

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE093024AL\
 Data File : FE050433.D
 Signal(s) : FID1B.ch
 Acq On : 30 Sep 2024 13:30
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :Ankita Jodhani 10/01/2024

Integration File: autoint1.e
 Quant Time: Oct 01 02:05:29 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)	11.866	2533425	17.028 ug/ml
Spiked Amount 50.000		Recovery =	34.06%
12) S 1-chlorooctadecane (S...	13.300	1920091	17.094 ug/ml
Spiked Amount 50.000		Recovery =	34.19%
Target Compounds			
1) T n-Nonane (C9)	3.254	2260996	16.681 ug/ml
2) T n-Decane (C10)	4.505	2356140	17.072 ug/ml
3) T A~Naphthalene (C11.7)	6.215	2376328	16.978 ug/ml
4) T n-Dodecane (C12)	6.672	2366264	17.112 ug/mlm
5) T A~2-methylnaphthalene...	7.312	2214064	16.845 ug/ml
6) T n-Tetradecane (C14)	8.499	2348503	17.247 ug/ml
7) T n-Hexadecane (C16)	10.105	2433519	17.520 ug/ml
8) T n-Octadecane (C18)	11.547	2467870	17.615 ug/ml
10) T n-Eicosane (C20)	12.854	2373598	17.694 ug/mlm
11) T n-Heneicosane (C21)	13.466	2322058	17.672 ug/ml
13) T n-Docosane (C22)	14.051	2319928	17.816 ug/ml
14) T n-Tetracosane (C24)	15.153	2357558	18.053 ug/ml
15) T n-Hexacosane (C26)	16.172	2336160	18.260 ug/ml
16) T n-Octacosane (C28)	17.121	2460824	19.104 ug/ml
17) T n-Tricontane (C30)	18.007	2708851	20.257 ug/ml
18) T n-Dotriacontane (C32)	18.838	2811625	21.099 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2790239	22.582 ug/ml
20) T n-Hexatriacontane (C36)	20.359	2594572	23.385 ug/ml
21) T n-Octatriacontane (C38)	21.084	2497251	22.645 ug/mlm
22) T n-Tetracontane (C40)	21.971	2197475	20.195 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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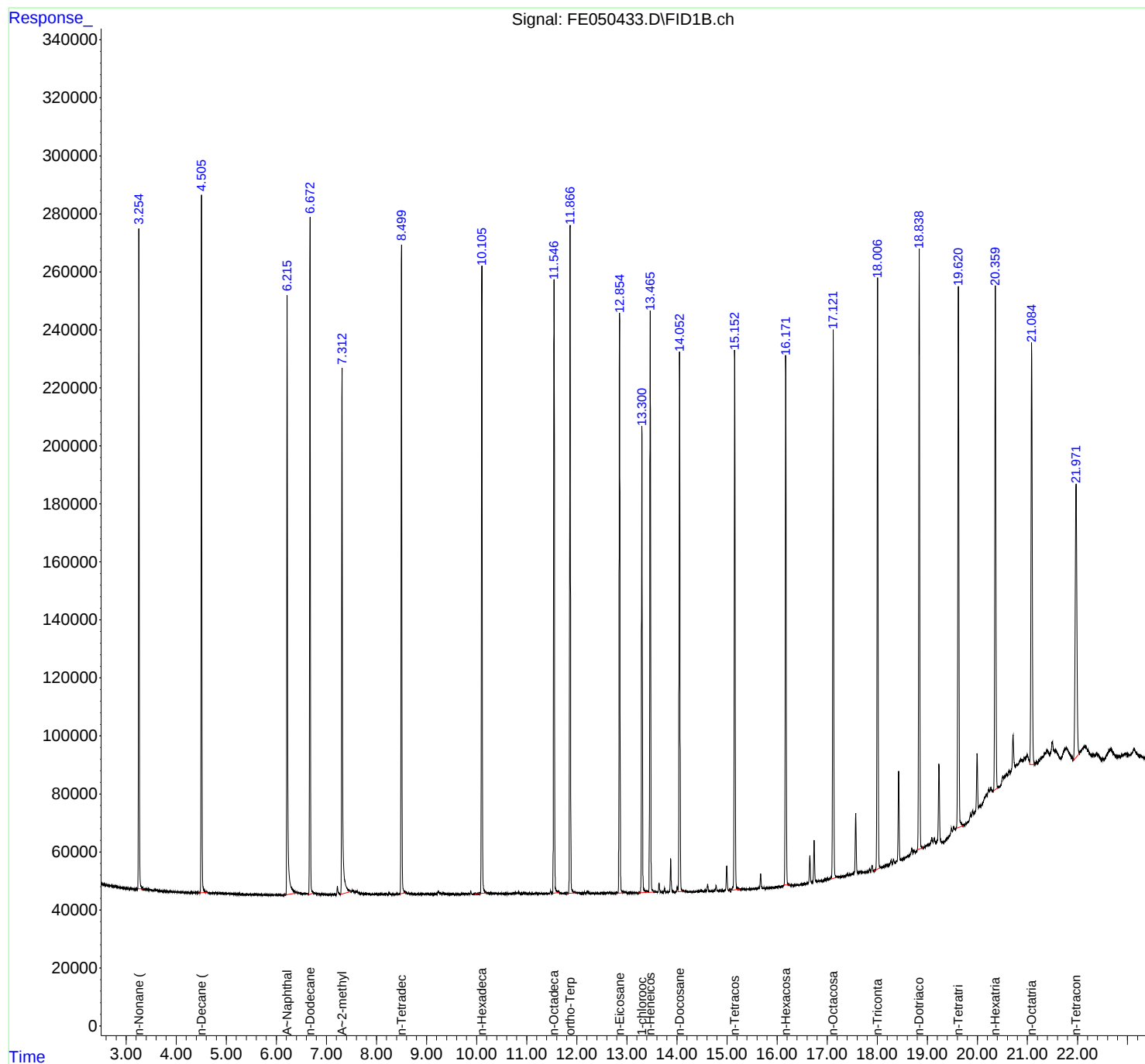
Instrument :
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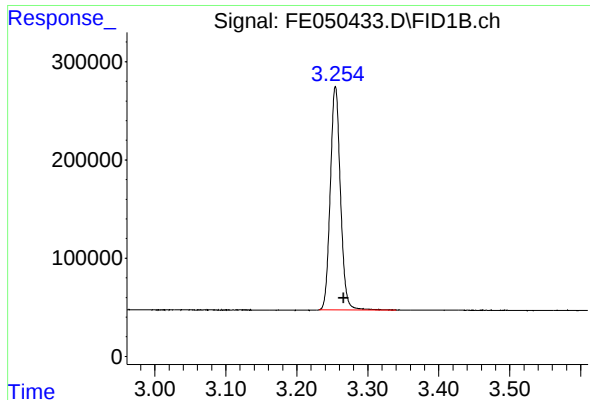
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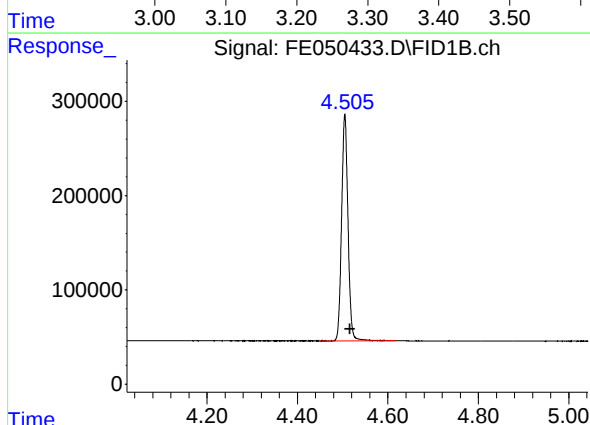
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: -0.012 min
Response: 2260996
Conc: 16.68 ug/ml

Instrument : FID_E
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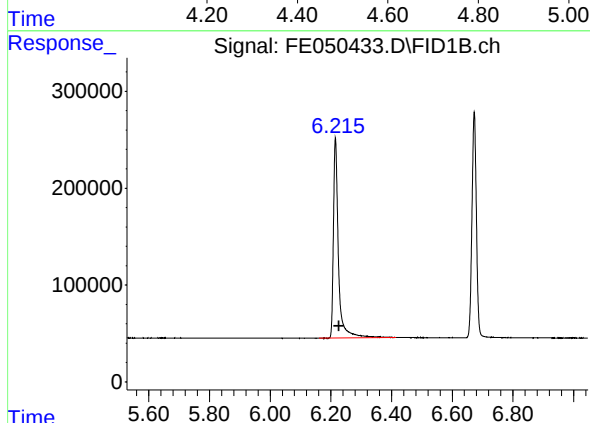
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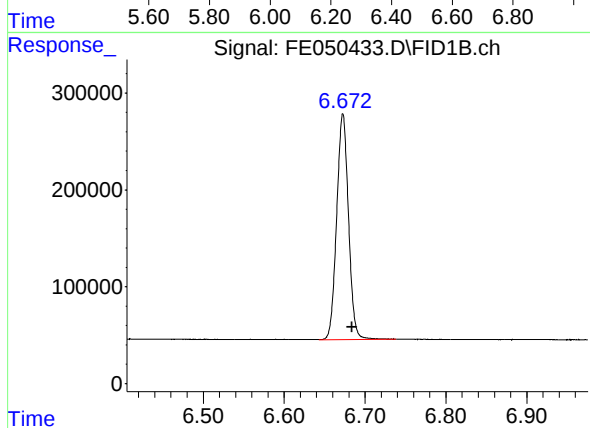
#2 n-Decane (C10)

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 2356140
Conc: 17.07 ug/ml



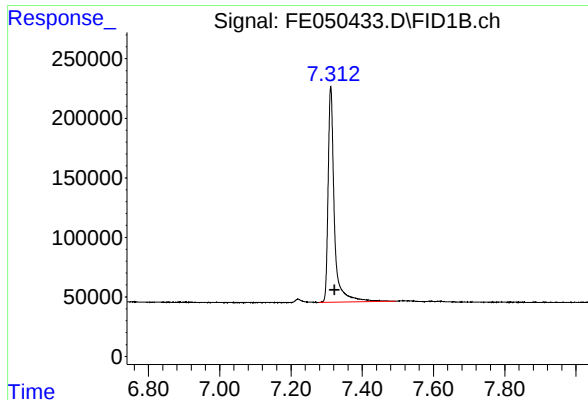
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: -0.012 min
Response: 2376328
Conc: 16.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.672 min
Delta R.T.: -0.012 min
Response: 2366264
Conc: 17.11 ug/ml m



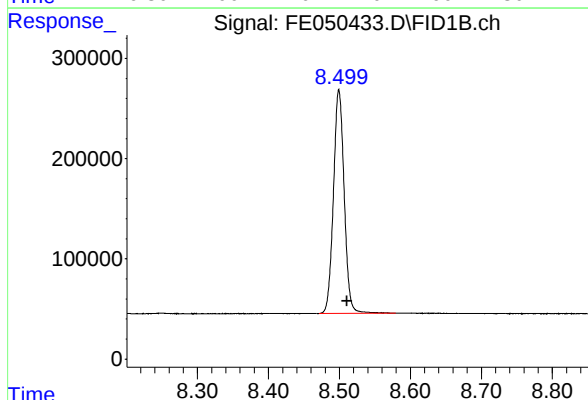
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2214064
Conc: 16.84 ug/ml

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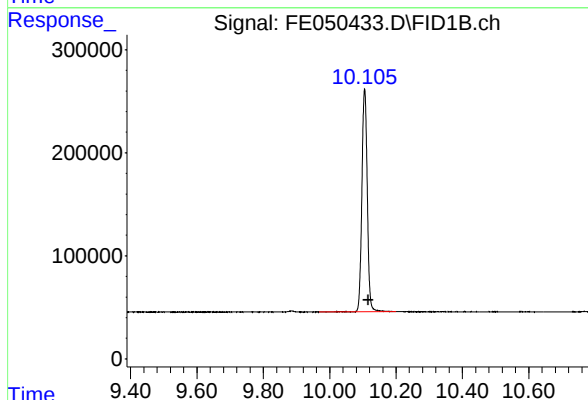
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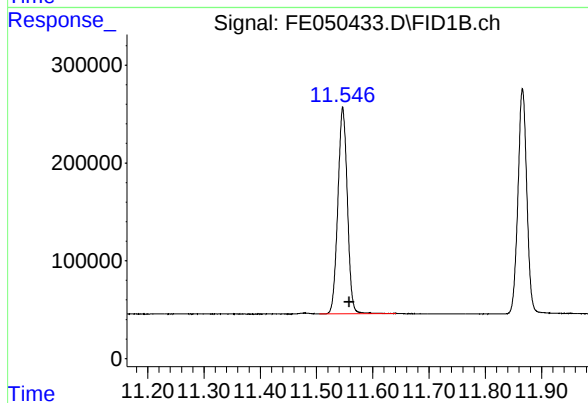
#6 n-Tetradecane (C14)

R.T.: 8.499 min
Delta R.T.: -0.011 min
Response: 2348503
Conc: 17.25 ug/ml



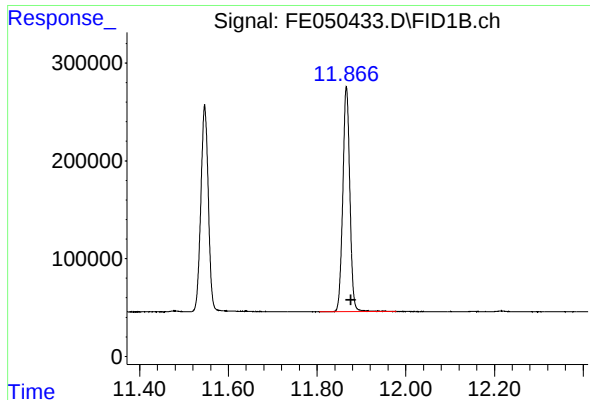
#7 n-Hexadecane (C16)

R.T.: 10.105 min
Delta R.T.: -0.012 min
Response: 2433519
Conc: 17.52 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.012 min
Response: 2467870
Conc: 17.61 ug/ml



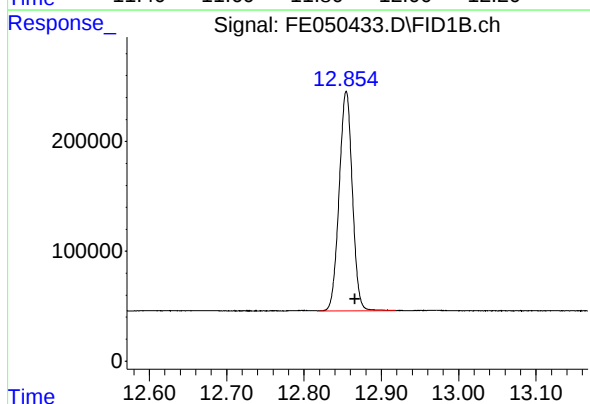
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.010 min
Response: 2533425
Conc: 17.03 ug/ml

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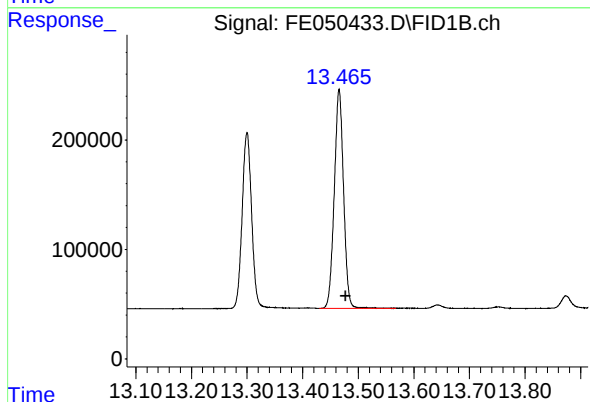
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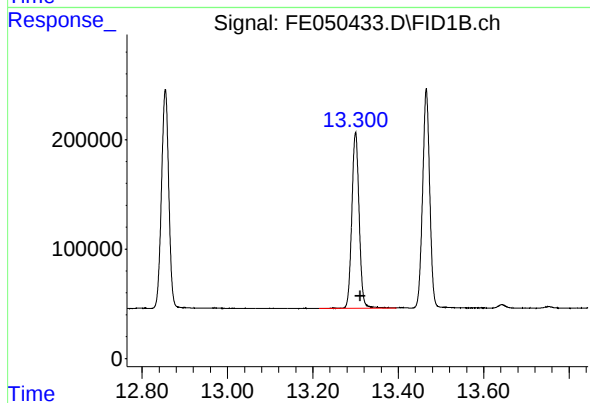
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2373598
Conc: 17.69 ug/ml



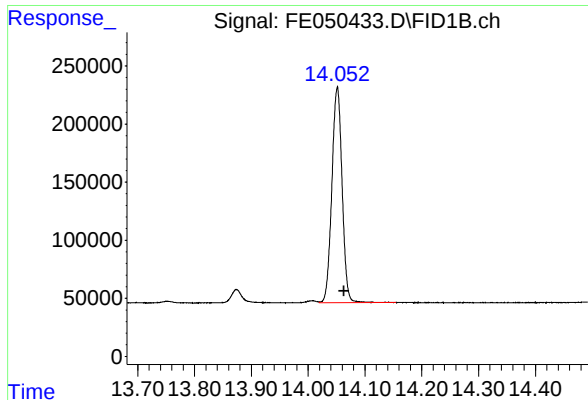
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.012 min
Response: 2322058
Conc: 17.67 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min
Delta R.T.: -0.012 min
Response: 1920091
Conc: 17.09 ug/ml



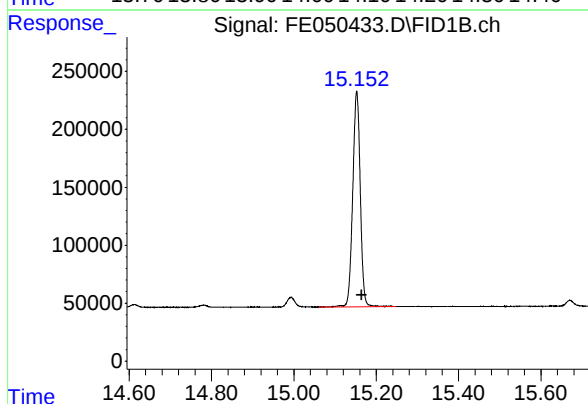
#13 n-Docosane (C22)

R.T.: 14.051 min
Delta R.T.: -0.012 min
Response: 2319928
Conc: 17.82 ug/ml

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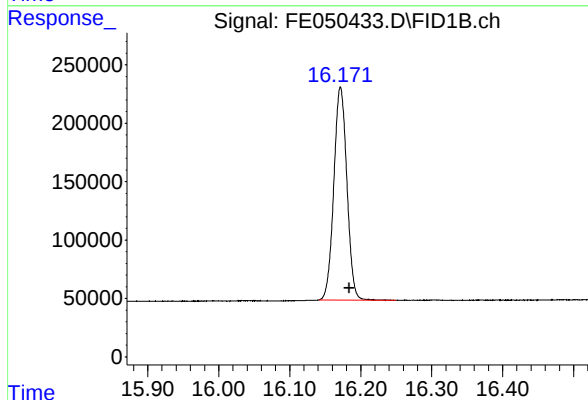
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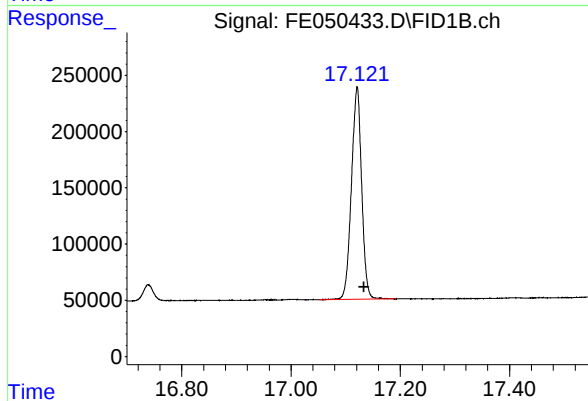
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.012 min
Response: 2357558
Conc: 18.05 ug/ml



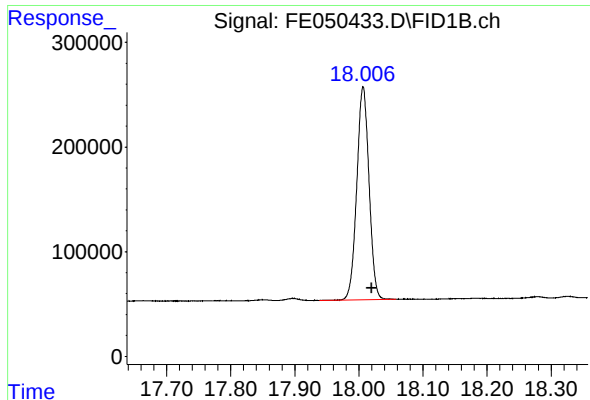
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.012 min
Response: 2336160
Conc: 18.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.121 min
Delta R.T.: -0.012 min
Response: 2460824
Conc: 19.10 ug/ml



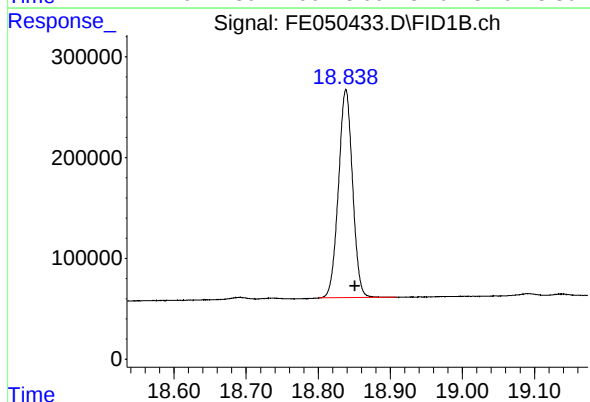
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.013 min
Response: 2708851
Conc: 20.26 ug/ml

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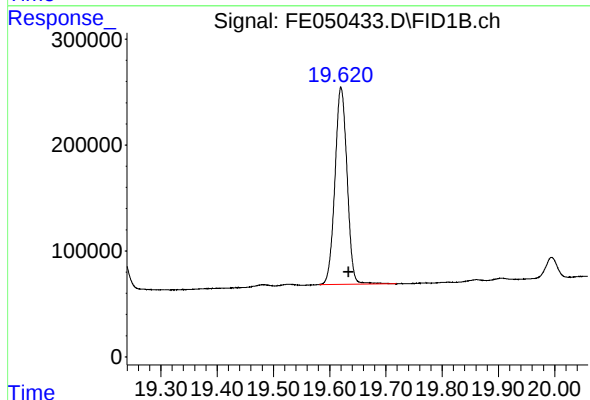
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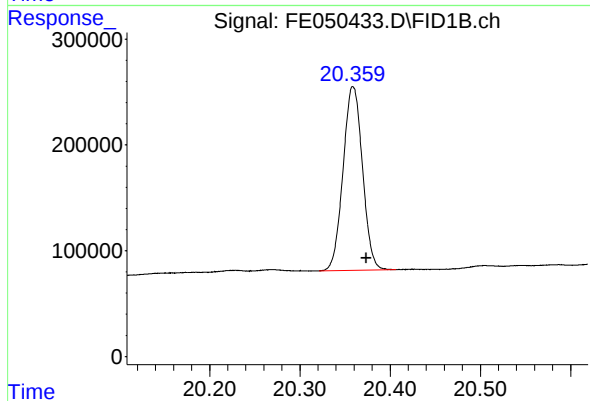
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 2811625
Conc: 21.10 ug/ml



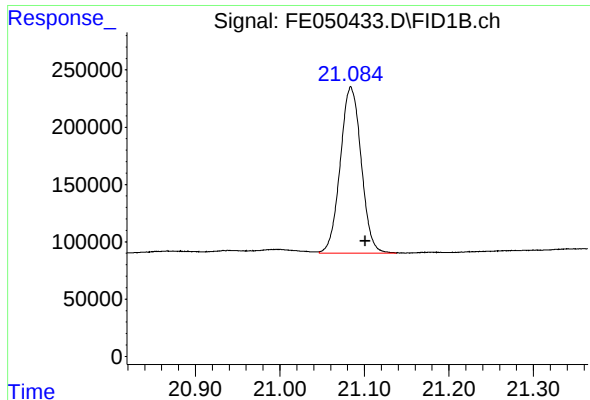
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.013 min
Response: 2790239
Conc: 22.58 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.359 min
Delta R.T.: -0.015 min
Response: 2594572
Conc: 23.39 ug/ml



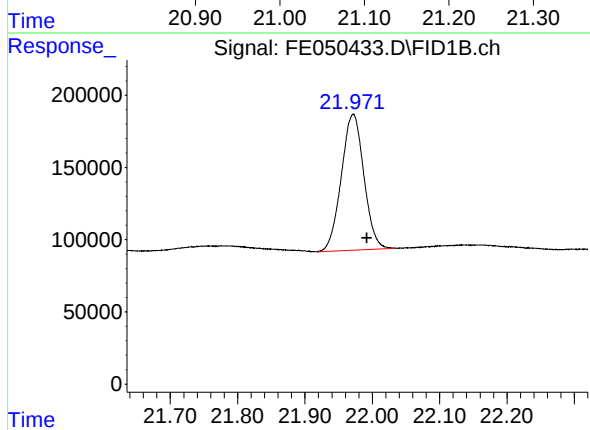
#21 n-Octatriacontane (C38)

R.T.: 21.084 min
Delta R.T.: -0.017 min
Response: 2497251
Conc: 22.64 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.022 min
Response: 2197475
Conc: 20.19 ug/ml m