

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092424AL\
 Data File : FE050326.D
 Signal(s) : FID1B.ch
 Acq On : 24 Sep 2024 14:00
 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 09/25/2024
 Supervised By :Ankita Jodhani 09/25/2024

Integration File: autoint1.e
 Quant Time: Sep 25 02:49:09 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	2871046	19.297 ug/ml
Spiked Amount 50.000		Recovery =	38.59%
12) S 1-chlorooctadecane (S...	13.300	2182876	19.433 ug/ml
Spiked Amount 50.000		Recovery =	38.87%
Target Compounds			
1) T n-Nonane (C9)	3.257	2544343	18.771 ug/ml
2) T n-Decane (C10)	4.507	2650565	19.205 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2695102	19.255 ug/ml
4) T n-Dodecane (C12)	6.674	2637245	19.071 ug/ml
5) T A~2-methylnaphthalene...	7.312	2522937	19.195 ug/ml
6) T n-Tetradecane (C14)	8.500	2634682	19.348 ug/ml
7) T n-Hexadecane (C16)	10.106	2706246	19.483 ug/ml
8) T n-Octadecane (C18)	11.547	2741257	19.566 ug/ml
10) T n-Eicosane (C20)	12.854	2620127	19.532 ug/mlm
11) T n-Heneicosane (C21)	13.466	2565123	19.522 ug/ml
13) T n-Docosane (C22)	14.050	2563832	19.689 ug/ml
14) T n-Tetracosane (C24)	15.152	2621560	20.075 ug/ml
15) T n-Hexacosane (C26)	16.171	2596488	20.295 ug/ml
16) T n-Octacosane (C28)	17.119	2734876	21.232 ug/ml
17) T n-Tricontane (C30)	18.007	2955657	22.103 ug/ml
18) T n-Dotriacontane (C32)	18.838	3005711	22.556 ug/ml
19) T n-Tetratriacontane (C34)	19.620	2754261	22.291 ug/ml
20) T n-Hexatriacontane (C36)	20.358	2435088	21.948 ug/ml
21) T n-Octatriacontane (C38)	21.083	2220992	20.140 ug/mlm
22) T n-Tetracontane (C40)	21.970	2037894	18.728 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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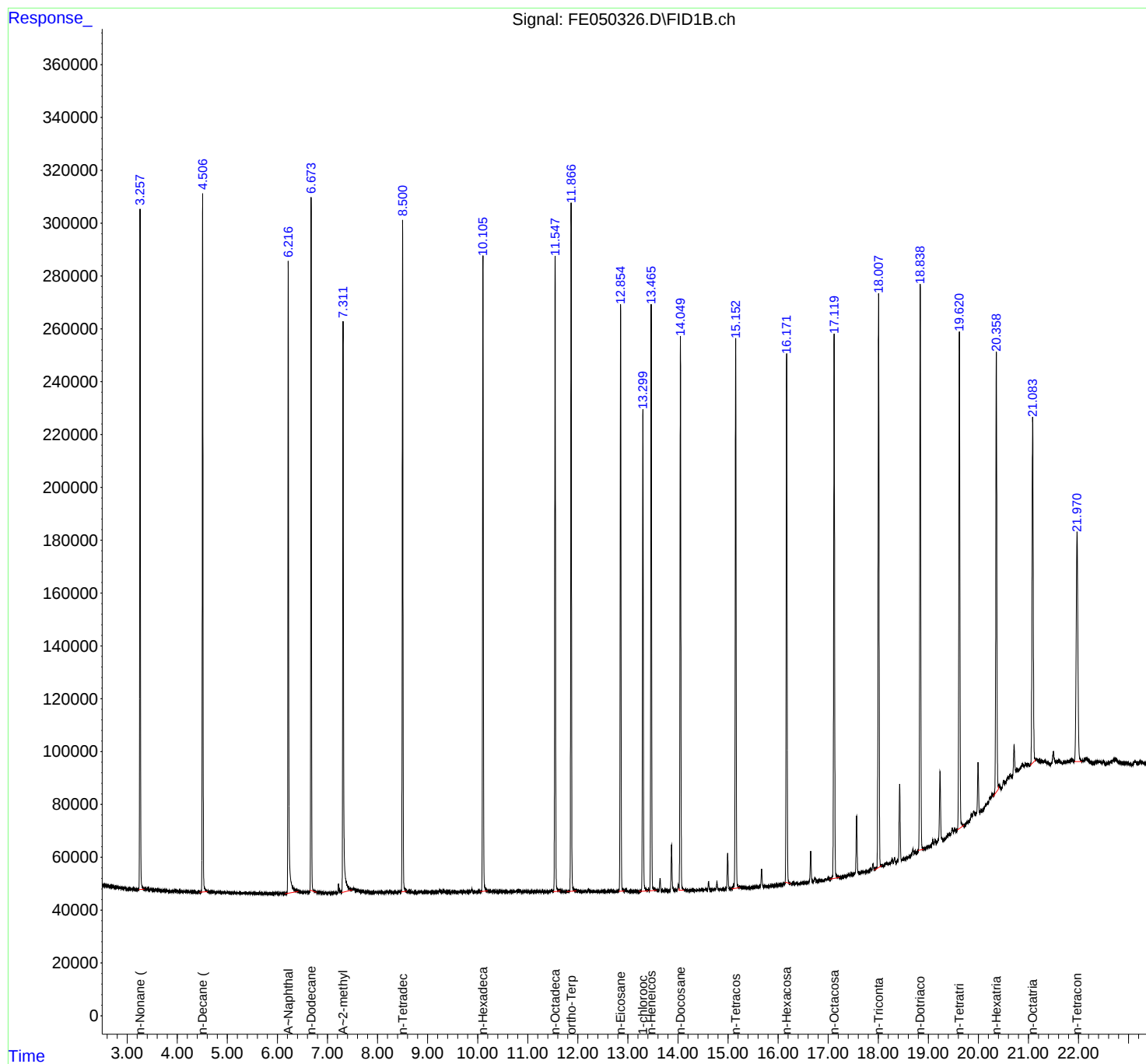
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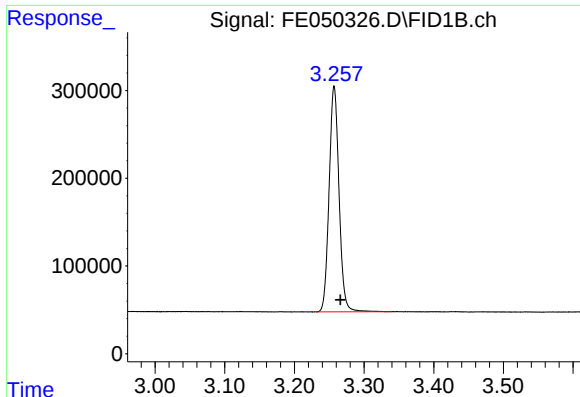
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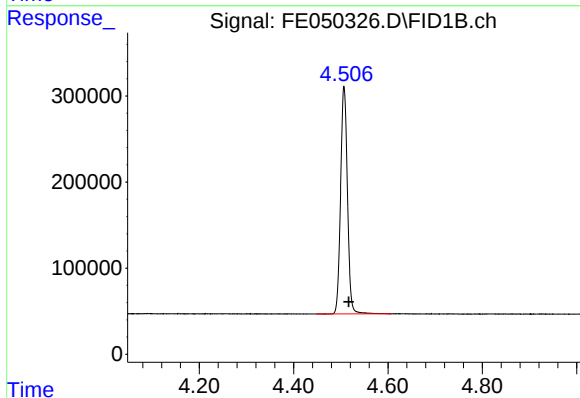
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2544343
Conc: 18.77 ug/ml

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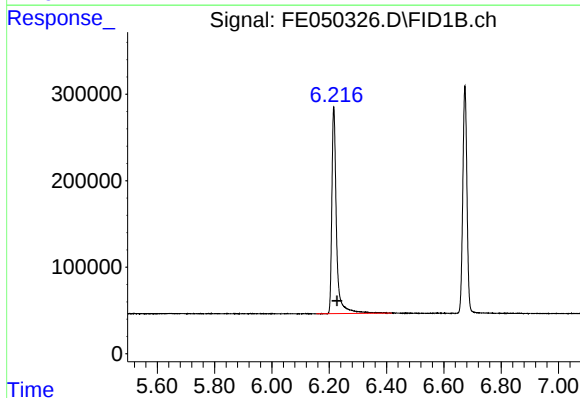
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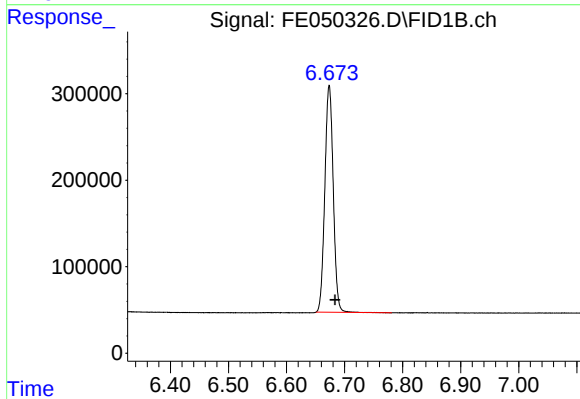
#2 n-Decane (C10)

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 2650565
Conc: 19.21 ug/ml



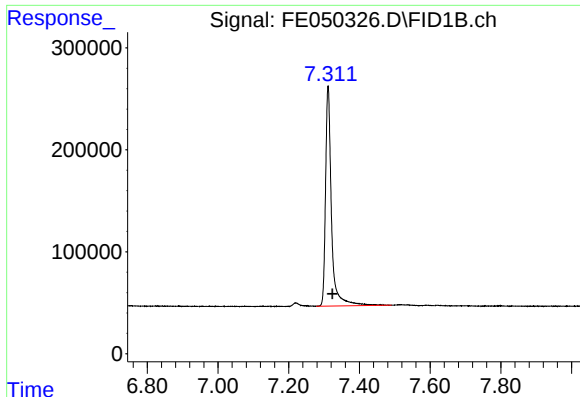
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2695102
Conc: 19.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.674 min
Delta R.T.: -0.010 min
Response: 2637245
Conc: 19.07 ug/ml



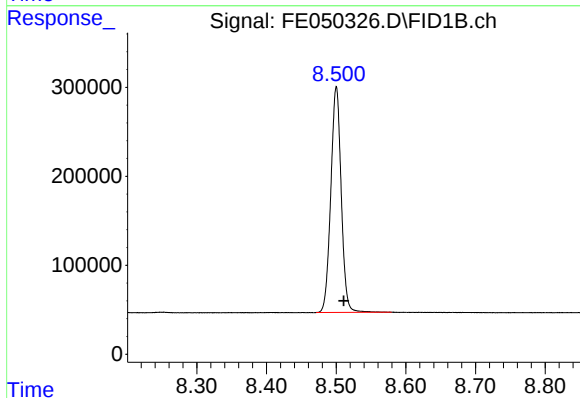
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.012 min
Response: 2522937
Conc: 19.19 ug/ml

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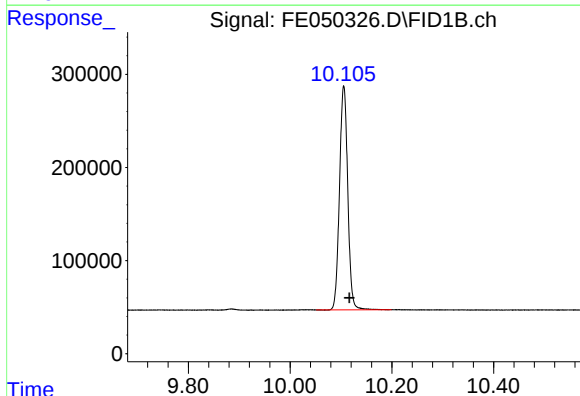
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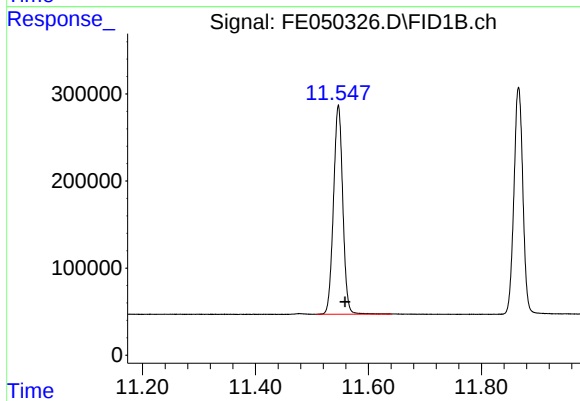
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: -0.011 min
Response: 2634682
Conc: 19.35 ug/ml



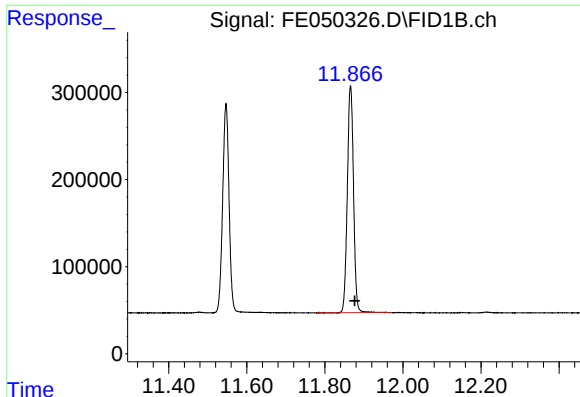
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2706246
Conc: 19.48 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.012 min
Response: 2741257
Conc: 19.57 ug/ml



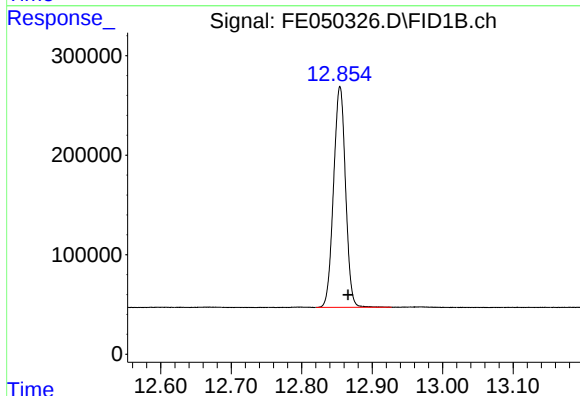
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.011 min
Response: 2871046
Conc: 19.30 ug/ml

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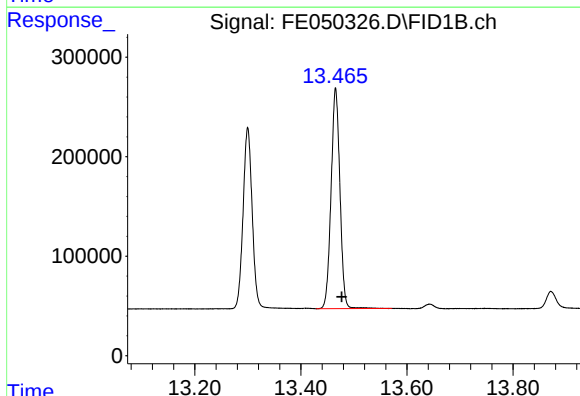
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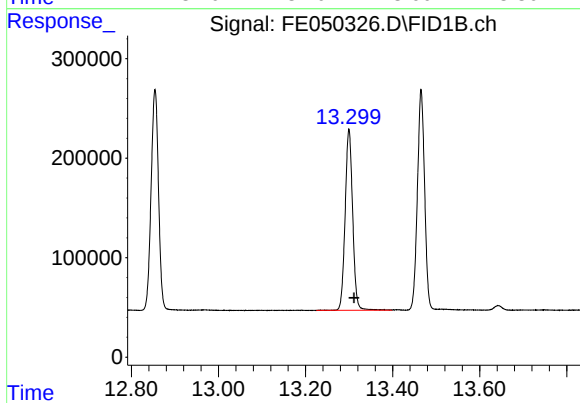
#10 n-Eicosane (C20)

R.T.: 12.854 min
Delta R.T.: -0.012 min
Response: 2620127
Conc: 19.53 ug/ml m



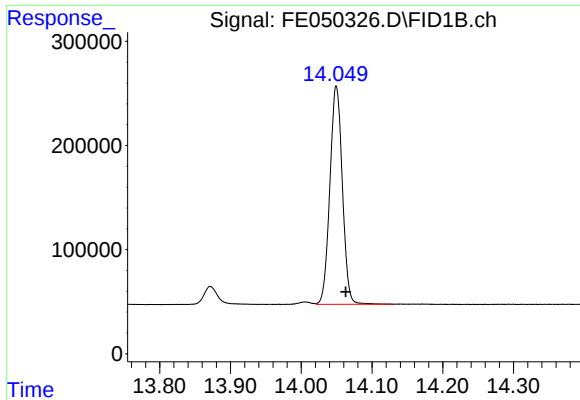
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.012 min
Response: 2565123
Conc: 19.52 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.300 min
Delta R.T.: -0.012 min
Response: 2182876
Conc: 19.43 ug/ml



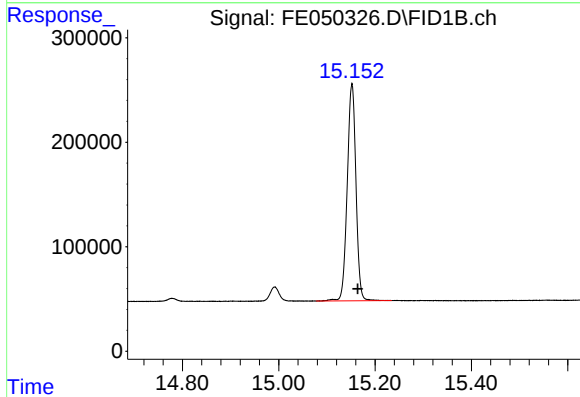
#13 n-Docosane (C22)

R.T.: 14.050 min
Delta R.T.: -0.013 min
Response: 2563832
Conc: 19.69 ug/ml

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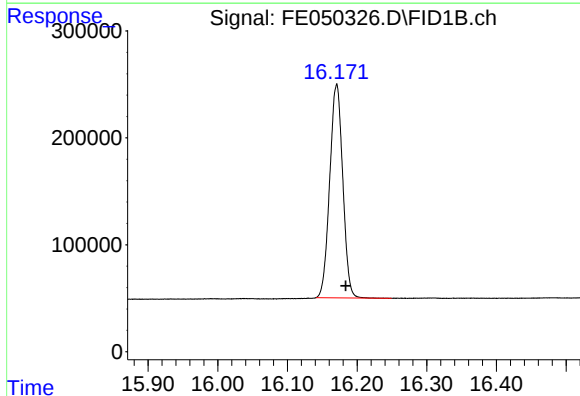
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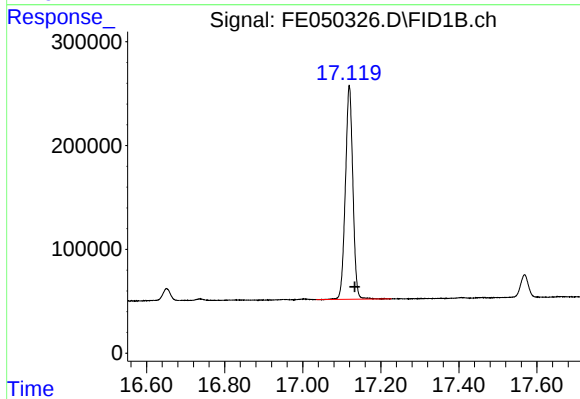
#14 n-Tetracosane (C24)

R.T.: 15.152 min
Delta R.T.: -0.012 min
Response: 2621560
Conc: 20.07 ug/ml



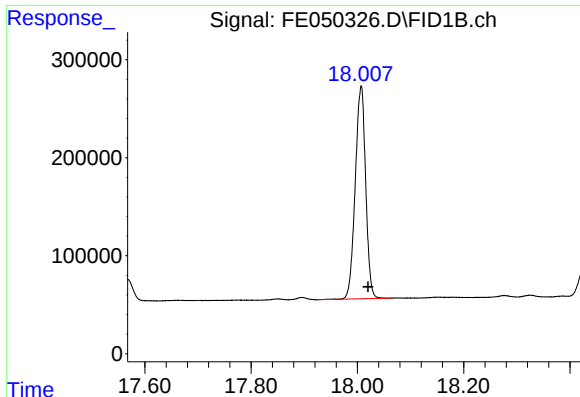
#15 n-Hexacosane (C26)

R.T.: 16.171 min
Delta R.T.: -0.013 min
Response: 2596488
Conc: 20.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.119 min
Delta R.T.: -0.014 min
Response: 2734876
Conc: 21.23 ug/ml



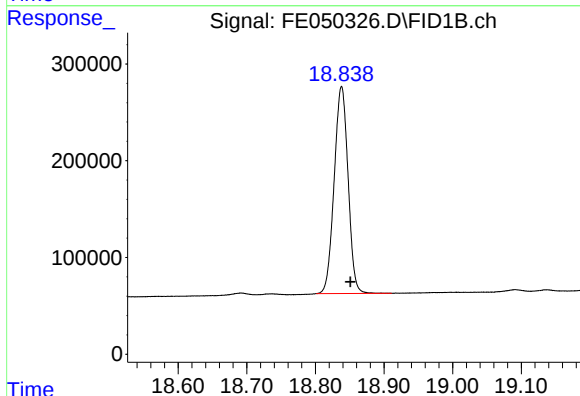
#17 n-Tricontane (C30)

R.T.: 18.007 min
Delta R.T.: -0.013 min
Response: 2955657
Conc: 22.10 ug/ml

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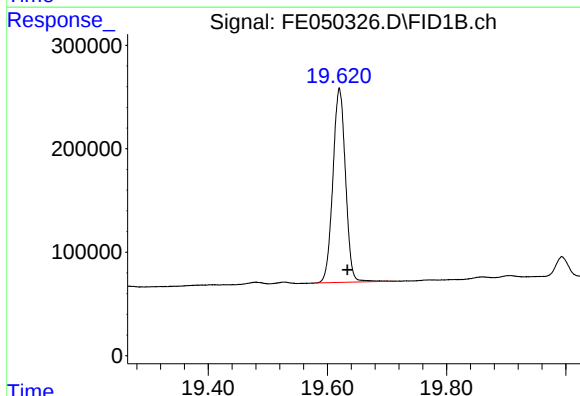
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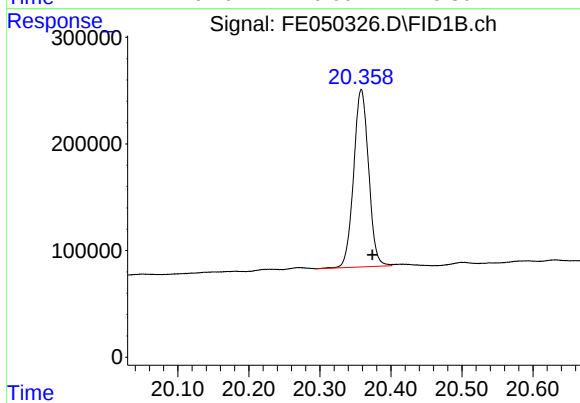
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 3005711
Conc: 22.56 ug/ml



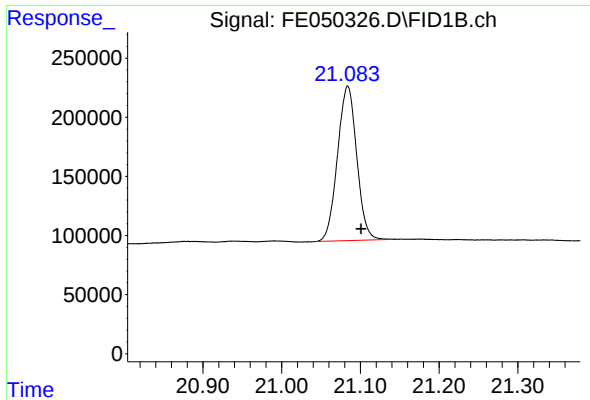
#19 n-Tetratriacontane (C34)

R.T.: 19.620 min
Delta R.T.: -0.013 min
Response: 2754261
Conc: 22.29 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: -0.015 min
Response: 2435088
Conc: 21.95 ug/ml



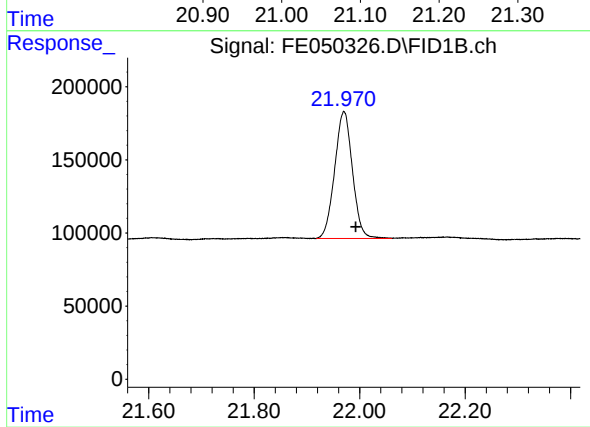
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: -0.017 min
Response: 2220992
Conc: 20.14 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.023 min
Response: 2037894
Conc: 18.73 ug/ml m