

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092024AL\
 Data File : FE050279.D
 Signal(s) : FID1B.ch
 Acq On : 21 Sep 2024 11:33
 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 09/23/2024
 Supervised By :Ankita Jodhani 09/23/2024

Integration File: autoint1.e
 Quant Time: Sep 23 00:44:19 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)	11.869	3079701	20.700 ug/ml
Spiked Amount 50.000		Recovery =	41.40%
12) S 1-chlorooctadecane (S...	13.303	2341161	20.842 ug/ml
Spiked Amount 50.000		Recovery =	41.68%
Target Compounds			
1) T n-Nonane (C9)	3.257	2781318	20.519 ug/mlm
2) T n-Decane (C10)	4.508	2866871	20.773 ug/ml
3) T A~Naphthalene (C11.7)	6.217	2914142	20.820 ug/ml
4) T n-Dodecane (C12)	6.675	2861899	20.696 ug/ml
5) T A~2-methylnaphthalene...	7.313	2733018	20.793 ug/ml
6) T n-Tetradecane (C14)	8.502	2847762	20.913 ug/ml
7) T n-Hexadecane (C16)	10.108	2917750	21.006 ug/ml
8) T n-Octadecane (C18)	11.549	2936464	20.959 ug/ml
10) T n-Eicosane (C20)	12.857	2809431	20.943 ug/mlm
11) T n-Heneicosane (C21)	13.468	2738451	20.841 ug/ml
13) T n-Docosane (C22)	14.053	2744837	21.079 ug/ml
14) T n-Tetracosane (C24)	15.156	2818063	21.579 ug/ml
15) T n-Hexacosane (C26)	16.175	2790940	21.815 ug/ml
16) T n-Octacosane (C28)	17.123	2902264	22.532 ug/ml
17) T n-Tricontane (C30)	18.009	3160700	23.637 ug/ml
18) T n-Dotriacontane (C32)	18.841	3179882	23.863 ug/ml
19) T n-Tetratriacontane (C34)	19.624	2909985	23.551 ug/ml
20) T n-Hexatriacontane (C36)	20.363	2693455	24.276 ug/ml
21) T n-Octatriacontane (C38)	21.087	2327034	21.101 ug/ml
22) T n-Tetracontane (C40)	21.976	2091860	19.224 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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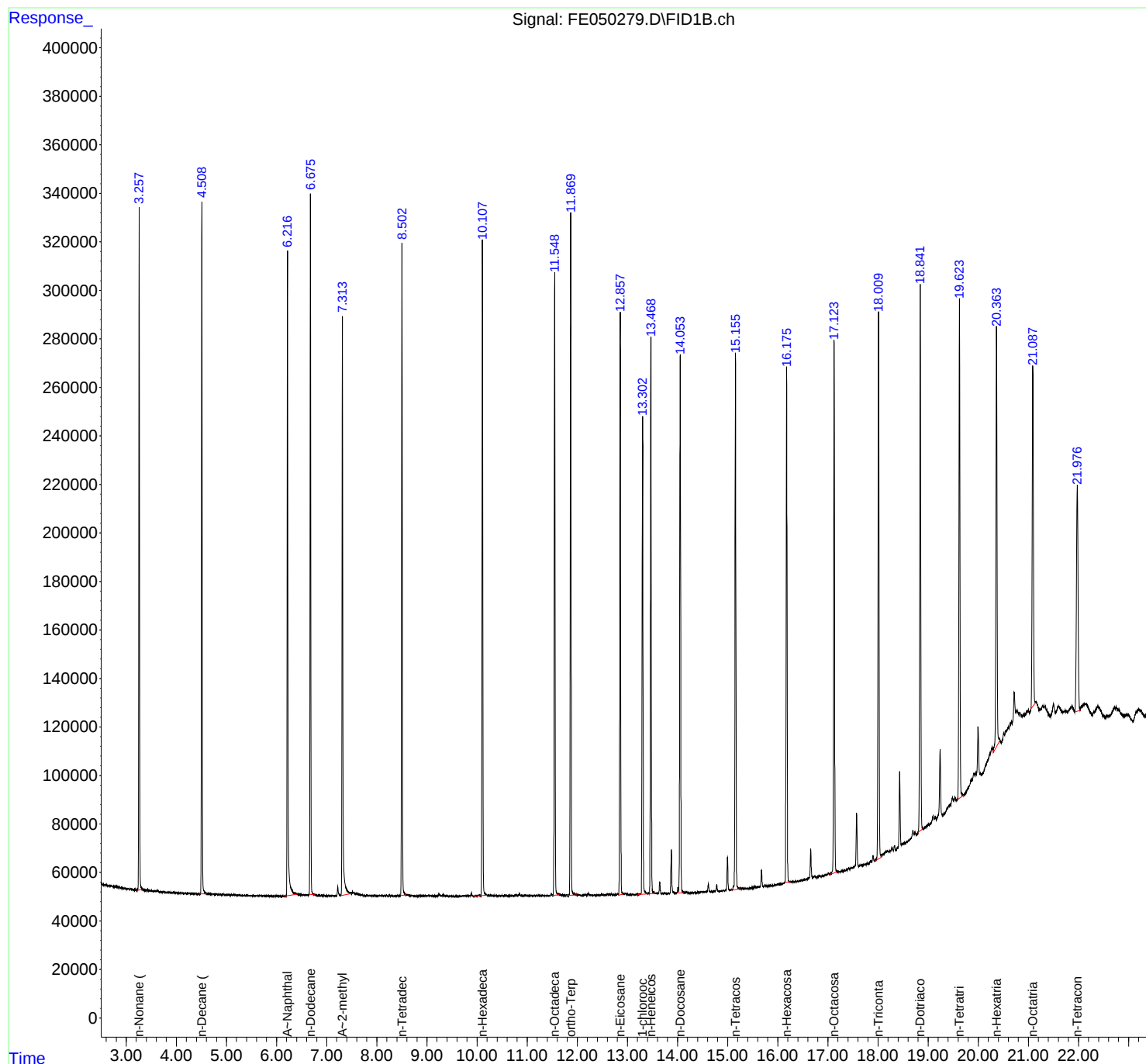
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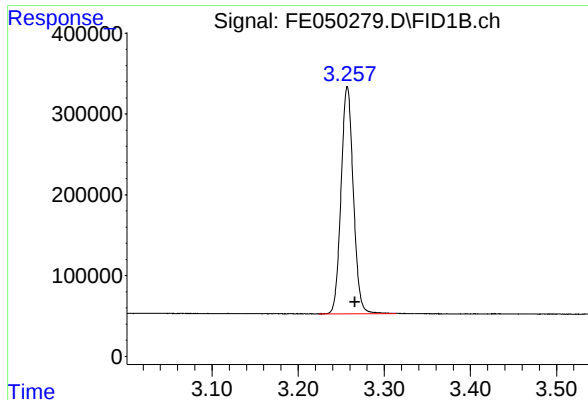
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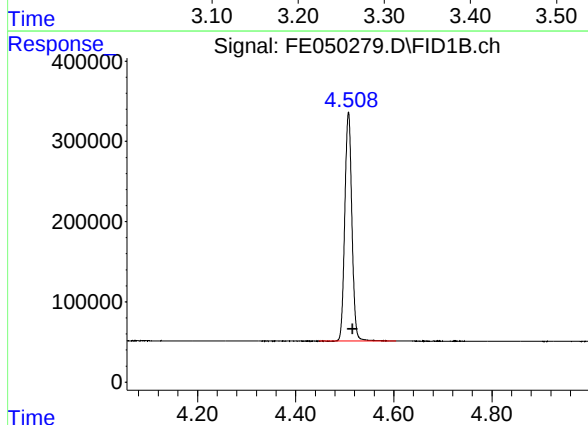
#1 n-Nonane (C9)

R.T.: 3.257 min
Delta R.T.: -0.009 min
Response: 2781318
Conc: 20.52 ug/ml

Instrument : FID_E
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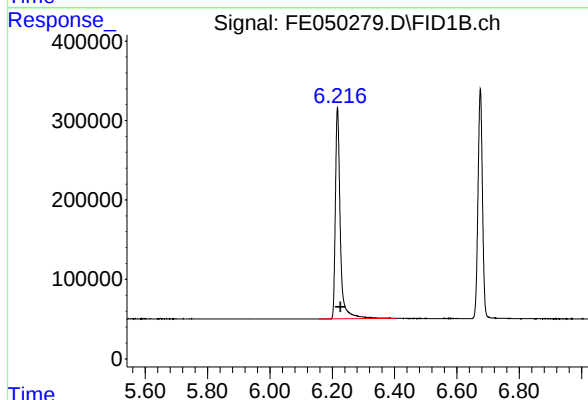
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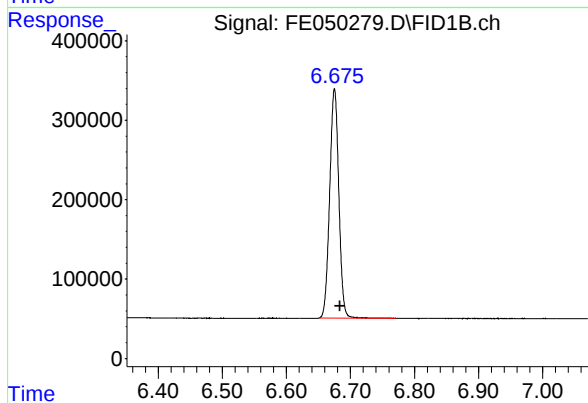
#2 n-Decane (C10)

R.T.: 4.508 min
Delta R.T.: -0.009 min
Response: 2866871
Conc: 20.77 ug/ml



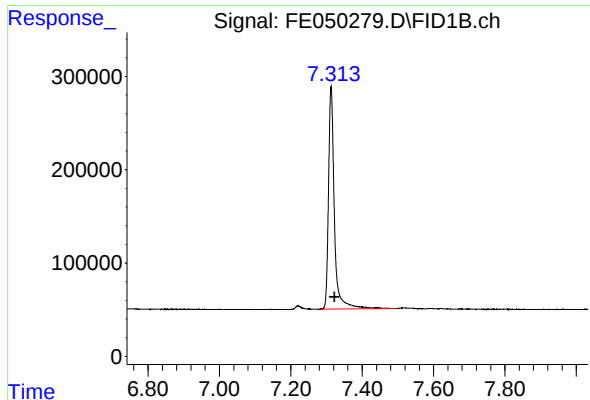
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: -0.010 min
Response: 2914142
Conc: 20.82 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.675 min
Delta R.T.: -0.009 min
Response: 2861899
Conc: 20.70 ug/ml



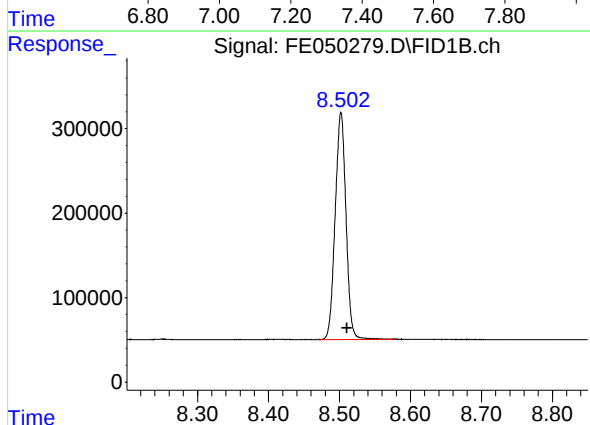
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.313 min
Delta R.T.: -0.010 min
Response: 2733018
Conc: 20.79 ug/ml

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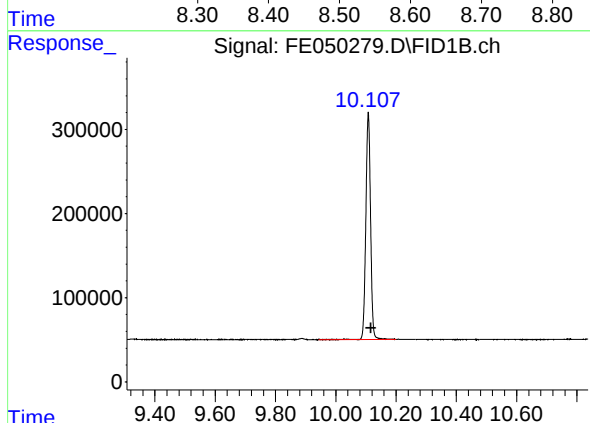
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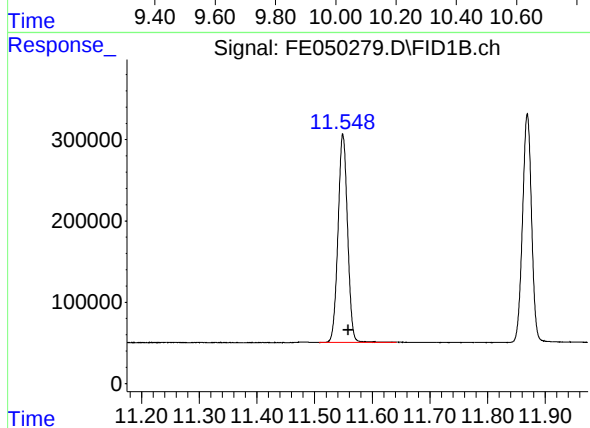
#6 n-Tetradecane (C14)

R.T.: 8.502 min
Delta R.T.: -0.009 min
Response: 2847762
Conc: 20.91 ug/ml



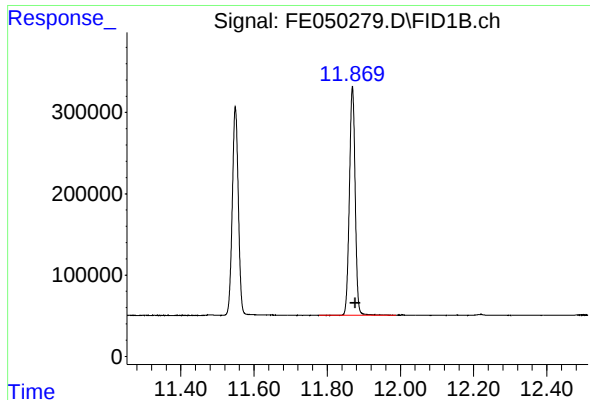
#7 n-Hexadecane (C16)

R.T.: 10.108 min
Delta R.T.: -0.009 min
Response: 2917750
Conc: 21.01 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.549 min
Delta R.T.: -0.009 min
Response: 2936464
Conc: 20.96 ug/ml



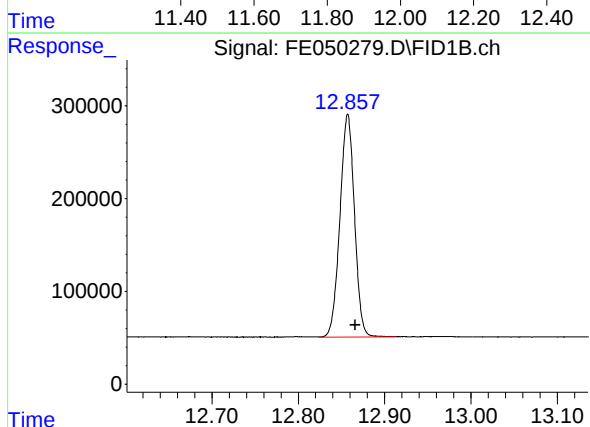
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.008 min
Response: 3079701
Conc: 20.70 ug/ml

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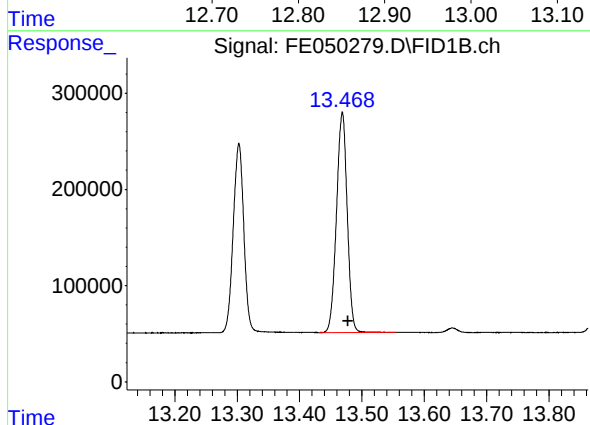
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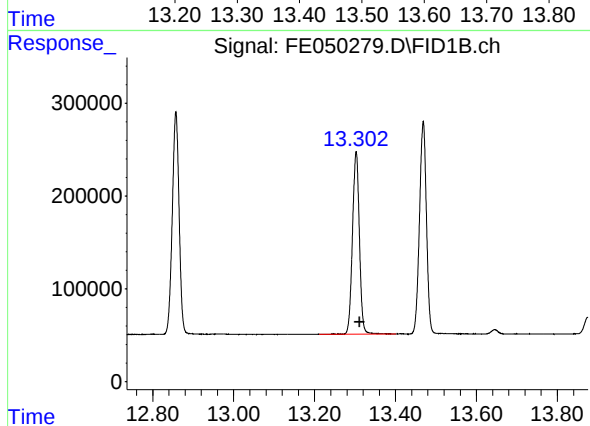
#10 n-Eicosane (C20)

R.T.: 12.857 min
Delta R.T.: -0.009 min
Response: 2809431
Conc: 20.94 ug/ml m



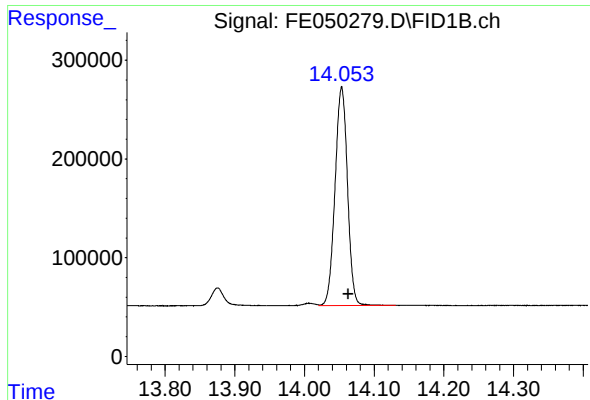
#11 n-Heneicosane (C21)

R.T.: 13.468 min
Delta R.T.: -0.009 min
Response: 2738451
Conc: 20.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.303 min
Delta R.T.: -0.009 min
Response: 2341161
Conc: 20.84 ug/ml



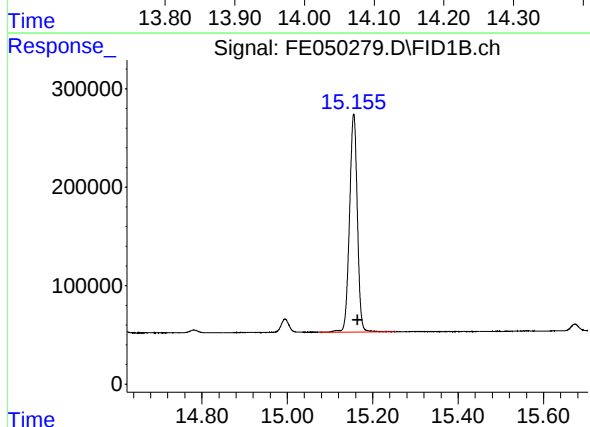
#13 n-Docosane (C22)

R.T.: 14.053 min
Delta R.T.: -0.010 min
Response: 2744837
Conc: 21.08 ug/ml

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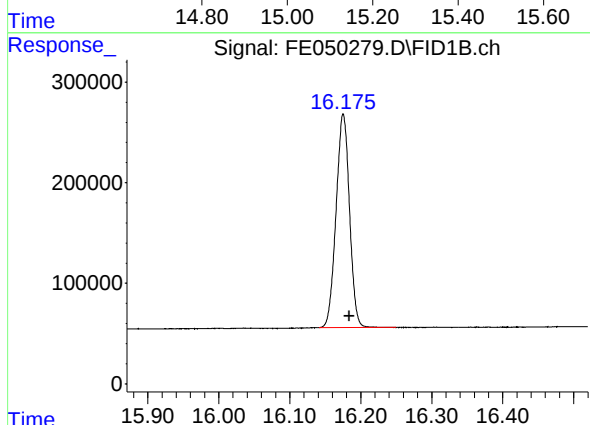
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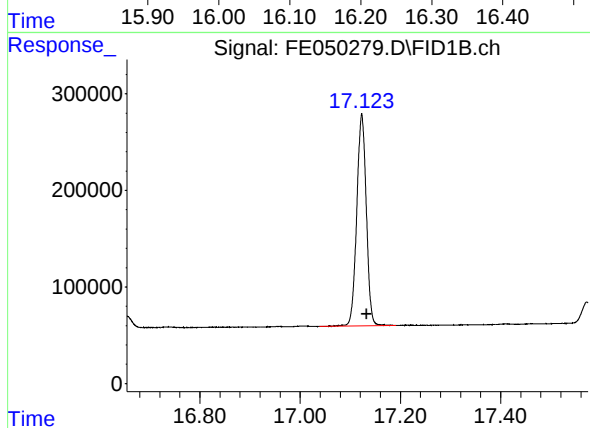
#14 n-Tetracosane (C24)

R.T.: 15.156 min
Delta R.T.: -0.009 min
Response: 2818063
Conc: 21.58 ug/ml



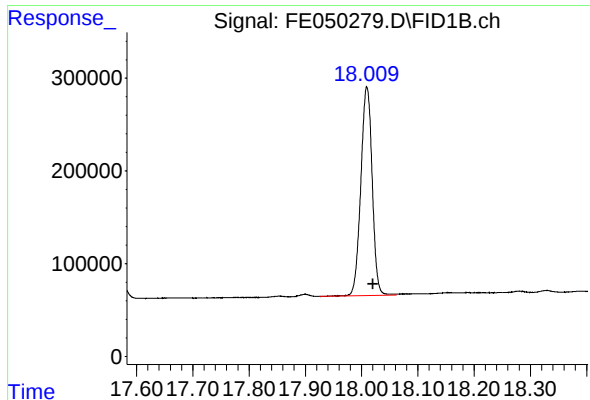
#15 n-Hexacosane (C26)

R.T.: 16.175 min
Delta R.T.: -0.008 min
Response: 2790940
Conc: 21.81 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.123 min
Delta R.T.: -0.010 min
Response: 2902264
Conc: 22.53 ug/ml



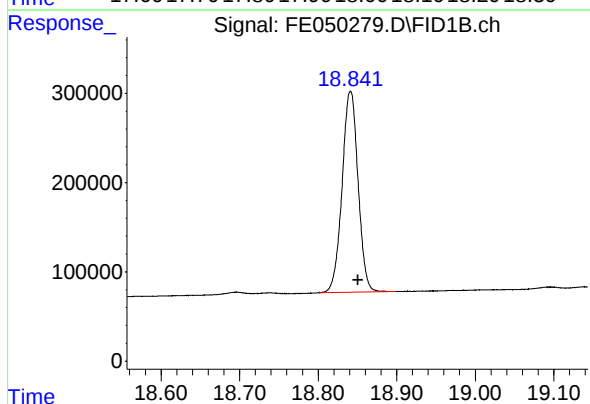
#17 n-Tricontane (C30)

R.T.: 18.009 min
Delta R.T.: -0.010 min
Response: 3160700
Conc: 23.64 ug/ml

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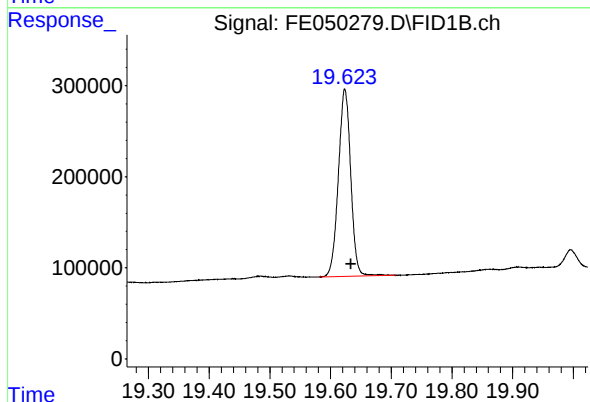
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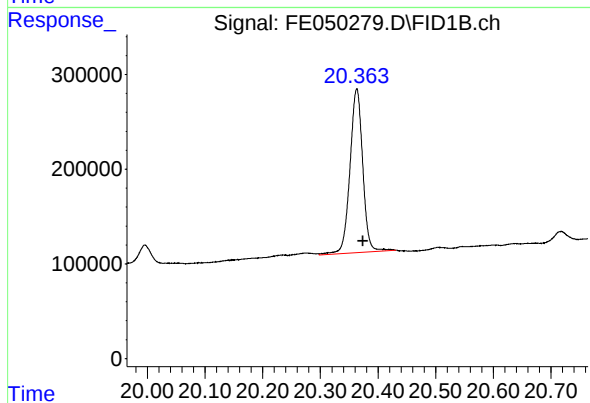
#18 n-Dotriacontane (C32)

R.T.: 18.841 min
Delta R.T.: -0.010 min
Response: 3179882
Conc: 23.86 ug/ml



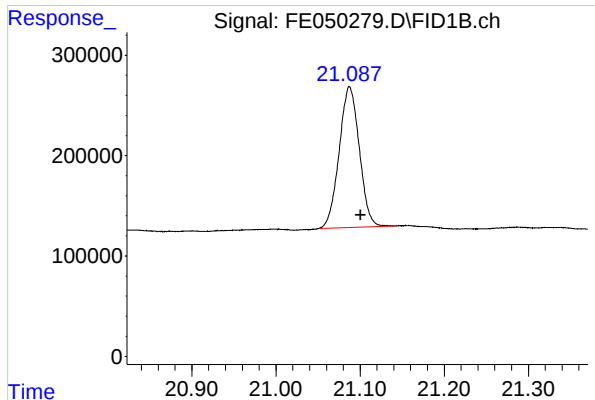
#19 n-Tetratriacontane (C34)

R.T.: 19.624 min
Delta R.T.: -0.010 min
Response: 2909985
Conc: 23.55 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.363 min
Delta R.T.: -0.011 min
Response: 2693455
Conc: 24.28 ug/ml



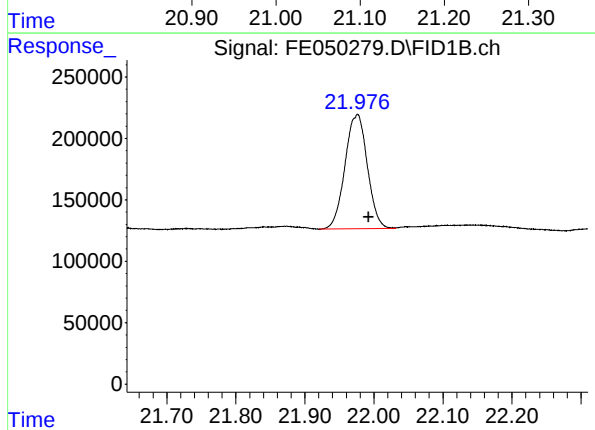
#21 n-Octatriacontane (C38)

R.T.: 21.087 min
Delta R.T.: -0.013 min
Response: 2327034
Conc: 21.10 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.976 min
Delta R.T.: -0.017 min
Response: 2091860
Conc: 19.22 ug/ml m