

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054422.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 00:18
 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

Integration File: sample.E
 Quant Time: Jun 17 03:30:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 2025
 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)	11.826	3424085	20.722 ug/ml
Spiked Amount 50.000		Recovery =	41.44%
12) S 1-chlorooctadecane (S...	13.270	2579217	21.150 ug/ml
Spiked Amount 50.000		Recovery =	42.30%
Target Compounds			
1) T n-Nonane (C9)	3.175	2558211	20.601 ug/ml
2) T n-Decane (C10)	4.438	2580117	20.765 ug/ml
3) T A~Naphthalene (C11.7)	6.153	2798197	20.706 ug/ml
4) T n-Dodecane (C12)	6.620	2661150	20.899 ug/ml
5) T A~2-methylnaphthalene...	7.256	2859546	21.589 ug/ml
6) T n-Tetradecane (C14)	8.454	2601278	20.093 ug/ml
7) T n-Hexadecane (C16)	10.066	2717215	20.455 ug/ml
8) T n-Octadecane (C18)	11.513	2782179	20.604 ug/ml
10) T n-Eicosane (C20)	12.826	2797105	20.909 ug/ml
11) T n-Heneicosane (C21)	13.438	2811070	21.141 ug/ml
13) T n-Docosane (C22)	14.025	2840110	21.660 ug/ml
14) T n-Tetracosane (C24)	15.131	2939486	22.788 ug/ml
15) T n-Hexacosane (C26)	16.154	3193937	25.444 ug/ml
16) T n-Octacosane (C28)	17.105	3473404	28.324 ug/ml
17) T n-Tricontane (C30)	17.995	4172343	33.664 ug/ml
18) T n-Dotriacontane (C32)	18.828	5739118	45.677 ug/ml
19) T n-Tetratriacontane (C34)	19.614	13289610	106.824 ug/ml
20) T n-Hexatriacontane (C36)	20.354	19782378	153.672 ug/ml
21) T n-Octatriacontane (C38)	21.082	11192488	84.765 ug/ml
22) T n-Tetracontane (C40)	21.970	15707111	116.603 ug/ml

(f)=RT Delta > 1/2 Window

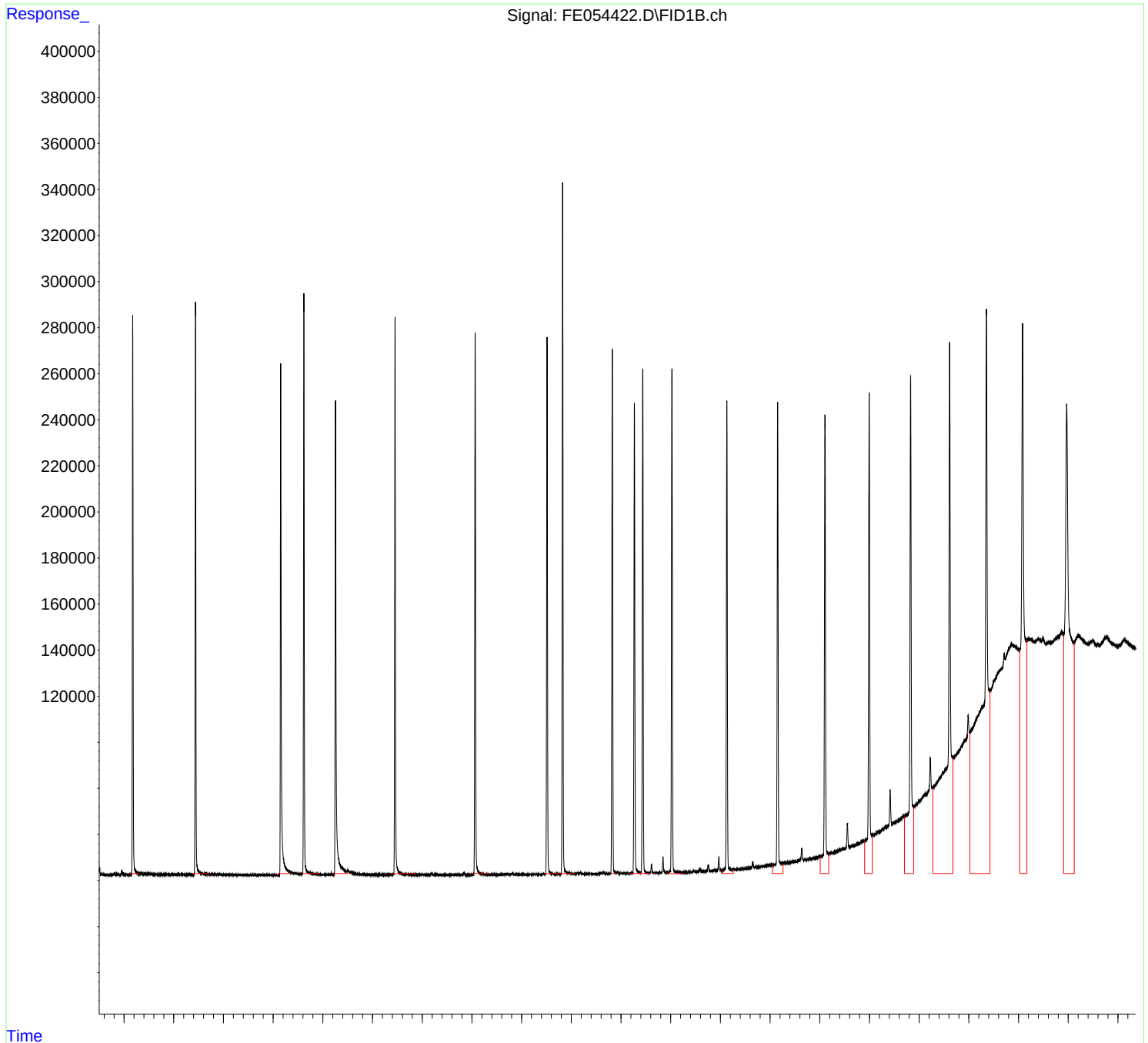
(m)=manual int.

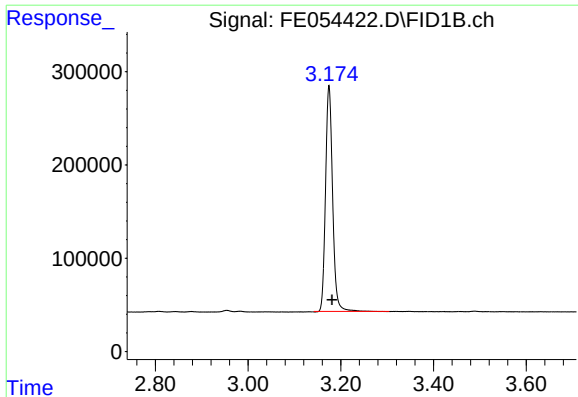
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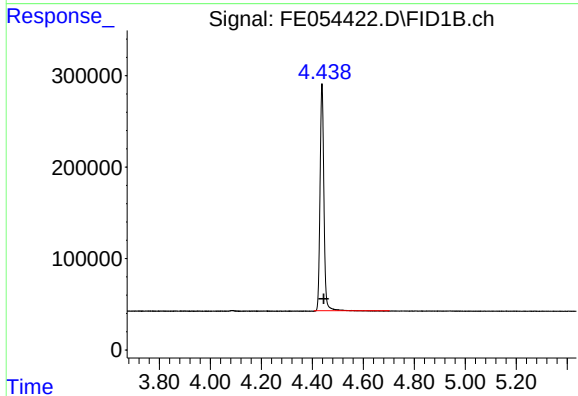




#1 n-Nonane (C9)

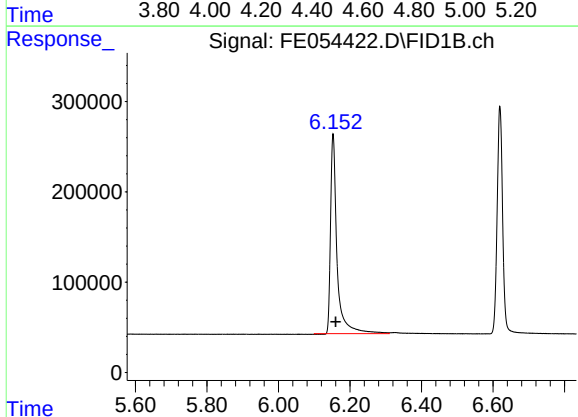
R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 2558211
Conc: 20.60 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



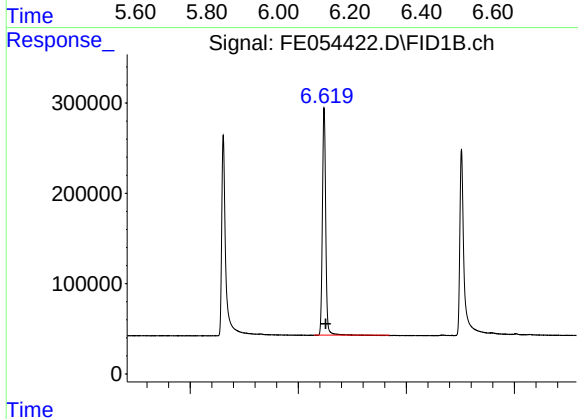
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 2580117
Conc: 20.76 ug/ml



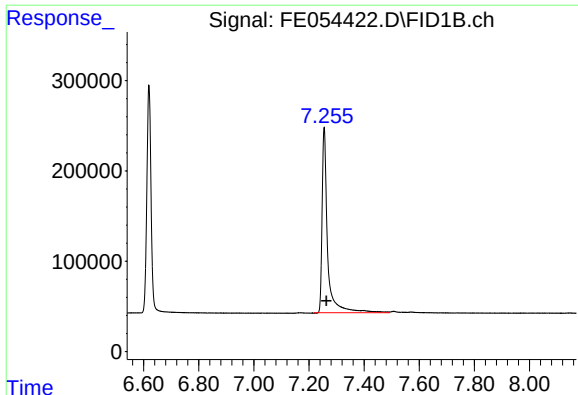
#3 A~Naphthalene (C11.7)

R.T.: 6.153 min
Delta R.T.: -0.007 min
Response: 2798197
Conc: 20.71 ug/ml



#4 n-Dodecane (C12)

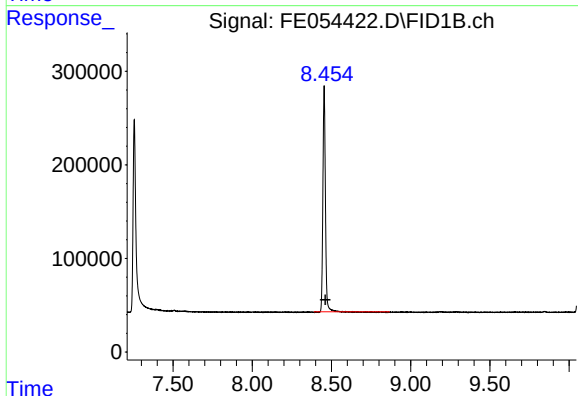
R.T.: 6.620 min
Delta R.T.: -0.007 min
Response: 2661150
Conc: 20.90 ug/ml



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

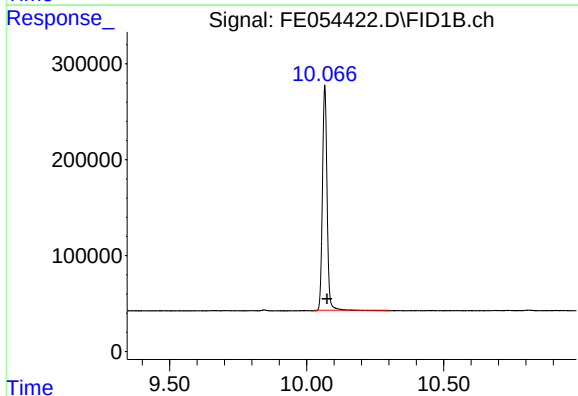
R.T.: 7.256 min
Delta R.T.: -0.007 min
Response: 2859546
Conc: 21.59 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



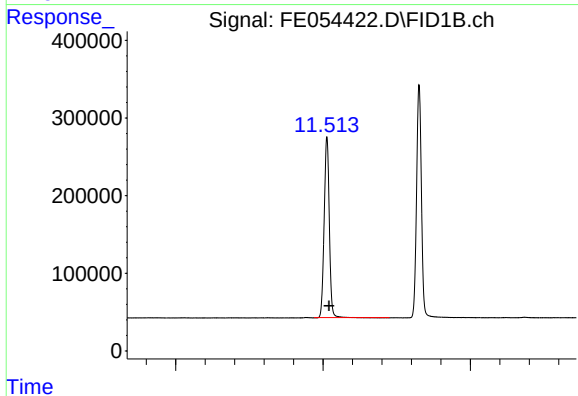
#6 n-Tetradecane (C14)

R.T.: 8.454 min
Delta R.T.: -0.008 min
Response: 2601278
Conc: 20.09 ug/ml



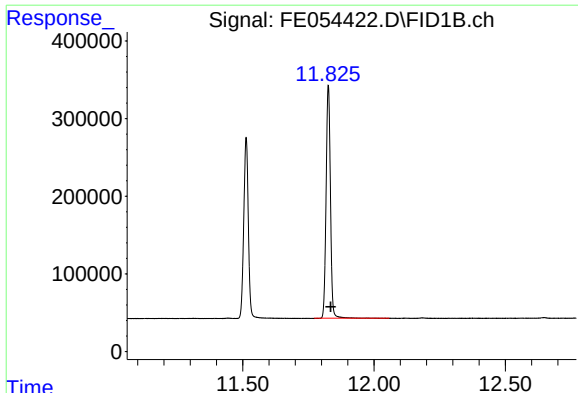
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.008 min
Response: 2717215
Conc: 20.45 ug/ml



#8 n-Octadecane (C18)

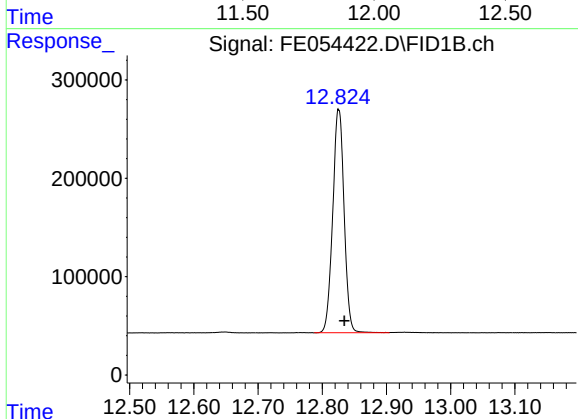
R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 2782179
Conc: 20.60 ug/ml



#9 ortho-Terphenyl (SURR)

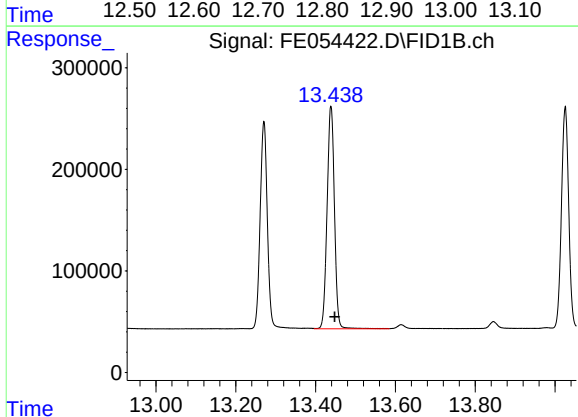
R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 3424085
Conc: 20.72 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD



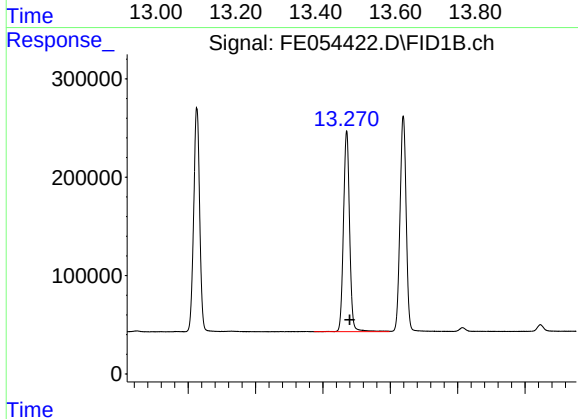
#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.009 min
Response: 2797105
Conc: 20.91 ug/ml



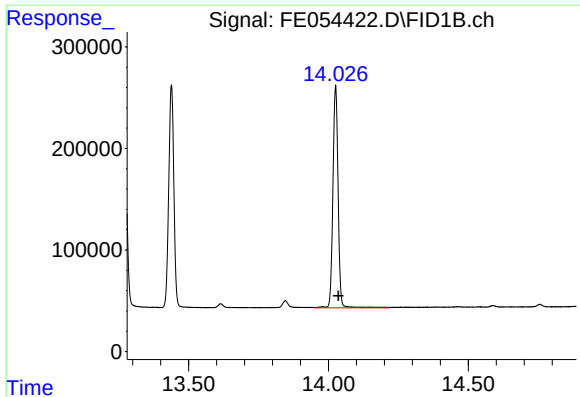
#11 n-Heneicosane (C21)

R.T.: 13.438 min
Delta R.T.: -0.009 min
Response: 2811070
Conc: 21.14 ug/ml



#12 1-chlorooctadecane (SURR)

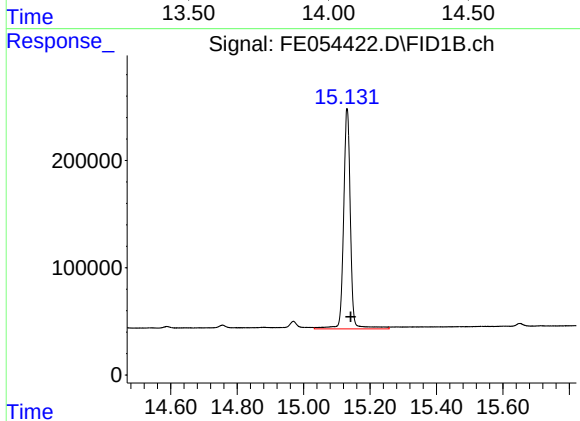
R.T.: 13.270 min
Delta R.T.: -0.009 min
Response: 2579217
Conc: 21.15 ug/ml



#13 n-Docosane (C22)

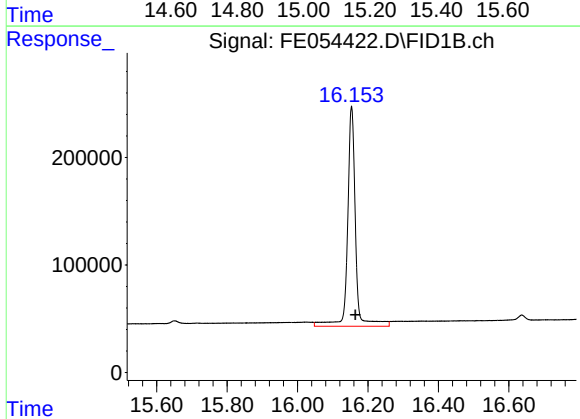
R.T.: 14.025 min
Delta R.T.: -0.010 min
Response: 2840110
Conc: 21.66 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD



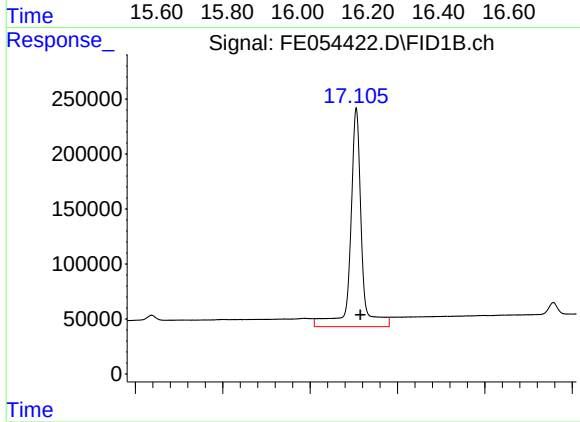
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.010 min
Response: 2939486
Conc: 22.79 ug/ml



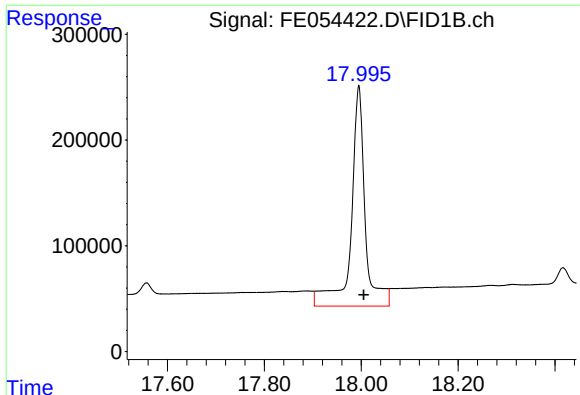
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.010 min
Response: 3193937
Conc: 25.44 ug/ml



#16 n-Octacosane (C28)

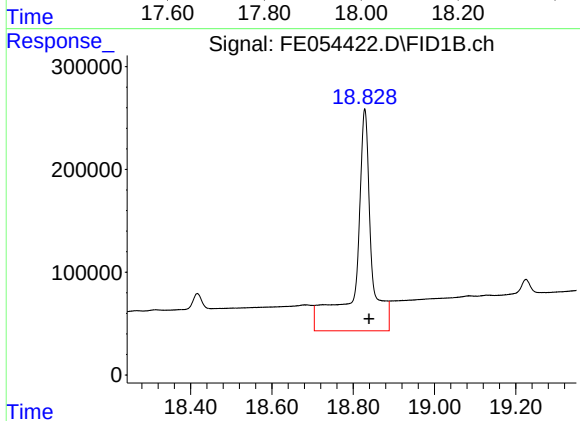
R.T.: 17.105 min
Delta R.T.: -0.010 min
Response: 3473404
Conc: 28.32 ug/ml



#17 n-Tricontane (C30)

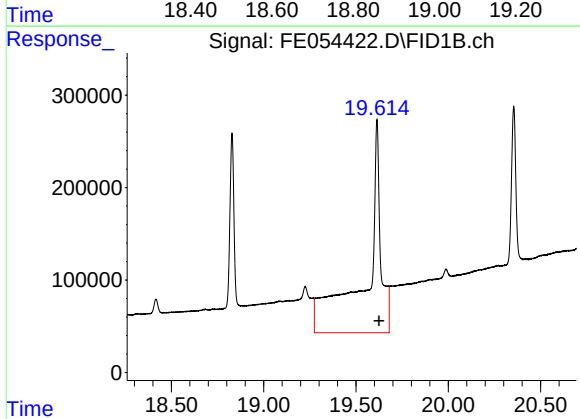
R.T.: 17.995 min
Delta R.T.: -0.011 min
Response: 4172343
Conc: 33.66 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD



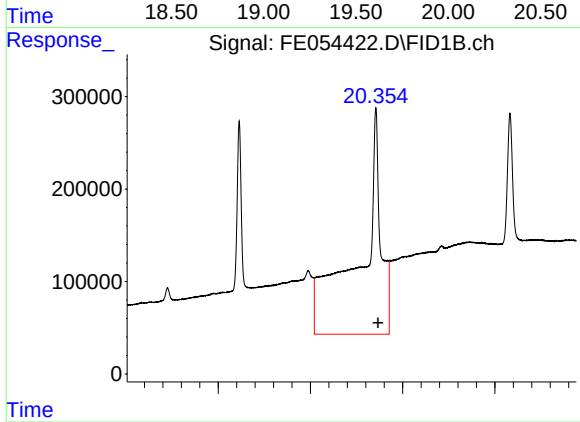
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: -0.010 min
Response: 5739118
Conc: 45.68 ug/ml



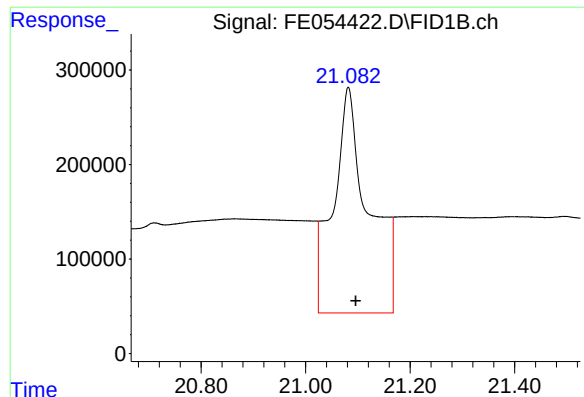
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.011 min
Response: 13289610
Conc: 106.82 ug/ml



#20 n-Hexatriacontane (C36)

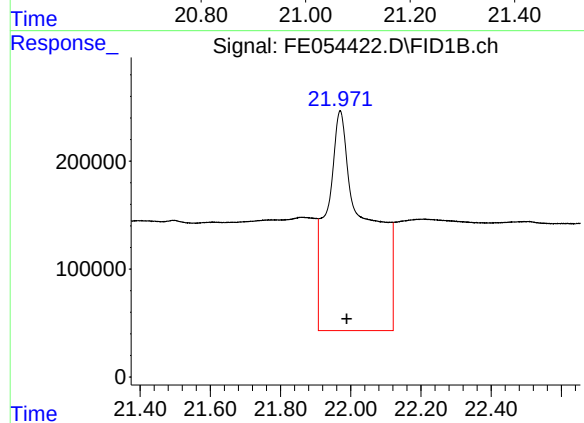
R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 19782378
Conc: 153.67 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 11192488
Conc: 84.76 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.018 min
Response: 15707111
Conc: 116.60 ug/ml