

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE043024AL\
 Data File : FE047897.D
 Signal(s) : FID1B.ch
 Acq On : 01 May 2024 00:38
 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 05/01/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 01 01:22:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.975	3043414	21.096 ug/ml
Spiked Amount 50.000		Recovery =	42.19%
12) S 1-chlorooctadecane (S...	13.409	2361933	21.138 ug/ml
Spiked Amount 50.000		Recovery =	42.28%
Target Compounds			
1) T n-Nonane (C9)	3.353	2762023	21.431 ug/ml
2) T n-Decane (C10)	4.606	2820575	21.424 ug/ml
3) T A~Naphthalene (C11.7)	6.315	2981860	21.595 ug/ml
4) T n-Dodecane (C12)	6.773	2841019	21.311 ug/ml
5) T A~2-methylnaphthalene...	7.411	2866055	21.537 ug/ml
6) T n-Tetradecane (C14)	8.601	2809656	21.201 ug/ml
7) T n-Hexadecane (C16)	10.209	2915833	21.201 ug/ml
8) T n-Octadecane (C18)	11.653	2944392	21.138 ug/ml
10) T n-Eicosane (C20)	12.963	2832395	21.036 ug/ml
11) T n-Heneicosane (C21)	13.575	2790158	21.078 ug/ml
13) T n-Docosane (C22)	14.160	2773676	20.930 ug/ml
14) T n-Tetracosane (C24)	15.263	2761792	20.741 ug/ml
15) T n-Hexacosane (C26)	16.284	2738339	20.521 ug/ml
16) T n-Octacosane (C28)	17.233	2717553	20.410 ug/ml
17) T n-Tricontane (C30)	18.119	2873553	20.821 ug/ml
18) T n-Dotriacontane (C32)	18.952	2864103	20.735 ug/ml
19) T n-Tetratriacontane (C34)	19.737	2857158	20.974 ug/ml
20) T n-Hexatriacontane (C36)	20.474	3002216	22.173 ug/ml
21) T n-Octatriacontane (C38)	21.218	2825990	20.468 ug/ml
22) T n-Tetracontane (C40)	22.148	2795278	20.063 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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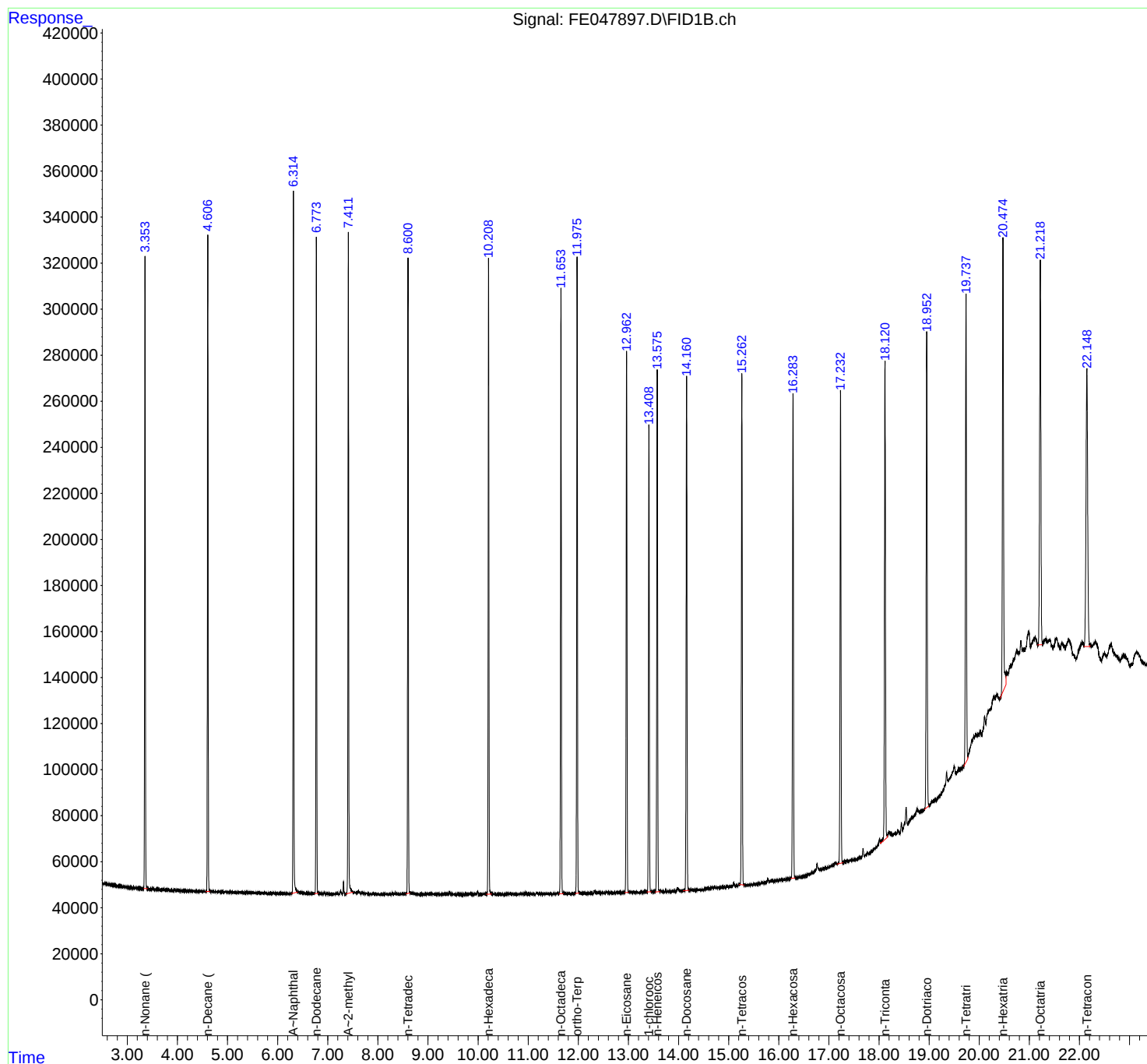
Instrument :
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20 PPM ALIPHATIC HC STD

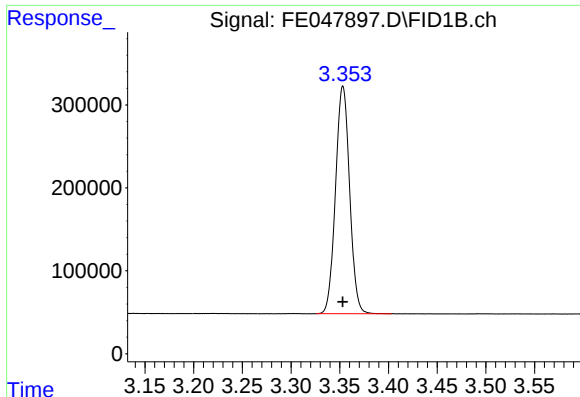
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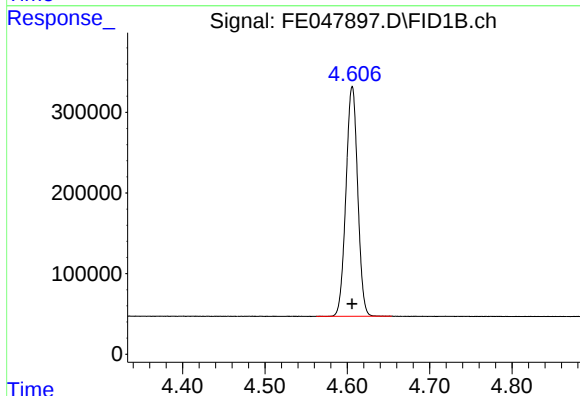
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: 0.000 min
Response: 2762023
Conc: 21.43 ug/ml

Instrument :
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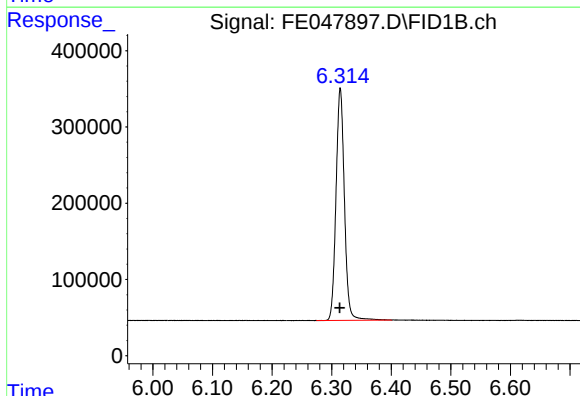
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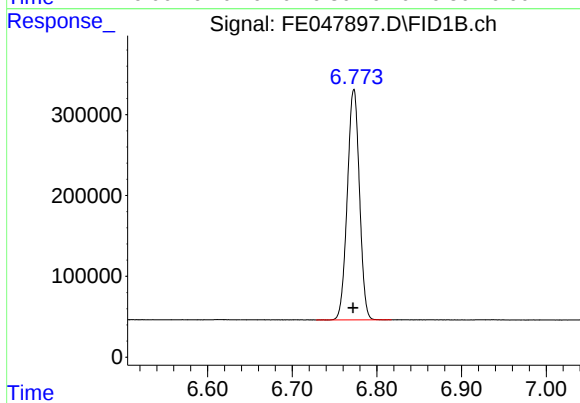
#2 n-Decane (C10)

R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 2820575
Conc: 21.42 ug/ml



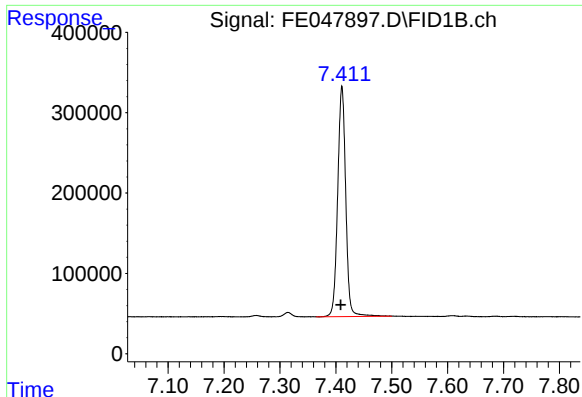
#3 A~Naphthalene (C11.7)

R.T.: 6.315 min
Delta R.T.: 0.001 min
Response: 2981860
Conc: 21.59 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.773 min
Delta R.T.: 0.000 min
Response: 2841019
Conc: 21.31 ug/ml



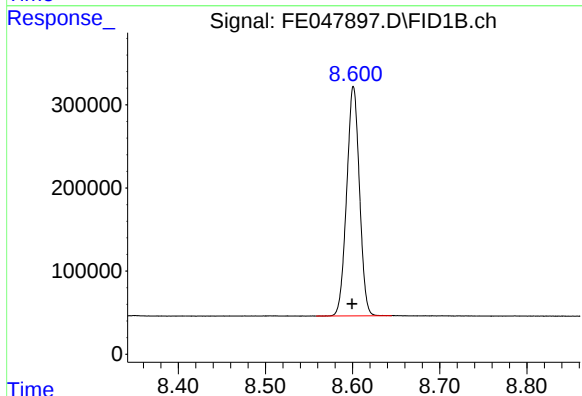
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.411 min
Delta R.T.: 0.002 min
Response: 2866055
Conc: 21.54 ug/ml

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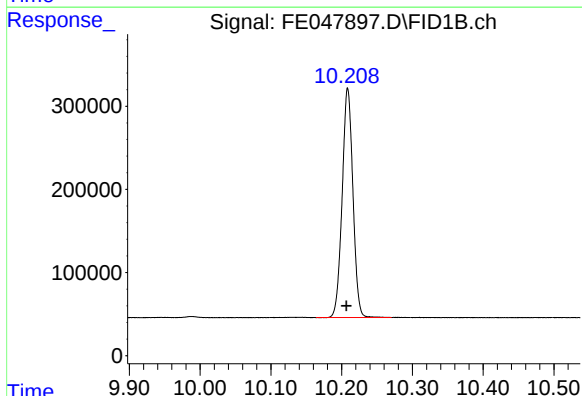
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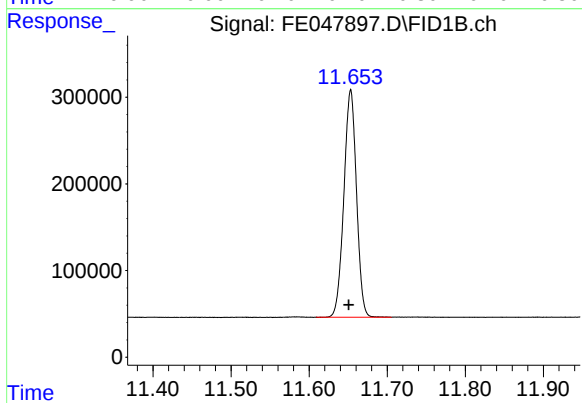
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.002 min
Response: 2809656
Conc: 21.20 ug/ml



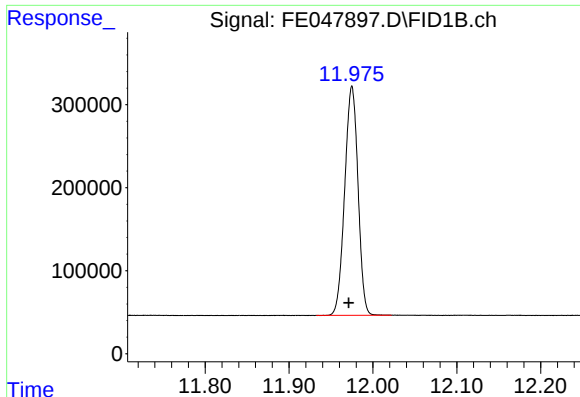
#7 n-Hexadecane (C16)

R.T.: 10.209 min
Delta R.T.: 0.002 min
Response: 2915833
Conc: 21.20 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.003 min
Response: 2944392
Conc: 21.14 ug/ml



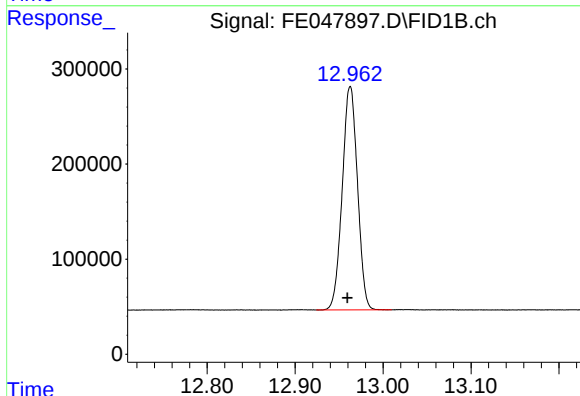
#9 ortho-Terphenyl (SURR)

R.T.: 11.975 min
Delta R.T.: 0.004 min
Response: 3043414
Conc: 21.10 ug/ml

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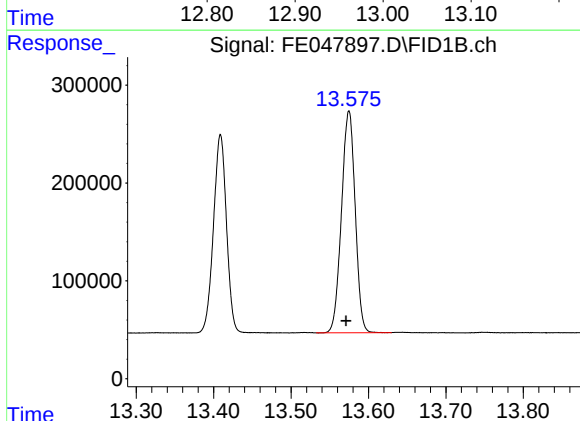
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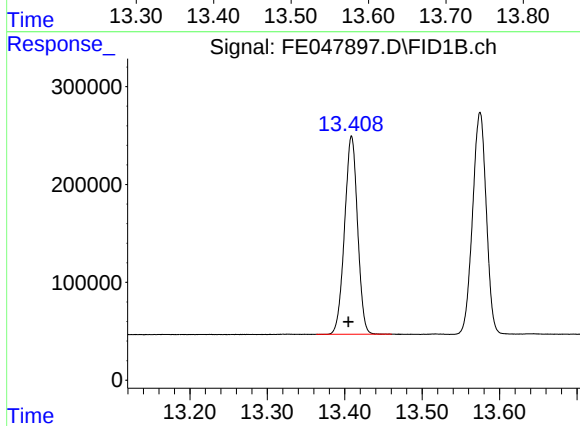
#10 n-Eicosane (C20)

R.T.: 12.963 min
Delta R.T.: 0.003 min
Response: 2832395
Conc: 21.04 ug/ml



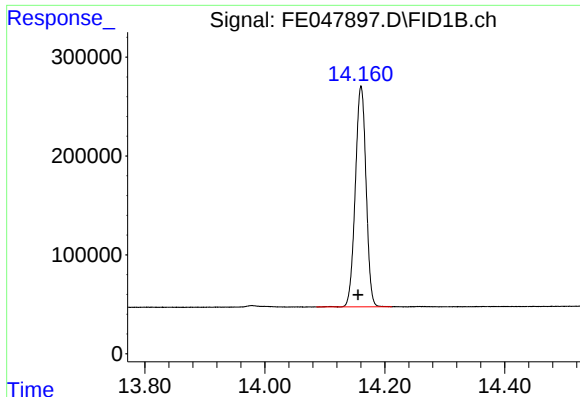
#11 n-Heneicosane (C21)

R.T.: 13.575 min
Delta R.T.: 0.004 min
Response: 2790158
Conc: 21.08 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.409 min
Delta R.T.: 0.004 min
Response: 2361933
Conc: 21.14 ug/ml



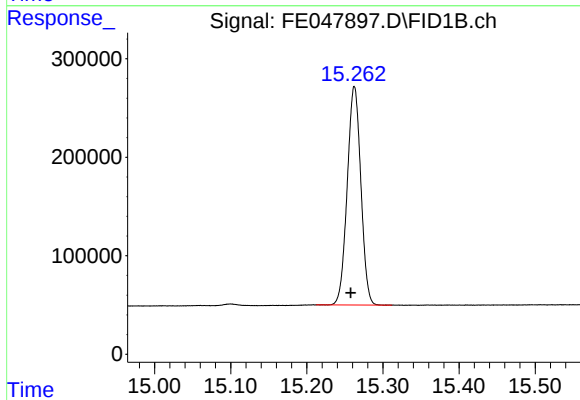
#13 n-Docosane (C22)

R.T.: 14.160 min
Delta R.T.: 0.005 min
Response: 2773676
Conc: 20.93 ug/ml

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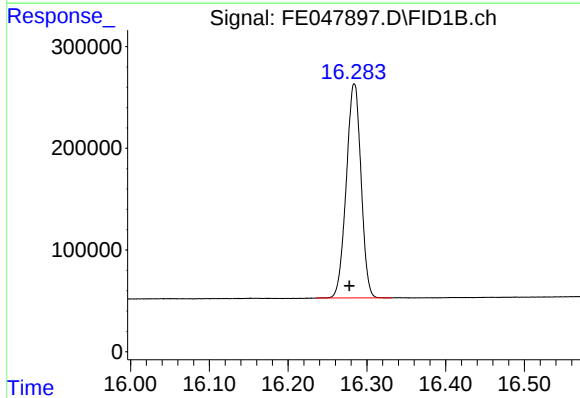
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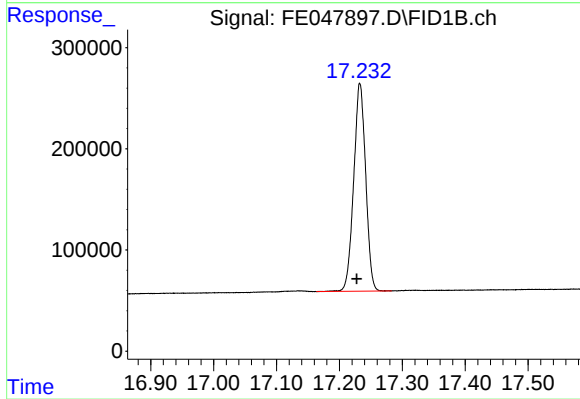
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: 0.005 min
Response: 2761792
Conc: 20.74 ug/ml



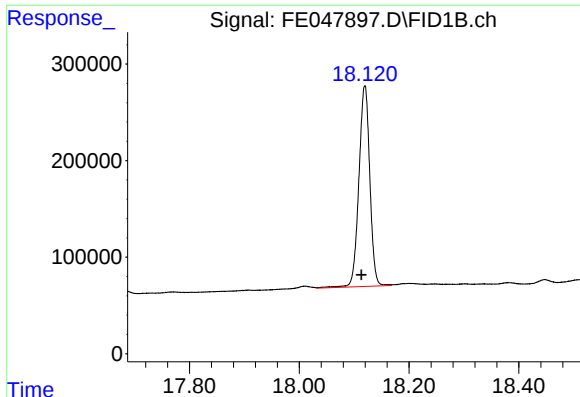
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: 0.006 min
Response: 2738339
Conc: 20.52 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.233 min
Delta R.T.: 0.005 min
Response: 2717553
Conc: 20.41 ug/ml



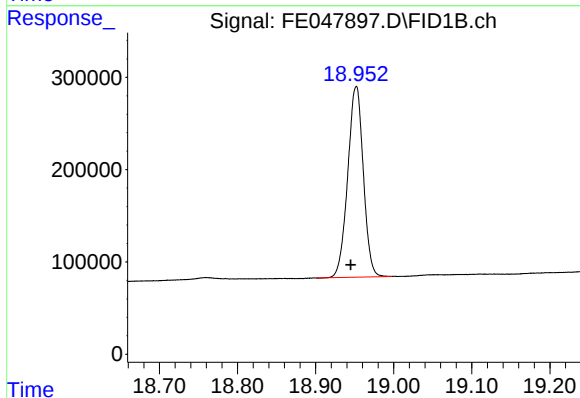
#17 n-Tricontane (C30)

R.T.: 18.119 min
Delta R.T.: 0.006 min
Response: 2873553
Conc: 20.82 ug/ml

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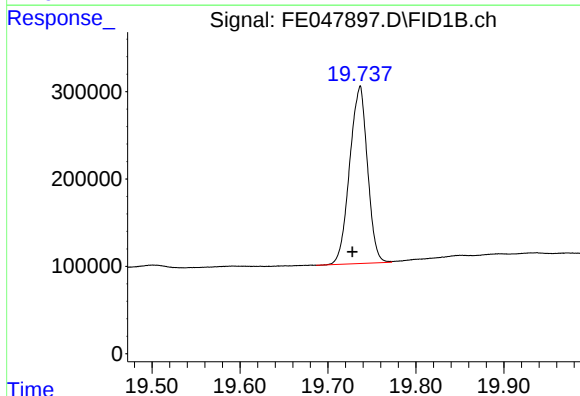
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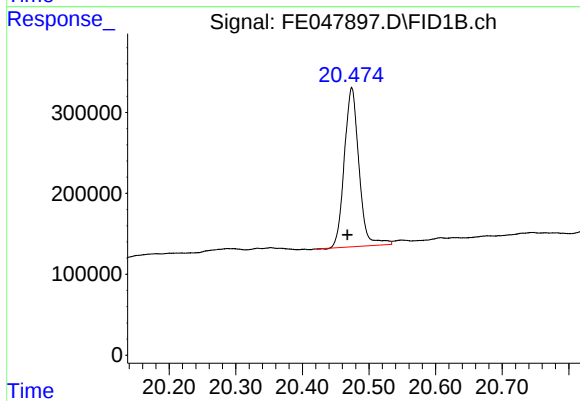
#18 n-Dotriacontane (C32)

R.T.: 18.952 min
Delta R.T.: 0.007 min
Response: 2864103
Conc: 20.74 ug/ml



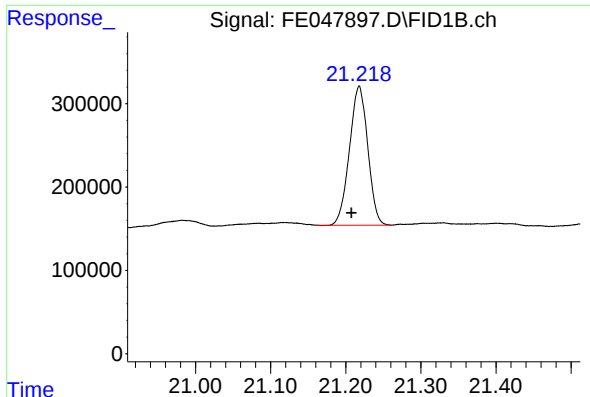
#19 n-Tetratriacontane (C34)

R.T.: 19.737 min
Delta R.T.: 0.009 min
Response: 2857158
Conc: 20.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.474 min
Delta R.T.: 0.007 min
Response: 3002216
Conc: 22.17 ug/ml



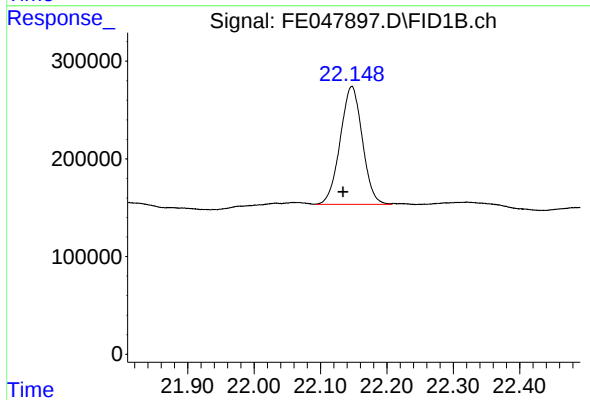
#21 n-Octatriacontane (C38)

R.T.: 21.218 min
Delta R.T.: 0.010 min
Response: 2825990
Conc: 20.47 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.148 min
Delta R.T.: 0.014 min
Response: 2795278
Conc: 20.06 ug/ml m