

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081424AL\
 Data File : FE049606.D
 Signal(s) : FID1B.ch
 Acq On : 14 Aug 2024 20:37
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD CCC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD CCC

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :Ankita Jodhani 08/15/2024

Integration File: autoint1.e
 Quant Time: Aug 15 00:32:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.887	3344356	20.681 ug/ml
Spiked Amount 50.000		Recovery =	41.36%
12) S 1-chlorooctadecane (S...	13.322	2545091	20.860 ug/ml
Spiked Amount 50.000		Recovery =	41.72%
Target Compounds			
1) T n-Nonane (C9)	3.277	3064657	19.803 ug/ml
2) T n-Decane (C10)	4.527	3220799	20.399 ug/mlm
3) T A~Naphthalene (C11.7)	6.234	3310693	20.633 ug/ml
4) T n-Dodecane (C12)	6.695	3244372	20.637 ug/ml
5) T A~2-methylnaphthalene...	7.330	3122218	20.849 ug/ml
6) T n-Tetradecane (C14)	8.521	3195093	20.696 ug/ml
7) T n-Hexadecane (C16)	10.128	3247255	20.792 ug/ml
8) T n-Octadecane (C18)	11.570	3258386	20.747 ug/ml
10) T n-Eicosane (C20)	12.877	3092325	20.711 ug/ml
11) T n-Heneicosane (C21)	13.489	3037249	20.704 ug/ml
13) T n-Docosane (C22)	14.074	3008197	20.639 ug/ml
14) T n-Tetracosane (C24)	15.176	3018539	20.751 ug/ml
15) T n-Hexacosane (C26)	16.197	2982827	20.667 ug/mlm
16) T n-Octacosane (C28)	17.144	3032362	21.052 ug/ml
17) T n-Tricontane (C30)	18.031	3248980	21.703 ug/ml
18) T n-Dotriacontane (C32)	18.862	3307559	21.863 ug/ml
19) T n-Tetratriacontane (C34)	19.646	3292769	21.538 ug/ml
20) T n-Hexatriacontane (C36)	20.384	3244489	21.366 ug/ml
21) T n-Octatriacontane (C38)	21.109	3205576	20.424 ug/mlm
22) T n-Tetracontane (C40)	22.007	2996208	19.624 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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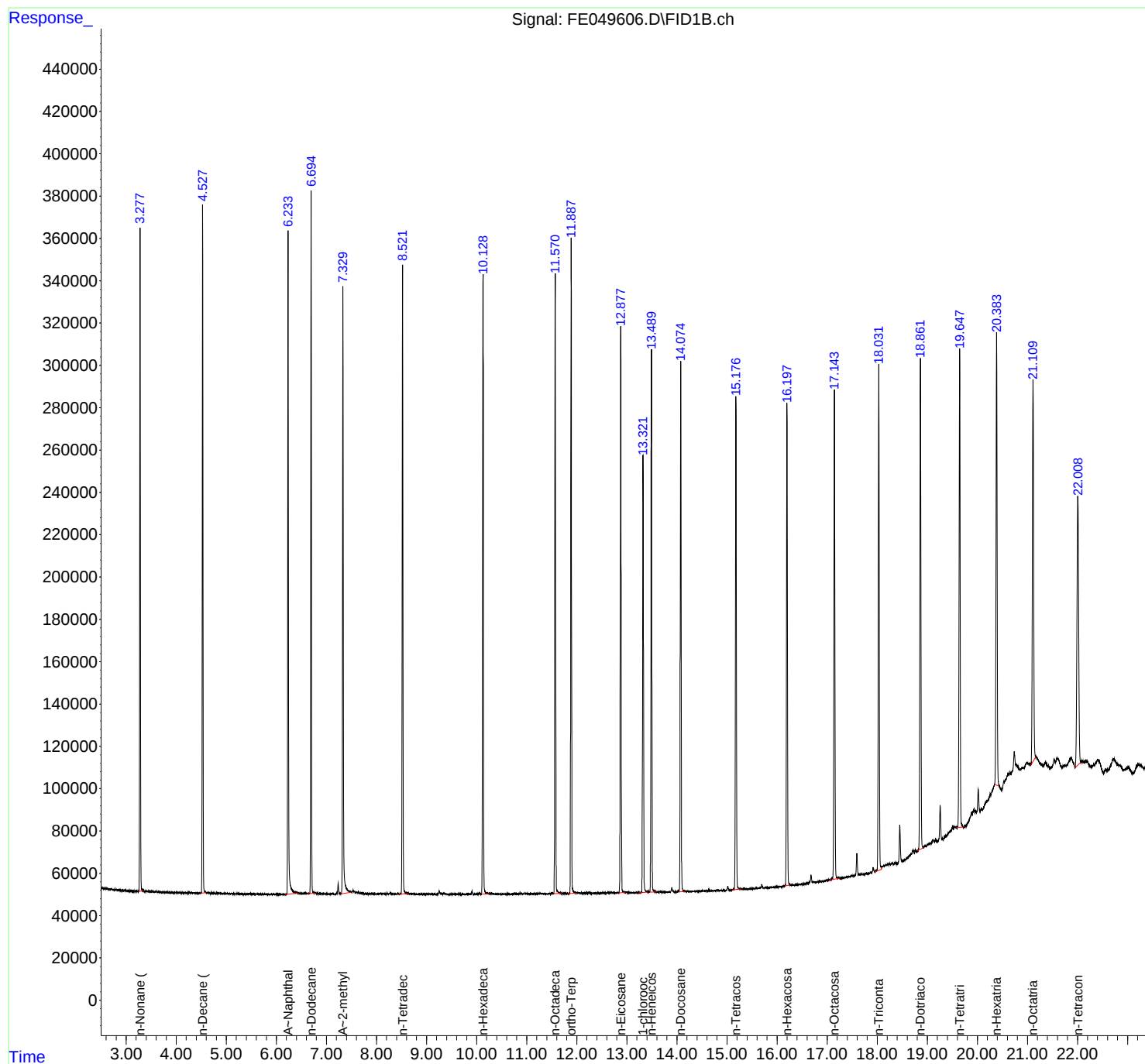
Instrument :
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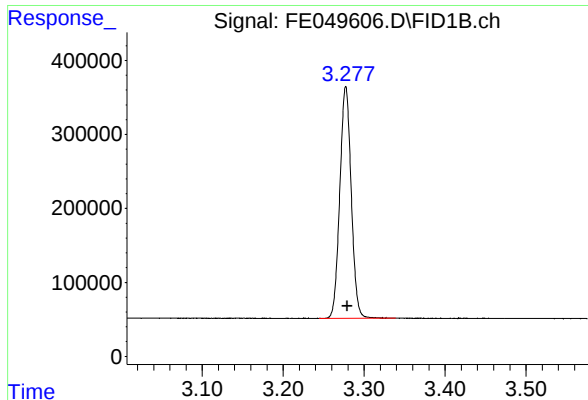
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#1 n-Nonane (C9)

R.T.: 3.277 min
Delta R.T.: -0.002 min
Response: 3064657
Conc: 19.80 ug/ml

Instrument :

FID_E

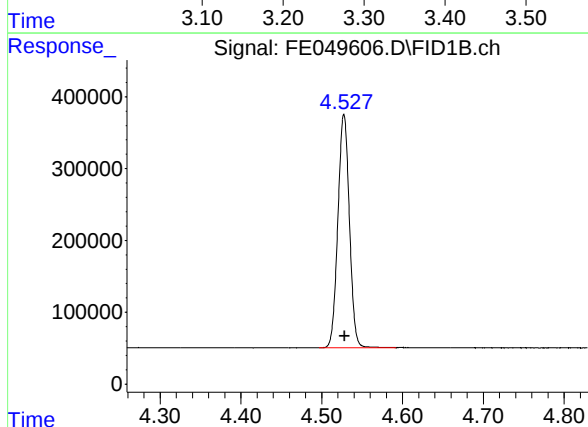
ClientSampleId :

20 PPM ALIPHATIC HC STD CCC

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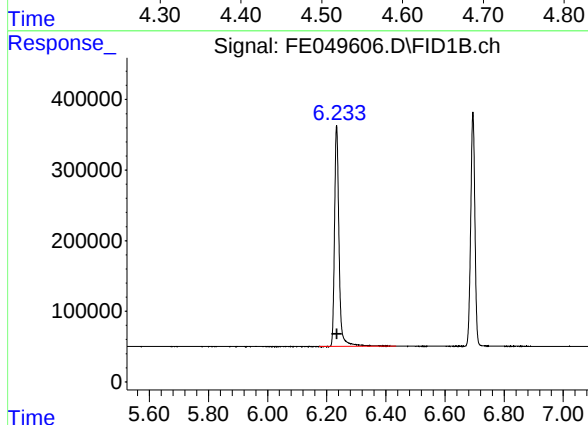
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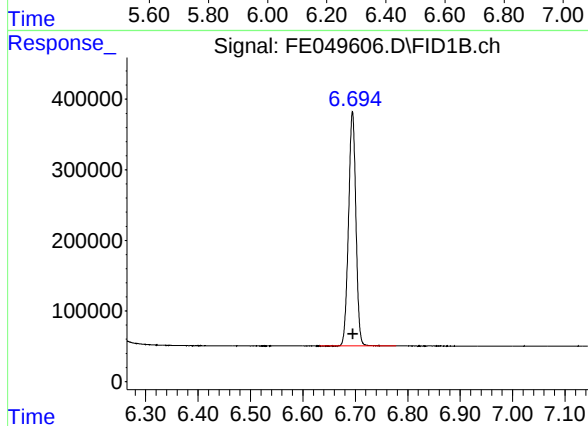
#2 n-Decane (C10)

R.T.: 4.527 min
Delta R.T.: -0.001 min
Response: 3220799
Conc: 20.40 ug/ml m



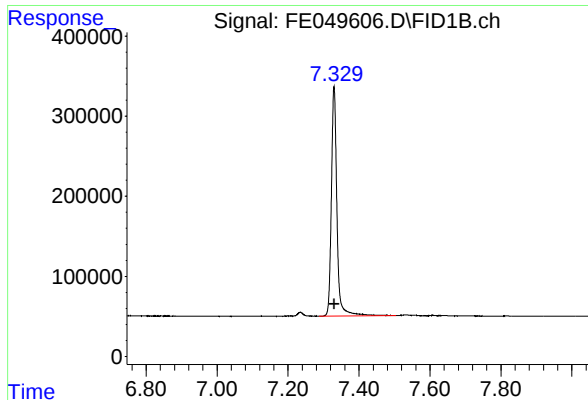
#3 A~Naphthalene (C11.7)

R.T.: 6.234 min
Delta R.T.: -0.001 min
Response: 3310693
Conc: 20.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.001 min
Response: 3244372
Conc: 20.64 ug/ml



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

R.T.: 7.330 min
Delta R.T.: 0.000 min
Response: 3122218
Conc: 20.85 ug/ml

Instrument :

FID_E

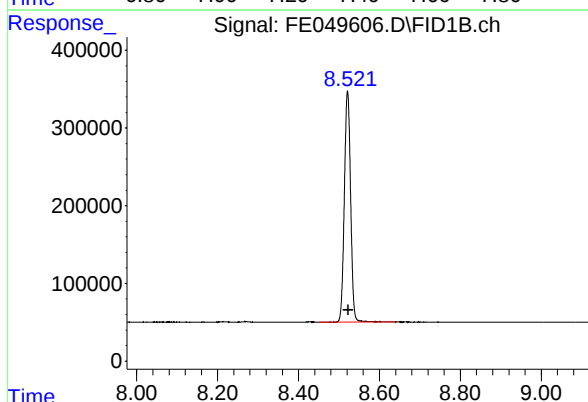
ClientSampleId :

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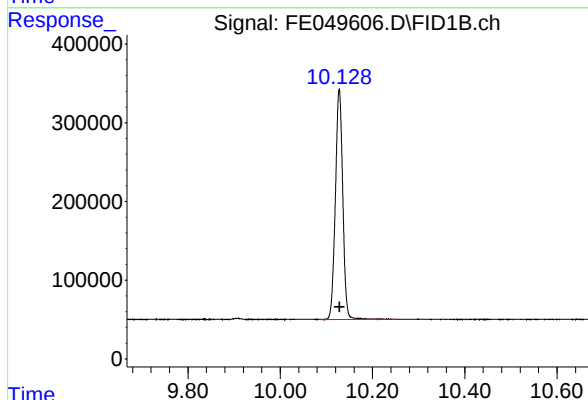
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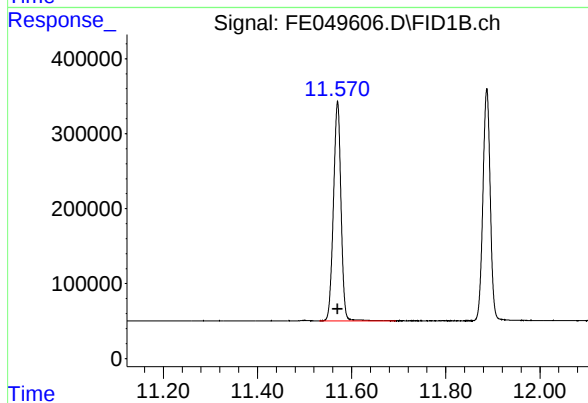
#6 n-Tetradecane (C14)

R.T.: 8.521 min
Delta R.T.: -0.001 min
Response: 3195093
Conc: 20.70 ug/ml



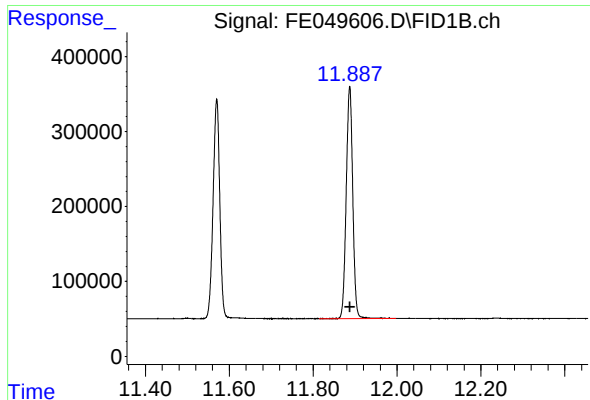
#7 n-Hexadecane (C16)

R.T.: 10.128 min
Delta R.T.: 0.000 min
Response: 3247255
Conc: 20.79 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: 0.000 min
Response: 3258386
Conc: 20.75 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.887 min
Delta R.T.: -0.001 min
Response: 3344356
Conc: 20.68 ug/ml

Instrument :

FID_E

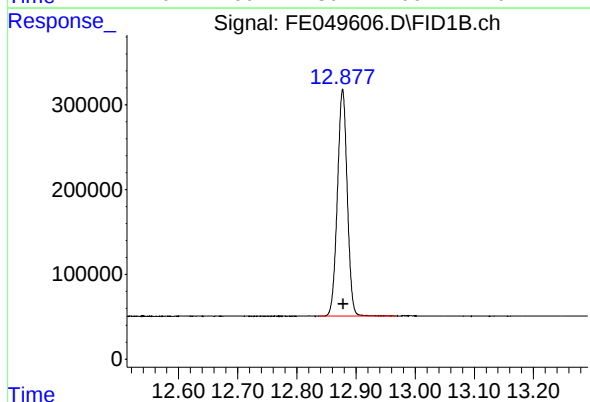
ClientSampleId :

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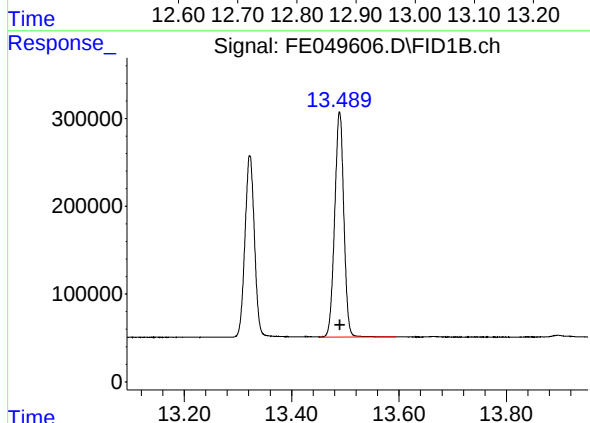
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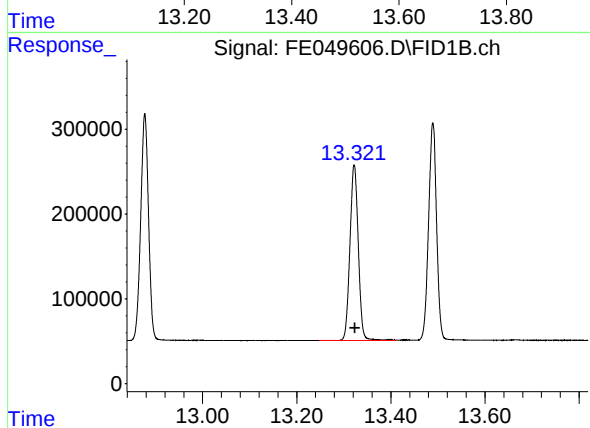
#10 n-Eicosane (C20)

R.T.: 12.877 min
Delta R.T.: -0.001 min
Response: 3092325
Conc: 20.71 ug/ml



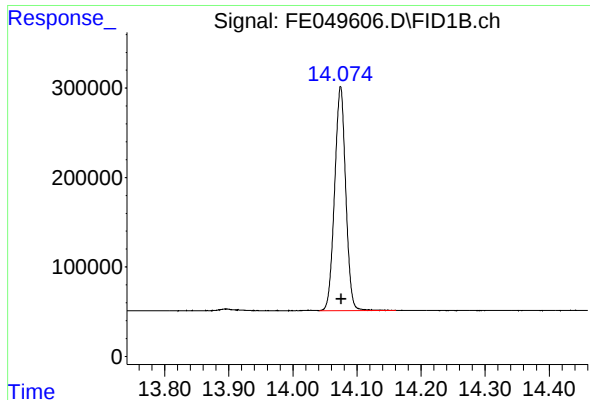
#11 n-Heneicosane (C21)

R.T.: 13.489 min
Delta R.T.: 0.000 min
Response: 3037249
Conc: 20.70 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.322 min
Delta R.T.: -0.001 min
Response: 2545091
Conc: 20.86 ug/ml



#13 n-Docosane (C22)

R.T.: 14.074 min
Delta R.T.: 0.000 min
Response: 3008197
Conc: 20.64 ug/ml

Instrument :

FID_E

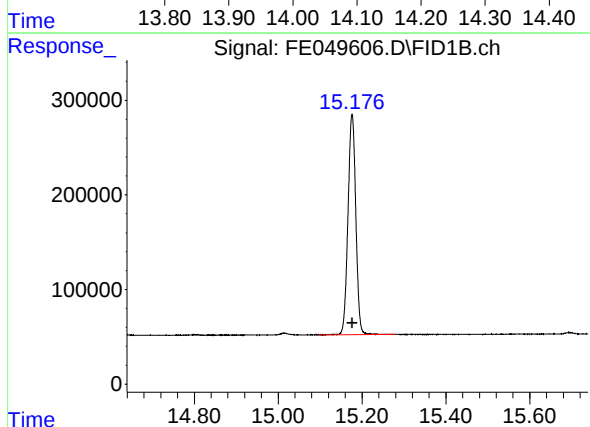
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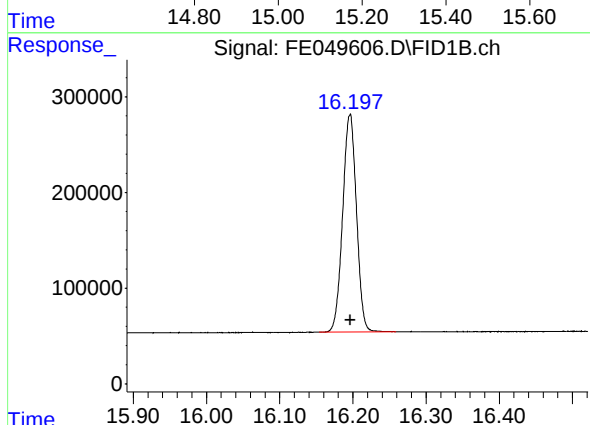
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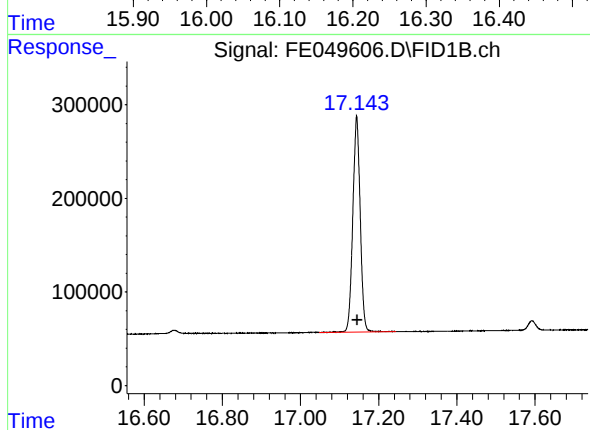
#14 n-Tetracosane (C24)

R.T.: 15.176 min
Delta R.T.: 0.000 min
Response: 3018539
Conc: 20.75 ug/ml



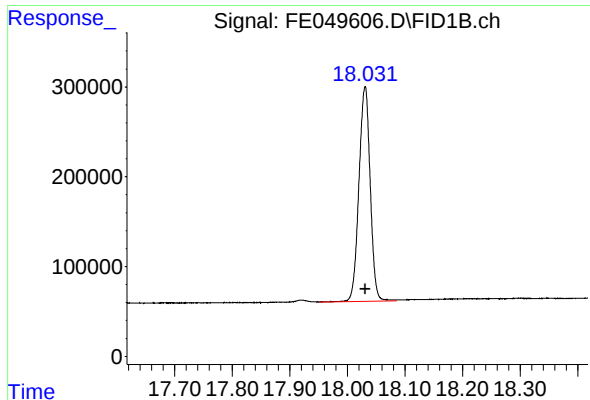
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: 0.000 min
Response: 2982827
Conc: 20.67 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.144 min
Delta R.T.: -0.001 min
Response: 3032362
Conc: 21.05 ug/ml



#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: 0.000 min
Response: 3248980
Conc: 21.70 ug/ml

Instrument :

FID_E

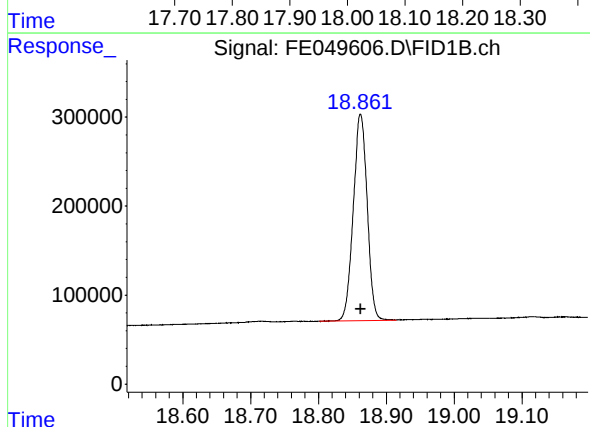
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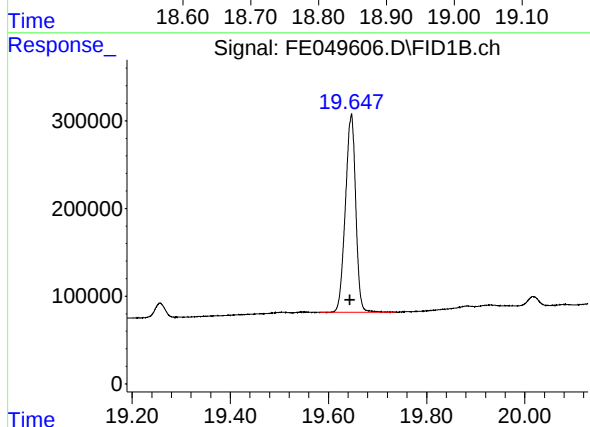
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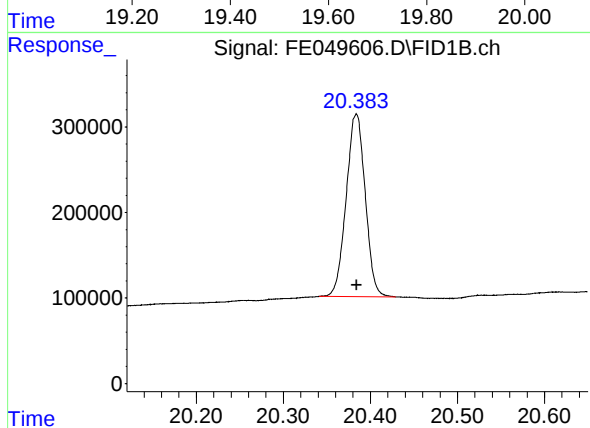
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: 0.000 min
Response: 3307559
Conc: 21.86 ug/ml



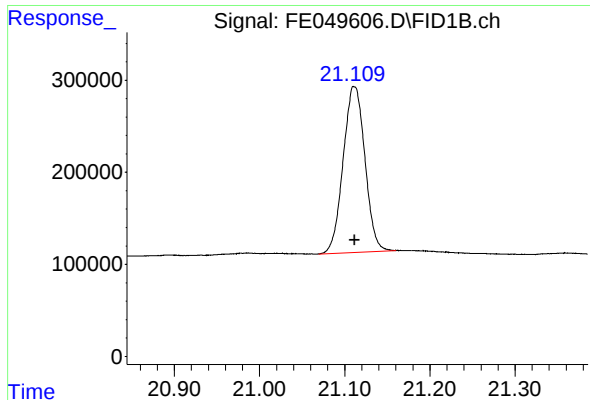
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: 0.002 min
Response: 3292769
Conc: 21.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.384 min
Delta R.T.: 0.000 min
Response: 3244489
Conc: 21.37 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.109 min
Delta R.T.: -0.002 min
Response: 3205576
Conc: 20.42 ug/ml

Instrument :

FID_E

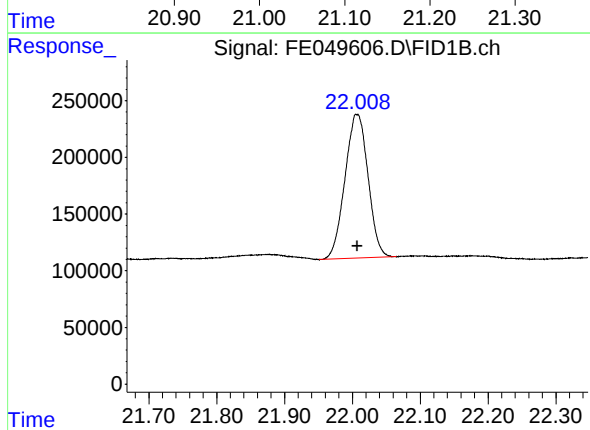
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#22 n-Tetracontane (C40)

R.T.: 22.007 min
Delta R.T.: 0.000 min
Response: 2996208
Conc: 19.62 ug/ml