

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110123AL\
 Data File : FE045124.D
 Signal(s) : FID1B.ch
 Acq On : 01 Nov 2023 08:16
 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 11/06/2023

Integration File: autoint1.e
 Quant Time: Nov 01 08:54:37 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)	11.898	3755894	18.736 ug/ml
Spiked Amount 50.000		Recovery =	37.47%
12) S 1-chlorooctadecane (S...	13.341	2729417	18.444 ug/ml
Spiked Amount 50.000		Recovery =	36.89%
Target Compounds			
1) T n-Nonane (C9)	3.279	3216983	19.177 ug/ml
2) T n-Decane (C10)	4.531	3346261	19.643 ug/ml
3) T A~Naphthalene (C11.7)	6.233	3553678	19.197 ug/ml
4) T n-Dodecane (C12)	6.697	3351285	19.414 ug/ml
5) T A~2-methylnaphthalene...	7.330	3405980	18.881 ug/ml
6) T n-Tetradecane (C14)	8.525	3291975	19.198 ug/ml
7) T n-Hexadecane (C16)	10.137	3312755	18.944 ug/ml
8) T n-Octadecane (C18)	11.584	3270243	18.750 ug/ml
10) T n-Eicosane (C20)	12.896	3105707	18.594 ug/ml
11) T n-Heneicosane (C21)	13.509	3026247	18.565 ug/ml
13) T n-Docosane (C22)	14.097	2981488	18.640 ug/ml
14) T n-Tetracosane (C24)	15.203	2940739	18.949 ug/ml
15) T n-Hexacosane (C26)	16.227	2894961	19.282 ug/ml
16) T n-Octacosane (C28)	17.180	2928593	19.944 ug/ml
17) T n-Tricontane (C30)	18.070	3115526	20.948 ug/ml
18) T n-Dotriacontane (C32)	18.905	3226396	21.496 ug/mlm
19) T n-Tetratriacontane (C34)	19.691	3167828	21.280 ug/mlm
20) T n-Hexatriacontane (C36)	20.434	3286608	21.378 ug/mlm
21) T n-Octatriacontane (C38)	21.178	3251458	20.815 ug/ml
22) T n-Tetracontane (C40)	22.100	3540377	21.184 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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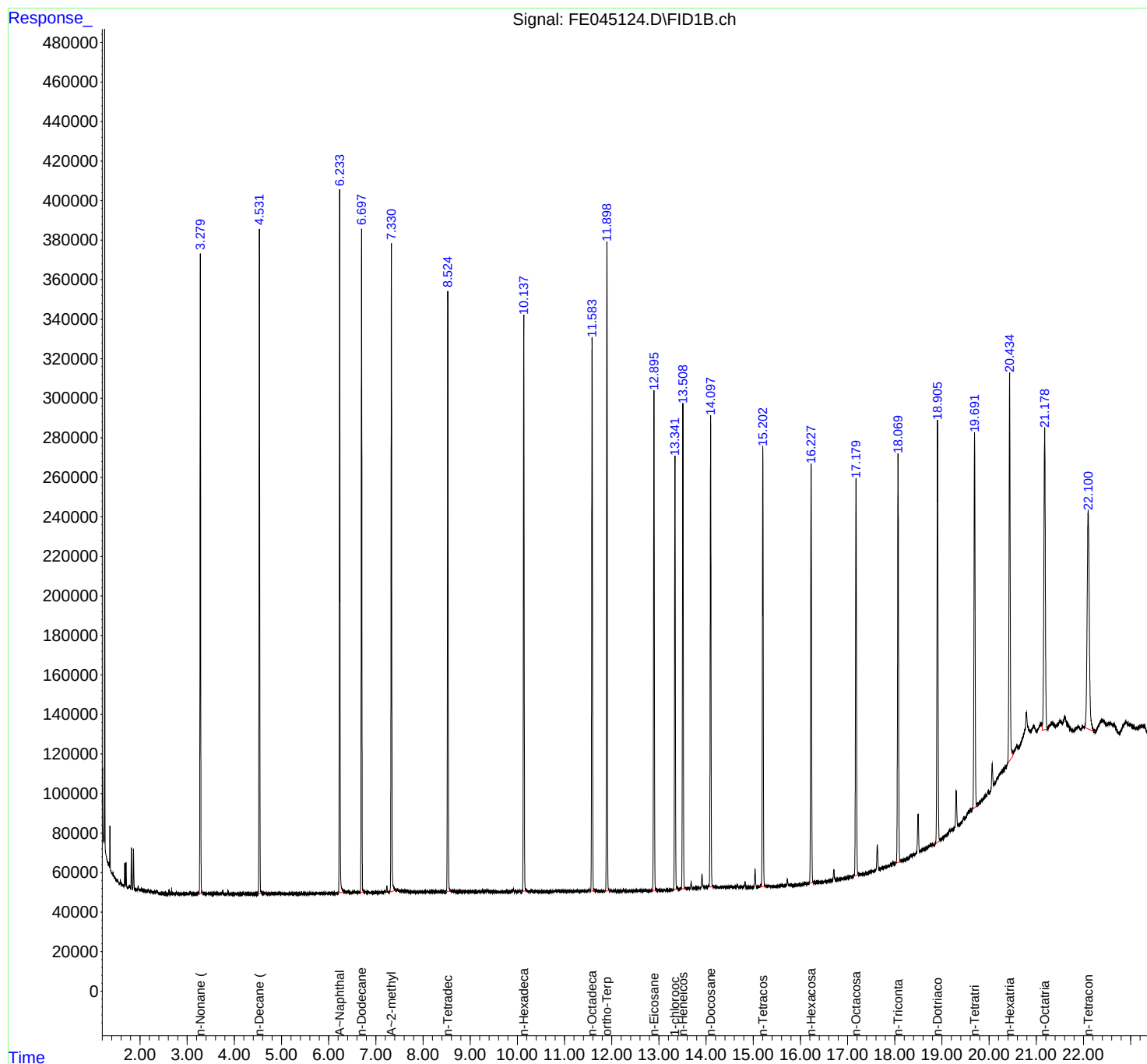
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20 PPM ALIPHATIC HC STD

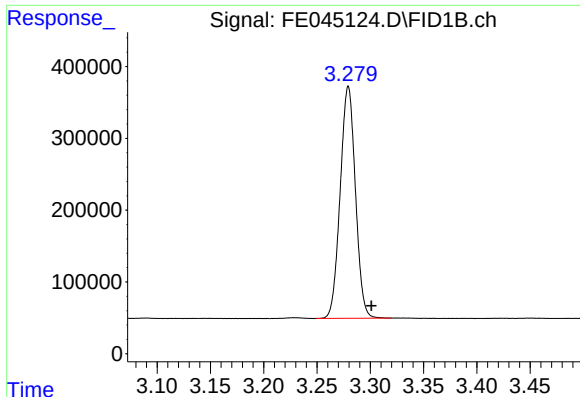
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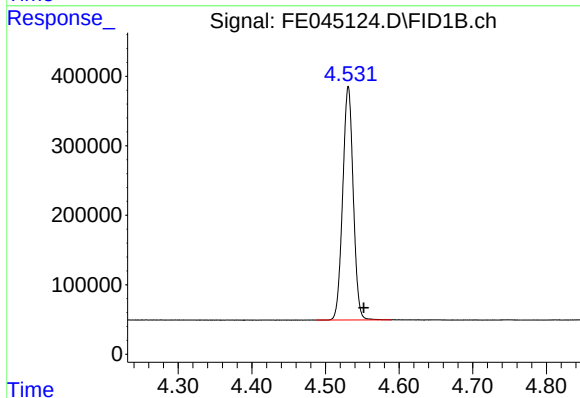
#1 n-Nonane (C9)

R.T.: 3.279 min
Delta R.T.: -0.022 min
Response: 3216983
Conc: 19.18 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

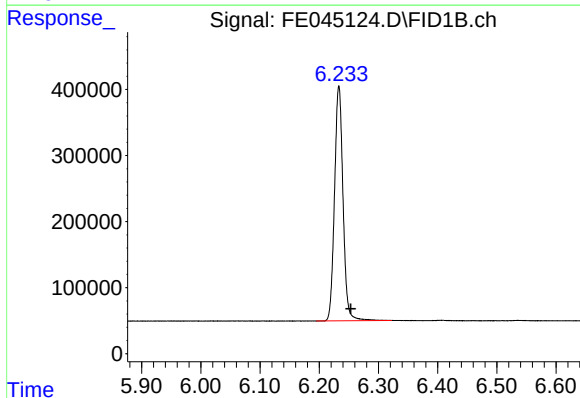
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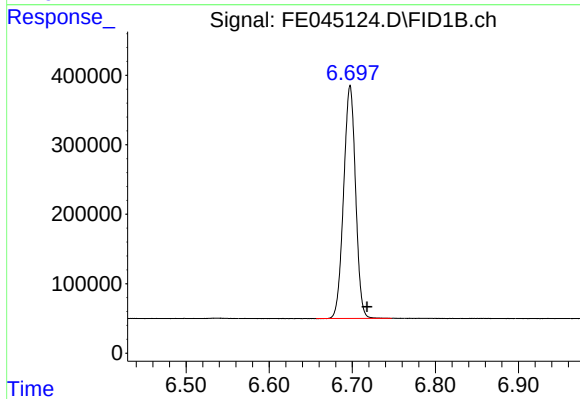
#2 n-Decane (C10)

R.T.: 4.531 min
Delta R.T.: -0.021 min
Response: 3346261
Conc: 19.64 ug/ml



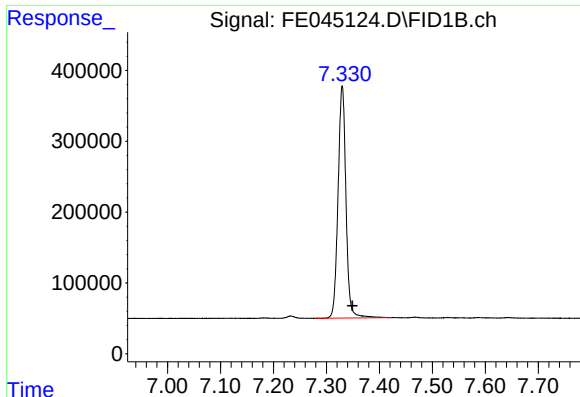
#3 A~Naphthalene (C11.7)

R.T.: 6.233 min
Delta R.T.: -0.020 min
Response: 3553678
Conc: 19.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.697 min
Delta R.T.: -0.020 min
Response: 3351285
Conc: 19.41 ug/ml



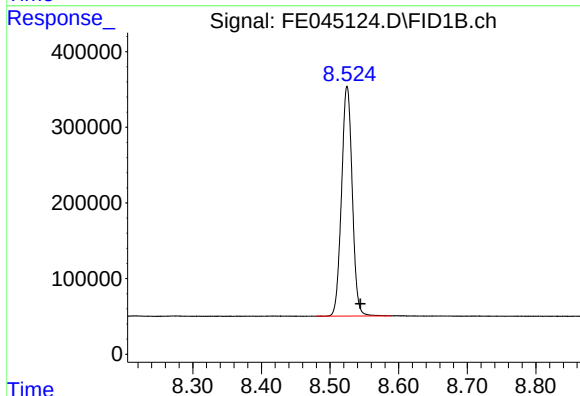
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.019 min
Response: 3405980
Conc: 18.88 ug/ml

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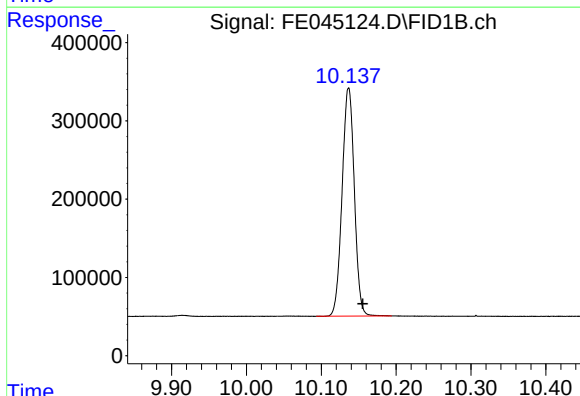
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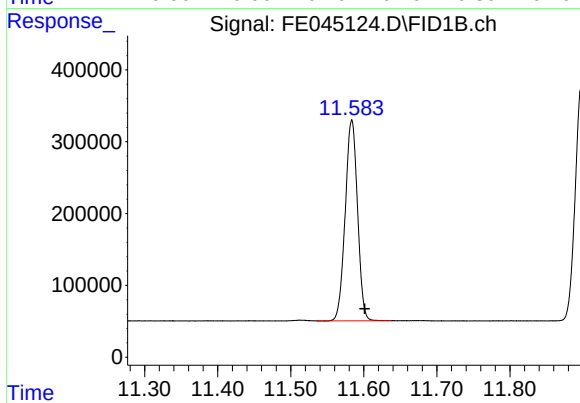
#6 n-Tetradecane (C14)

R.T.: 8.525 min
Delta R.T.: -0.019 min
Response: 3291975
Conc: 19.20 ug/ml



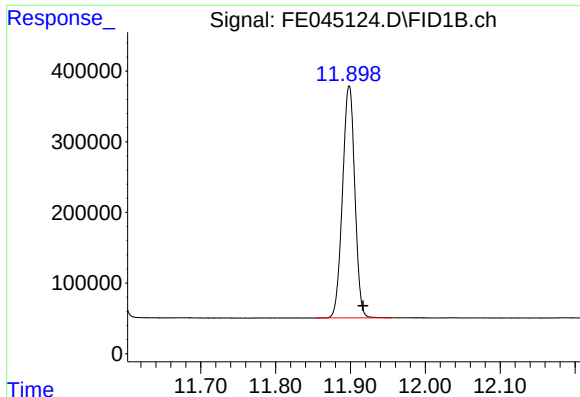
#7 n-Hexadecane (C16)

R.T.: 10.137 min
Delta R.T.: -0.019 min
Response: 3312755
Conc: 18.94 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.584 min
Delta R.T.: -0.018 min
Response: 3270243
Conc: 18.75 ug/ml



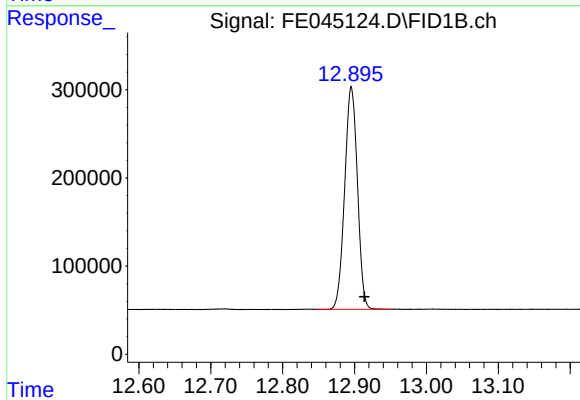
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: -0.019 min
Response: 3755894
Conc: 18.74 ug/ml

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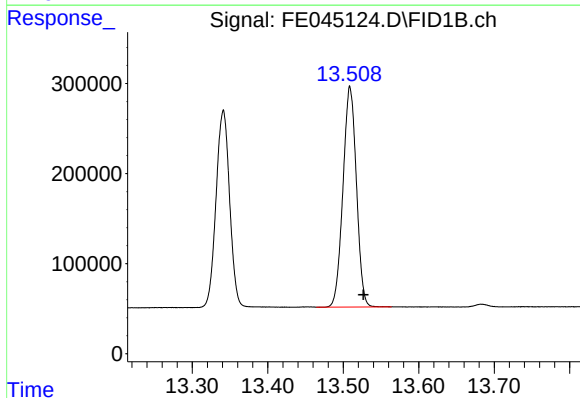
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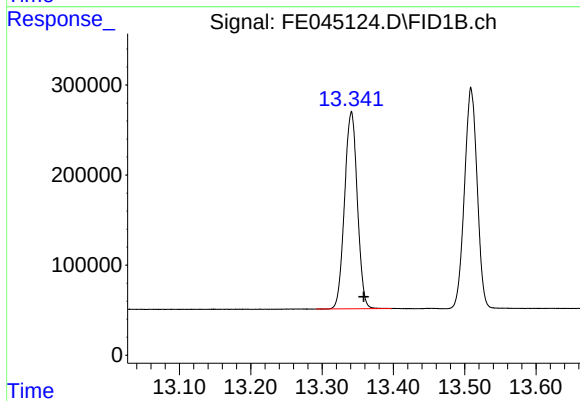
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: -0.018 min
Response: 3105707
Conc: 18.59 ug/ml



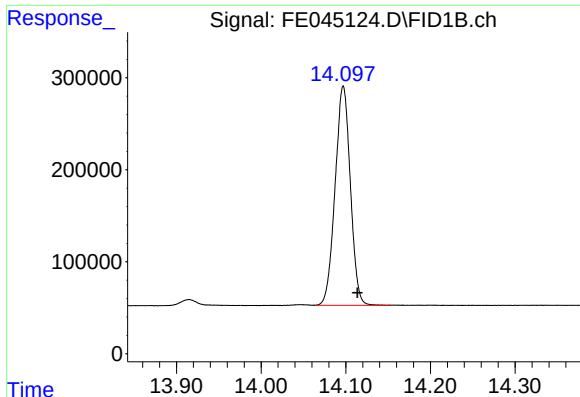
#11 n-Heneicosane (C21)

R.T.: 13.509 min
Delta R.T.: -0.018 min
Response: 3026247
Conc: 18.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.341 min
Delta R.T.: -0.017 min
Response: 2729417
Conc: 18.44 ug/ml



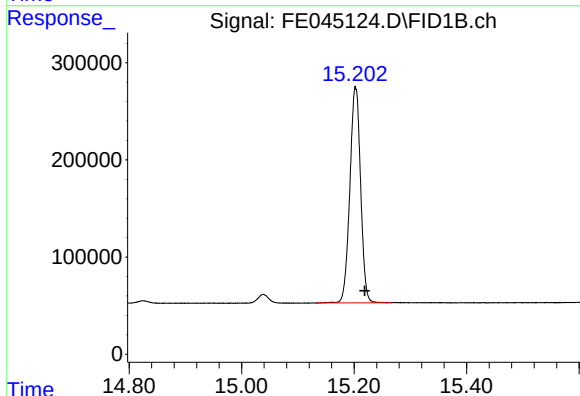
#13 n-Docosane (C22)

R.T.: 14.097 min
Delta R.T.: -0.017 min
Response: 2981488
Conc: 18.64 ug/ml

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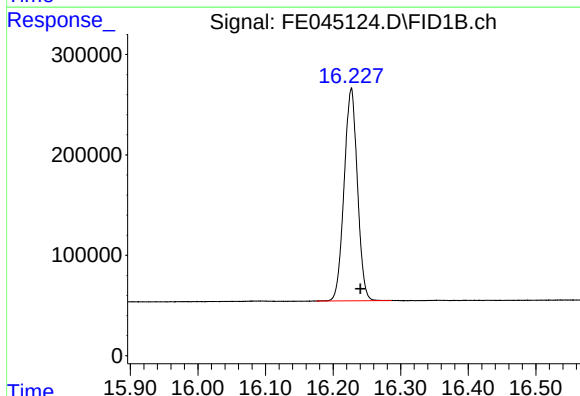
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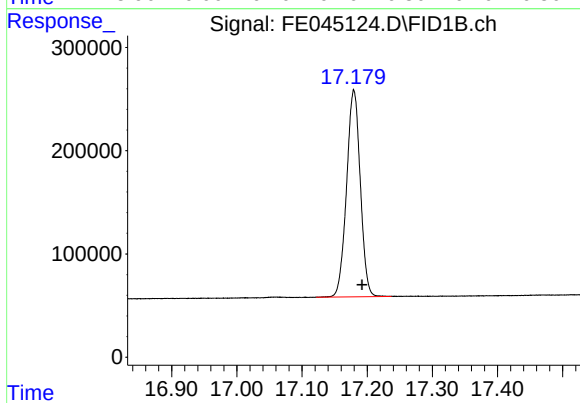
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: -0.016 min
Response: 2940739
Conc: 18.95 ug/ml



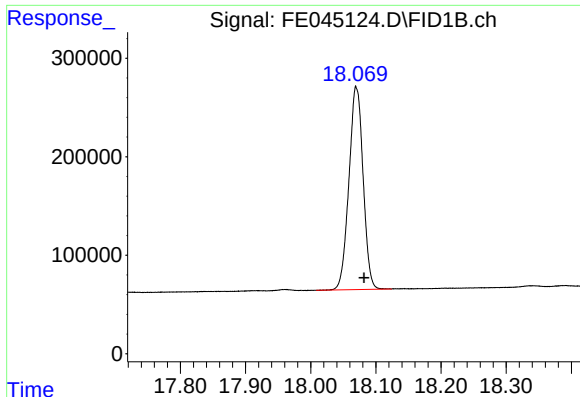
#15 n-Hexacosane (C26)

R.T.: 16.227 min
Delta R.T.: -0.014 min
Response: 2894961
Conc: 19.28 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.180 min
Delta R.T.: -0.013 min
Response: 2928593
Conc: 19.94 ug/ml



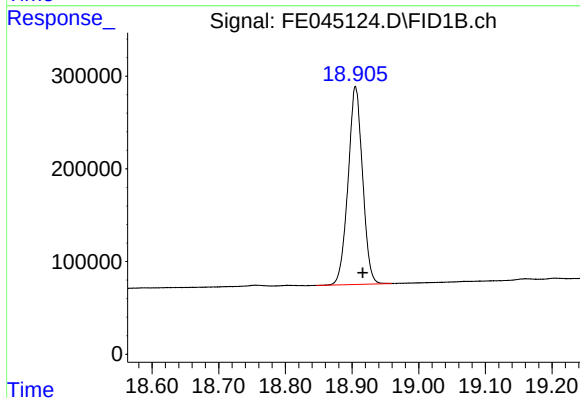
#17 n-Tricontane (C30)

R.T.: 18.070 min
Delta R.T.: -0.012 min
Response: 3115526
Conc: 20.95 ug/ml

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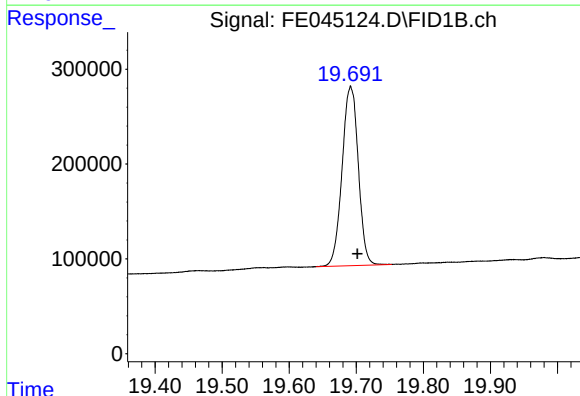
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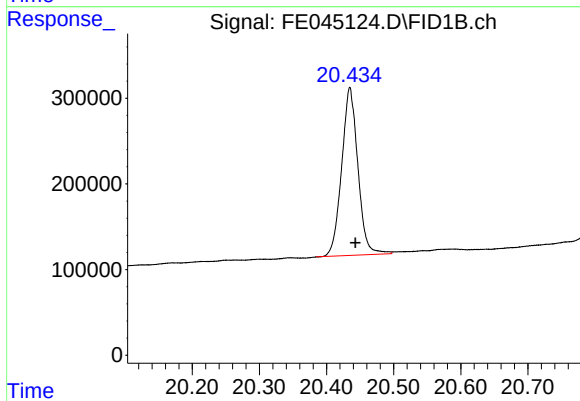
#18 n-Dotriacontane (C32)

R.T.: 18.905 min
Delta R.T.: -0.011 min
Response: 3226396
Conc: 21.50 ug/ml m



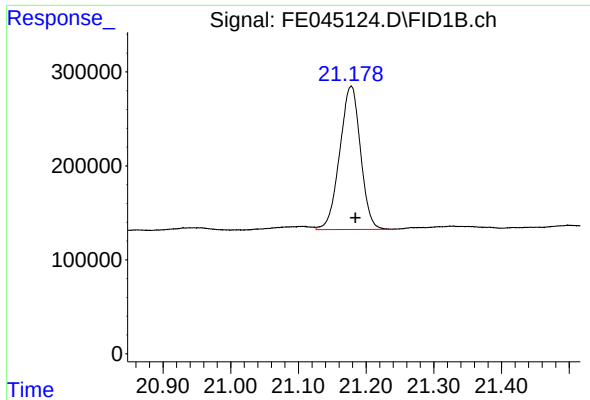
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: -0.010 min
Response: 3167828
Conc: 21.28 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.434 min
Delta R.T.: -0.008 min
Response: 3286608
Conc: 21.38 ug/ml m



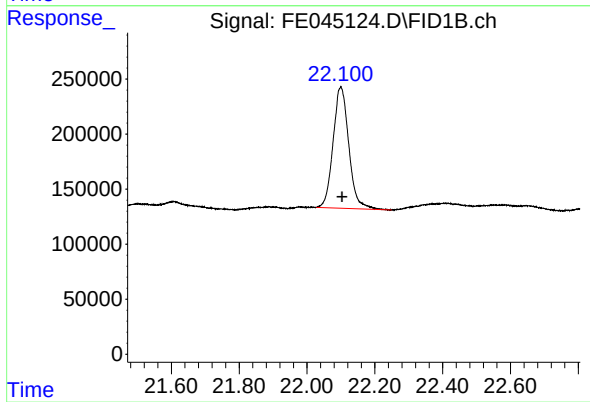
#21 n-Octatriacontane (C38)

R.T.: 21.178 min
Delta R.T.: -0.006 min
Response: 3251458
Conc: 20.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.100 min
Delta R.T.: -0.003 min
Response: 3540377
Conc: 21.18 ug/ml