

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091024AL\
 Data File : FE049982.D
 Signal(s) : FID1B.ch
 Acq On : 09 Sep 2024 18:48
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/10/2024
 Supervised By :Ankita Jodhani 09/10/2024

Integration File: autoint1.e
 Quant Time: Sep 10 01:28:56 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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)	11.877	2900536	19.495 ug/ml
Spiked Amount 50.000		Recovery =	38.99%
12) S 1-chlorooctadecane (S...	13.312	2208249	19.659 ug/ml
Spiked Amount 50.000		Recovery =	39.32%
Target Compounds			
1) T n-Nonane (C9)	3.266	2659145	19.618 ug/ml
2) T n-Decane (C10)	4.517	2702991	19.585 ug/ml
3) T A~Naphthalene (C11.7)	6.225	2774777	19.824 ug/ml
4) T n-Dodecane (C12)	6.684	2720422	19.673 ug/ml
5) T A~2-methylnaphthalene...	7.320	2594970	19.743 ug/ml
6) T n-Tetradecane (C14)	8.511	2668248	19.595 ug/ml
7) T n-Hexadecane (C16)	10.117	2729902	19.653 ug/ml
8) T n-Octadecane (C18)	11.558	2750577	19.633 ug/ml
10) T n-Eicosane (C20)	12.866	2618359	19.519 ug/ml
11) T n-Heneicosane (C21)	13.477	2577216	19.614 ug/ml
13) T n-Docosane (C22)	14.064	2542174	19.523 ug/ml
14) T n-Tetracosane (C24)	15.164	2535292	19.414 ug/ml
15) T n-Hexacosane (C26)	16.184	2496506	19.513 ug/ml
16) T n-Octacosane (C28)	17.133	2517788	19.547 ug/ml
17) T n-Tricontane (C30)	18.019	2610281	19.520 ug/ml
18) T n-Dotriacontane (C32)	18.851	2598579	19.501 ug/ml
19) T n-Tetratriacontane (C34)	19.634	2397927	19.407 ug/ml
20) T n-Hexatriacontane (C36)	20.374	2189286	19.732 ug/mlm
21) T n-Octatriacontane (C38)	21.100	2129335	19.309 ug/ml
22) T n-Tetracontane (C40)	21.991	2090083	19.208 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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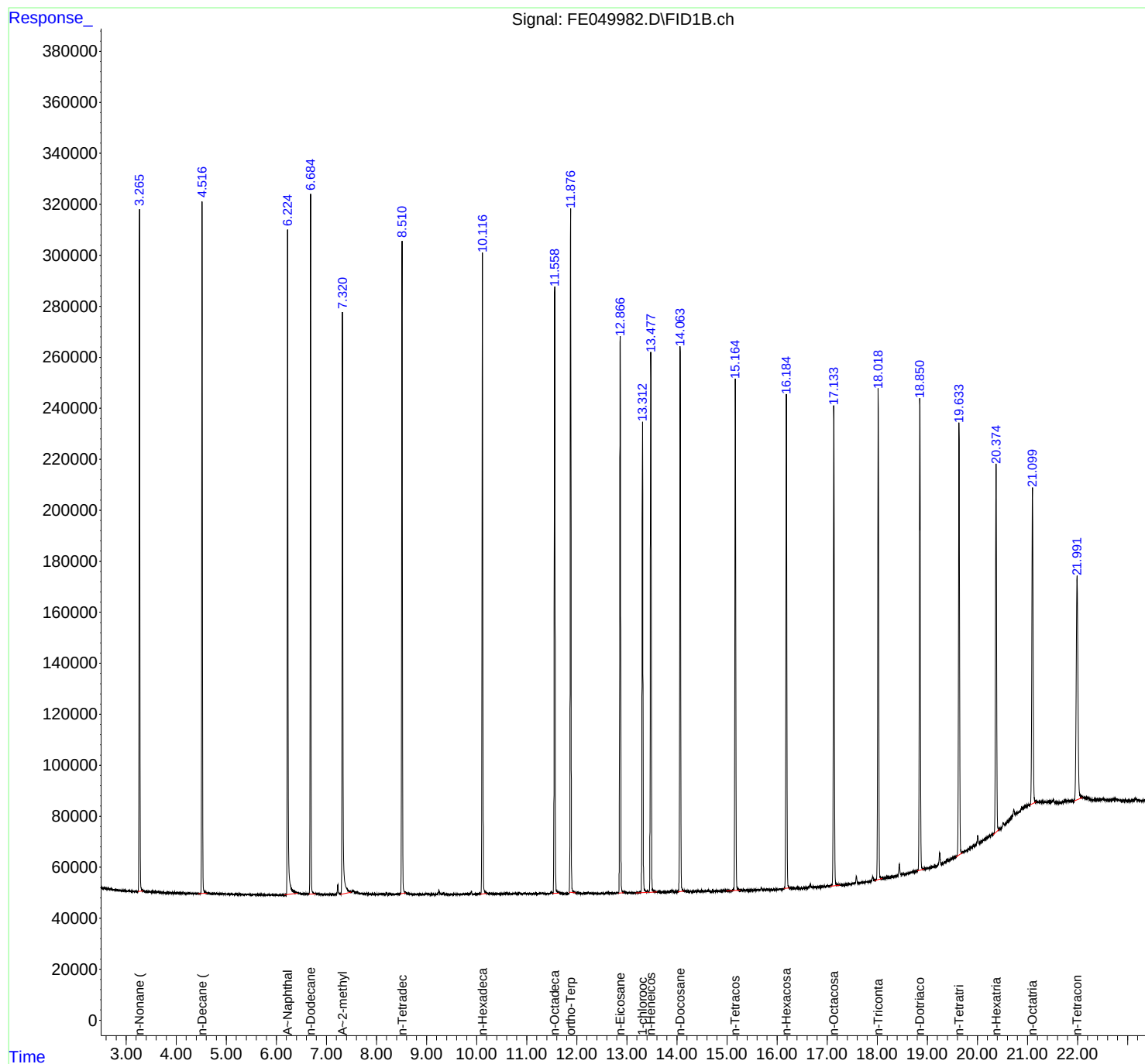
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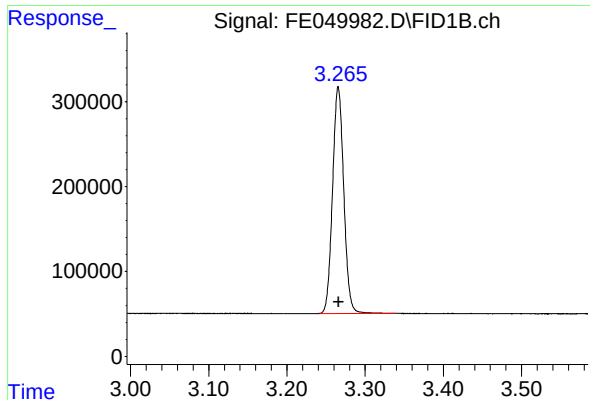
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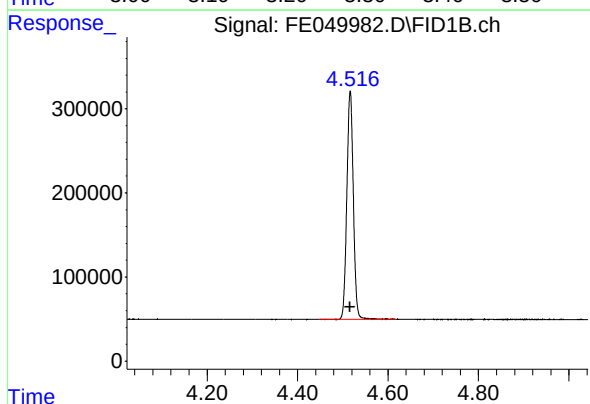
#1 n-Nonane (C9)

R.T.: 3.266 min
Delta R.T.: 0.000 min
Response: 2659145
Conc: 19.62 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

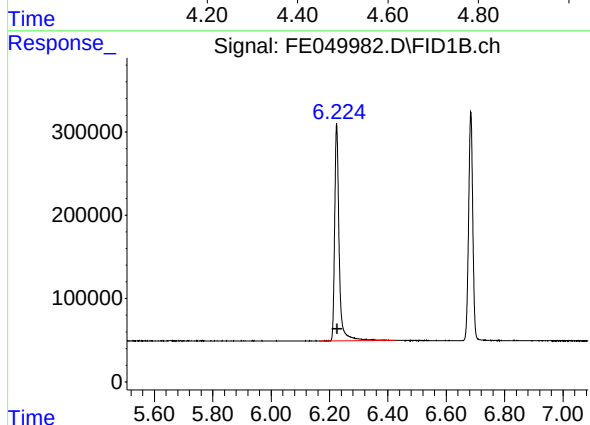
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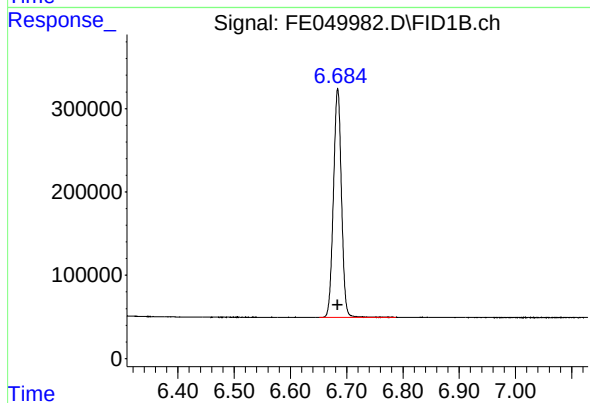
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 2702991
Conc: 19.59 ug/ml



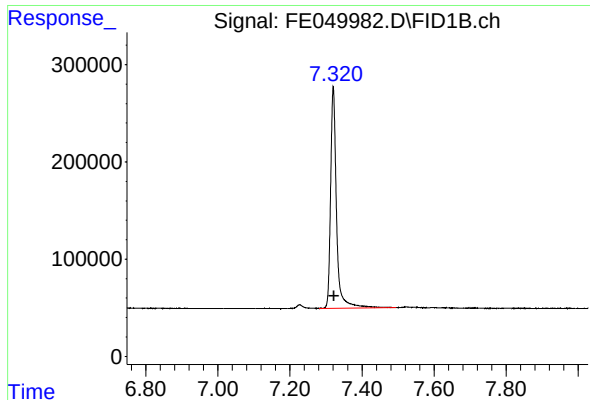
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.002 min
Response: 2774777
Conc: 19.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: 0.000 min
Response: 2720422
Conc: 19.67 ug/ml



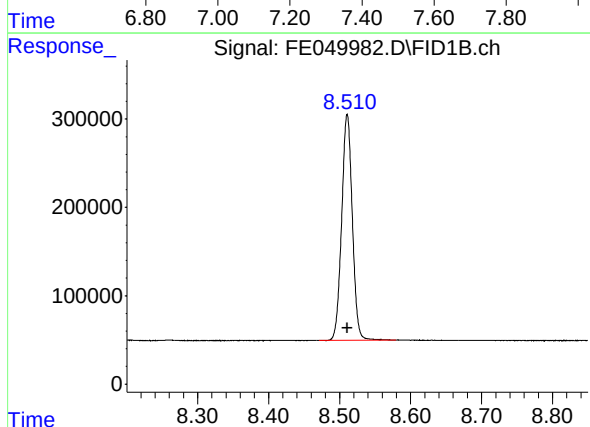
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.320 min
Delta R.T.: -0.003 min
Response: 2594970
Conc: 19.74 ug/ml

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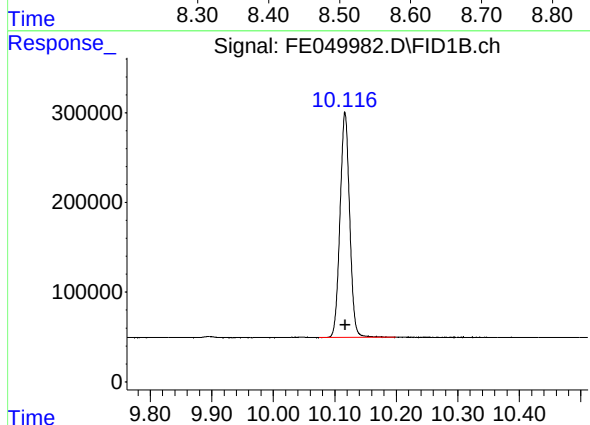
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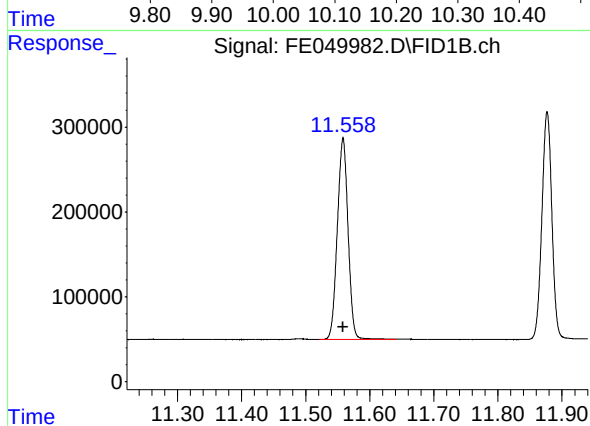
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: 0.000 min
Response: 2668248
Conc: 19.59 ug/ml



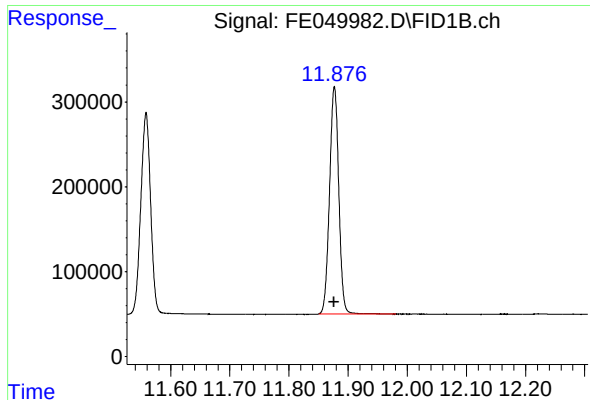
#7 n-Hexadecane (C16)

R.T.: 10.117 min
Delta R.T.: 0.000 min
Response: 2729902
Conc: 19.65 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.558 min
Delta R.T.: 0.000 min
Response: 2750577
Conc: 19.63 ug/ml



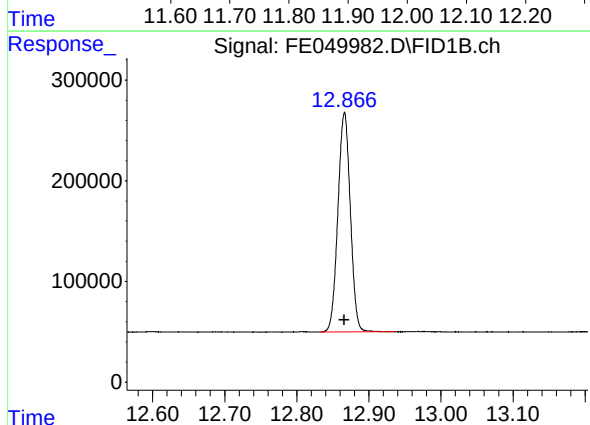
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: 0.000 min
Response: 2900536
Conc: 19.50 ug/ml

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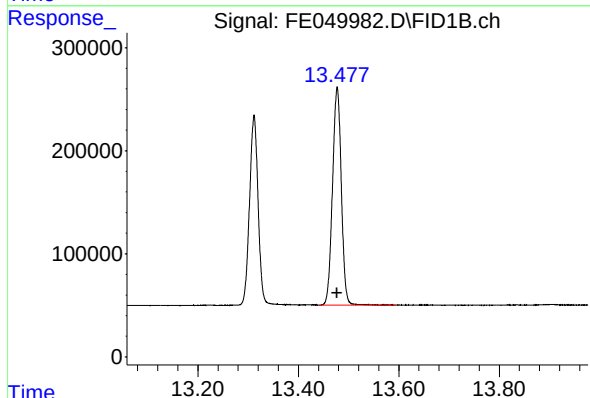
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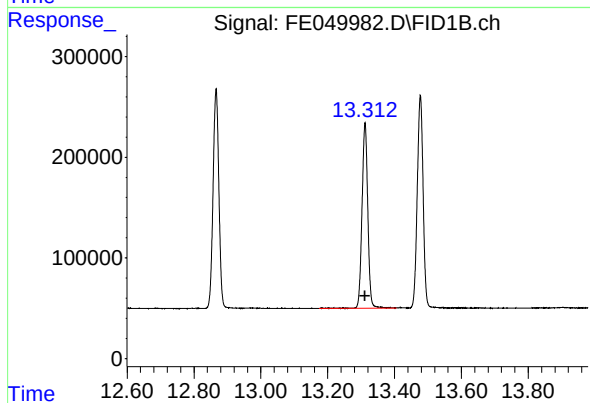
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: 0.000 min
Response: 2618359
Conc: 19.52 ug/ml



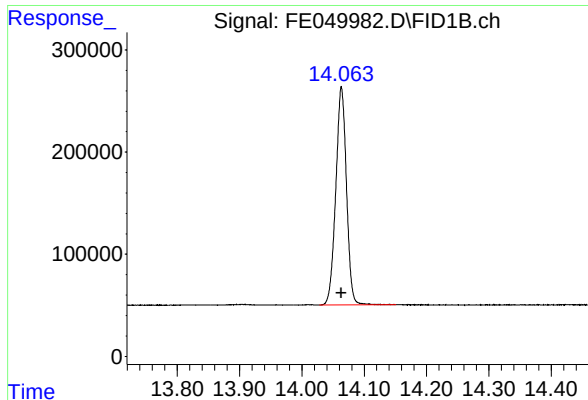
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: 0.000 min
Response: 2577216
Conc: 19.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: 0.000 min
Response: 2208249
Conc: 19.66 ug/ml



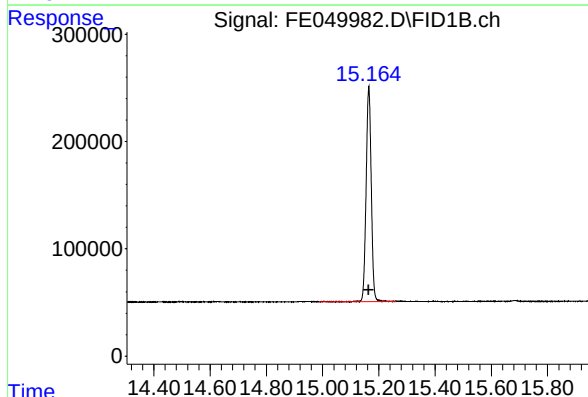
#13 n-Docosane (C22)

R.T.: 14.064 min
Delta R.T.: 0.000 min
Response: 2542174
Conc: 19.52 ug/ml

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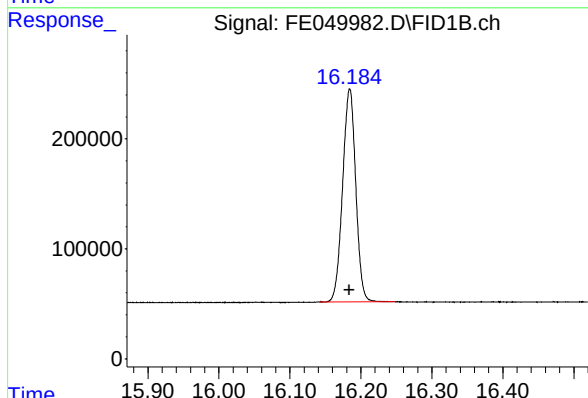
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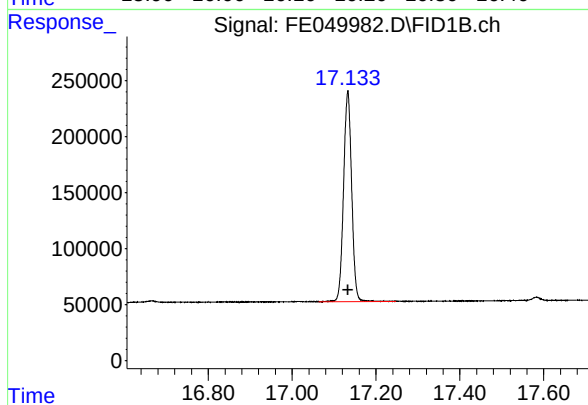
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: 0.000 min
Response: 2535292
Conc: 19.41 ug/ml



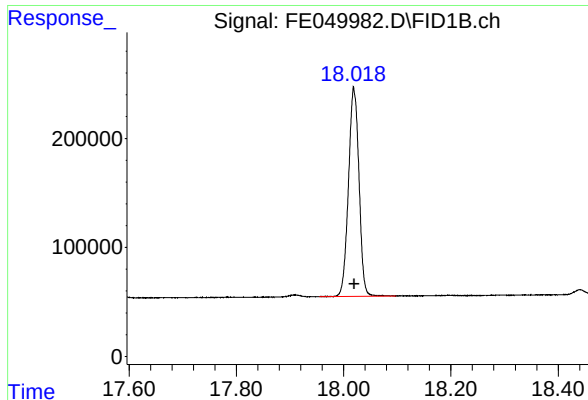
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: 0.000 min
Response: 2496506
Conc: 19.51 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.133 min
Delta R.T.: 0.000 min
Response: 2517788
Conc: 19.55 ug/ml



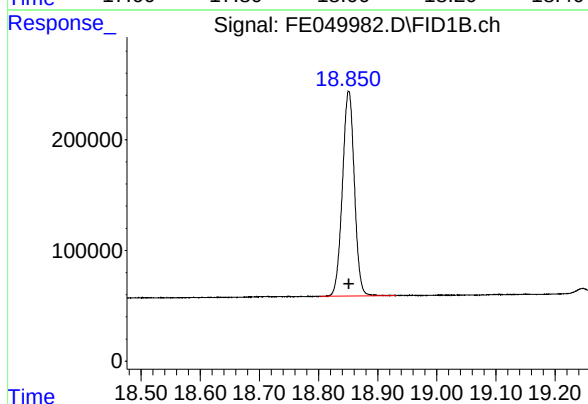
#17 n-Tricontane (C30)

R.T.: 18.019 min
Delta R.T.: 0.000 min
Response: 2610281
Conc: 19.52 ug/ml

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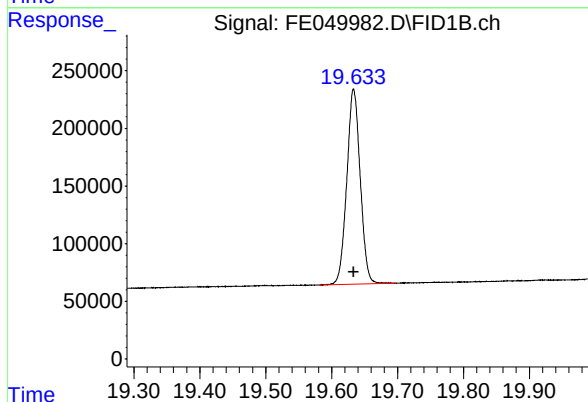
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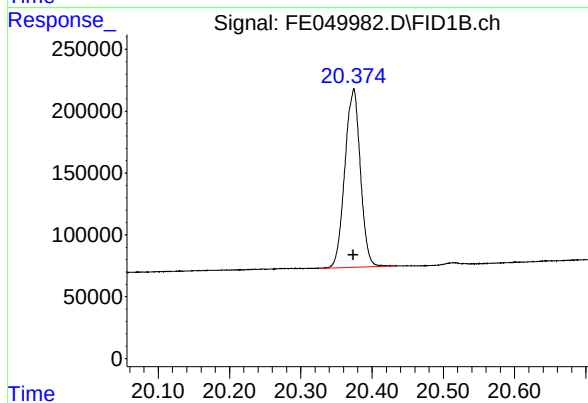
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: 0.000 min
Response: 2598579
Conc: 19.50 ug/ml



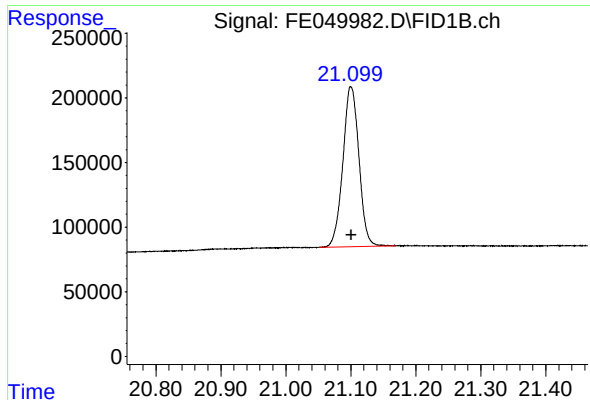
#19 n-Tetratriacontane (C34)

R.T.: 19.634 min
Delta R.T.: 0.000 min
Response: 2397927
Conc: 19.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: 0.000 min
Response: 2189286
Conc: 19.73 ug/ml m



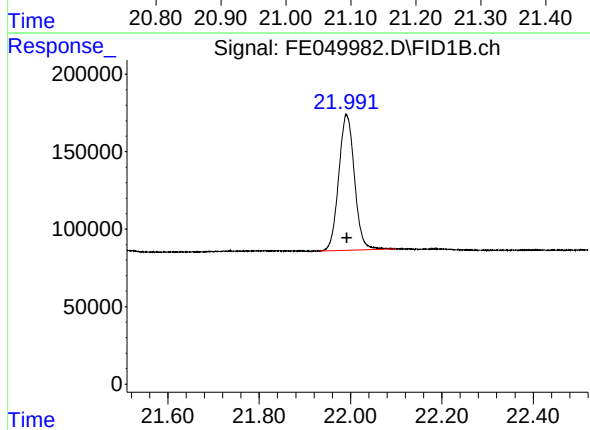
#21 n-Octatriacontane (C38)

R.T.: 21.100 min
Delta R.T.: 0.000 min
Response: 2129335
Conc: 19.31 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: 0.000 min
Response: 2090083
Conc: 19.21 ug/ml