

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE071624AL\
 Data File : FE049128.D
 Signal(s) : FID1B.ch
 Acq On : 16 Jul 2024 12:36
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/17/2024
 Supervised By :Ankita Jodhani 07/17/2024

Integration File: autoint1.e
 Quant Time: Jul 17 01:37:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.921	2768978	16.560 ug/ml
Spiked Amount 50.000		Recovery =	33.12%
12) S 1-chlorooctadecane (S...	13.356	2112553	16.429 ug/ml
Spiked Amount 50.000		Recovery =	32.86%
Target Compounds			
1) T n-Nonane (C9)	3.305	2550144	16.962 ug/ml
2) T n-Decane (C10)	4.556	2716389	17.651 ug/ml
3) T A~Naphthalene (C11.7)	6.264	2732618	17.213 ug/ml
4) T n-Dodecane (C12)	6.723	2725166	17.653 ug/ml
5) T A~2-methylnaphthalene...	7.360	2624848	17.333 ug/ml
6) T n-Tetradecane (C14)	8.551	2676177	17.461 ug/ml
7) T n-Hexadecane (C16)	10.159	2707729	17.318 ug/ml
8) T n-Octadecane (C18)	11.601	2718255	17.044 ug/ml
10) T n-Eicosane (C20)	12.911	2591658	16.717 ug/ml
11) T n-Heneicosane (C21)	13.523	2540587	16.685 ug/ml
13) T n-Docosane (C22)	14.109	2535191	16.763 ug/ml
14) T n-Tetracosane (C24)	15.211	2550398	16.971 ug/ml
15) T n-Hexacosane (C26)	16.232	2544763	17.237 ug/ml
16) T n-Octacosane (C28)	17.182	2589377	17.955 ug/ml
17) T n-Tricontane (C30)	18.069	2822697	19.294 ug/mlm
18) T n-Dotriacontane (C32)	18.901	2942417	20.579 ug/mlm
19) T n-Tetratriacontane (C34)	19.684	2892285	20.902 ug/ml
20) T n-Hexatriacontane (C36)	20.423	2795954	21.513 ug/mlm
21) T n-Octatriacontane (C38)	21.159	2784416	21.720 ug/ml
22) T n-Tetracontane (C40)	22.069	2943910	24.040 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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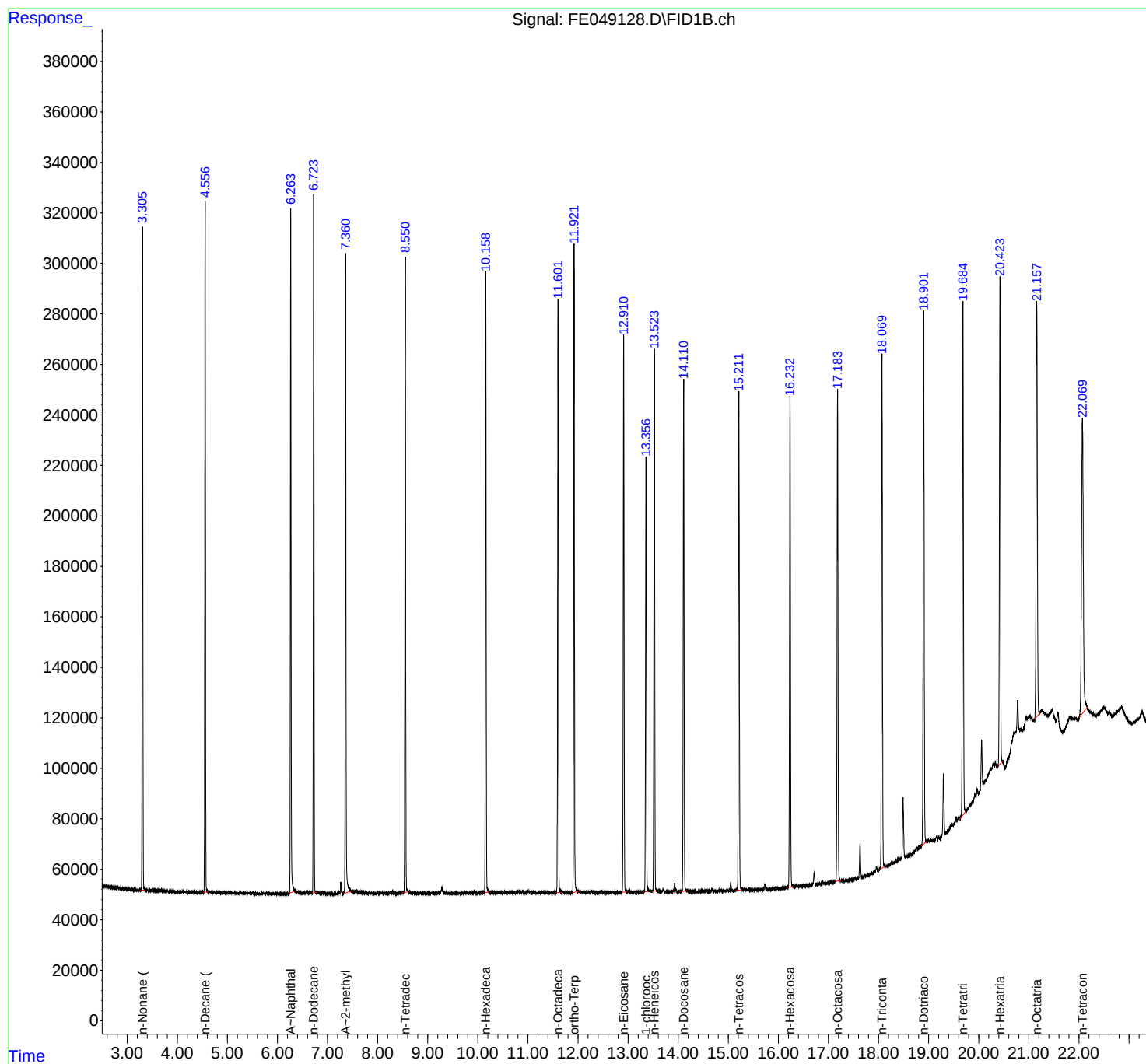
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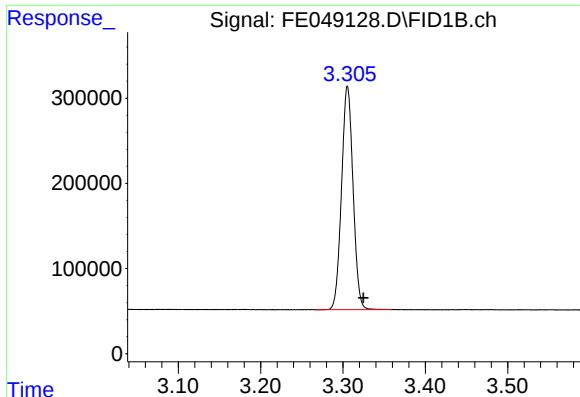
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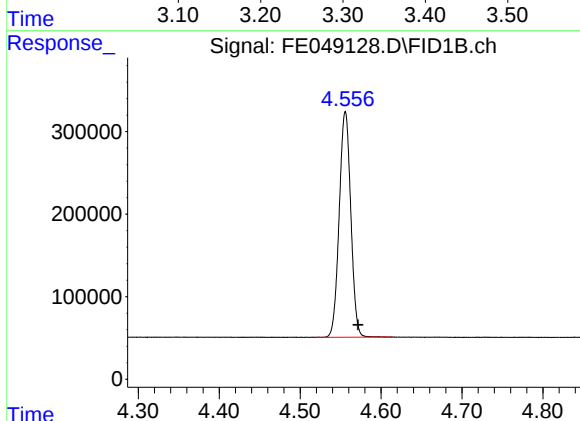
#1 n-Nonane (C9)

R.T.: 3.305 min
Delta R.T.: -0.020 min
Response: 2550144
Conc: 16.96 ug/ml

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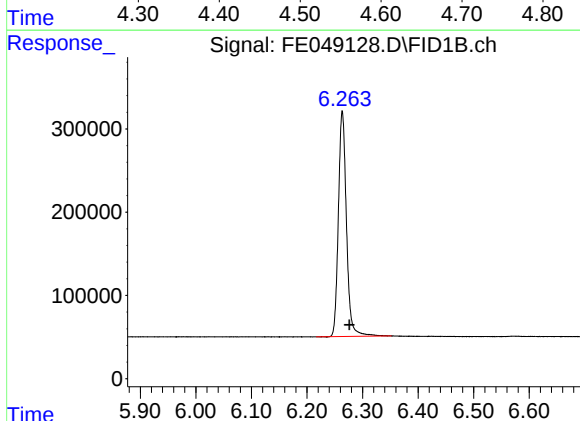
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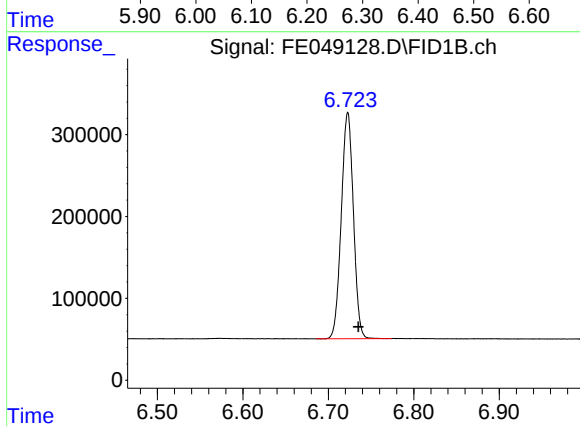
#2 n-Decane (C10)

R.T.: 4.556 min
Delta R.T.: -0.016 min
Response: 2716389
Conc: 17.65 ug/ml



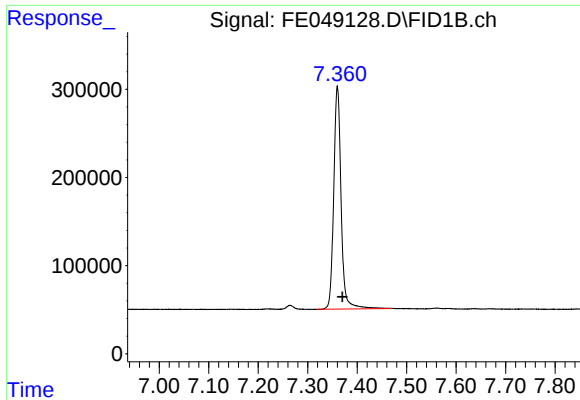
#3 A~Naphthalene (C11.7)

R.T.: 6.264 min
Delta R.T.: -0.013 min
Response: 2732618
Conc: 17.21 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.723 min
Delta R.T.: -0.012 min
Response: 2725166
Conc: 17.65 ug/ml



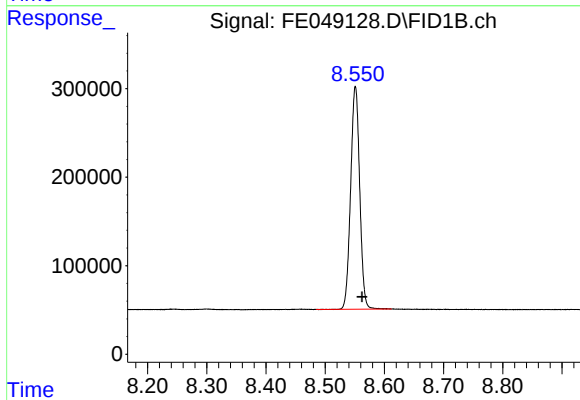
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.360 min
Delta R.T.: -0.010 min
Response: 2624848
Conc: 17.33 ug/ml

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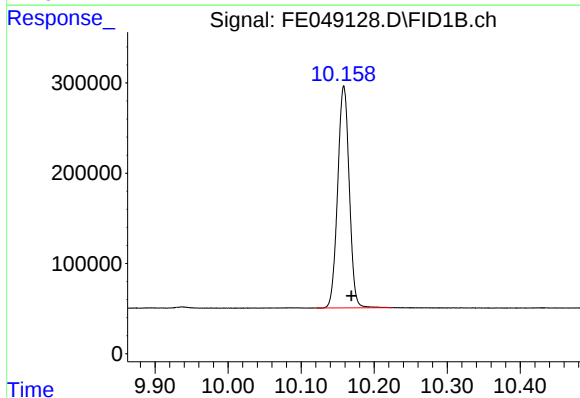
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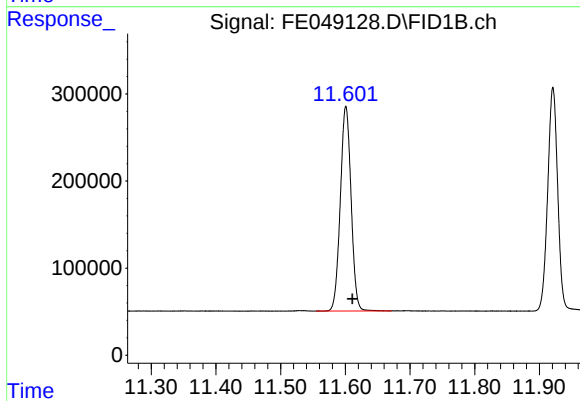
#6 n-Tetradecane (C14)

R.T.: 8.551 min
Delta R.T.: -0.011 min
Response: 2676177
Conc: 17.46 ug/ml



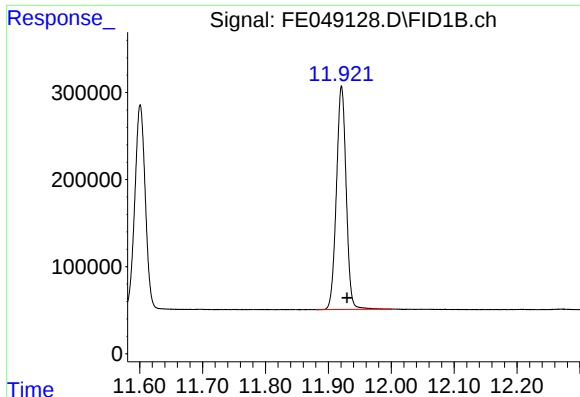
#7 n-Hexadecane (C16)

R.T.: 10.159 min
Delta R.T.: -0.010 min
Response: 2707729
Conc: 17.32 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.601 min
Delta R.T.: -0.010 min
Response: 2718255
Conc: 17.04 ug/ml



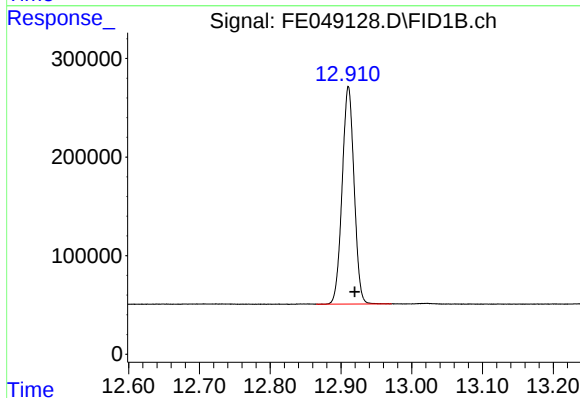
#9 ortho-Terphenyl (SURR)

R.T.: 11.921 min
Delta R.T.: -0.009 min
Response: 2768978
Conc: 16.56 ug/ml

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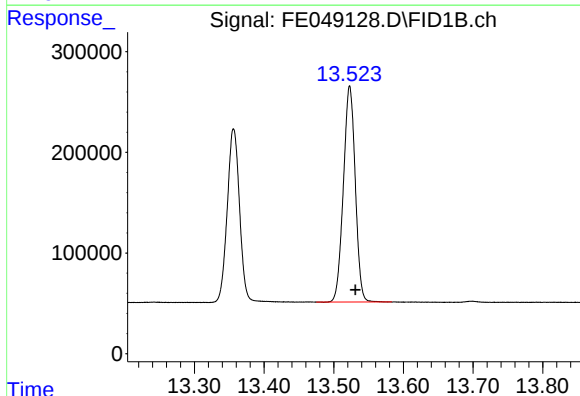
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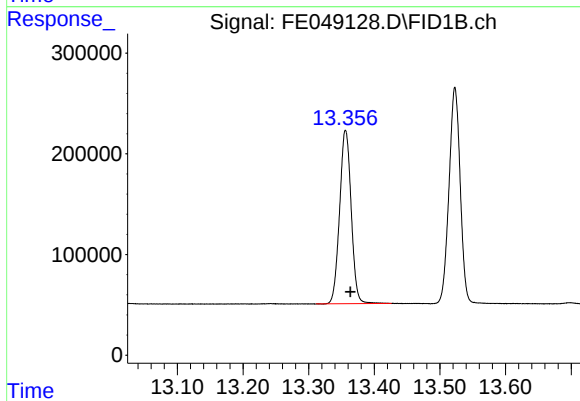
#10 n-Eicosane (C20)

R.T.: 12.911 min
Delta R.T.: -0.009 min
Response: 2591658
Conc: 16.72 ug/ml



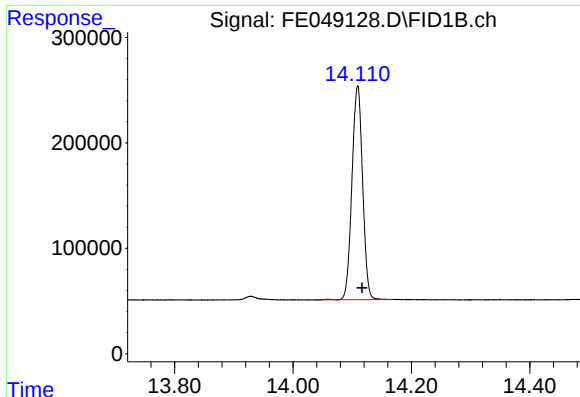
#11 n-Heneicosane (C21)

R.T.: 13.523 min
Delta R.T.: -0.008 min
Response: 2540587
Conc: 16.69 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.356 min
Delta R.T.: -0.008 min
Response: 2112553
Conc: 16.43 ug/ml



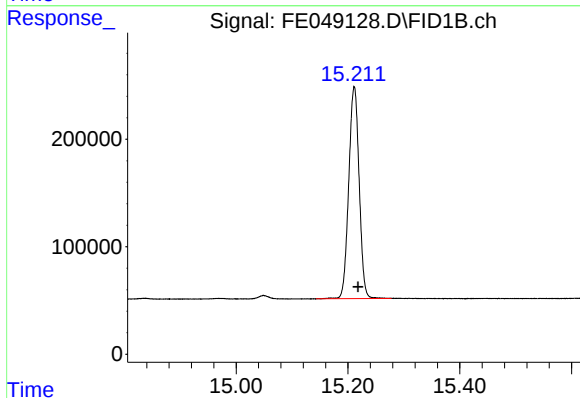
#13 n-Docosane (C22)

R.T.: 14.109 min
Delta R.T.: -0.007 min
Response: 2535191
Conc: 16.76 ug/ml

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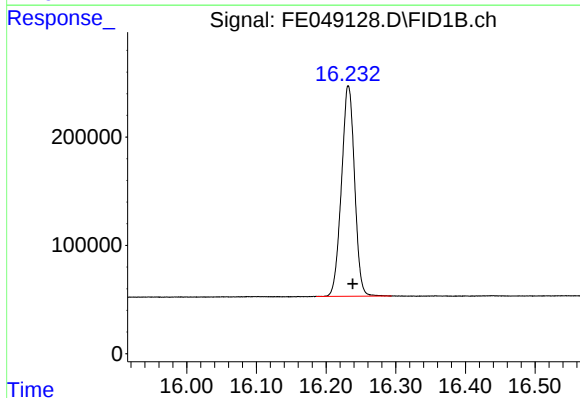
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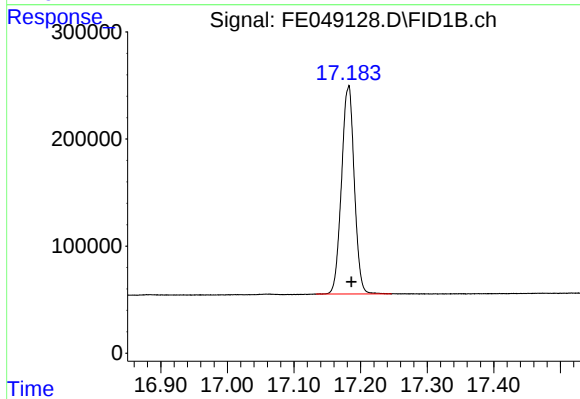
#14 n-Tetracosane (C24)

R.T.: 15.211 min
Delta R.T.: -0.007 min
Response: 2550398
Conc: 16.97 ug/ml



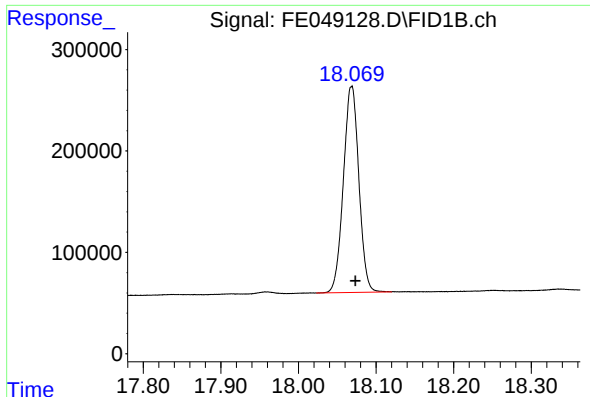
#15 n-Hexacosane (C26)

R.T.: 16.232 min
Delta R.T.: -0.006 min
Response: 2544763
Conc: 17.24 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.182 min
Delta R.T.: -0.004 min
Response: 2589377
Conc: 17.95 ug/ml



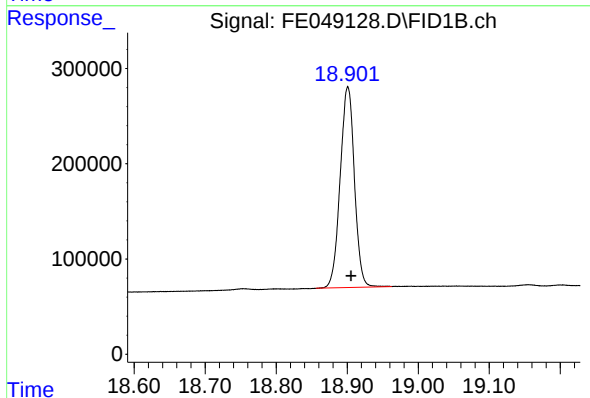
#17 n-Tricontane (C30)

R.T.: 18.069 min
Delta R.T.: -0.004 min
Response: 2822697
Conc: 19.29 ug/ml

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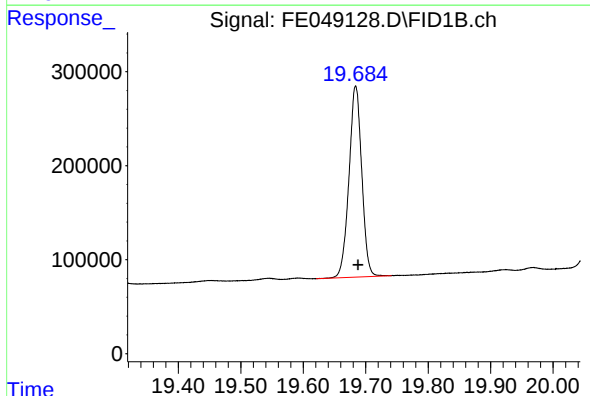
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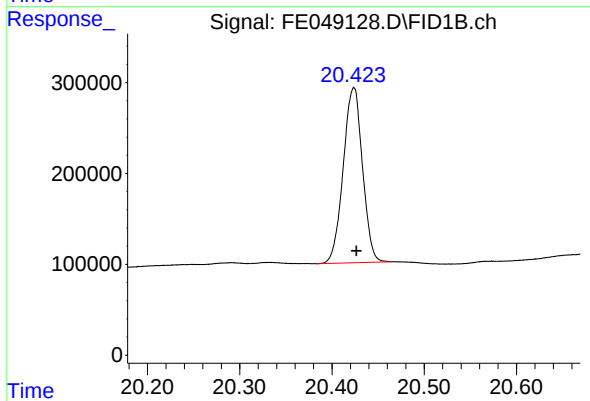
#18 n-Dotriacontane (C32)

R.T.: 18.901 min
Delta R.T.: -0.005 min
Response: 2942417
Conc: 20.58 ug/ml m



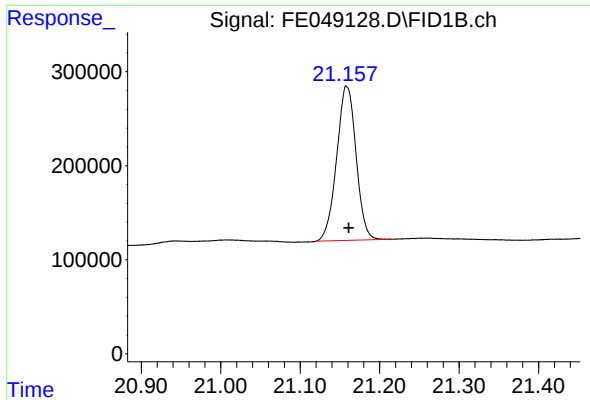
#19 n-Tetratriacontane (C34)

R.T.: 19.684 min
Delta R.T.: -0.004 min
Response: 2892285
Conc: 20.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.423 min
Delta R.T.: -0.003 min
Response: 2795954
Conc: 21.51 ug/ml m



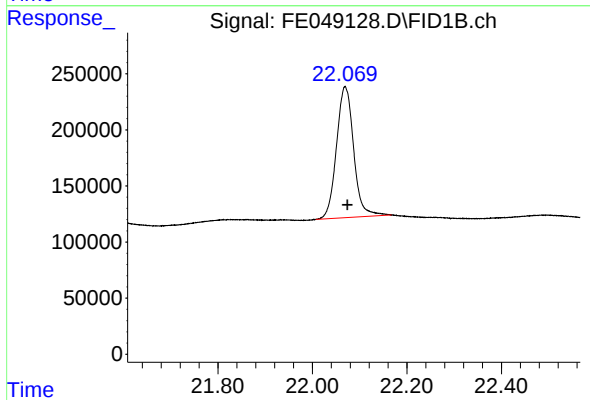
#21 n-Octatriacontane (C38)

R.T.: 21.159 min
Delta R.T.: -0.003 min
Response: 2784416
Conc: 21.72 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.069 min
Delta R.T.: -0.005 min
Response: 2943910
Conc: 24.04 ug/ml m