

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103023AL\
 Data File : FE045085.D
 Signal(s) : FID1B.ch
 Acq On : 30 Oct 2023 09:12
 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 10/30/2023
 Supervised By :mohammad ahmed 10/31/2023

Integration File: autoint1.e
 Quant Time: Oct 30 10:56:13 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	3497763	17.448 ug/ml
Spiked Amount 50.000		Recovery =	34.90%
12) S 1-chlorooctadecane (S...	13.341	2462576	16.641 ug/ml
Spiked Amount 50.000		Recovery =	33.28%
Target Compounds			
1) T n-Nonane (C9)	3.281	3116355	18.577 ug/ml
2) T n-Decane (C10)	4.532	3155858	18.526 ug/ml
3) T A~Naphthalene (C11.7)	6.234	3326531	17.970 ug/ml
4) T n-Dodecane (C12)	6.699	3158279	18.296 ug/ml
5) T A~2-methylnaphthalene...	7.330	3172379	17.586 ug/ml
6) T n-Tetradecane (C14)	8.526	3080636	17.965 ug/ml
7) T n-Hexadecane (C16)	10.137	3072943	17.573 ug/ml
8) T n-Octadecane (C18)	11.584	3032084	17.384 ug/ml
10) T n-Eicosane (C20)	12.896	2866021	17.159 ug/ml
11) T n-Heneicosane (C21)	13.508	2793059	17.134 ug/ml
13) T n-Docosane (C22)	14.097	2738495	17.121 ug/ml
14) T n-Tetracosane (C24)	15.202	2666053	17.179 ug/ml
15) T n-Hexacosane (C26)	16.226	2604850	17.350 ug/ml
16) T n-Octacosane (C28)	17.178	2566560	17.478 ug/ml
17) T n-Tricontane (C30)	18.068	2603260	17.503 ug/ml
18) T n-Dotriacontane (C32)	18.903	2641554	17.599 ug/ml
19) T n-Tetratriacontane (C34)	19.691	2613891	17.559 ug/mlm
20) T n-Hexatriacontane (C36)	20.433	2836812	18.452 ug/mlm
21) T n-Octatriacontane (C38)	21.176	3144624	20.131 ug/ml
22) T n-Tetracontane (C40)	22.095	2969943	17.771 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

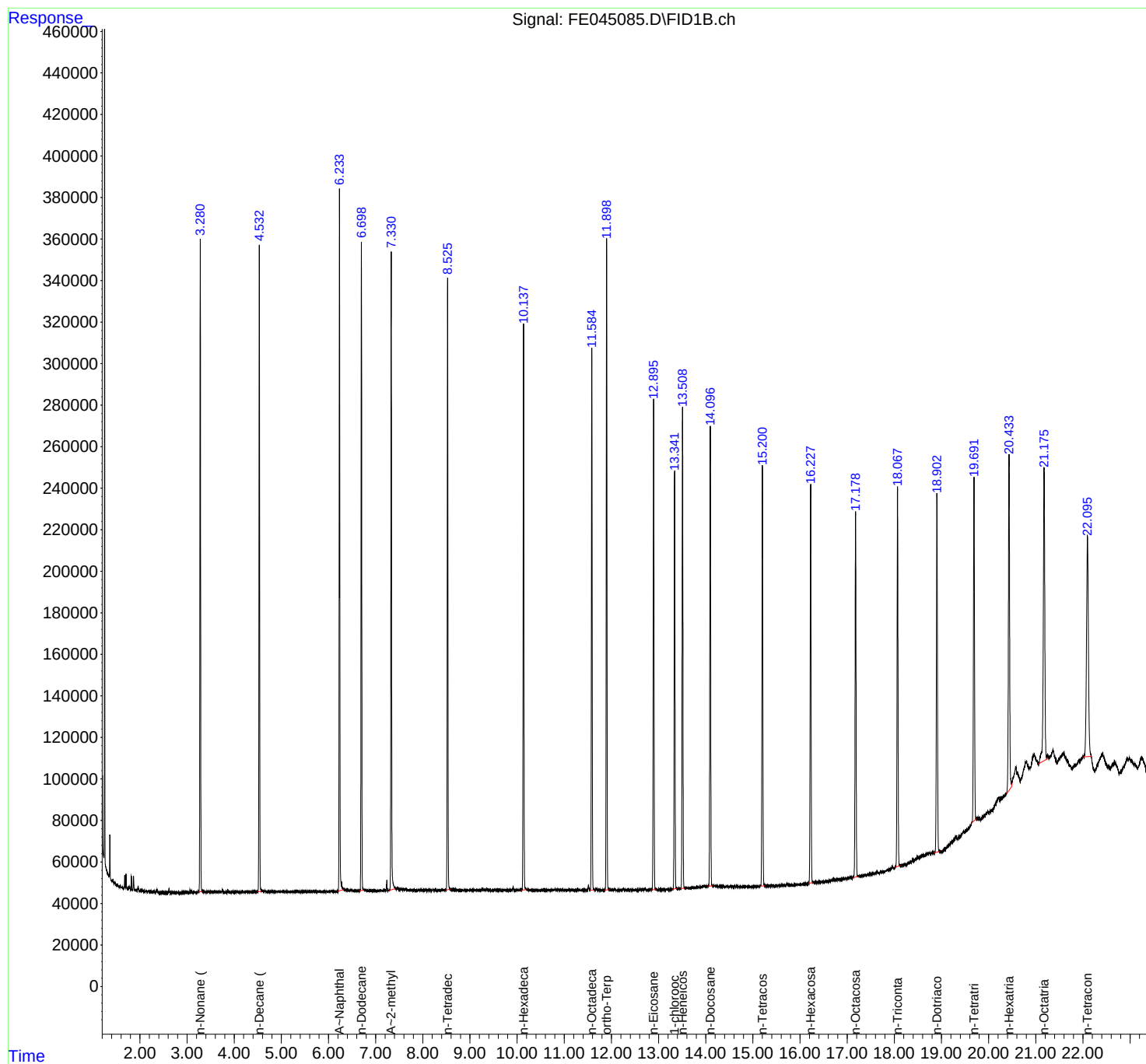
Instrument :
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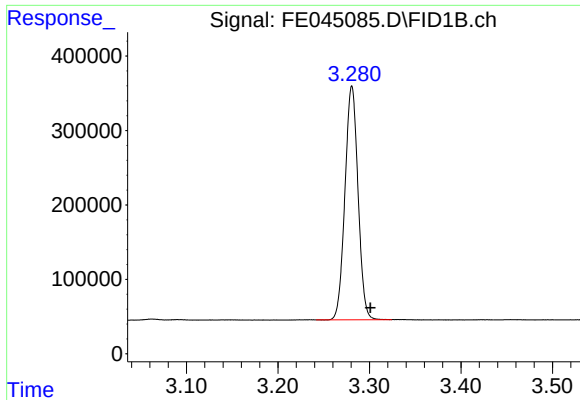
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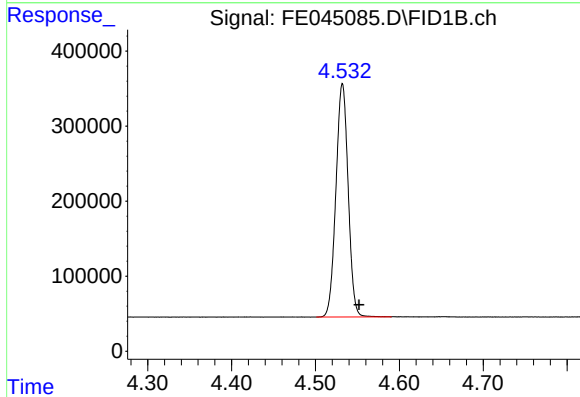
#1 n-Nonane (C9)

R.T.: 3.281 min
Delta R.T.: -0.020 min
Response: 3116355
Conc: 18.58 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

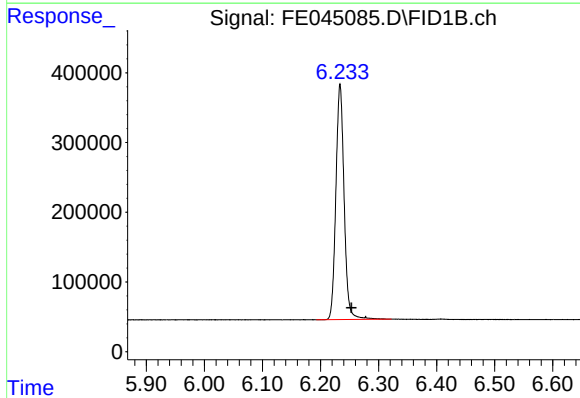
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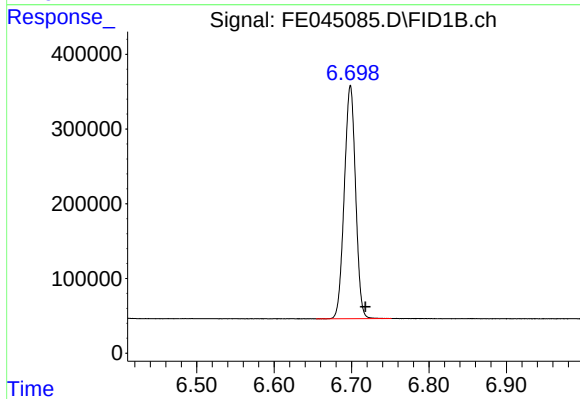
#2 n-Decane (C10)

R.T.: 4.532 min
Delta R.T.: -0.020 min
Response: 3155858
Conc: 18.53 ug/ml



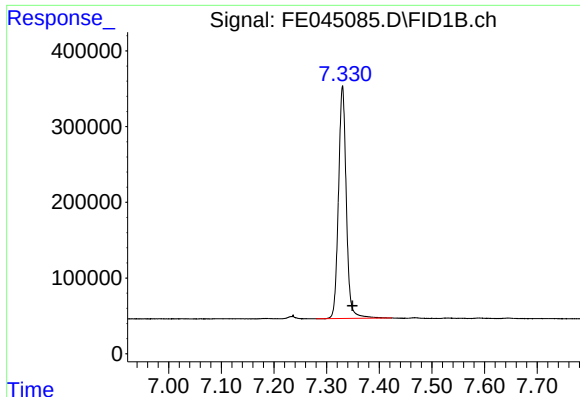
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min
Delta R.T.: -0.019 min
Response: 3326531
Conc: 17.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.699 min
Delta R.T.: -0.019 min
Response: 3158279
Conc: 18.30 ug/ml



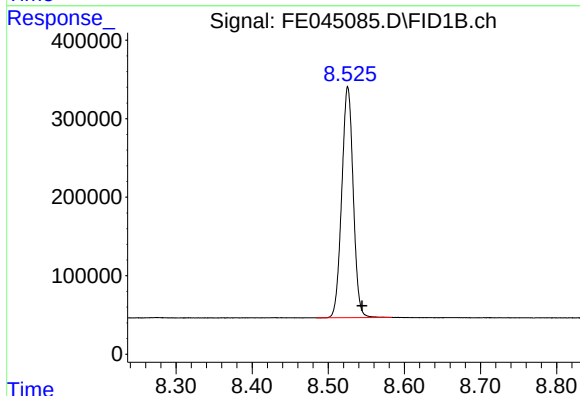
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.330 min
Delta R.T.: -0.019 min
Response: 3172379
Conc: 17.59 ug/ml

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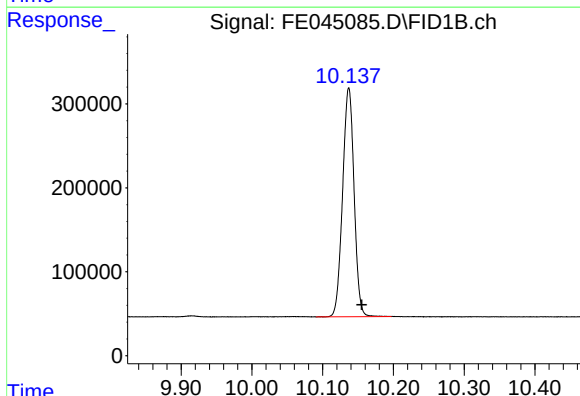
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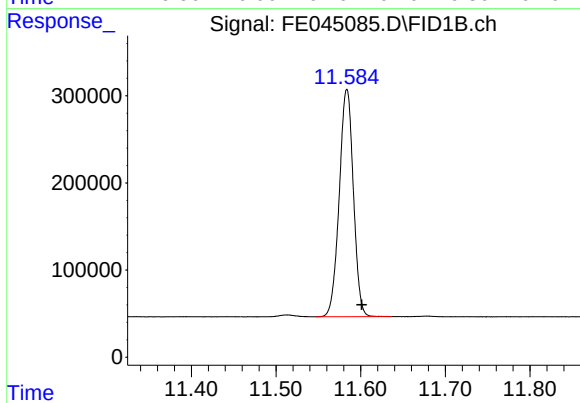
#6 n-Tetradecane (C14)

R.T.: 8.526 min
Delta R.T.: -0.019 min
Response: 3080636
Conc: 17.97 ug/ml



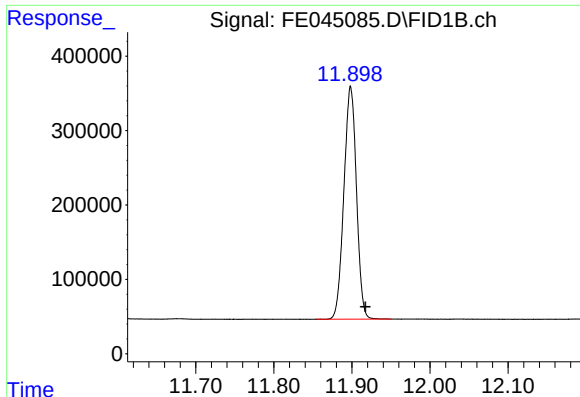
#7 n-Hexadecane (C16)

R.T.: 10.137 min
Delta R.T.: -0.018 min
Response: 3072943
Conc: 17.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.584 min
Delta R.T.: -0.017 min
Response: 3032084
Conc: 17.38 ug/ml



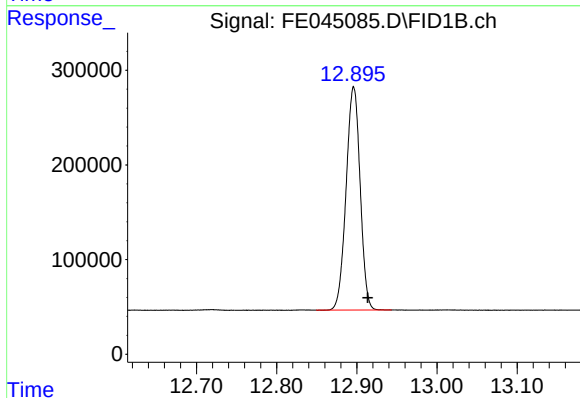
#9 ortho-Terphenyl (SURR)

R.T.: 11.898 min
Delta R.T.: -0.019 min
Response: 3497763
Conc: 17.45 ug/ml

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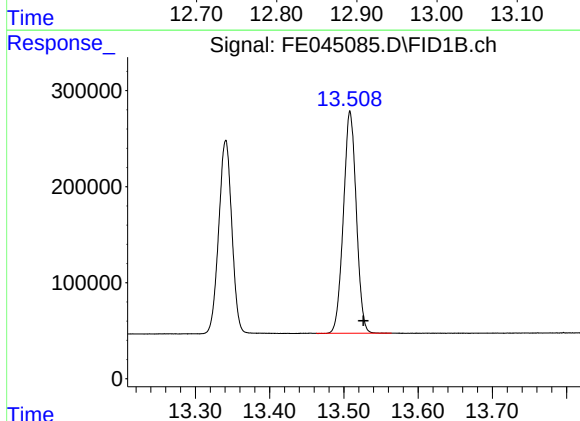
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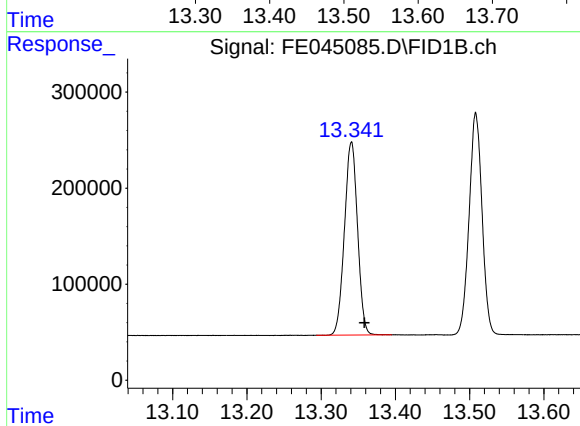
#10 n-Eicosane (C20)

R.T.: 12.896 min
Delta R.T.: -0.017 min
Response: 2866021
Conc: 17.16 ug/ml



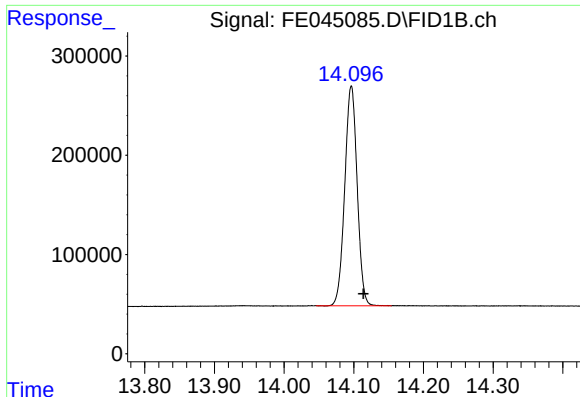
#11 n-Heneicosane (C21)

R.T.: 13.508 min
Delta R.T.: -0.018 min
Response: 2793059
Conc: 17.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.341 min
Delta R.T.: -0.017 min
Response: 2462576
Conc: 16.64 ug/ml



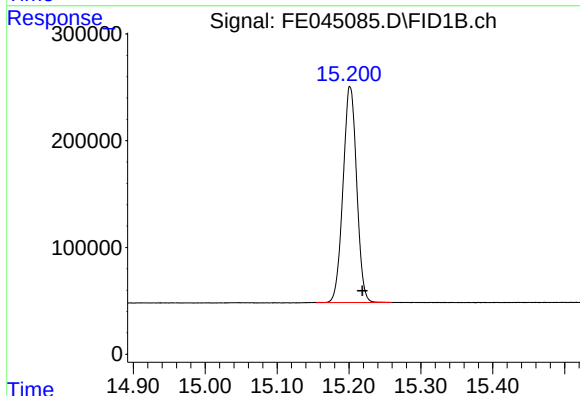
#13 n-Docosane (C22)

R.T.: 14.097 min
Delta R.T.: -0.017 min
Response: 2738495
Conc: 17.12 ug/ml

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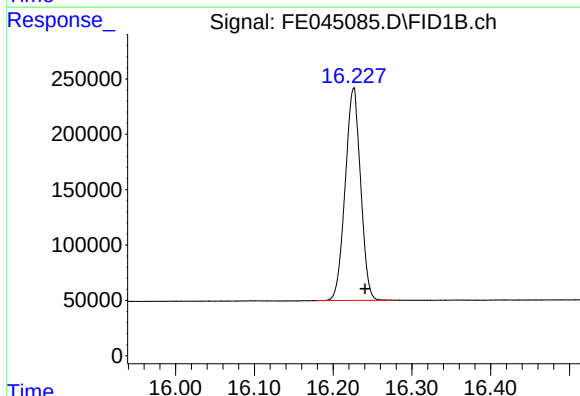
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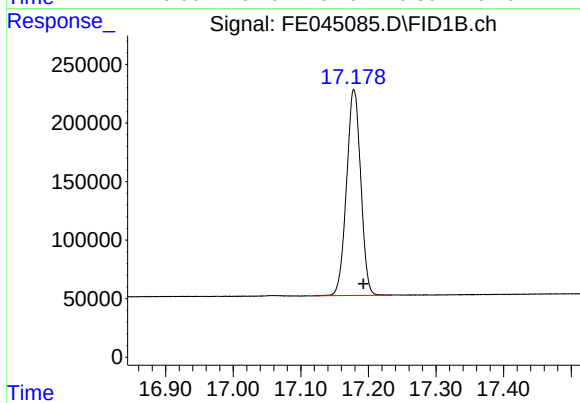
#14 n-Tetracosane (C24)

R.T.: 15.202 min
Delta R.T.: -0.017 min
Response: 2666053
Conc: 17.18 ug/ml



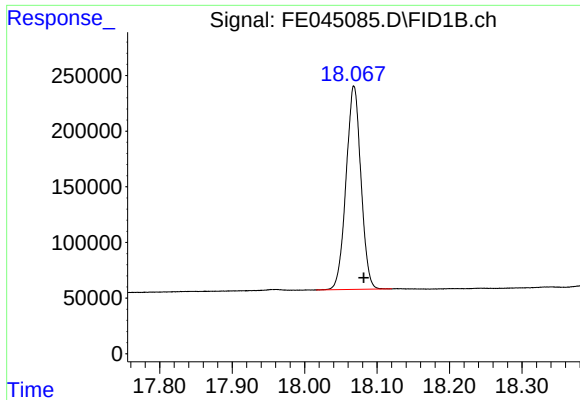
#15 n-Hexacosane (C26)

R.T.: 16.226 min
Delta R.T.: -0.015 min
Response: 2604850
Conc: 17.35 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.178 min
Delta R.T.: -0.014 min
Response: 2566560
Conc: 17.48 ug/ml



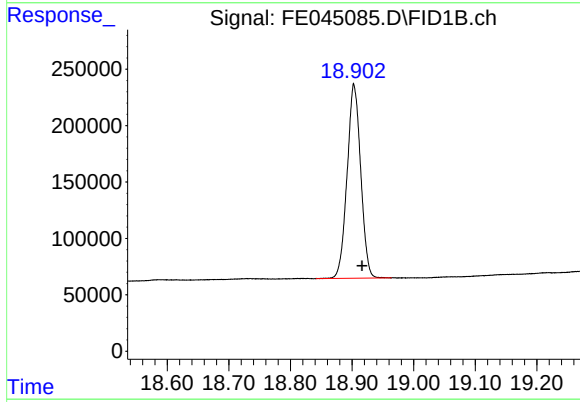
#17 n-Tricontane (C30)

R.T.: 18.068 min
Delta R.T.: -0.014 min
Response: 2603260
Conc: 17.50 ug/ml

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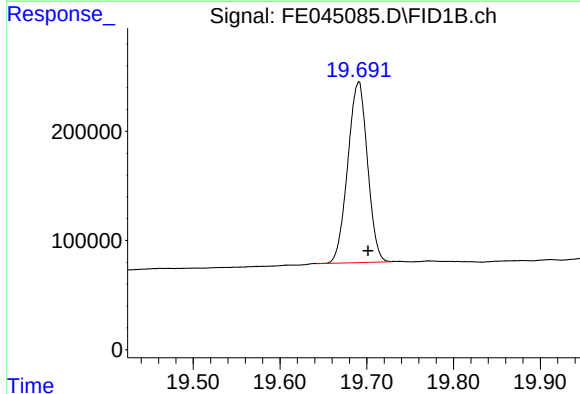
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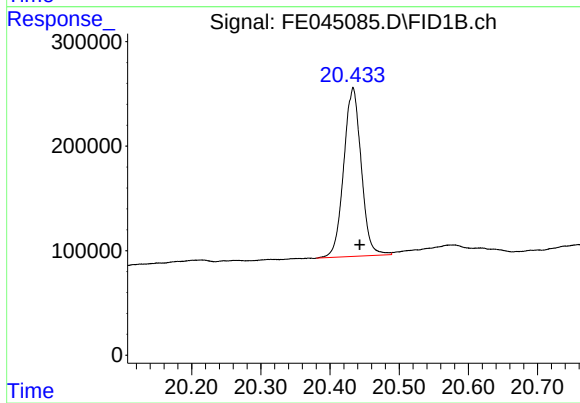
#18 n-Dotriacontane (C32)

R.T.: 18.903 min
Delta R.T.: -0.013 min
Response: 2641554
Conc: 17.60 ug/ml



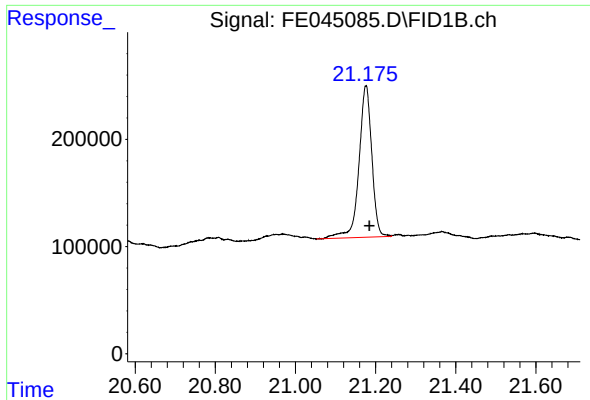
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: -0.010 min
Response: 2613891
Conc: 17.56 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.433 min
Delta R.T.: -0.010 min
Response: 2836812
Conc: 18.45 ug/ml m



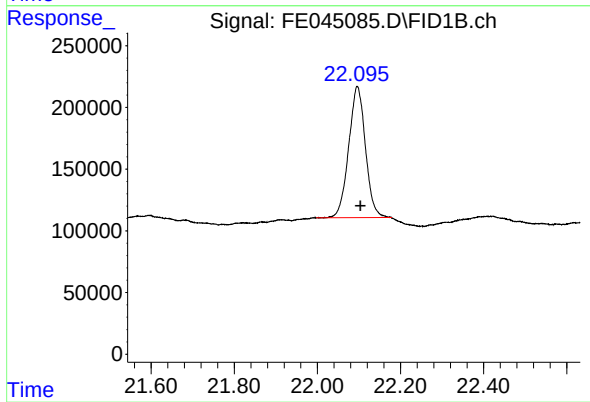
#21 n-Octatriacontane (C38)

R.T.: 21.176 min
Delta R.T.: -0.008 min
Response: 3144624
Conc: 20.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.095 min
Delta R.T.: -0.009 min
Response: 2969943
Conc: 17.77 ug/ml m