

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102023AL\
 Data File : FE044948.D
 Signal(s) : FID1B.ch
 Acq On : 20 Oct 2023 13:08
 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 10/23/2023
 Supervised By :Ankita Jodhani 10/23/2023

Integration File: autoint1.e
 Quant Time: Oct 20 13:46:55 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 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)	11.901	3726998	18.592 ug/ml
Spiked Amount 50.000		Recovery =	37.18%
12) S 1-chlorooctadecane (S...	13.342	2652646	17.925 ug/ml
Spiked Amount 50.000		Recovery =	35.85%
Target Compounds			
1) T n-Nonane (C9)	3.285	3247982	19.362 ug/ml
2) T n-Decane (C10)	4.536	3314550	19.457 ug/ml
3) T A~Naphthalene (C11.7)	6.237	3526943	19.052 ug/ml
4) T n-Dodecane (C12)	6.702	3343692	19.370 ug/ml
5) T A~2-methylnaphthalene...	7.333	3384379	18.761 ug/ml
6) T n-Tetradecane (C14)	8.530	3288500	19.177 ug/ml
7) T n-Hexadecane (C16)	10.140	3306456	18.908 ug/ml
8) T n-Octadecane (C18)	11.586	3268801	18.742 ug/ml
10) T n-Eicosane (C20)	12.898	3097582	18.545 ug/ml
11) T n-Heneicosane (C21)	13.511	2987041	18.324 ug/ml
13) T n-Docosane (C22)	14.098	3000889	18.761 ug/ml
14) T n-Tetracosane (C24)	15.203	3038910	19.581 ug/ml
15) T n-Hexacosane (C26)	16.226	3073245	20.470 ug/ml
16) T n-Octacosane (C28)	17.178	3173713	21.613 ug/ml
17) T n-Tricontane (C30)	18.067	3313825	22.281 ug/ml
18) T n-Dotriacontane (C32)	18.902	3346238	22.294 ug/ml
19) T n-Tetratriacontane (C34)	19.687	3156972	21.207 ug/ml
20) T n-Hexatriacontane (C36)	20.429	3100166	20.165 ug/ml
21) T n-Octatriacontane (C38)	21.166	3136910	20.081 ug/mlm
22) T n-Tetracontane (C40)	22.087	3118263	18.659 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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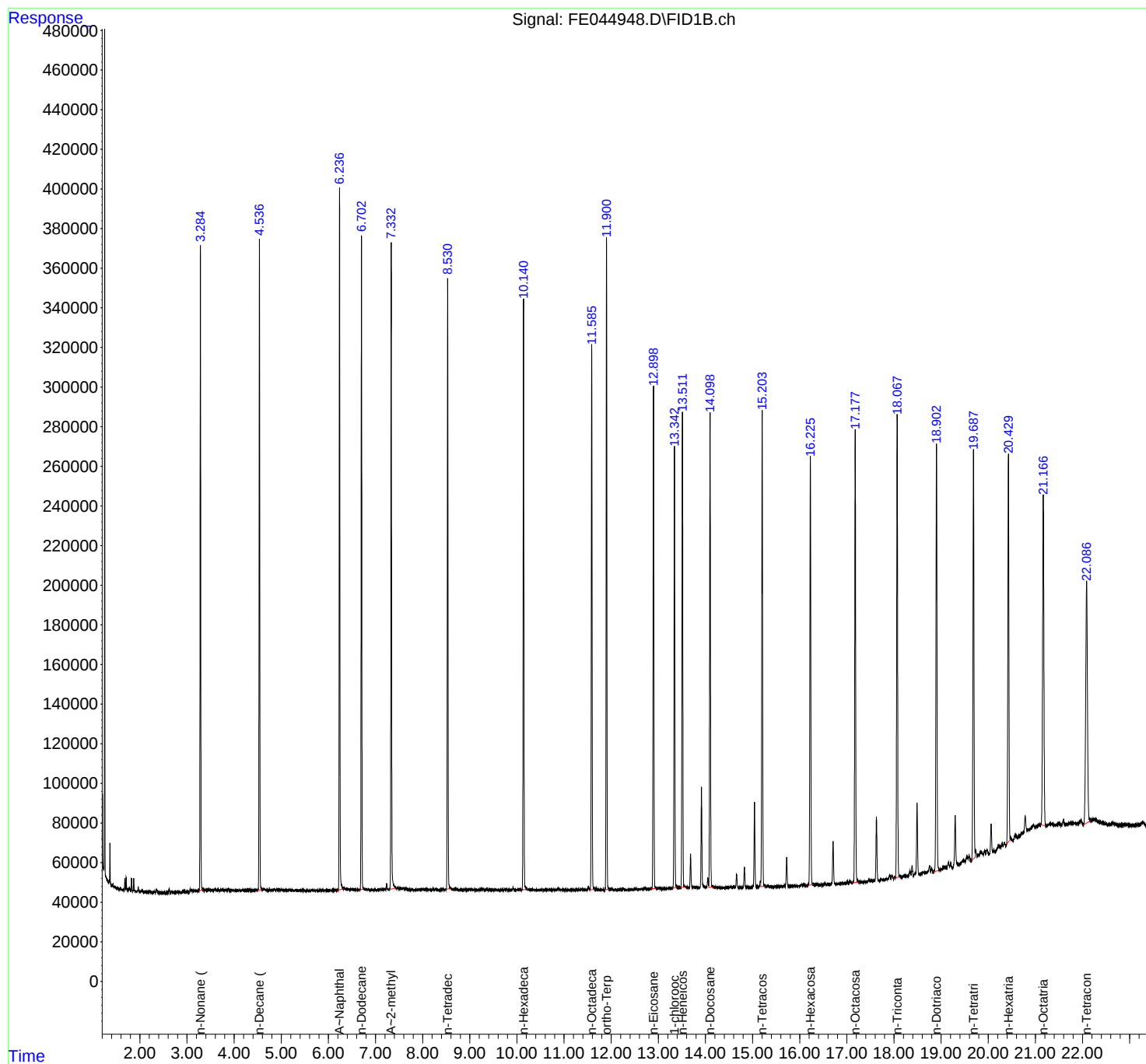
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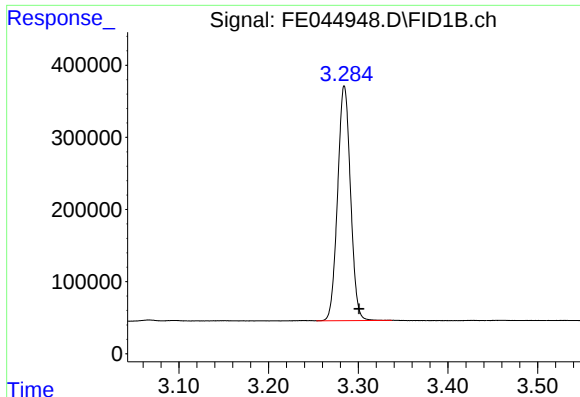
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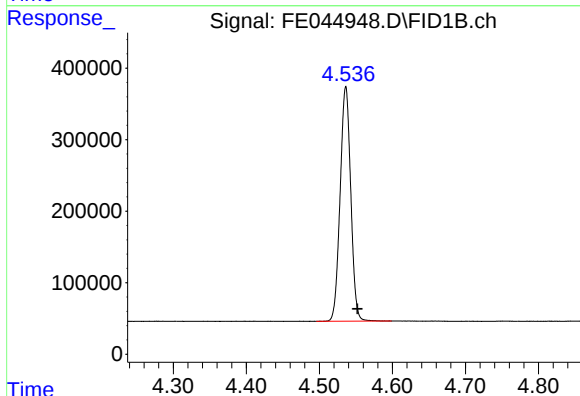
#1 n-Nonane (C9)

R.T.: 3.285 min
Delta R.T.: -0.016 min
Response: 3247982
Conc: 19.36 ug/ml

Instrument :
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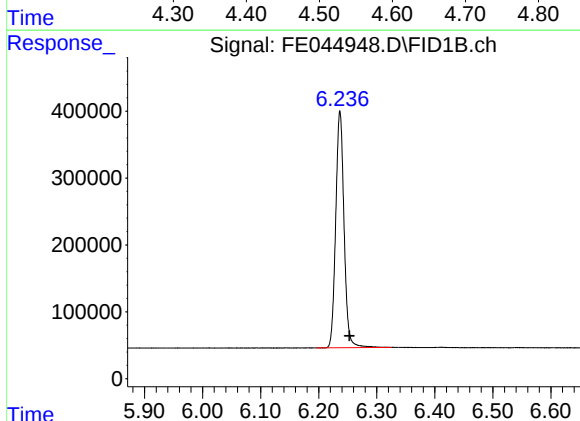
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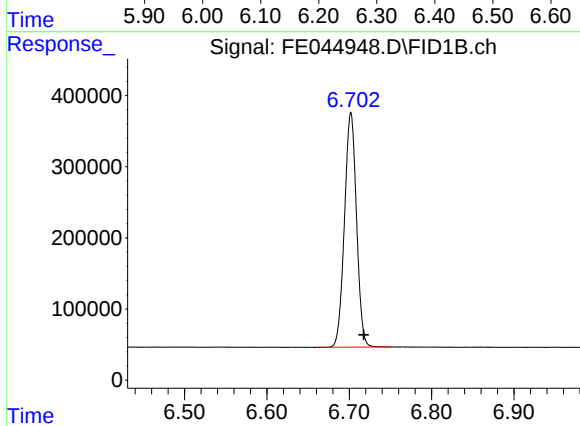
#2 n-Decane (C10)

R.T.: 4.536 min
Delta R.T.: -0.016 min
Response: 3314550
Conc: 19.46 ug/ml



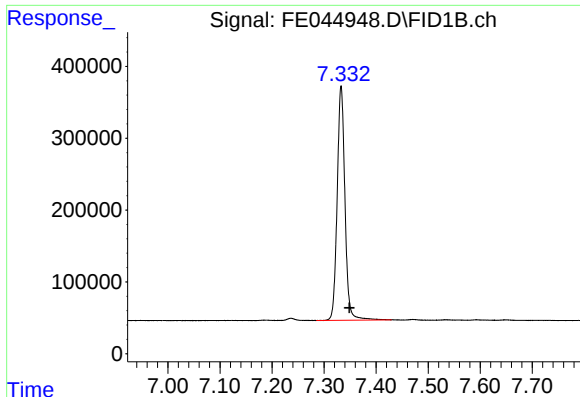
#3 A~Naphthalene (C11.7)

R.T.: 6.237 min
Delta R.T.: -0.016 min
Response: 3526943
Conc: 19.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.702 min
Delta R.T.: -0.016 min
Response: 3343692
Conc: 19.37 ug/ml



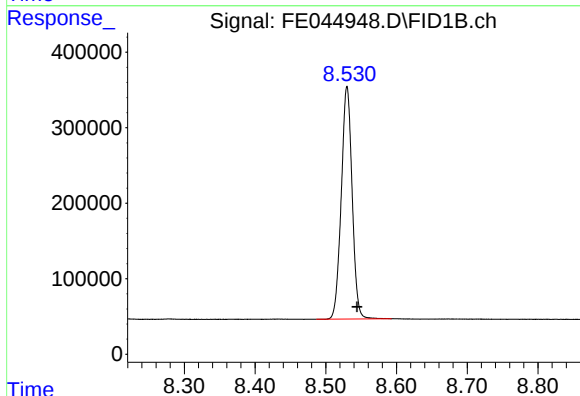
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.333 min
Delta R.T.: -0.016 min
Response: 3384379
Conc: 18.76 ug/ml

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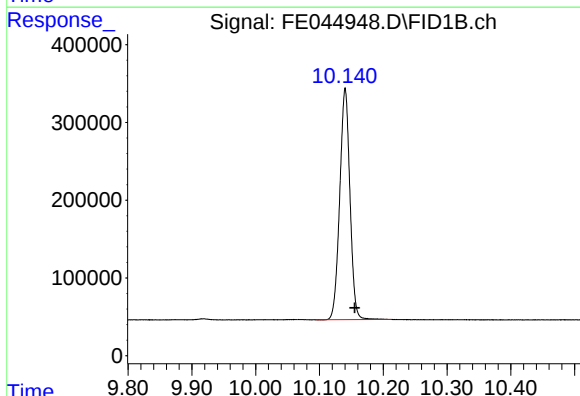
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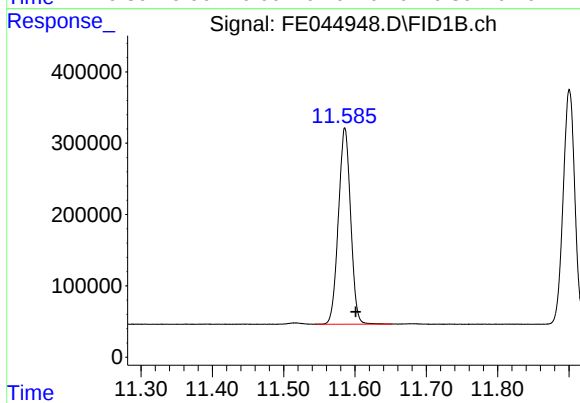
#6 n-Tetradecane (C14)

R.T.: 8.530 min
Delta R.T.: -0.014 min
Response: 3288500
Conc: 19.18 ug/ml



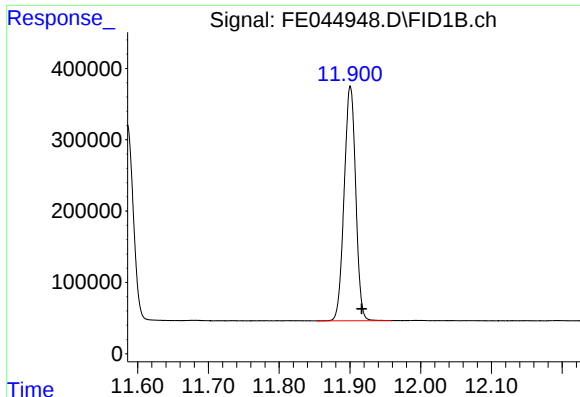
#7 n-Hexadecane (C16)

R.T.: 10.140 min
Delta R.T.: -0.015 min
Response: 3306456
Conc: 18.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.586 min
Delta R.T.: -0.015 min
Response: 3268801
Conc: 18.74 ug/ml



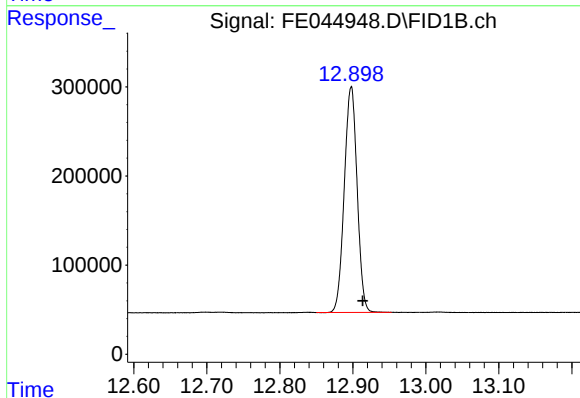
#9 ortho-Terphenyl (SURR)

R.T.: 11.901 min
Delta R.T.: -0.016 min
Response: 3726998
Conc: 18.59 ug/ml

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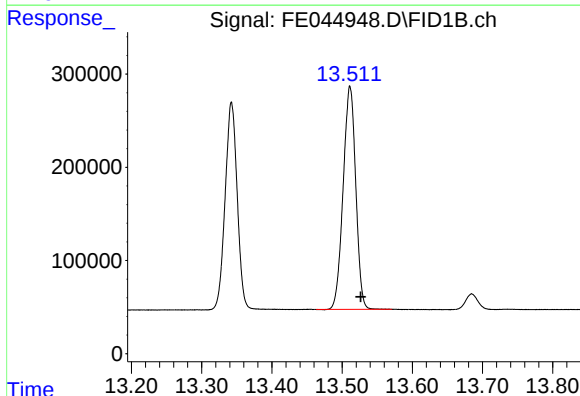
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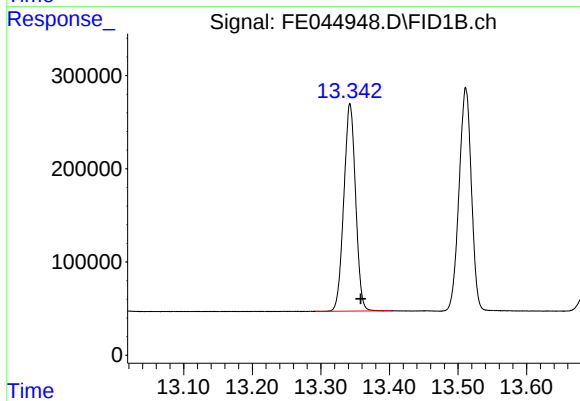
#10 n-Eicosane (C20)

R.T.: 12.898 min
Delta R.T.: -0.016 min
Response: 3097582
Conc: 18.55 ug/ml



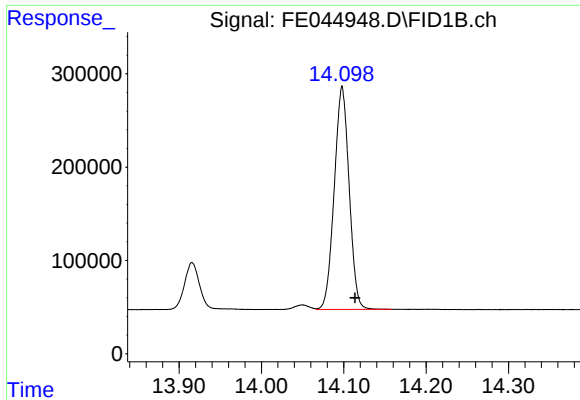
#11 n-Heneicosane (C21)

R.T.: 13.511 min
Delta R.T.: -0.015 min
Response: 2987041
Conc: 18.32 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.342 min
Delta R.T.: -0.016 min
Response: 2652646
Conc: 17.93 ug/ml



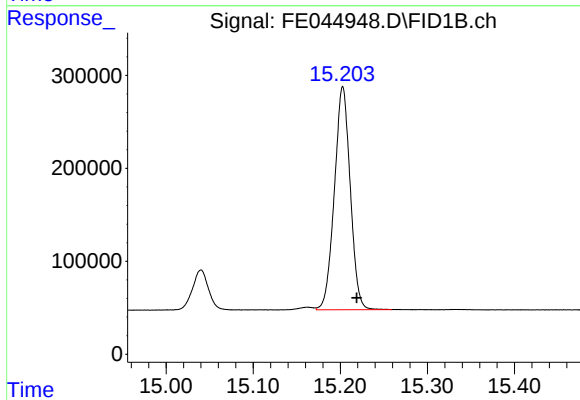
#13 n-Docosane (C22)

R.T.: 14.098 min
Delta R.T.: -0.016 min
Response: 3000889
Conc: 18.76 ug/ml

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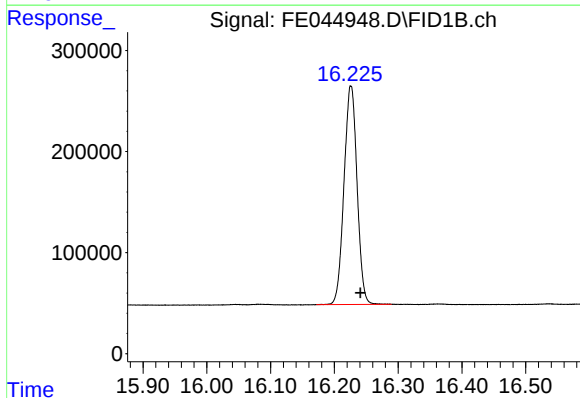
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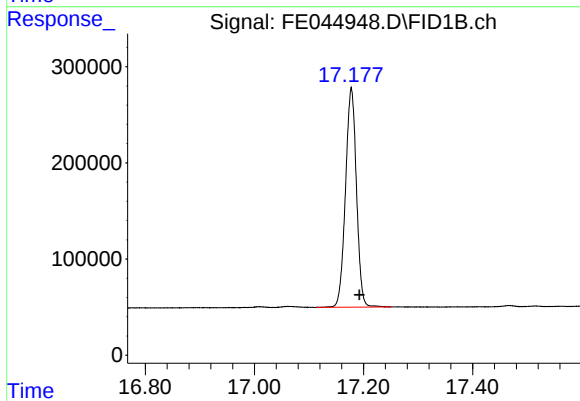
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: -0.016 min
Response: 3038910
Conc: 19.58 ug/ml



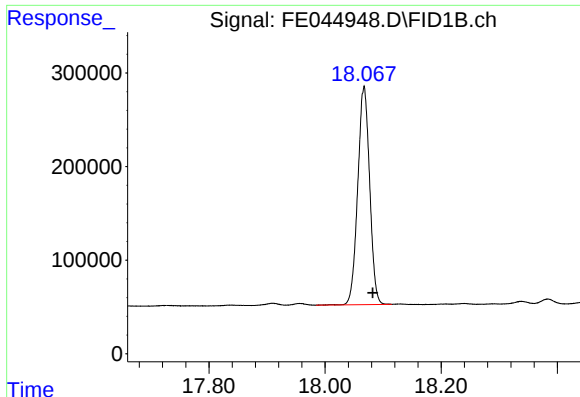
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: -0.015 min
Response: 3073245
Conc: 20.47 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min
Delta R.T.: -0.015 min
Response: 3173713
Conc: 21.61 ug/ml



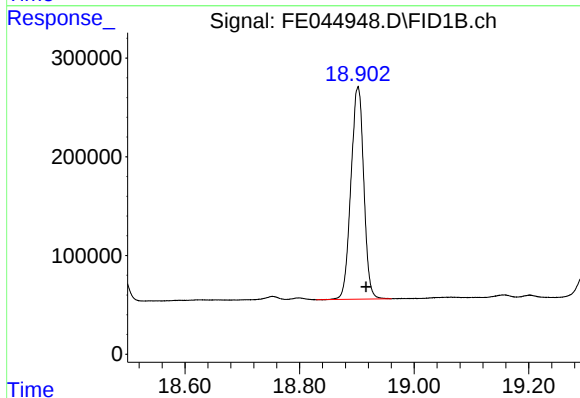
#17 n-Tricontane (C30)

R.T.: 18.067 min
Delta R.T.: -0.015 min
Response: 3313825
Conc: 22.28 ug/ml

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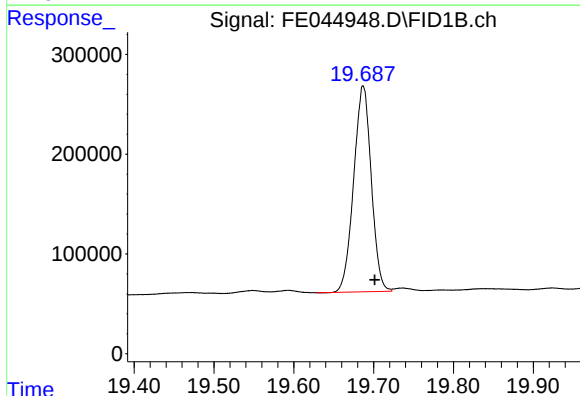
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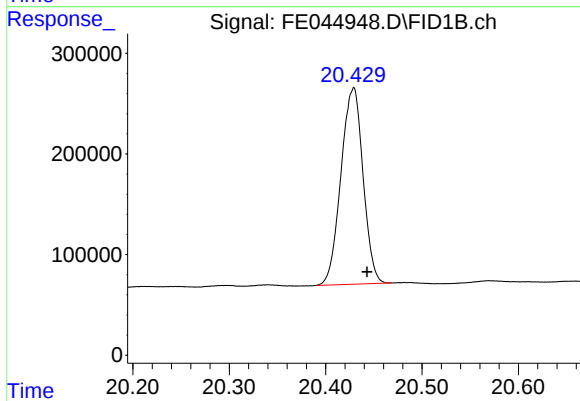
#18 n-Dotriacontane (C32)

R.T.: 18.902 min
Delta R.T.: -0.014 min
Response: 3346238
Conc: 22.29 ug/ml



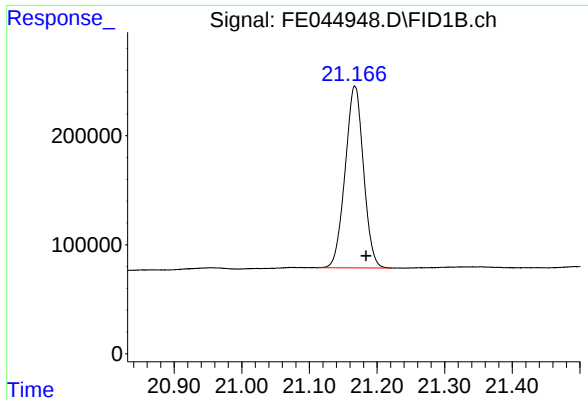
#19 n-Tetratriacontane (C34)

R.T.: 19.687 min
Delta R.T.: -0.014 min
Response: 3156972
Conc: 21.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.429 min
Delta R.T.: -0.014 min
Response: 3100166
Conc: 20.16 ug/ml



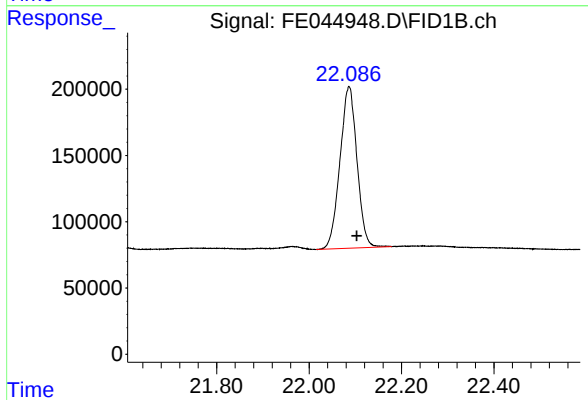
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: -0.018 min
Response: 3136910
Conc: 20.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: -0.017 min
Response: 3118263
Conc: 18.66 ug/ml