

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121422AL\
 Data File : FE039316.D
 Signal(s) : FID1B.ch
 Acq On : 14 Dec 2022 23:21
 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 12/15/2022
 Supervised By :Ankita Jodhani 12/15/2022

Integration File: autoint1.e
 Quant Time: Dec 15 02:35:44 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 2022
 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)	11.940	3226082	20.622 ug/ml
Spiked Amount 50.000		Recovery =	41.24%
12) S 1-chlorooctadecane (S...	13.375	2491942	20.639 ug/ml
Spiked Amount 50.000		Recovery =	41.28%
Target Compounds			
1) T n-Nonane (C9)	3.333	2743813	19.357 ug/ml
2) T n-Decane (C10)	4.583	2701738	19.384 ug/ml
3) T A~Naphthalene (C11.7)	6.286	3122801	19.634 ug/ml
4) T n-Dodecane (C12)	6.747	2769110	19.645 ug/ml
5) T A~2-methylnaphthalene...	7.381	2949472	19.707 ug/ml
6) T n-Tetradecane (C14)	8.573	2842491	19.902 ug/ml
7) T n-Hexadecane (C16)	10.179	2955018	20.211 ug/ml
8) T n-Octadecane (C18)	11.622	3009789	20.454 ug/ml
10) T n-Eicosane (C20)	12.930	2927999	20.625 ug/ml
11) T n-Heneicosane (C21)	13.543	2935707	20.660 ug/mlm
13) T n-Docosane (C22)	14.128	2902632	20.765 ug/ml
14) T n-Tetracosane (C24)	15.230	2888280	20.914 ug/ml
15) T n-Hexacosane (C26)	16.251	2779334	20.693 ug/ml
16) T n-Octacosane (C28)	17.201	2746082	20.679 ug/ml
17) T n-Tricontane (C30)	18.090	2742002	20.763 ug/ml
18) T n-Dotriacontane (C32)	18.922	2762242	20.712 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2697450	20.385 ug/ml
20) T n-Hexatriacontane (C36)	20.447	2609510	20.312 ug/ml
21) T n-Octatriacontane (C38)	21.184	2807308	21.424 ug/ml
22) T n-Tetracontane (C40)	22.104	2629244	19.309 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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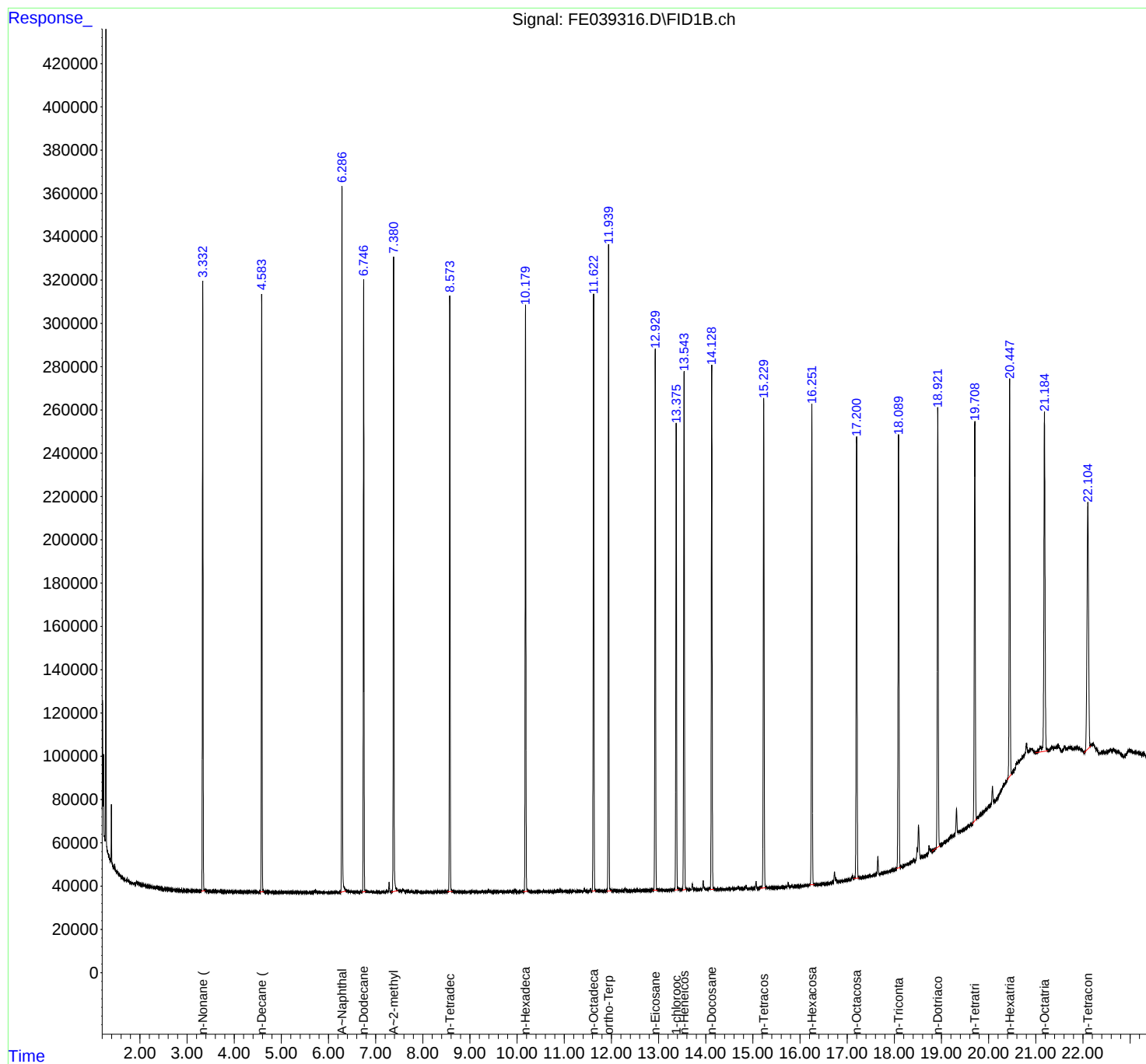
Instrument :
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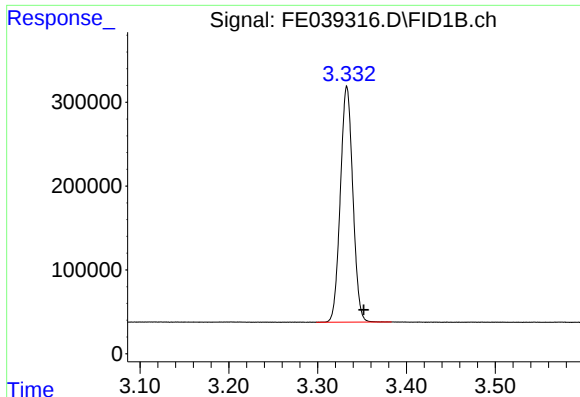
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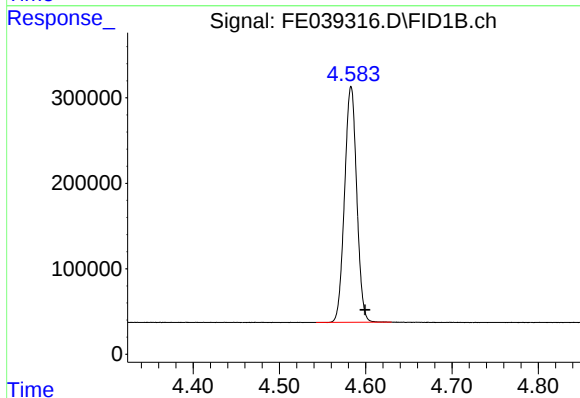
#1 n-Nonane (C9)

R.T.: 3.333 min
Delta R.T.: -0.019 min
Response: 2743813
Conc: 19.36 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

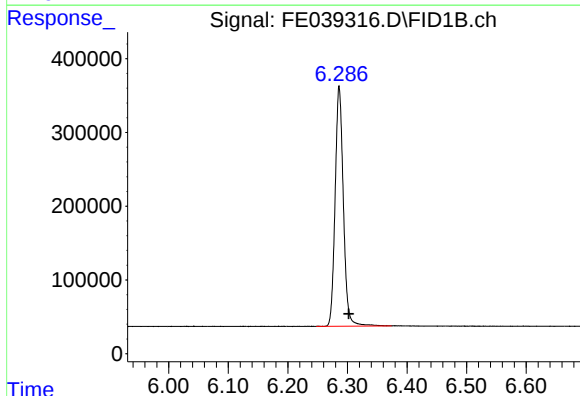
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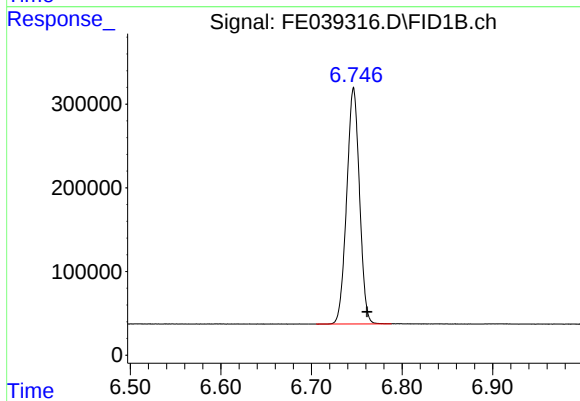
#2 n-Decane (C10)

R.T.: 4.583 min
Delta R.T.: -0.016 min
Response: 2701738
Conc: 19.38 ug/ml



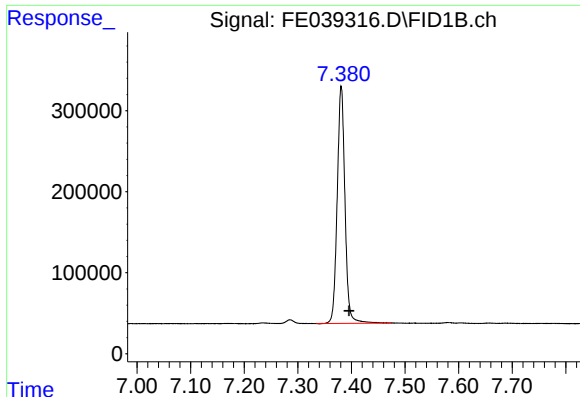
#3 A~Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: -0.016 min
Response: 3122801
Conc: 19.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.747 min
Delta R.T.: -0.015 min
Response: 2769110
Conc: 19.64 ug/ml



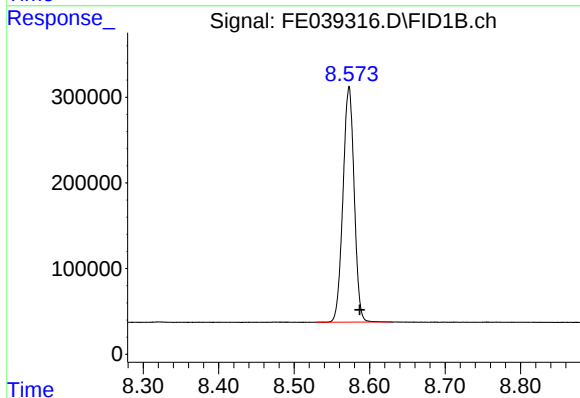
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.381 min
Delta R.T.: -0.015 min
Response: 2949472
Conc: 19.71 ug/ml

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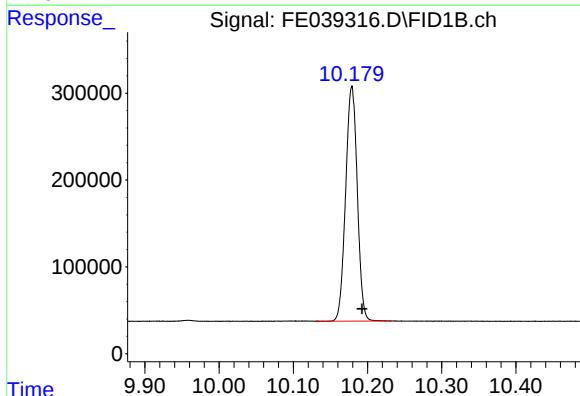
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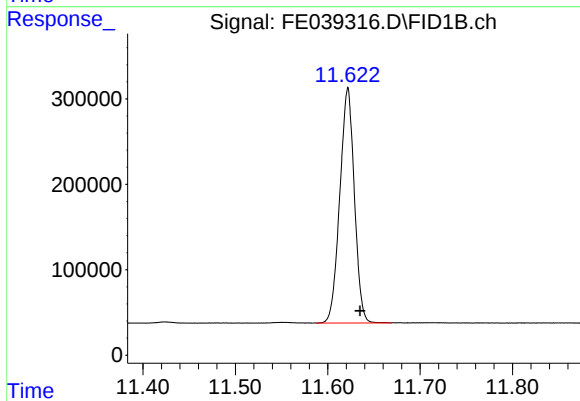
#6 n-Tetradecane (C14)

R.T.: 8.573 min
Delta R.T.: -0.014 min
Response: 2842491
Conc: 19.90 ug/ml



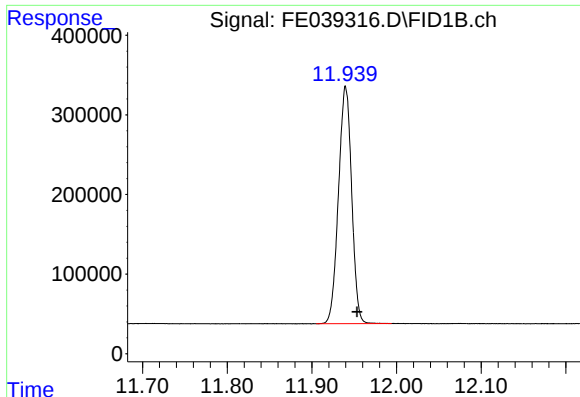
#7 n-Hexadecane (C16)

R.T.: 10.179 min
Delta R.T.: -0.014 min
Response: 2955018
Conc: 20.21 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.622 min
Delta R.T.: -0.013 min
Response: 3009789
Conc: 20.45 ug/ml



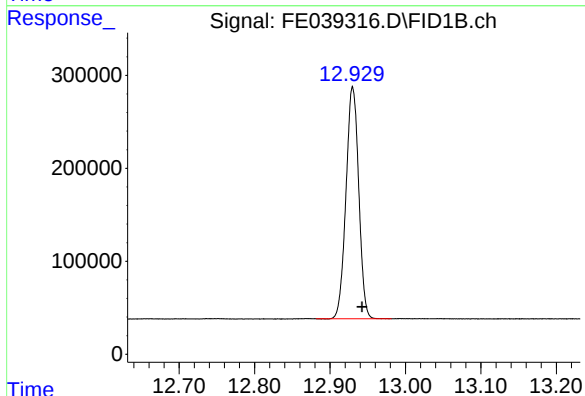
#9 ortho-Terphenyl (SURR)

R.T.: 11.940 min
Delta R.T.: -0.013 min
Response: 3226082
Conc: 20.62 ug/ml

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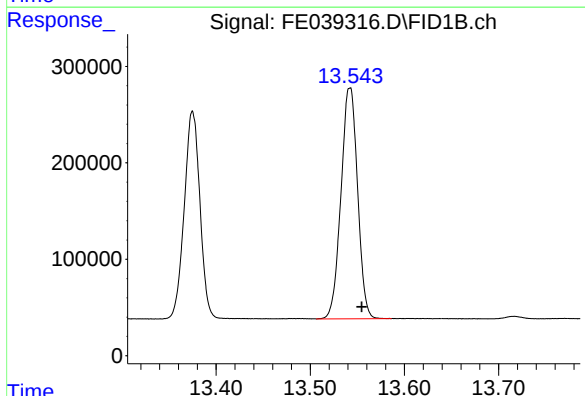
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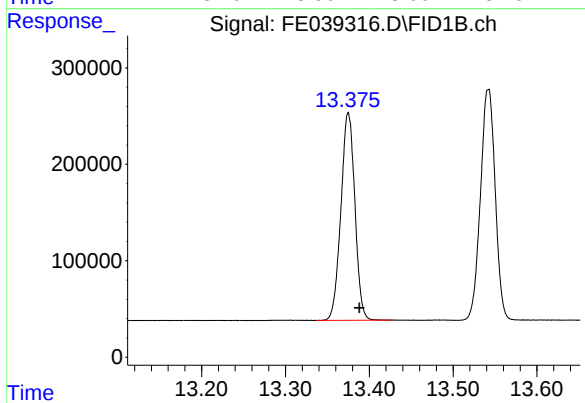
#10 n-Eicosane (C20)

R.T.: 12.930 min
Delta R.T.: -0.013 min
Response: 2927999
Conc: 20.63 ug/ml



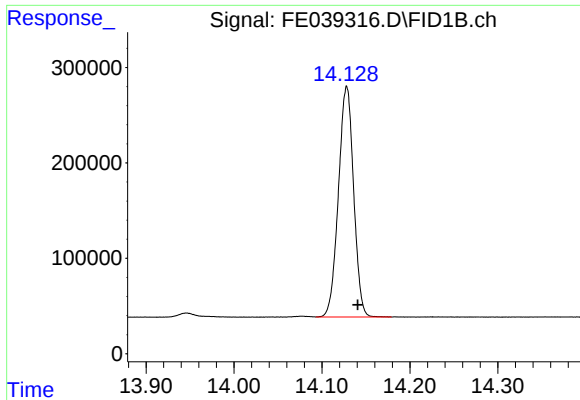
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.012 min
Response: 2935707
Conc: 20.66 ug/ml m



#12 1-chlorooctadecane (SURR)

R.T.: 13.375 min
Delta R.T.: -0.013 min
Response: 2491942
Conc: 20.64 ug/ml



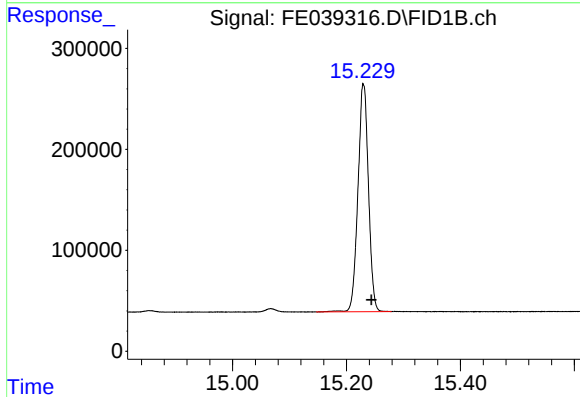
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: -0.013 min
Response: 2902632
Conc: 20.76 ug/ml

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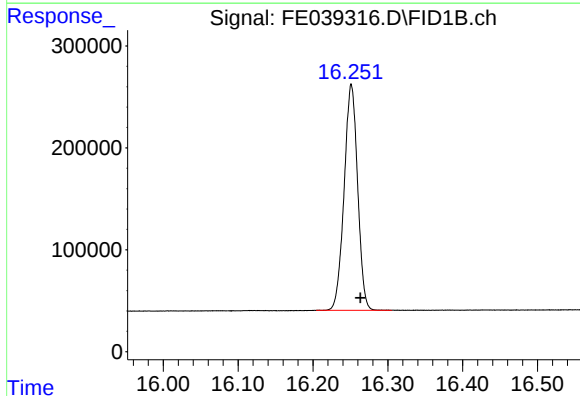
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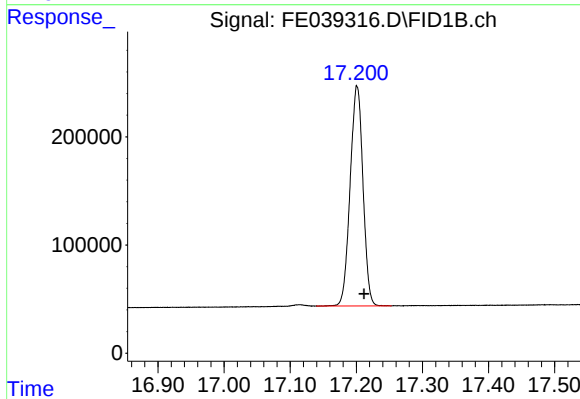
#14 n-Tetracosane (C24)

R.T.: 15.230 min
Delta R.T.: -0.014 min
Response: 2888280
Conc: 20.91 ug/ml



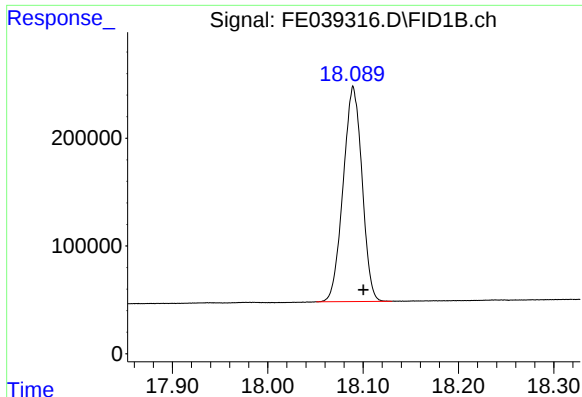
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.012 min
Response: 2779334
Conc: 20.69 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: -0.011 min
Response: 2746082
Conc: 20.68 ug/ml



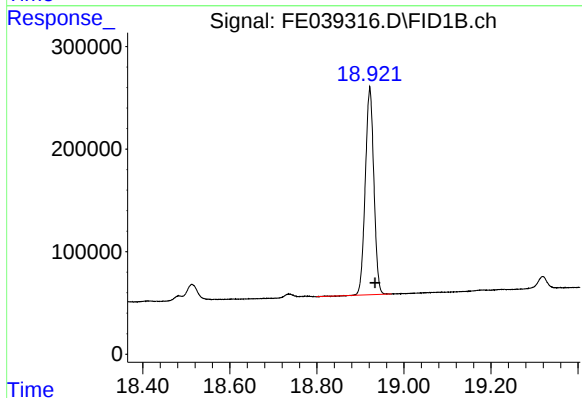
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.011 min
Response: 2742002
Conc: 20.76 ug/ml

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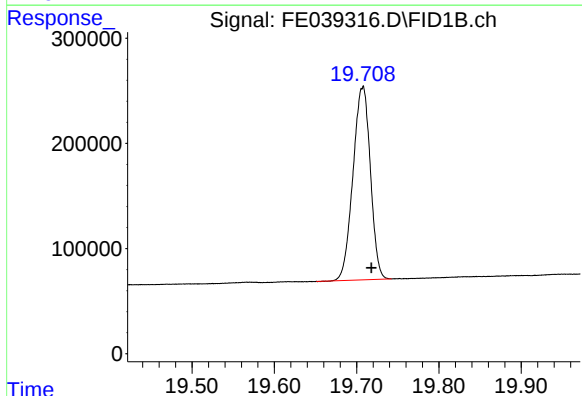
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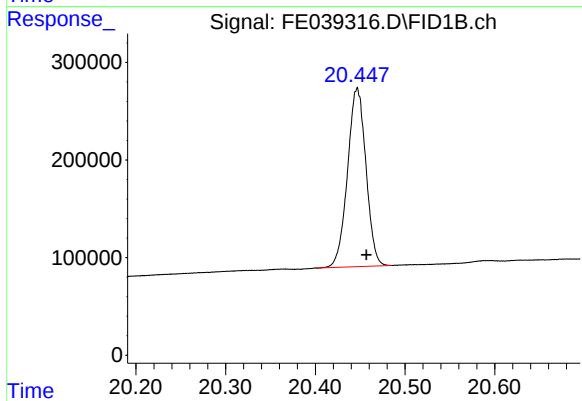
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.012 min
Response: 2762242
Conc: 20.71 ug/ml



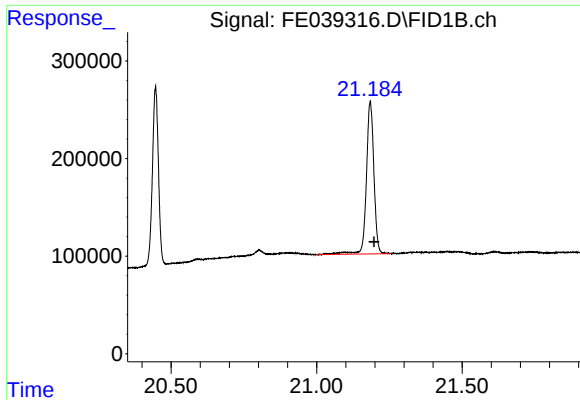
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.010 min
Response: 2697450
Conc: 20.39 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: -0.010 min
Response: 2609510
Conc: 20.31 ug/ml



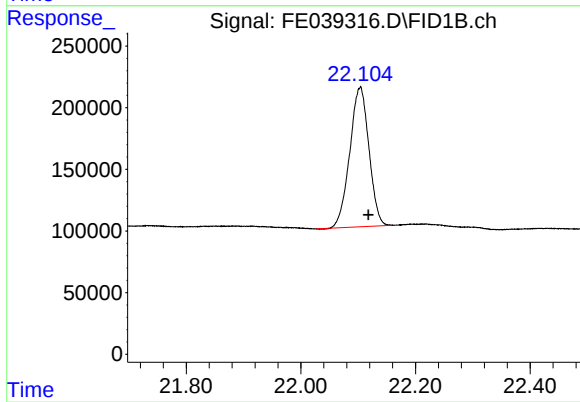
#21 n-Octatriacontane (C38)

R.T.: 21.184 min
Delta R.T.: -0.013 min
Response: 2807308
Conc: 21.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: -0.014 min
Response: 2629244
Conc: 19.31 ug/ml