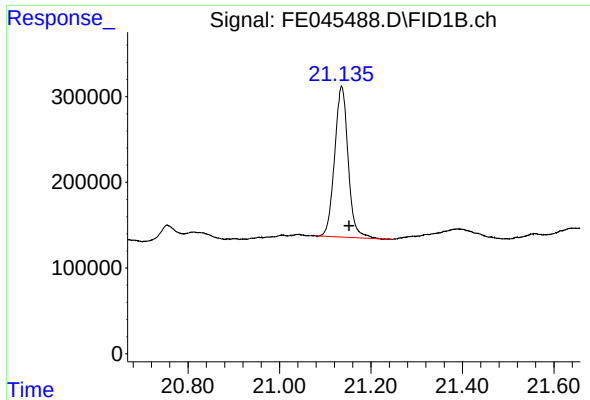
#19 n-Tetratriacontane (C34)

R.T.: 19.659 min
Delta R.T.: -0.014 min
Response: 3487355
Conc: 22.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.398 min
Delta R.T.: -0.016 min
Response: 3387150
Conc: 20.87 ug/ml



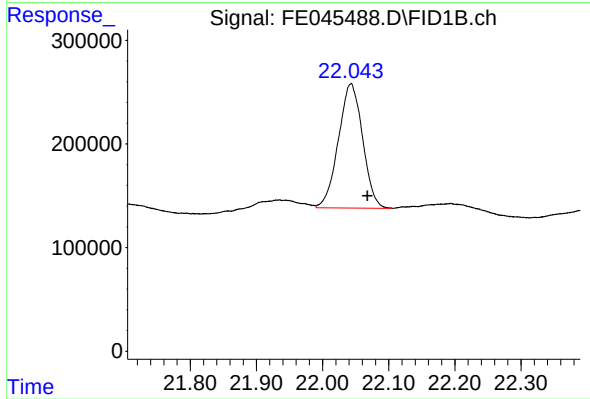
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: -0.016 min
Response: 3602444
Conc: 21.68 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.043 min
Delta R.T.: -0.024 min
Response: 3051300
Conc: 17.86 ug/ml m