

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103123AL\
 Data File : FE045121.D
 Signal(s) : FID1B.ch
 Acq On : 01 Nov 2023 00:20
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Integration File: autoint1.e
 Quant Time: Nov 01 02:54:37 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)	11.895	3611094	18.014 ug/ml
Spiked Amount 50.000		Recovery =	36.03%
12) S 1-chlorooctadecane (S...	13.338	2629070	17.766 ug/ml
Spiked Amount 50.000		Recovery =	35.53%
Target Compounds			
1) T n-Nonane (C9)	3.279	3118652	18.591 ug/ml
2) T n-Decane (C10)	4.531	3242788	19.036 ug/ml
3) T A~Naphthalene (C11.7)	6.232	3438171	18.573 ug/ml
4) T n-Dodecane (C12)	6.697	3246858	18.809 ug/ml
5) T A~2-methylnaphthalene...	7.329	3296635	18.275 ug/ml
6) T n-Tetradecane (C14)	8.524	3183536	18.565 ug/ml
7) T n-Hexadecane (C16)	10.135	3199119	18.294 ug/ml
8) T n-Octadecane (C18)	11.581	3143545	18.023 ug/ml
10) T n-Eicosane (C20)	12.893	2981989	17.853 ug/ml
11) T n-Heneicosane (C21)	13.506	2904257	17.816 ug/ml
13) T n-Docosane (C22)	14.094	2863427	17.902 ug/ml
14) T n-Tetracosane (C24)	15.199	2839480	18.296 ug/ml
15) T n-Hexacosane (C26)	16.223	2782097	18.531 ug/ml
16) T n-Octacosane (C28)	17.175	2819756	19.202 ug/ml
17) T n-Tricontane (C30)	18.065	3002859	20.190 ug/ml
18) T n-Dotriacontane (C32)	18.901	3107144	20.701 ug/ml
19) T n-Tetratriacontane (C34)	19.686	3100766	20.830 ug/mlm
20) T n-Hexatriacontane (C36)	20.428	3255450	21.175 ug/mlm
21) T n-Octatriacontane (C38)	21.170	3161581	20.239 ug/mlm
22) T n-Tetracontane (C40)	22.090	3440696	20.588 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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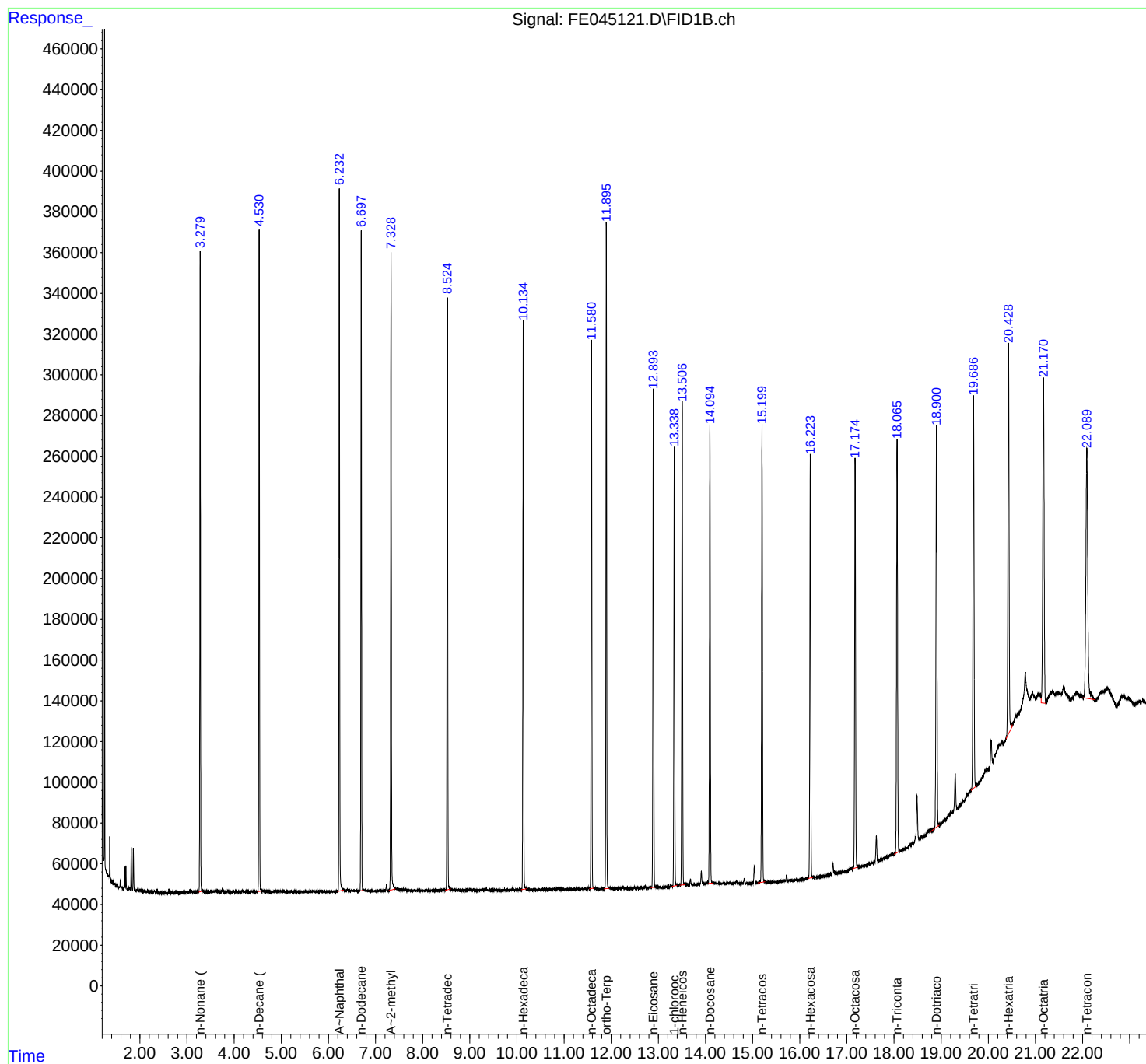
Instrument :
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20 PPM ALIPHATIC HC STD

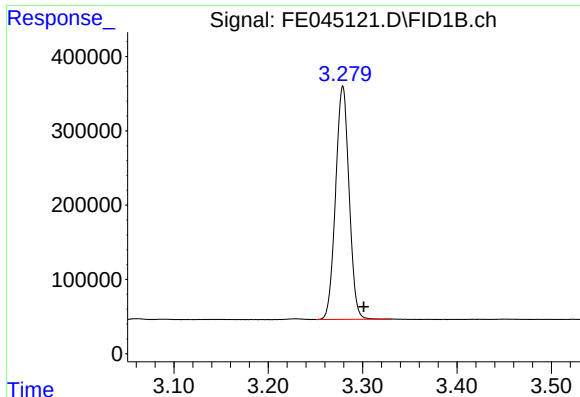
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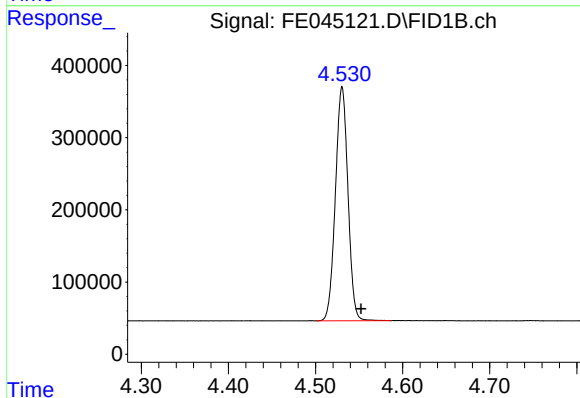
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.022 min
Response: 3118652
Conc: 18.59 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD

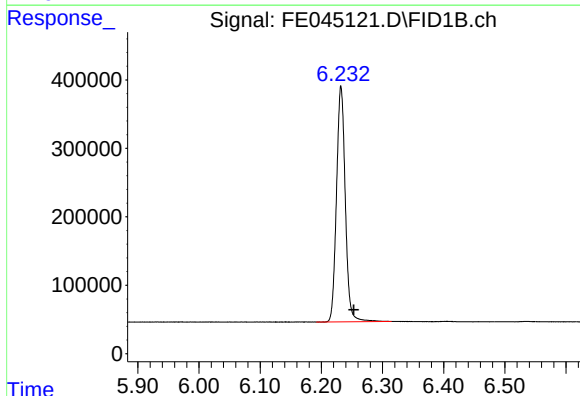
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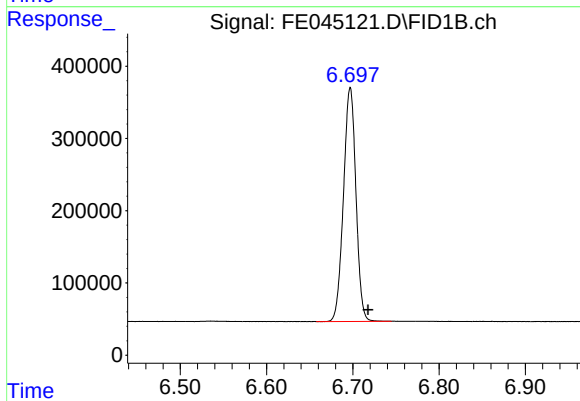
#2 n-Decane (C10)

R.T.: 4.531 min
Delta R.T.: -0.022 min
Response: 3242788
Conc: 19.04 ug/ml



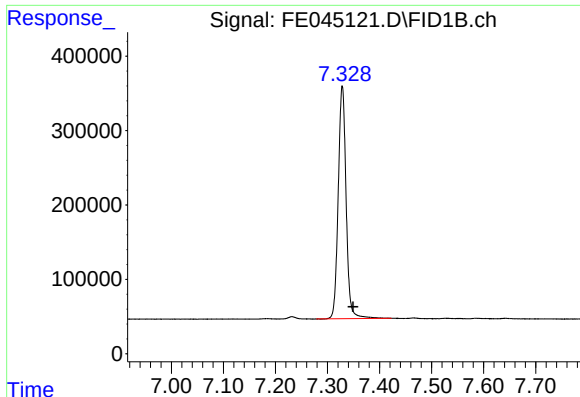
#3 A~Naphthalene (C11.7)

R.T.: 6.232 min
Delta R.T.: -0.021 min
Response: 3438171
Conc: 18.57 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min
Delta R.T.: -0.021 min
Response: 3246858
Conc: 18.81 ug/ml



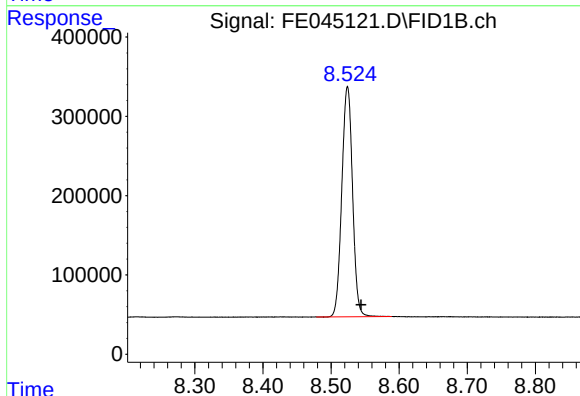
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.329 min
Delta R.T.: -0.020 min
Response: 3296635
Conc: 18.27 ug/ml

Instrument :
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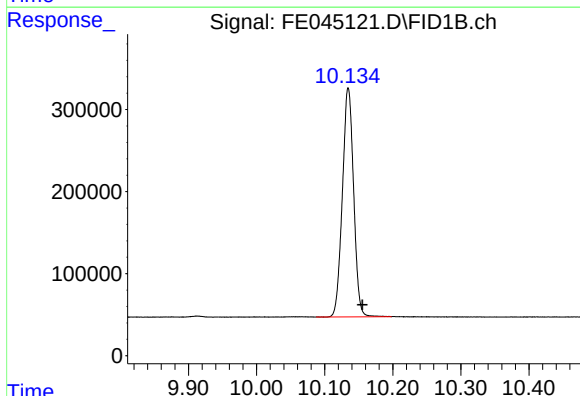
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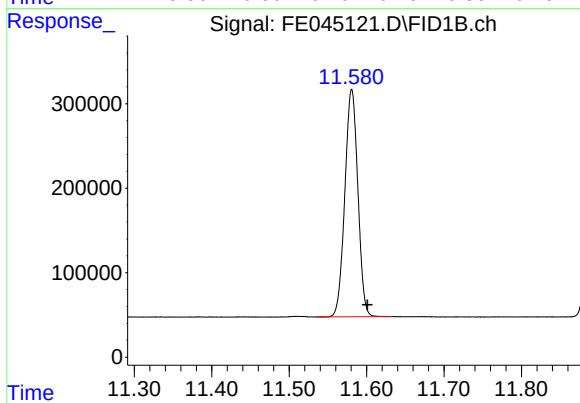
#6 n-Tetradecane (C14)

R.T.: 8.524 min
Delta R.T.: -0.020 min
Response: 3183536
Conc: 18.57 ug/ml



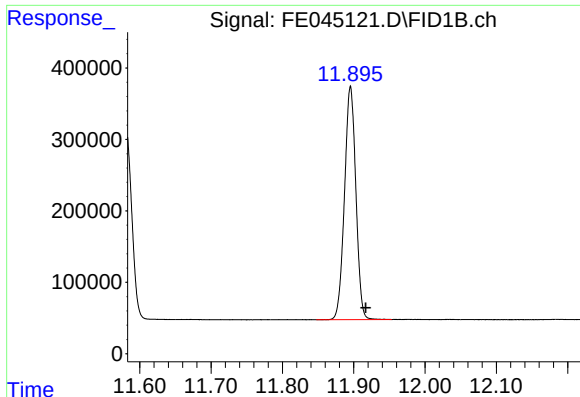
#7 n-Hexadecane (C16)

R.T.: 10.135 min
Delta R.T.: -0.021 min
Response: 3199119
Conc: 18.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.581 min
Delta R.T.: -0.020 min
Response: 3143545
Conc: 18.02 ug/ml



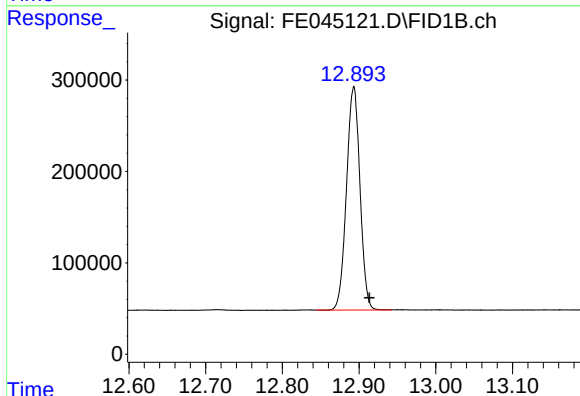
#9 ortho-Terphenyl (SURR)

R.T.: 11.895 min
Delta R.T.: -0.021 min
Response: 3611094
Conc: 18.01 ug/ml

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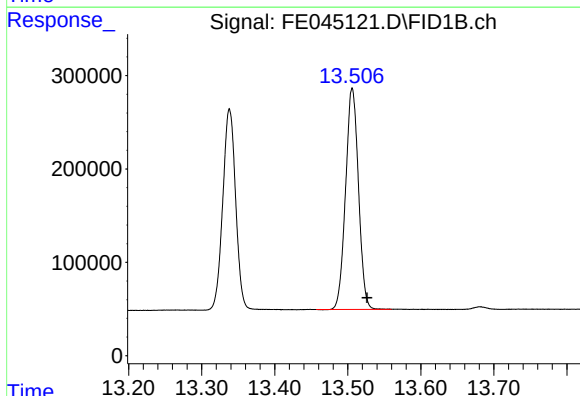
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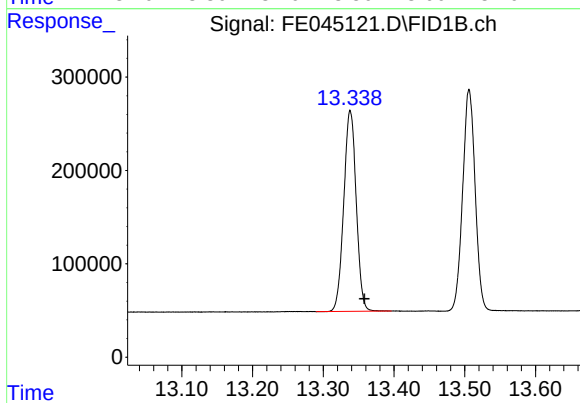
#10 n-Eicosane (C20)

R.T.: 12.893 min
Delta R.T.: -0.020 min
Response: 2981989
Conc: 17.85 ug/ml



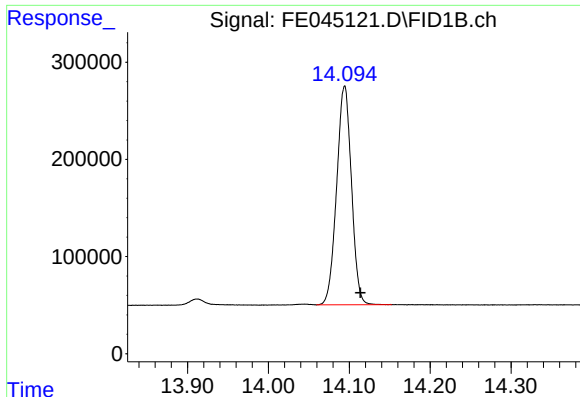
#11 n-Heneicosane (C21)

R.T.: 13.506 min
Delta R.T.: -0.020 min
Response: 2904257
Conc: 17.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.338 min
Delta R.T.: -0.020 min
Response: 2629070
Conc: 17.77 ug/ml



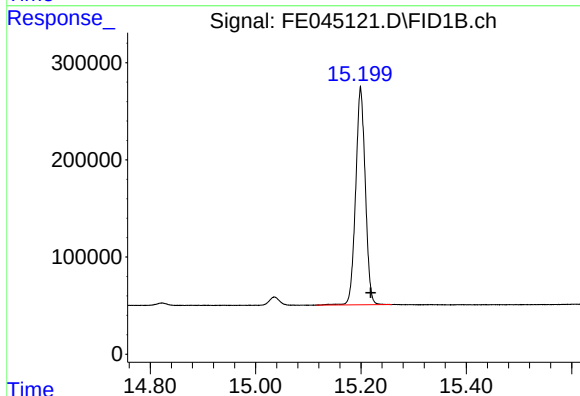
#13 n-Docosane (C22)

R.T.: 14.094 min
Delta R.T.: -0.020 min
Response: 2863427
Conc: 17.90 ug/ml

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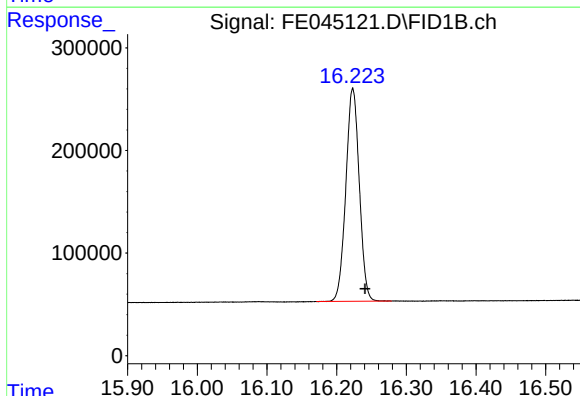
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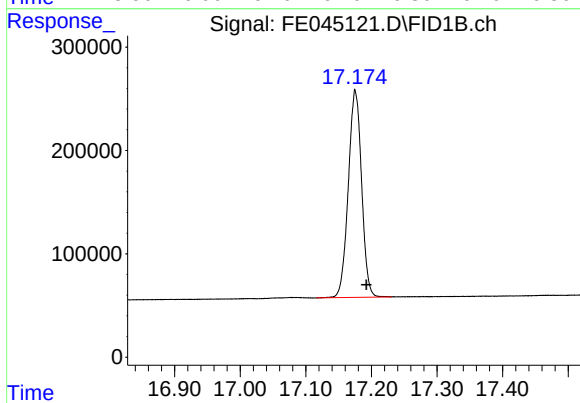
#14 n-Tetracosane (C24)

R.T.: 15.199 min
Delta R.T.: -0.019 min
Response: 2839480
Conc: 18.30 ug/ml



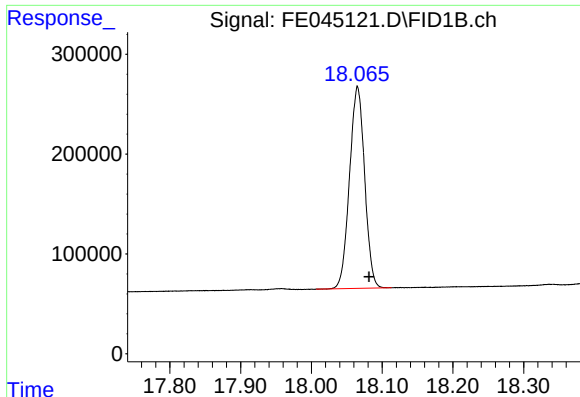
#15 n-Hexacosane (C26)

R.T.: 16.223 min
Delta R.T.: -0.017 min
Response: 2782097
Conc: 18.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.175 min
Delta R.T.: -0.017 min
Response: 2819756
Conc: 19.20 ug/ml



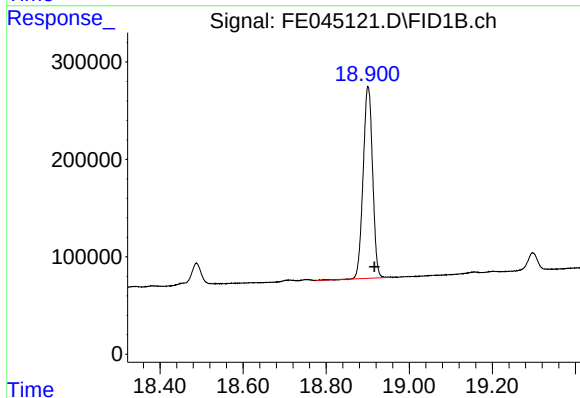
#17 n-Tricontane (C30)

R.T.: 18.065 min
Delta R.T.: -0.017 min
Response: 3002859
Conc: 20.19 ug/ml

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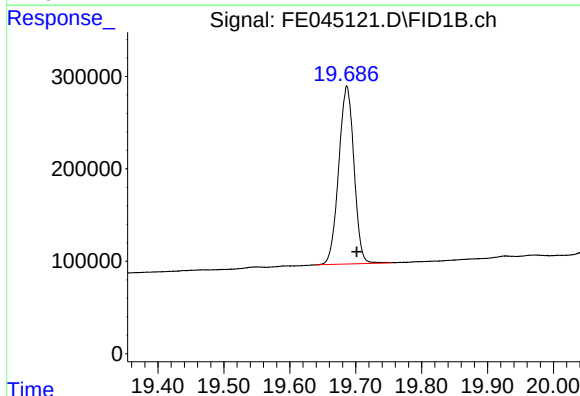
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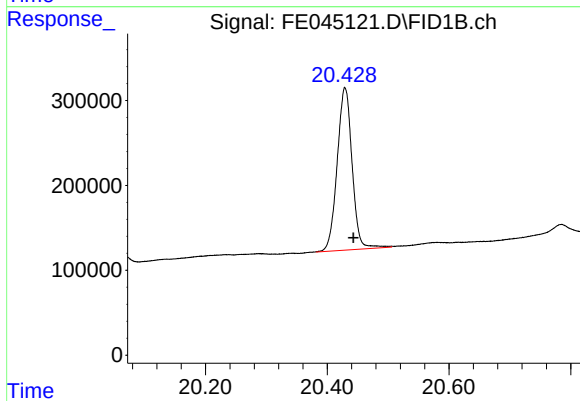
#18 n-Dotriacontane (C32)

R.T.: 18.901 min
Delta R.T.: -0.015 min
Response: 3107144
Conc: 20.70 ug/ml



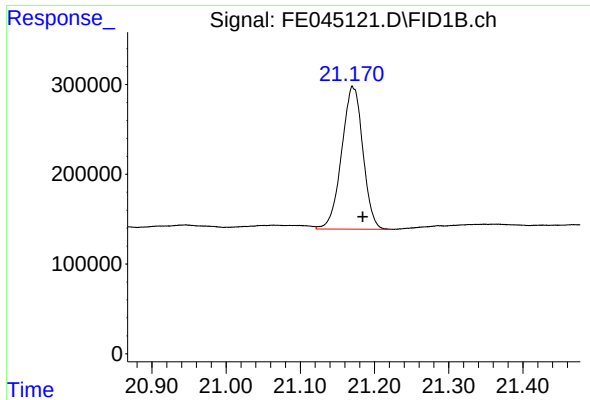
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.015 min
Response: 3100766
Conc: 20.83 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.428 min
Delta R.T.: -0.015 min
Response: 3255450
Conc: 21.17 ug/ml m



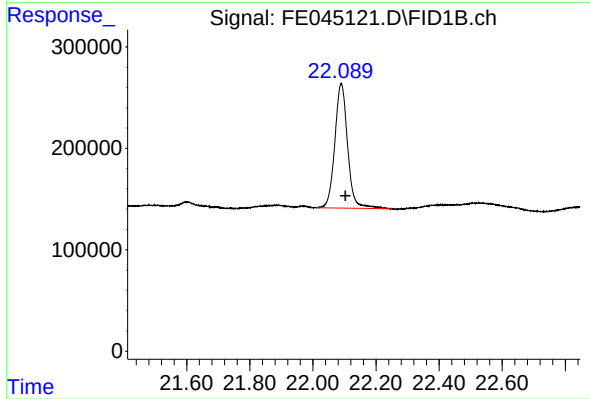
#21 n-Octatriacontane (C38)

R.T.: 21.170 min
Delta R.T.: -0.014 min
Response: 3161581
Conc: 20.24 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.090 min
Delta R.T.: -0.014 min
Response: 3440696
Conc: 20.59 ug/ml