

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE083024AL\
 Data File : FE049820.D
 Signal(s) : FID1B.ch
 Acq On : 29 Aug 2024 13:03
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/03/2024
 Supervised By :Ankita Jodhani 09/03/2024

Integration File: autoint1.e
 Quant Time: Aug 31 01:30:00 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)	11.881	2689171	16.629 ug/ml
Spiked Amount 50.000		Recovery =	33.26%
12) S 1-chlorooctadecane (S...	13.316	2035451	16.683 ug/ml
Spiked Amount 50.000		Recovery =	33.37%
Target Compounds			
1) T n-Nonane (C9)	3.270	2510723	16.224 ug/ml
2) T n-Decane (C10)	4.520	2557887	16.200 ug/mlm
3) T A~Naphthalene (C11.7)	6.228	2603667	16.227 ug/ml
4) T n-Dodecane (C12)	6.688	2578908	16.404 ug/ml
5) T A~2-methylnaphthalene...	7.324	2461249	16.435 ug/ml
6) T n-Tetradecane (C14)	8.514	2538121	16.441 ug/ml
7) T n-Hexadecane (C16)	10.120	2590962	16.589 ug/ml
8) T n-Octadecane (C18)	11.562	2619932	16.682 ug/ml
10) T n-Eicosane (C20)	12.871	2505262	16.779 ug/ml
11) T n-Heneicosane (C21)	13.482	2449089	16.695 ug/ml
13) T n-Docosane (C22)	14.067	2433123	16.694 ug/ml
14) T n-Tetracosane (C24)	15.168	2515120	17.290 ug/ml
15) T n-Hexacosane (C26)	16.188	2500195	17.323 ug/ml
16) T n-Octacosane (C28)	17.137	2580294	17.914 ug/ml
17) T n-Tricontane (C30)	18.024	2748183	18.357 ug/ml
18) T n-Dotriacontane (C32)	18.853	2817750	18.626 ug/ml
19) T n-Tetratriacontane (C34)	19.636	2773549	18.142 ug/ml
20) T n-Hexatriacontane (C36)	20.375	2640075	17.386 ug/ml
21) T n-Octatriacontane (C38)	21.103	2610081	16.630 ug/ml
22) T n-Tetracontane (C40)	21.994	2473611	16.201 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 3 Sample Multiplier: 1

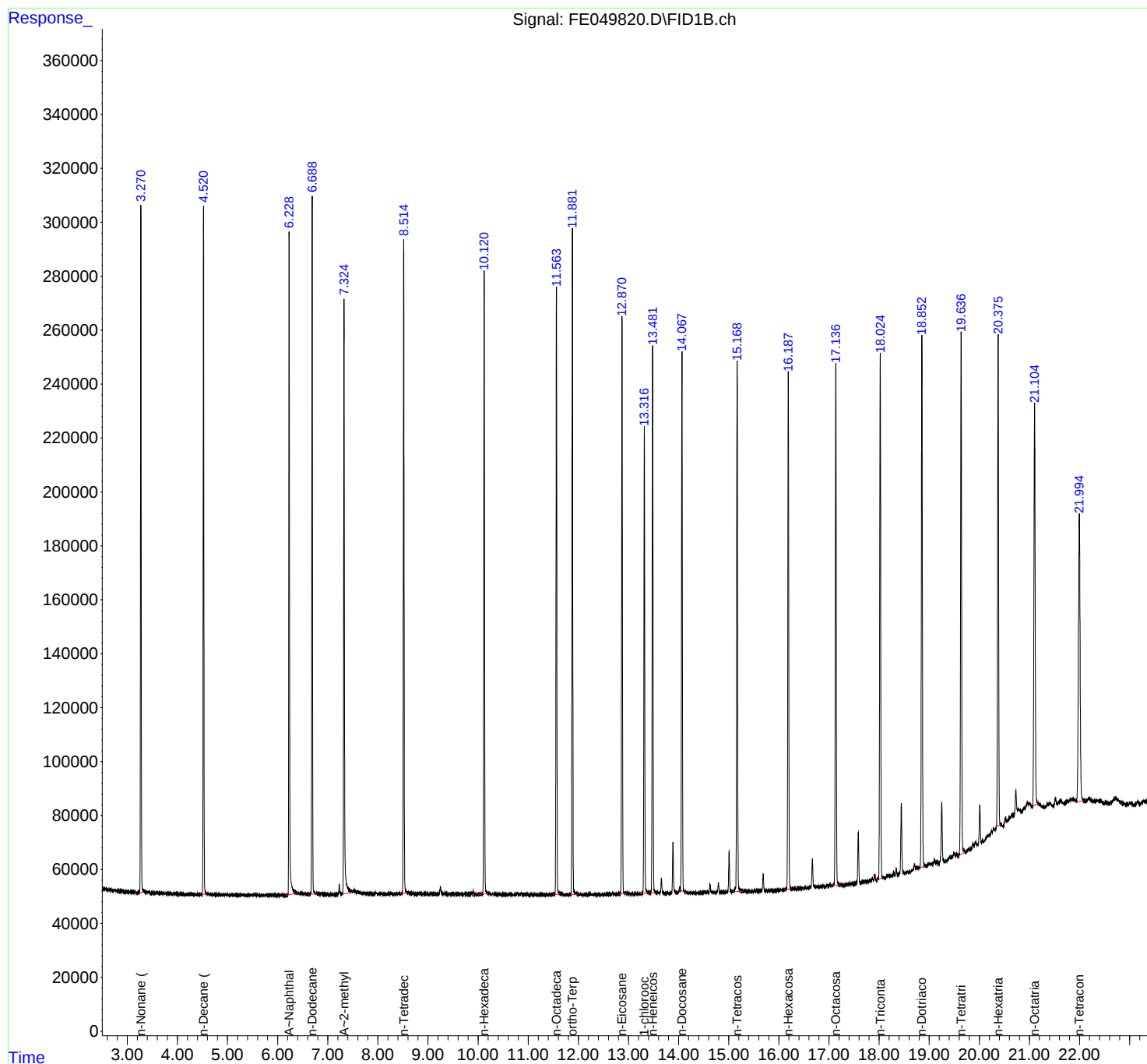
Instrument :
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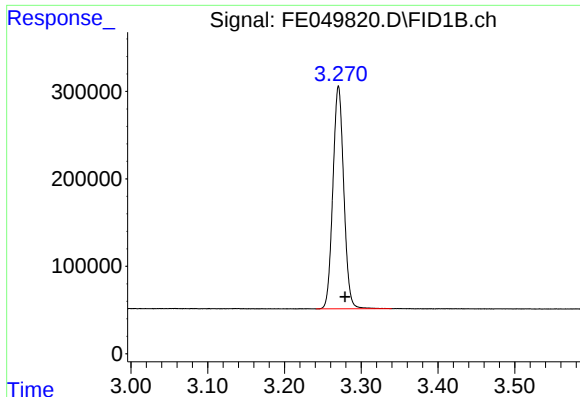
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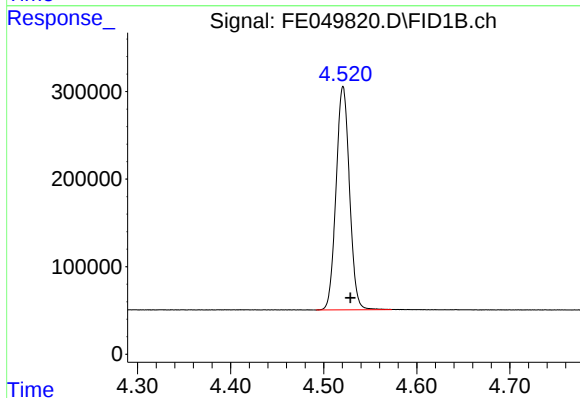
#1 n-Nonane (C9)

R.T.: 3.270 min
Delta R.T.: -0.009 min
Response: 2510723
Conc: 16.22 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

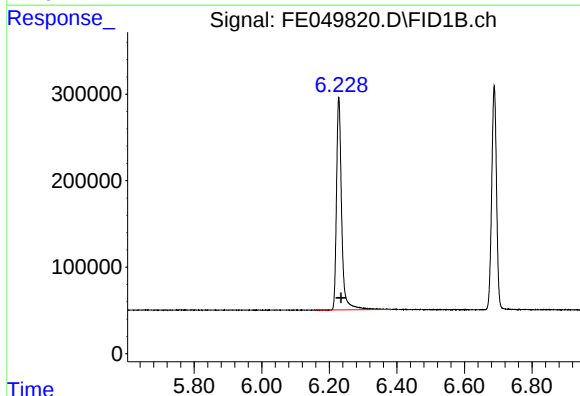
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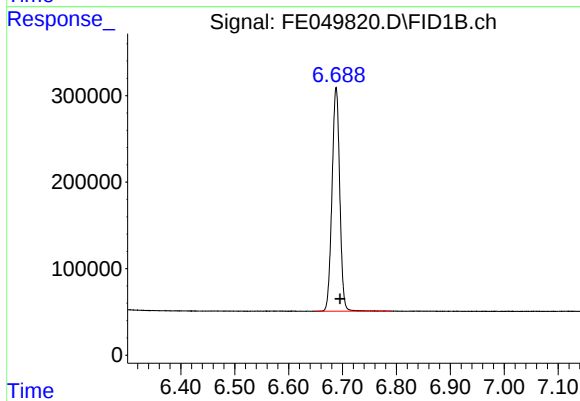
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.008 min
Response: 2557887
Conc: 16.20 ug/ml m



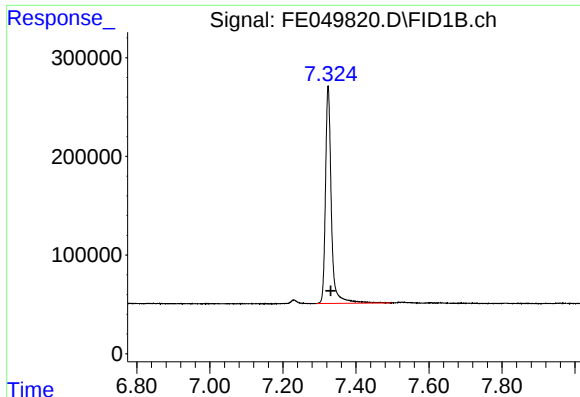
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.007 min
Response: 2603667
Conc: 16.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.688 min
Delta R.T.: -0.008 min
Response: 2578908
Conc: 16.40 ug/ml



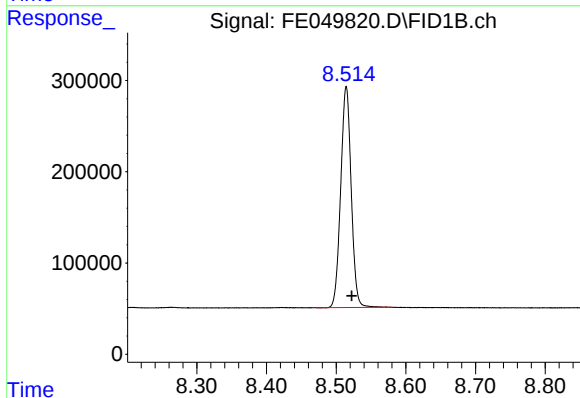
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.324 min
Delta R.T.: -0.007 min
Response: 2461249
Conc: 16.44 ug/ml

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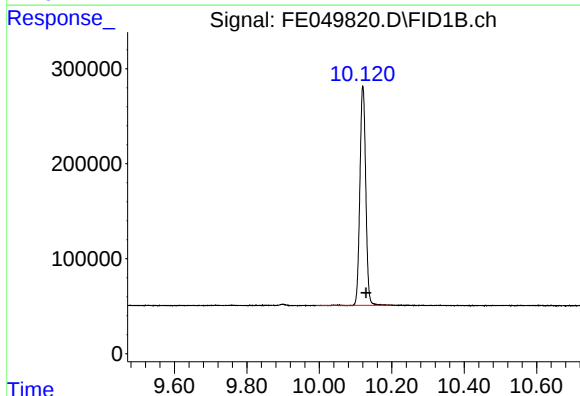
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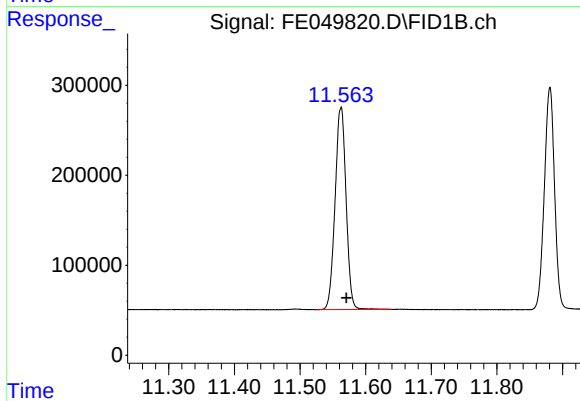
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: -0.008 min
Response: 2538121
Conc: 16.44 ug/ml



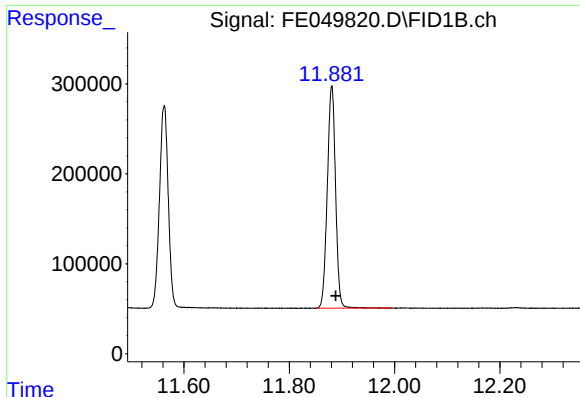
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: -0.009 min
Response: 2590962
Conc: 16.59 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.562 min
Delta R.T.: -0.008 min
Response: 2619932
Conc: 16.68 ug/ml



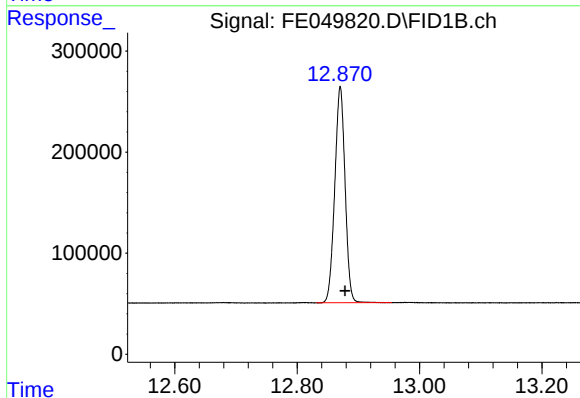
#9 ortho-Terphenyl (SURR)

R.T.: 11.881 min
Delta R.T.: -0.008 min
Response: 2689171
Conc: 16.63 ug/ml

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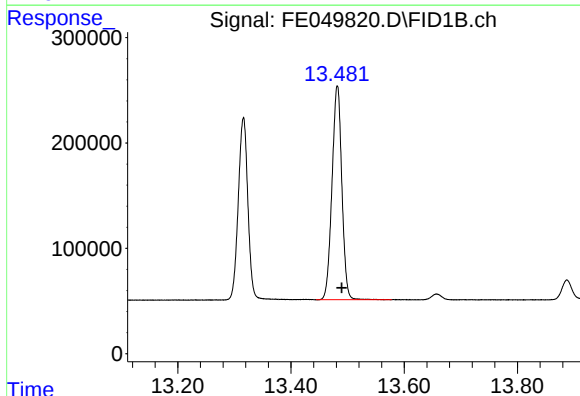
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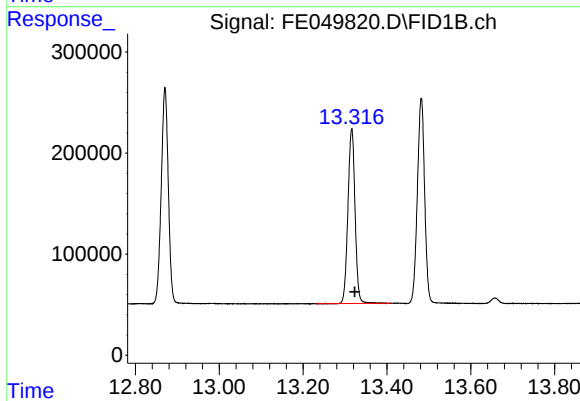
#10 n-Eicosane (C20)

R.T.: 12.871 min
Delta R.T.: -0.008 min
Response: 2505262
Conc: 16.78 ug/ml



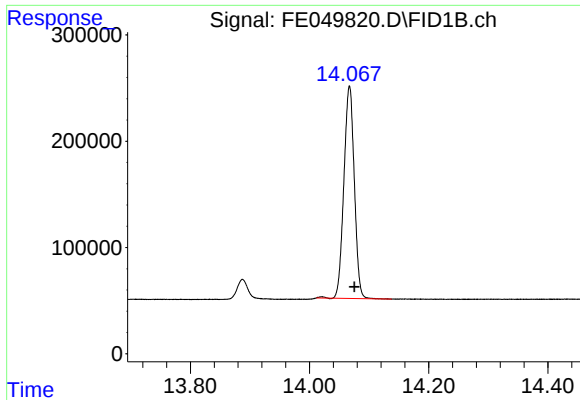
#11 n-Heneicosane (C21)

R.T.: 13.482 min
Delta R.T.: -0.008 min
Response: 2449089
Conc: 16.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.008 min
Response: 2035451
Conc: 16.68 ug/ml



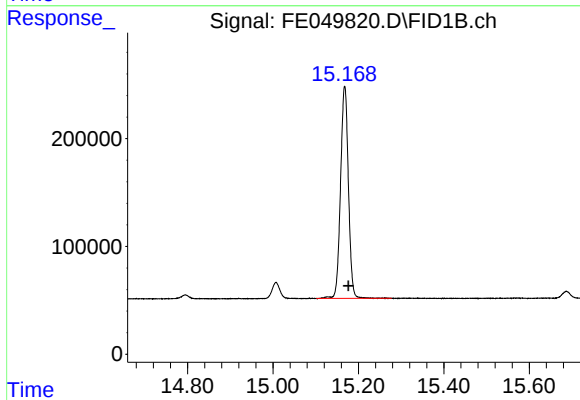
#13 n-Docosane (C22)

R.T.: 14.067 min
Delta R.T.: -0.008 min
Response: 2433123
Conc: 16.69 ug/ml

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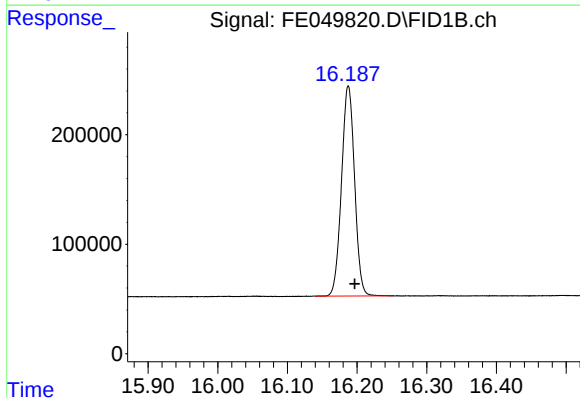
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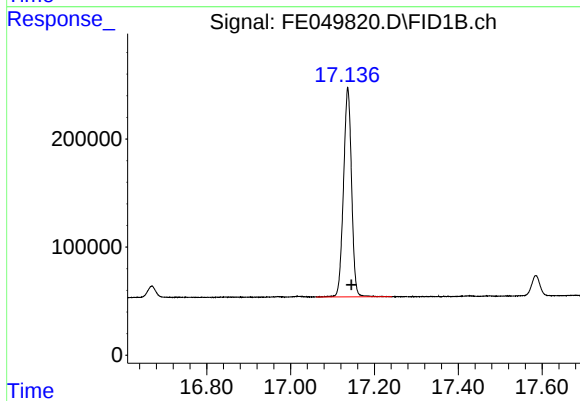
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: -0.009 min
Response: 2515120
Conc: 17.29 ug/ml



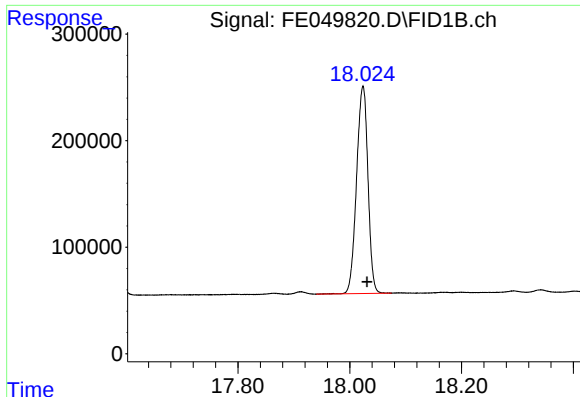
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: -0.009 min
Response: 2500195
Conc: 17.32 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.137 min
Delta R.T.: -0.008 min
Response: 2580294
Conc: 17.91 ug/ml



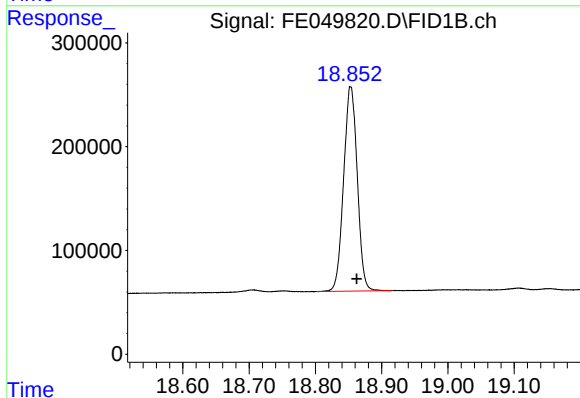
#17 n-Tricontane (C30)

R.T.: 18.024 min
Delta R.T.: -0.007 min
Response: 2748183
Conc: 18.36 ug/ml

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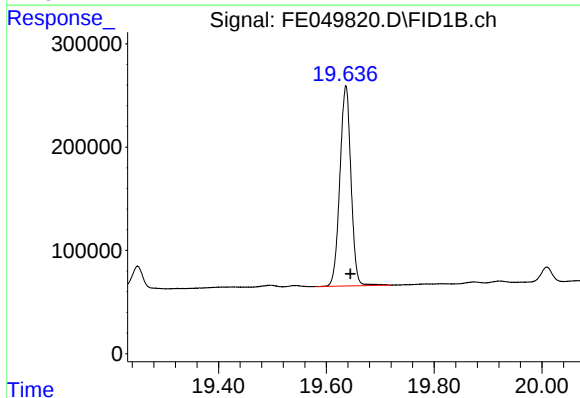
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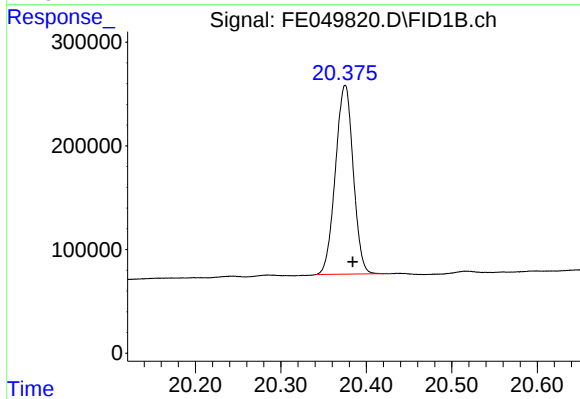
#18 n-Dotriacontane (C32)

R.T.: 18.853 min
Delta R.T.: -0.009 min
Response: 2817750
Conc: 18.63 ug/ml



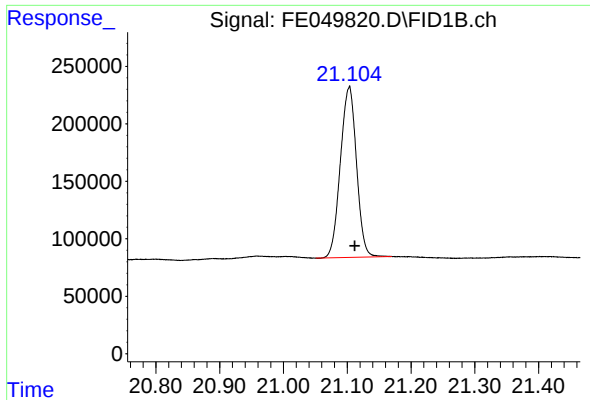
#19 n-Tetratriacontane (C34)

R.T.: 19.636 min
Delta R.T.: -0.008 min
Response: 2773549
Conc: 18.14 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.375 min
Delta R.T.: -0.009 min
Response: 2640075
Conc: 17.39 ug/ml



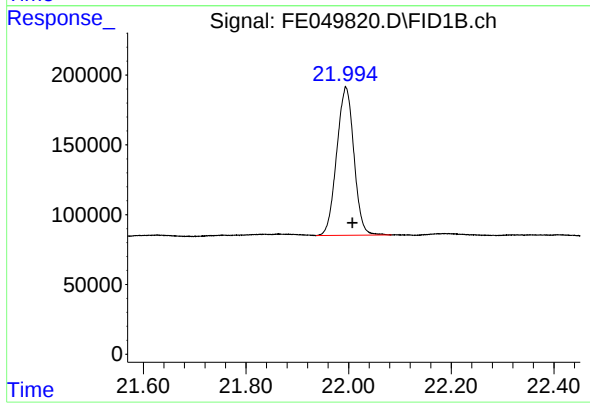
#21 n-Octatriacontane (C38)

R.T.: 21.103 min
Delta R.T.: -0.009 min
Response: 2610081
Conc: 16.63 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.014 min
Response: 2473611
Conc: 16.20 ug/ml m