

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092023AL\
 Data File : FE044357.D
 Signal(s) : FID1B.ch
 Acq On : 20 Sep 2023 09:02
 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 09/21/2023
 Supervised By :Ankita Jodhani 09/21/2023

Integration File: autoint1.e
 Quant Time: Sep 21 01:09:43 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 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)	11.933	3664895	19.345 ug/ml
Spiked Amount 50.000		Recovery =	38.69%
12) S 1-chlorooctadecane (S...	13.373	2730938	19.768 ug/ml
Spiked Amount 50.000		Recovery =	39.54%
Target Compounds			
1) T n-Nonane (C9)	3.317	3071122	18.826 ug/ml
2) T n-Decane (C10)	4.568	3134789	18.860 ug/ml
3) T A~Naphthalene (C11.7)	6.271	3405443	19.017 ug/ml
4) T n-Dodecane (C12)	6.733	3164318	18.816 ug/ml
5) T A~2-methylnaphthalene...	7.368	3321193	19.373 ug/ml
6) T n-Tetradecane (C14)	8.559	3138336	18.713 ug/ml
7) T n-Hexadecane (C16)	10.170	3190736	18.461 ug/ml
8) T n-Octadecane (C18)	11.615	3180797	18.273 ug/ml
10) T n-Eicosane (C20)	12.927	3058288	18.489 ug/ml
11) T n-Heneicosane (C21)	13.540	2992693	18.502 ug/ml
13) T n-Docosane (C22)	14.127	2939372	18.399 ug/ml
14) T n-Tetracosane (C24)	15.231	2868332	18.342 ug/ml
15) T n-Hexacosane (C26)	16.253	2794819	18.539 ug/ml
16) T n-Octacosane (C28)	17.205	2757691	19.109 ug/ml
17) T n-Tricontane (C30)	18.093	2913349	20.053 ug/ml
18) T n-Dotriacontane (C32)	18.927	2971129	20.858 ug/ml
19) T n-Tetratriacontane (C34)	19.714	2888966	20.644 ug/ml
20) T n-Hexatriacontane (C36)	20.456	2948273	21.505 ug/ml
21) T n-Octatriacontane (C38)	21.199	2973418	21.420 ug/mlm
22) T n-Tetracontane (C40)	22.126	3146359	22.757 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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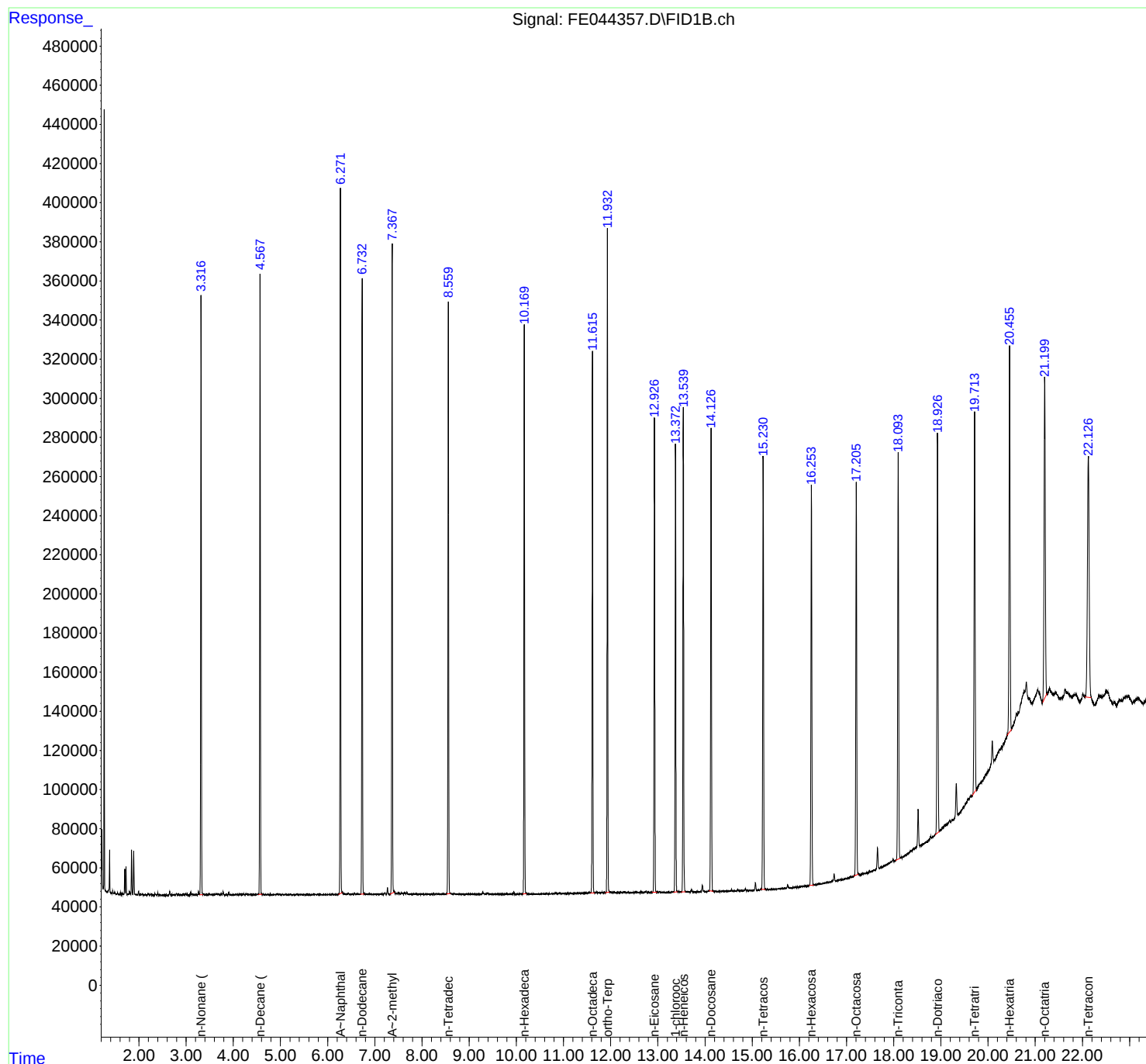
Instrument :
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20 PPM ALIPHATIC HC STD

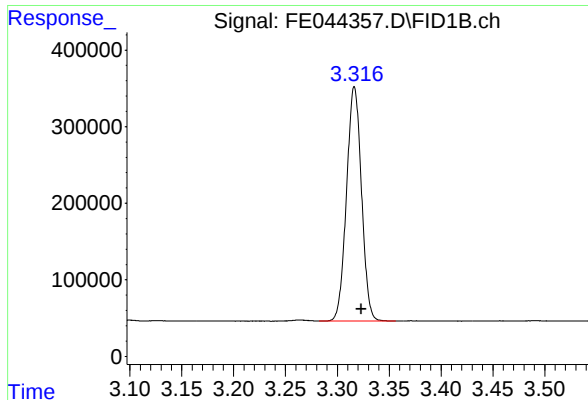
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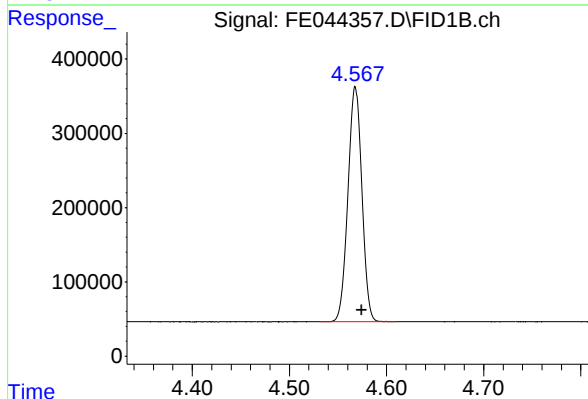
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: -0.006 min
Response: 3071122
Conc: 18.83 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

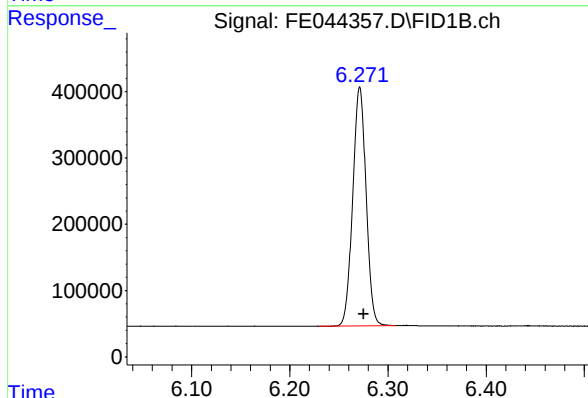
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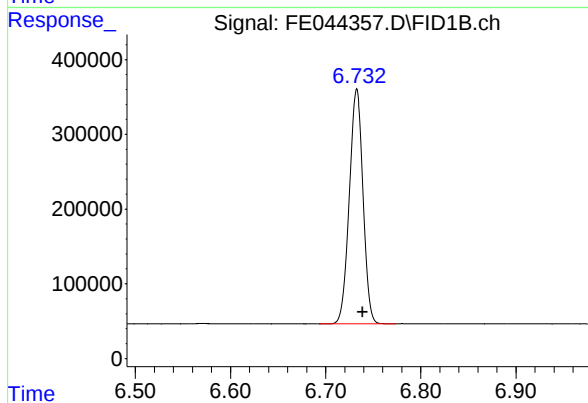
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.006 min
Response: 3134789
Conc: 18.86 ug/ml



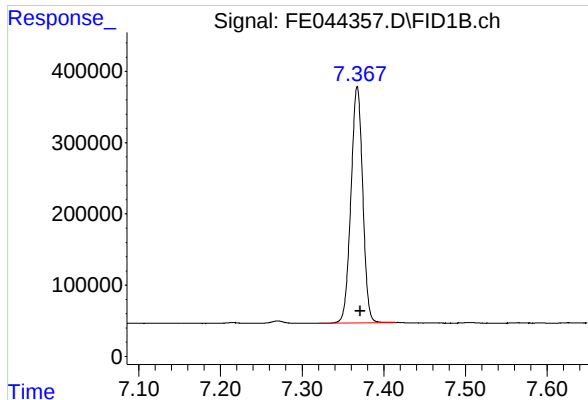
#3 A~Naphthalene (C11.7)

R.T.: 6.271 min
Delta R.T.: -0.004 min
Response: 3405443
Conc: 19.02 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.733 min
Delta R.T.: -0.006 min
Response: 3164318
Conc: 18.82 ug/ml



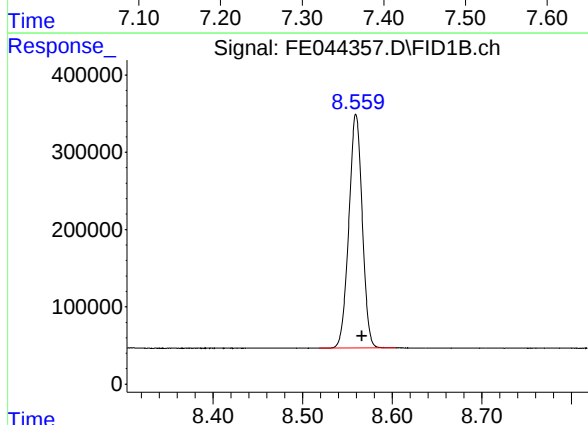
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.368 min
Delta R.T.: -0.004 min
Response: 3321193
Conc: 19.37 ug/ml

Instrument : FID_E
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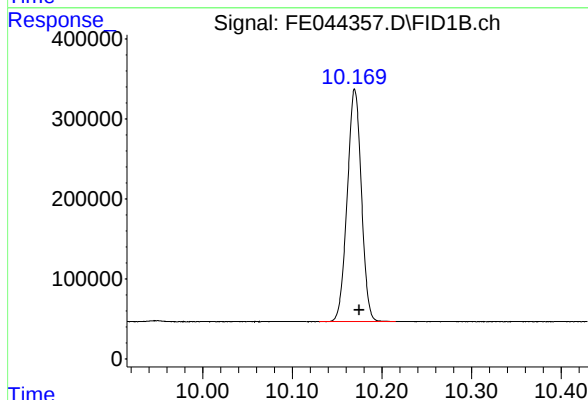
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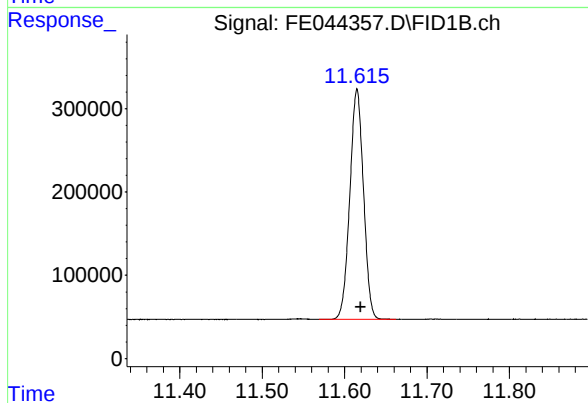
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.006 min
Response: 3138336
Conc: 18.71 ug/ml



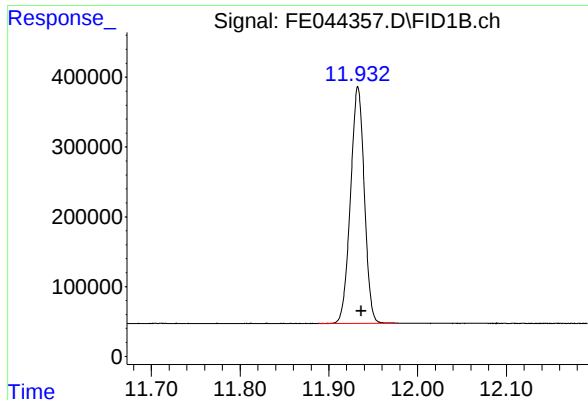
#7 n-Hexadecane (C16)

R.T.: 10.170 min
Delta R.T.: -0.005 min
Response: 3190736
Conc: 18.46 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.615 min
Delta R.T.: -0.005 min
Response: 3180797
Conc: 18.27 ug/ml



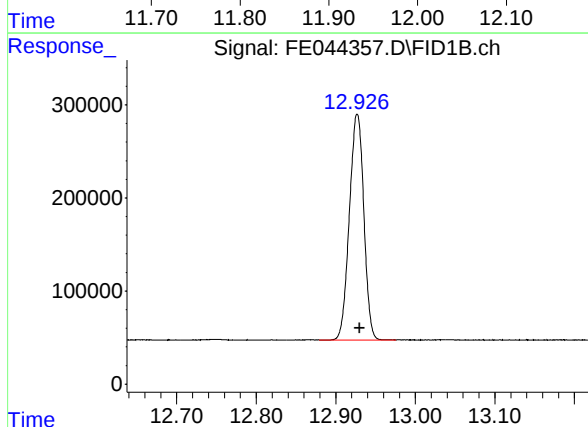
#9 ortho-Terphenyl (SURR)

R.T.: 11.933 min
Delta R.T.: -0.004 min
Response: 3664895
Conc: 19.34 ug/ml

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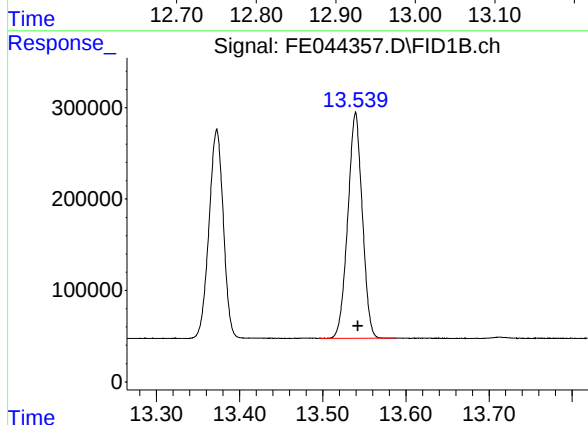
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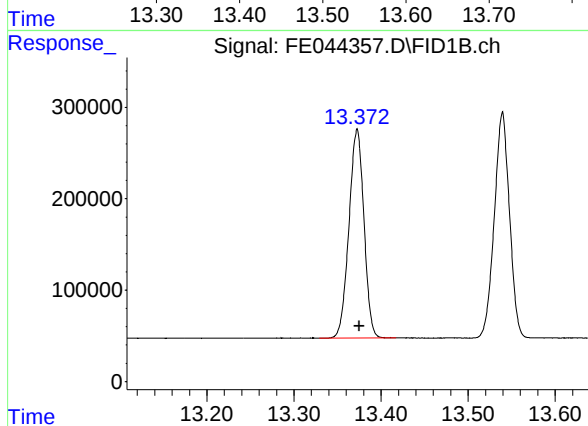
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: -0.003 min
Response: 3058288
Conc: 18.49 ug/ml



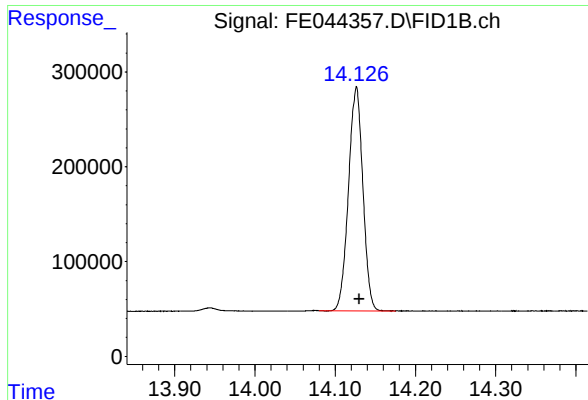
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: -0.003 min
Response: 2992693
Conc: 18.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: -0.002 min
Response: 2730938
Conc: 19.77 ug/ml



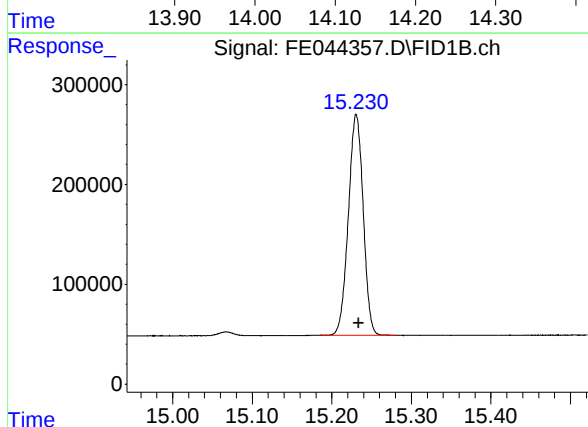
#13 n-Docosane (C22)

R.T.: 14.127 min
Delta R.T.: -0.004 min
Response: 2939372
Conc: 18.40 ug/ml

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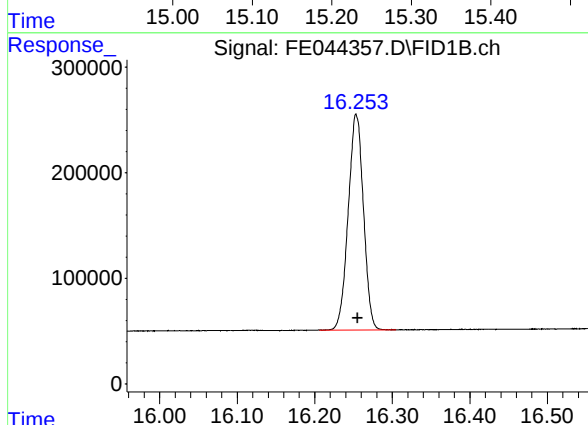
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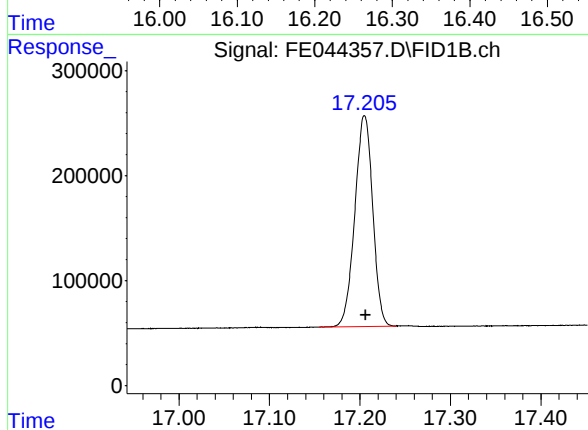
#14 n-Tetracosane (C24)

R.T.: 15.231 min
Delta R.T.: -0.003 min
Response: 2868332
Conc: 18.34 ug/ml



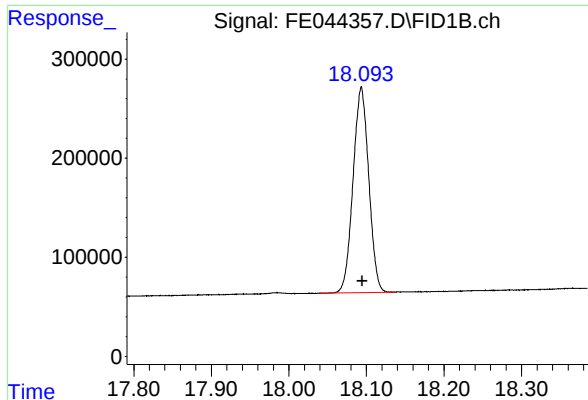
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.002 min
Response: 2794819
Conc: 18.54 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: 0.000 min
Response: 2757691
Conc: 19.11 ug/ml



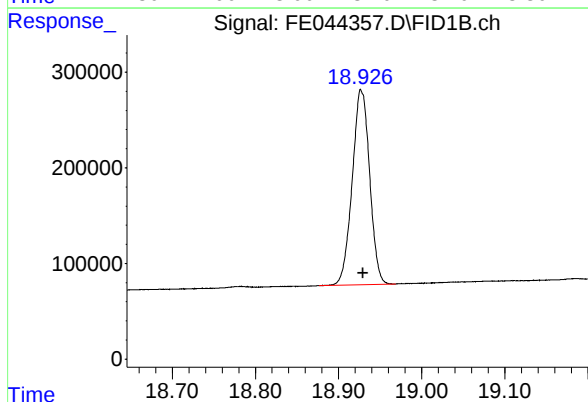
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.001 min
Response: 2913349
Conc: 20.05 ug/ml

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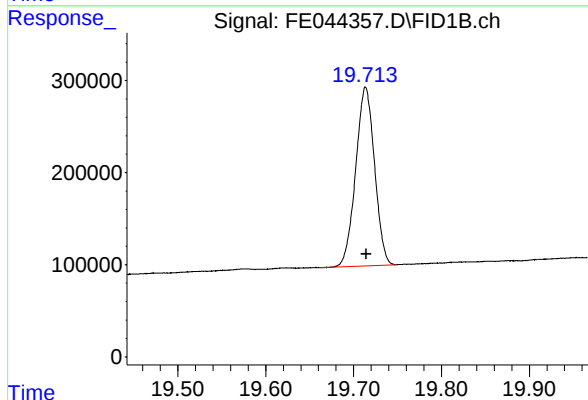
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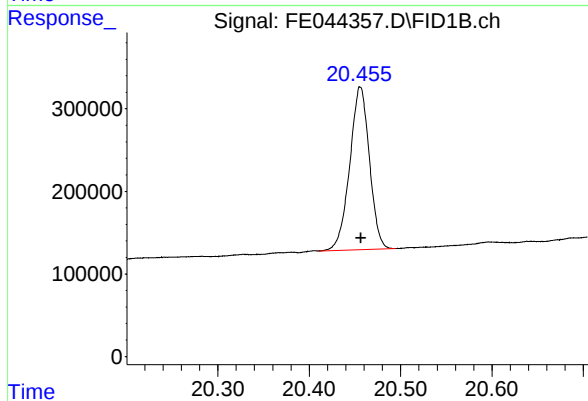
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.002 min
Response: 2971129
Conc: 20.86 ug/ml



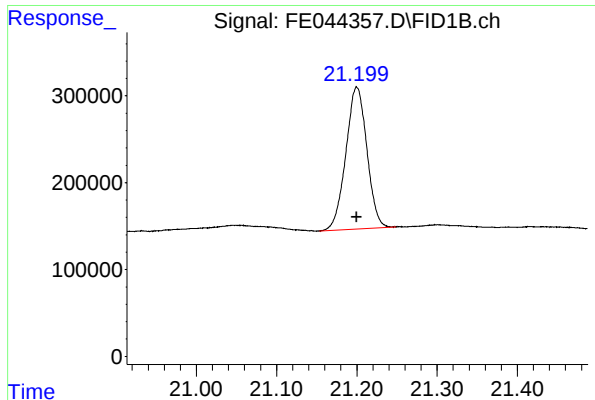
#19 n-Tetratriacontane (C34)

R.T.: 19.714 min
Delta R.T.: 0.000 min
Response: 2888966
Conc: 20.64 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.456 min
Delta R.T.: 0.000 min
Response: 2948273
Conc: 21.51 ug/ml



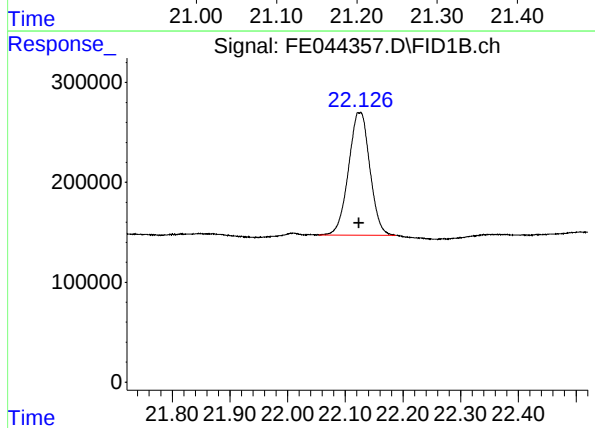
#21 n-Octatriacontane (C38)

R.T.: 21.199 min
Delta R.T.: 0.000 min
Response: 2973418
Conc: 21.42 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.126 min
Delta R.T.: 0.003 min
Response: 3146359
Conc: 22.76 ug/ml m