

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061523AL\
 Data File : FE042627.D
 Signal(s) : FID1B.ch
 Acq On : 15 Jun 2023 14:07
 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 06/16/2023
 Supervised By :Ankita Jodhani 06/16/2023

Integration File: autoint1.e
 Quant Time: Jun 16 00:32:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 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)	11.938	3352981	18.989 ug/ml
Spiked Amount 50.000		Recovery =	37.98%
12) S 1-chlorooctadecane (S...	13.374	2486200	18.710 ug/ml
Spiked Amount 50.000		Recovery =	37.42%
Target Compounds			
1) T n-Nonane (C9)	3.317	2797228	19.399 ug/ml
2) T n-Decane (C10)	4.569	2896520	19.566 ug/ml
3) T A~Naphthalene (C11.7)	6.278	3118290	19.112 ug/ml
4) T n-Dodecane (C12)	6.738	2929477	19.536 ug/ml
5) T A~2-methylnaphthalene...	7.375	2983084	18.797 ug/ml
6) T n-Tetradecane (C14)	8.568	2914983	19.458 ug/ml
7) T n-Hexadecane (C16)	10.175	3028786	19.444 ug/ml
8) T n-Octadecane (C18)	11.619	3057933	19.338 ug/ml
10) T n-Eicosane (C20)	12.928	2914655	19.228 ug/ml
11) T n-Heneicosane (C21)	13.540	2833962	19.129 ug/ml
13) T n-Docosane (C22)	14.126	2796445	19.076 ug/ml
14) T n-Tetracosane (C24)	15.230	2740477	18.984 ug/ml
15) T n-Hexacosane (C26)	16.251	2682383	19.368 ug/ml
16) T n-Octacosane (C28)	17.201	2703056	20.190 ug/ml
17) T n-Tricontane (C30)	18.089	2942021	21.794 ug/ml
18) T n-Dotriacontane (C32)	18.921	3003711	22.484 ug/ml
19) T n-Tetratriacontane (C34)	19.705	2857855	21.731 ug/ml
20) T n-Hexatriacontane (C36)	20.446	2744842	21.119 ug/mlm
21) T n-Octatriacontane (C38)	21.191	2759988	20.343 ug/mlm
22) T n-Tetracontane (C40)	22.118	2819453	20.267 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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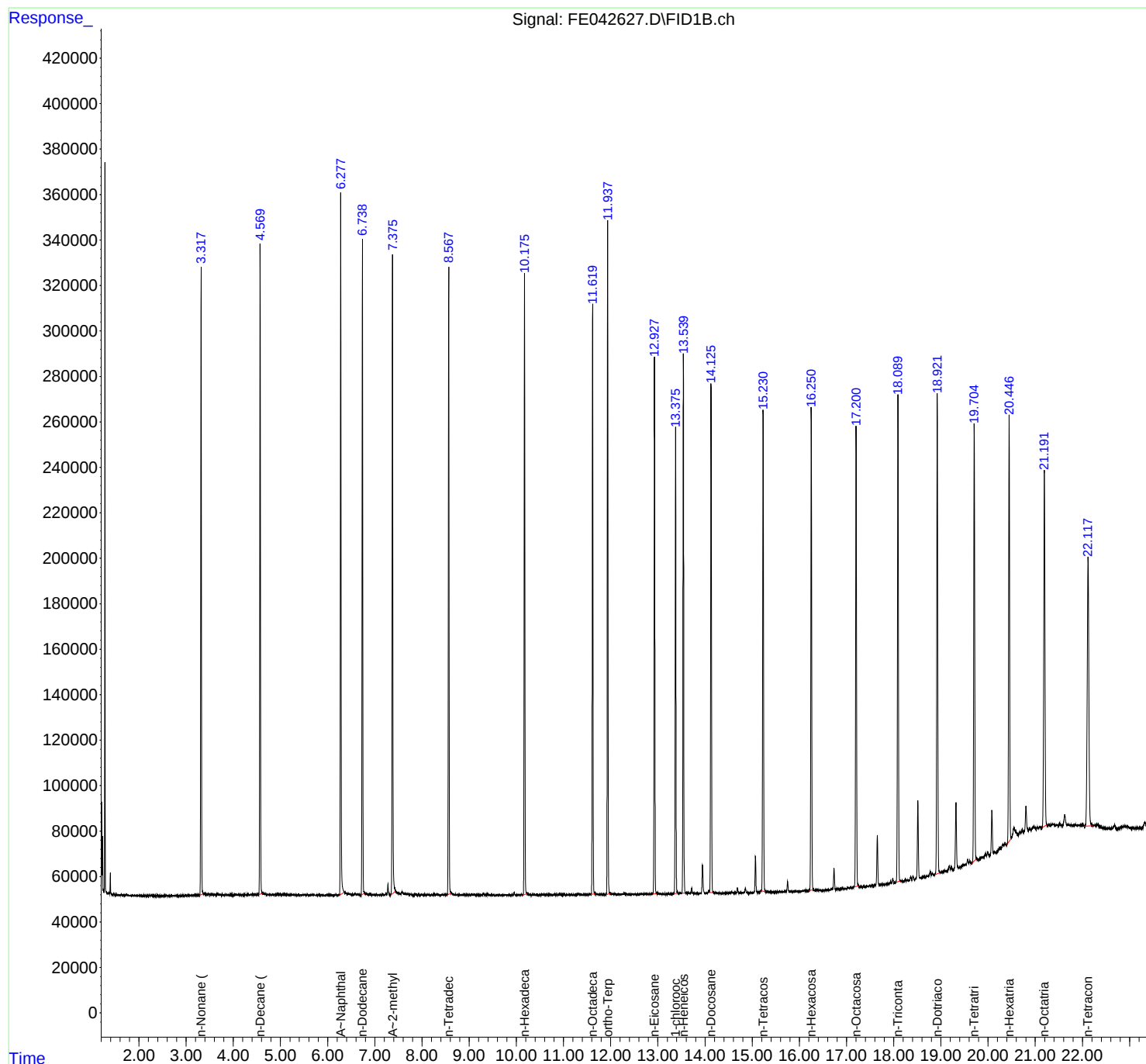
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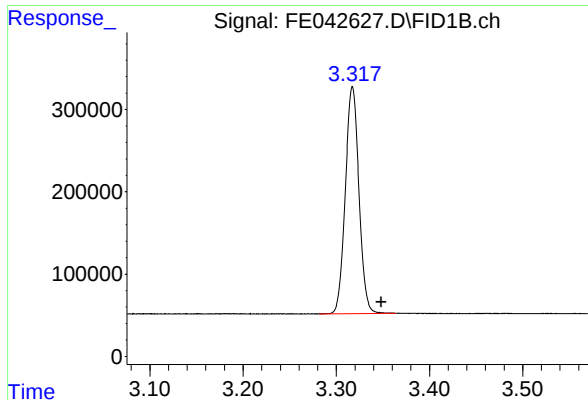
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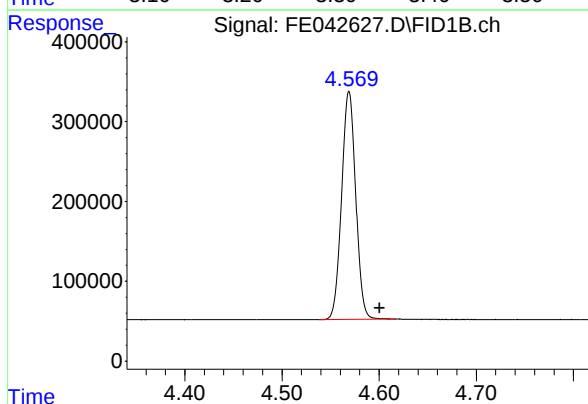
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.031 min
Response: 2797228
Conc: 19.40 ug/ml

Instrument : FID_E
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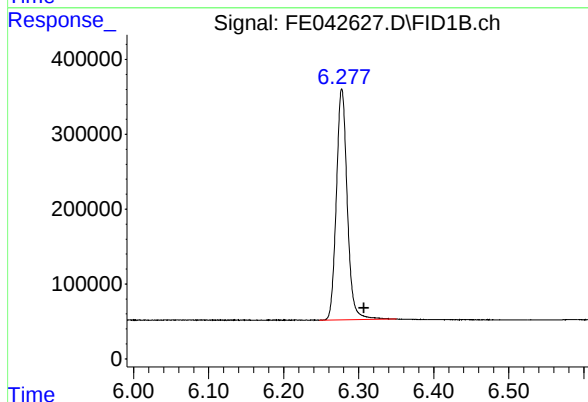
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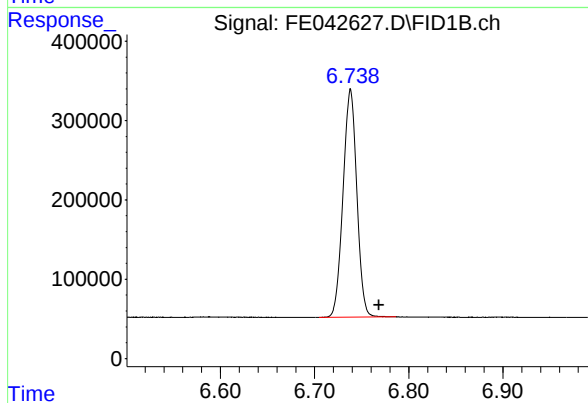
#2 n-Decane (C10)

R.T.: 4.569 min
Delta R.T.: -0.031 min
Response: 2896520
Conc: 19.57 ug/ml



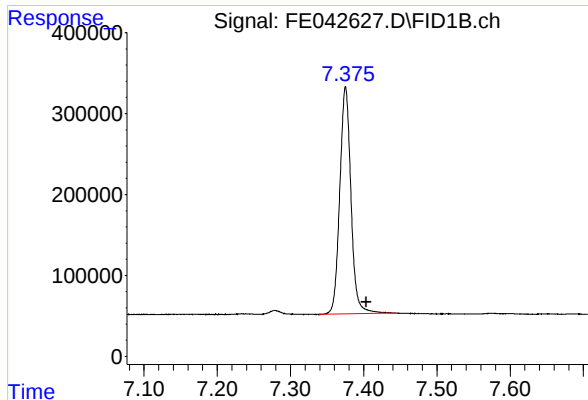
#3 A~Naphthalene (C11.7)

R.T.: 6.278 min
Delta R.T.: -0.029 min
Response: 3118290
Conc: 19.11 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.738 min
Delta R.T.: -0.030 min
Response: 2929477
Conc: 19.54 ug/ml



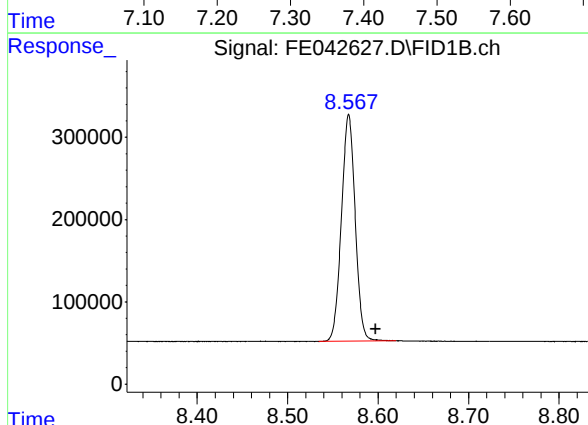
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.375 min
Delta R.T.: -0.028 min
Response: 2983084
Conc: 18.80 ug/ml

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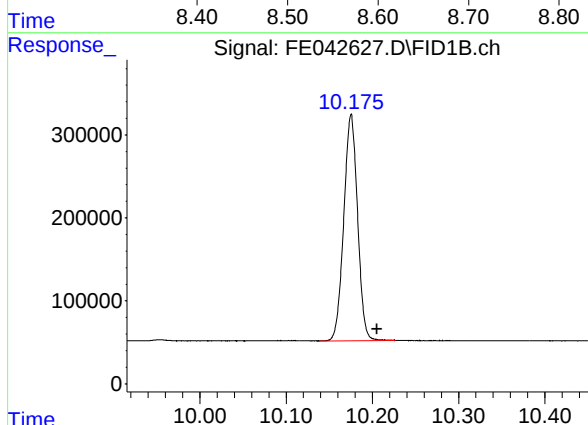
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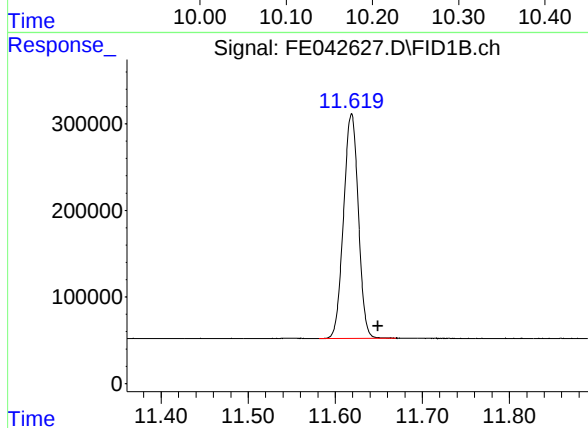
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.030 min
Response: 2914983
Conc: 19.46 ug/ml



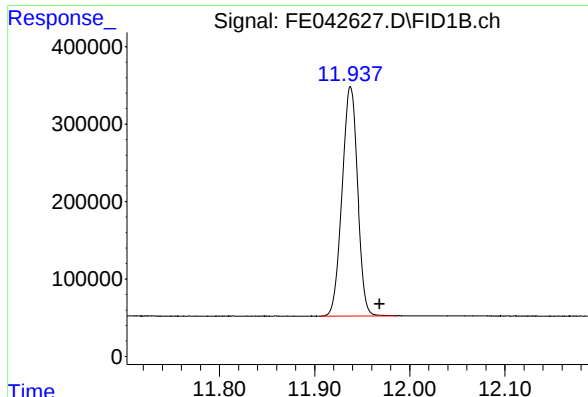
#7 n-Hexadecane (C16)

R.T.: 10.175 min
Delta R.T.: -0.030 min
Response: 3028786
Conc: 19.44 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.619 min
Delta R.T.: -0.030 min
Response: 3057933
Conc: 19.34 ug/ml



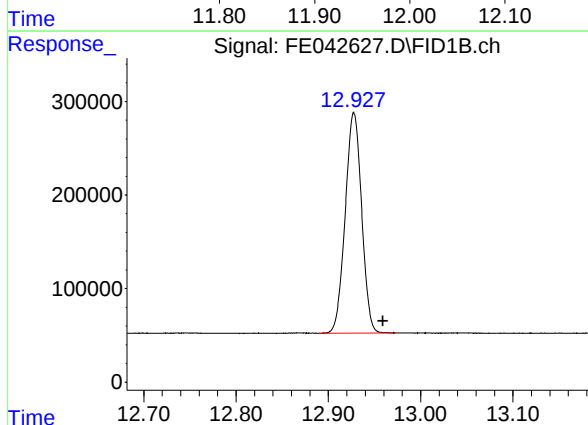
#9 ortho-Terphenyl (SURR)

R.T.: 11.938 min
Delta R.T.: -0.030 min
Response: 3352981
Conc: 18.99 ug/ml

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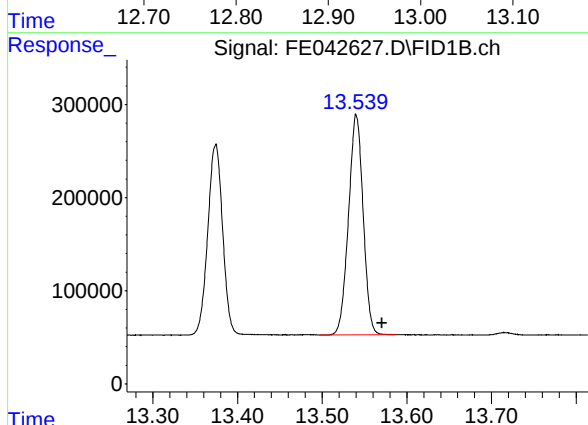
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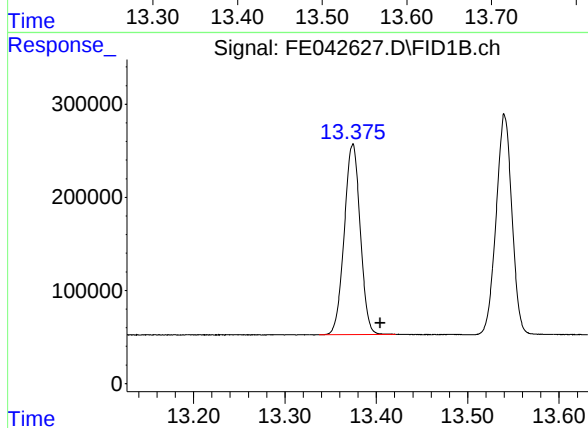
#10 n-Eicosane (C20)

R.T.: 12.928 min
Delta R.T.: -0.031 min
Response: 2914655
Conc: 19.23 ug/ml



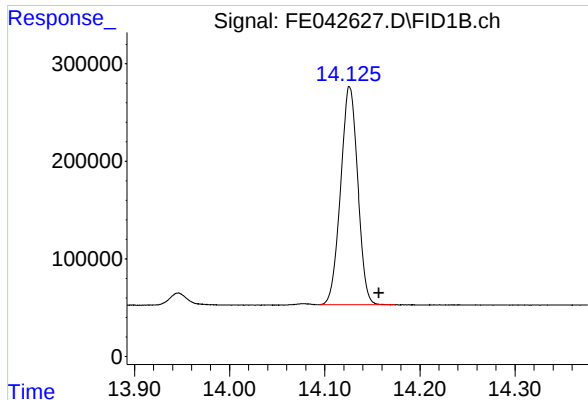
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: -0.030 min
Response: 2833962
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.374 min
Delta R.T.: -0.030 min
Response: 2486200
Conc: 18.71 ug/ml



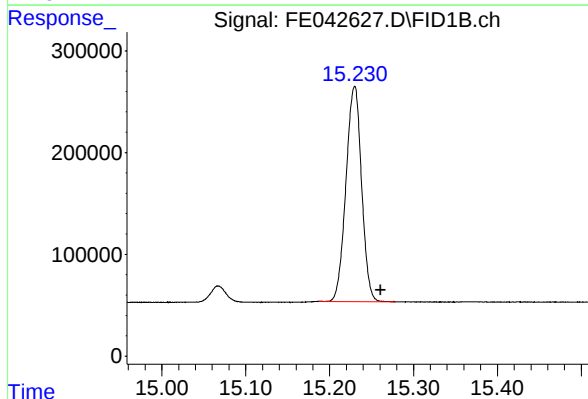
#13 n-Docosane (C22)

R.T.: 14.126 min
Delta R.T.: -0.031 min
Response: 2796445
Conc: 19.08 ug/ml

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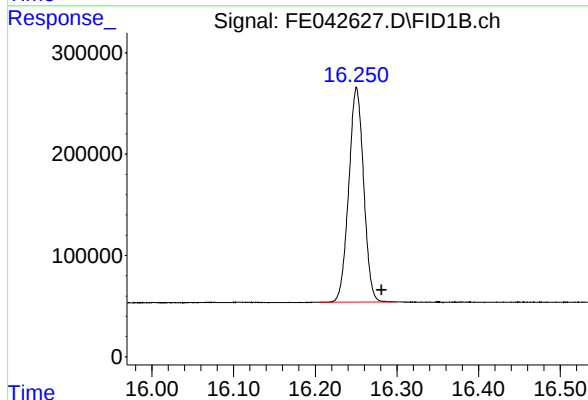
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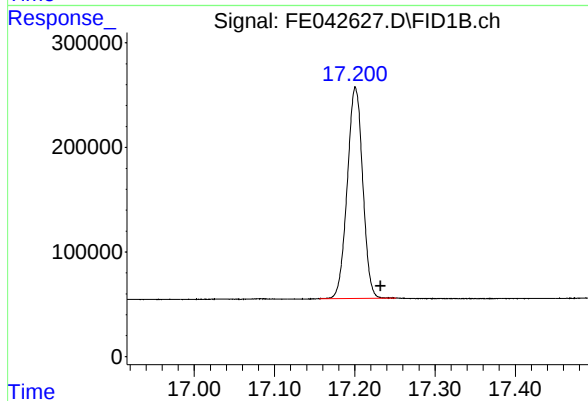
#14 n-Tetracosane (C24)

R.T.: 15.230 min
Delta R.T.: -0.031 min
Response: 2740477
Conc: 18.98 ug/ml



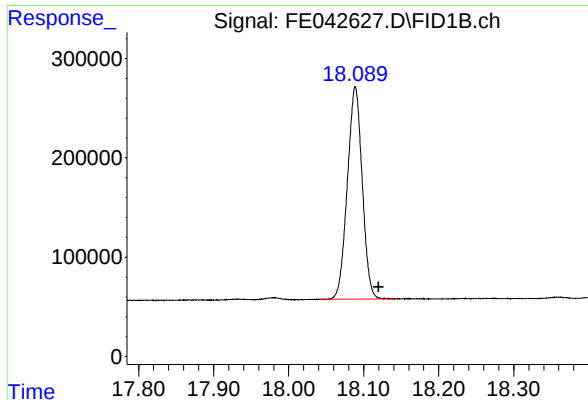
#15 n-Hexacosane (C26)

R.T.: 16.251 min
Delta R.T.: -0.030 min
Response: 2682383
Conc: 19.37 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: -0.031 min
Response: 2703056
Conc: 20.19 ug/ml



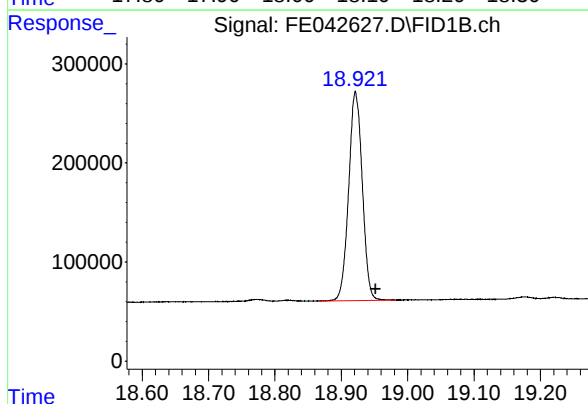
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.031 min
Response: 2942021
Conc: 21.79 ug/ml

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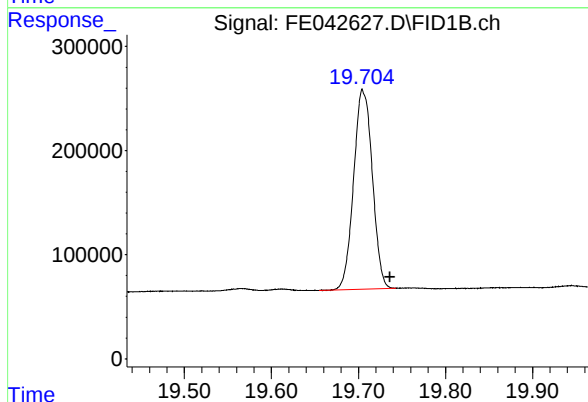
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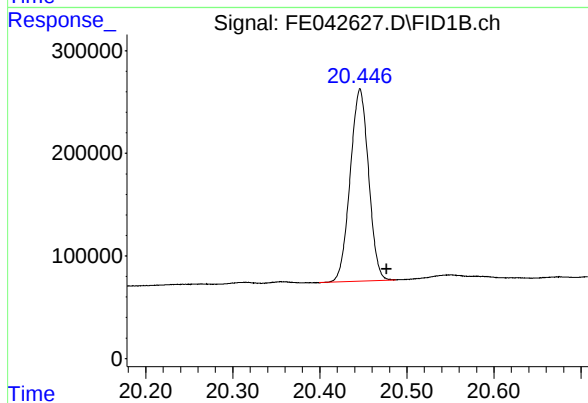
#18 n-Dotriacontane (C32)

R.T.: 18.921 min
Delta R.T.: -0.031 min
Response: 3003711
Conc: 22.48 ug/ml



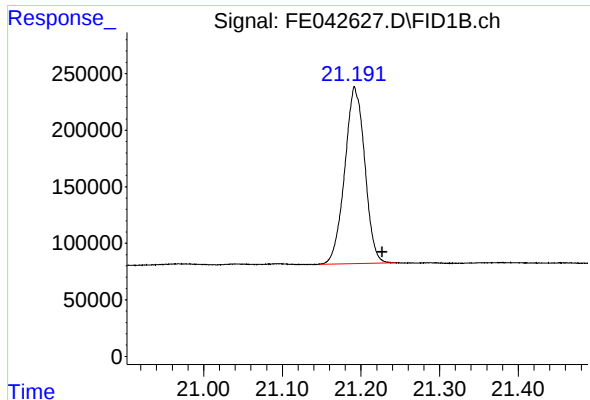
#19 n-Tetratriacontane (C34)

R.T.: 19.705 min
Delta R.T.: -0.032 min
Response: 2857855
Conc: 21.73 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.446 min
Delta R.T.: -0.031 min
Response: 2744842
Conc: 21.12 ug/ml m



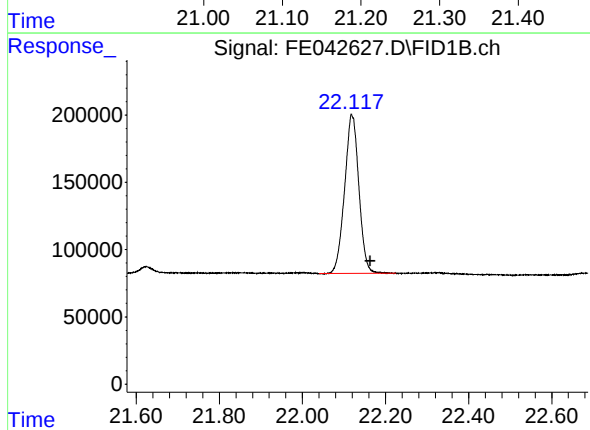
#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: -0.036 min
Response: 2759988
Conc: 20.34 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.118 min
Delta R.T.: -0.045 min
Response: 2819453
Conc: 20.27 ug/ml