

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102924AL\
 Data File : FE050873.D
 Signal(s) : FID1B.ch
 Acq On : 29 Oct 2024 05:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/30/2024
 Supervised By :Ankita Jodhani 10/30/2024

Integration File: autoint1.e
 Quant Time: Oct 29 11:25:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.862	2947904	18.698 ug/ml
Spiked Amount 50.000		Recovery =	37.40%
12) S 1-chlorooctadecane (S...	13.296	2246934	18.995 ug/ml
Spiked Amount 50.000		Recovery =	37.99%
Target Compounds			
1) T n-Nonane (C9)	3.249	2650887	18.762 ug/ml
2) T n-Decane (C10)	4.499	2738775	19.089 ug/ml
3) T A~Naphthalene (C11.7)	6.212	2668894	18.665 ug/ml
4) T n-Dodecane (C12)	6.666	2752135	19.121 ug/ml
5) T A~2-methylnaphthalene...	7.308	2535342	19.138 ug/ml
6) T n-Tetradecane (C14)	8.494	2725516	19.051 ug/ml
7) T n-Hexadecane (C16)	10.099	2817063	19.142 ug/ml
8) T n-Octadecane (C18)	11.541	2839004	19.007 ug/ml
10) T n-Eicosane (C20)	12.849	2728055	19.024 ug/ml
11) T n-Heneicosane (C21)	13.459	2646448	18.845 ug/ml
13) T n-Docosane (C22)	14.046	2736436	19.505 ug/ml
14) T n-Tetracosane (C24)	15.148	2982944	21.114 ug/ml
15) T n-Hexacosane (C26)	16.168	3084568	21.920 ug/ml
16) T n-Octacosane (C28)	17.116	3309077	22.614 ug/ml
17) T n-Tricontane (C30)	18.004	3731241	23.467 ug/ml
18) T n-Dotriacontane (C32)	18.835	3753956	23.156 ug/ml
19) T n-Tetratriacontane (C34)	19.619	3296631	22.443 ug/ml
20) T n-Hexatriacontane (C36)	20.358	2710591	21.375 ug/ml
21) T n-Octatriacontane (C38)	21.083	2627176	21.247 ug/ml
22) T n-Tetracontane (C40)	21.971	1839052	16.516 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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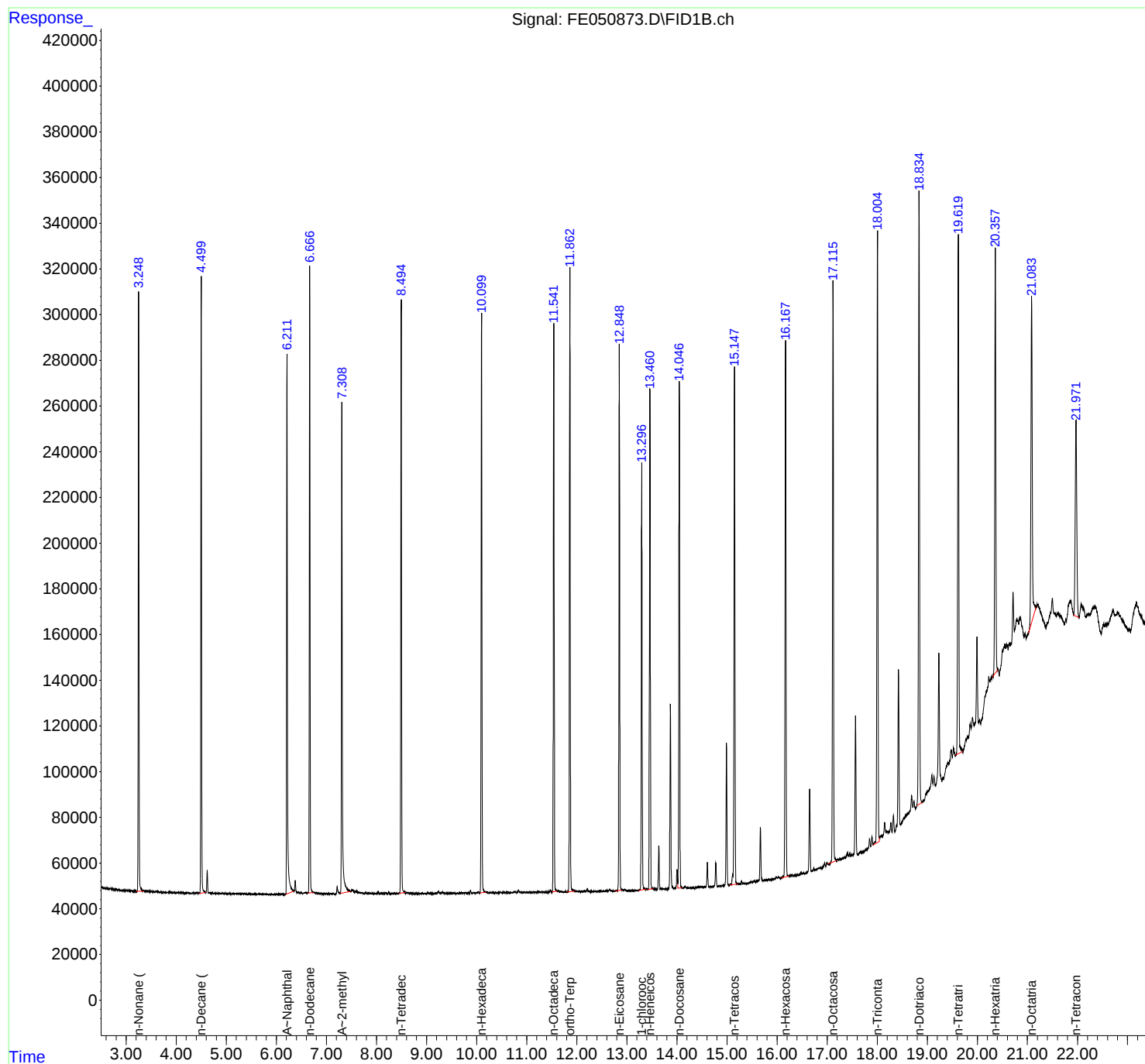
Instrument :
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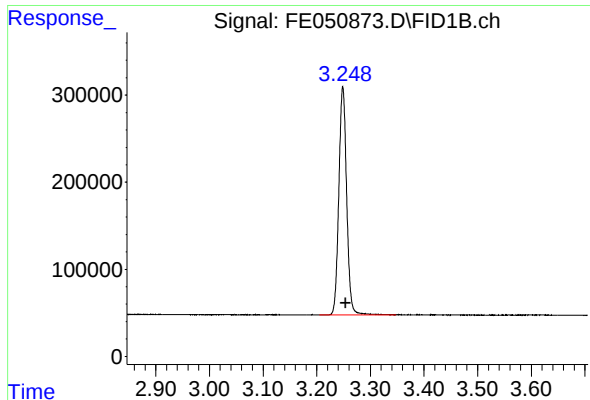
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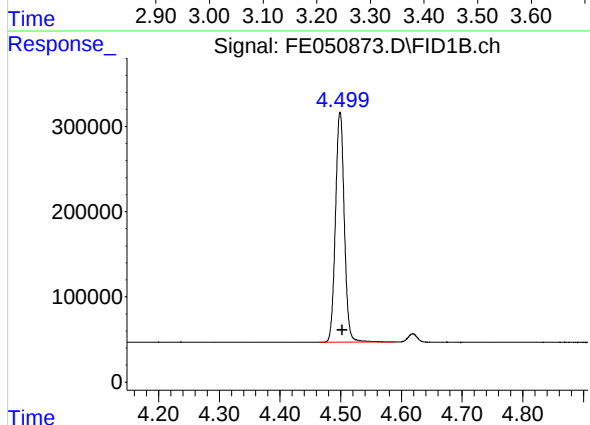
#1 n-Nonane (C9)

R.T.: 3.249 min
Delta R.T.: -0.005 min
Response: 2650887
Conc: 18.76 ug/ml

Instrument :
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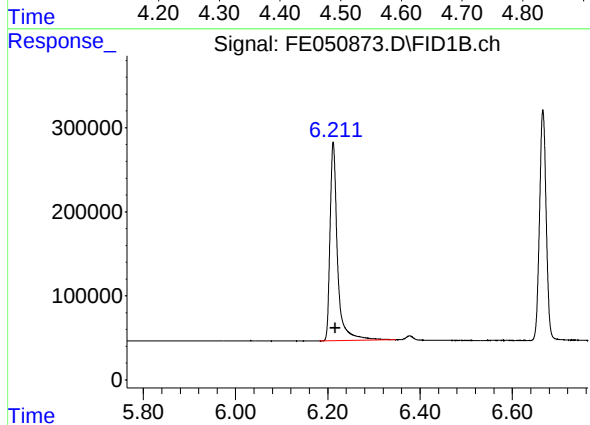
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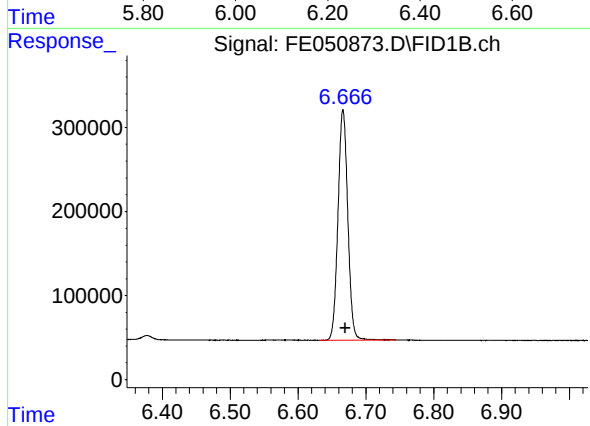
#2 n-Decane (C10)

R.T.: 4.499 min
Delta R.T.: -0.004 min
Response: 2738775
Conc: 19.09 ug/ml



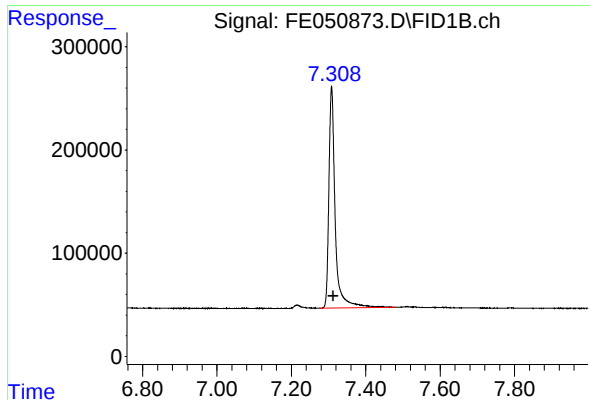
#3 A~Naphthalene (C11.7)

R.T.: 6.212 min
Delta R.T.: -0.005 min
Response: 2668894
Conc: 18.66 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.666 min
Delta R.T.: -0.003 min
Response: 2752135
Conc: 19.12 ug/ml



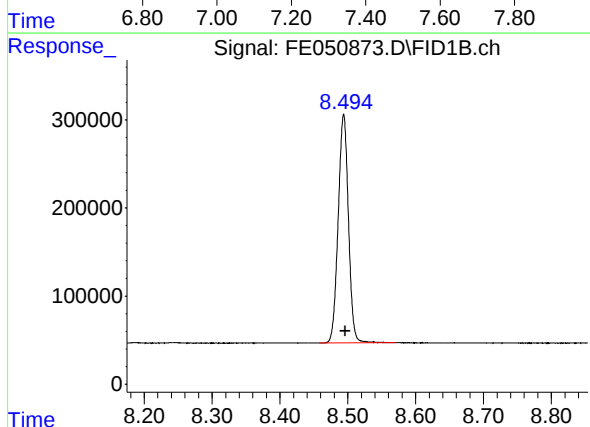
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.005 min
Response: 2535342
Conc: 19.14 ug/ml

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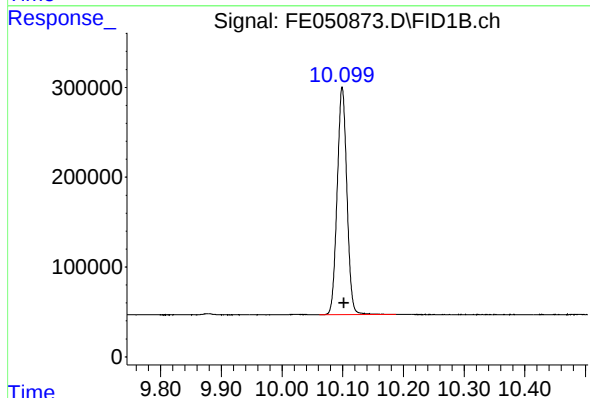
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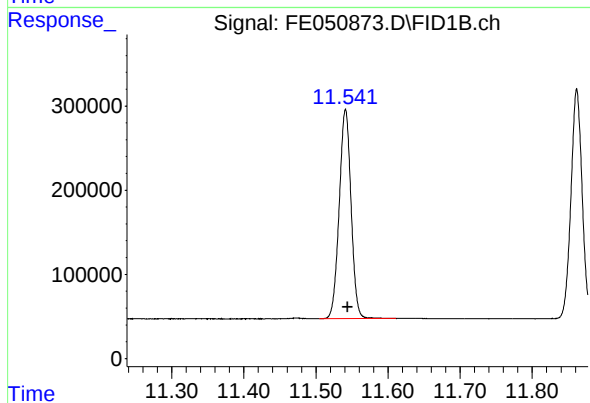
#6 n-Tetradecane (C14)

R.T.: 8.494 min
Delta R.T.: -0.003 min
Response: 2725516
Conc: 19.05 ug/ml



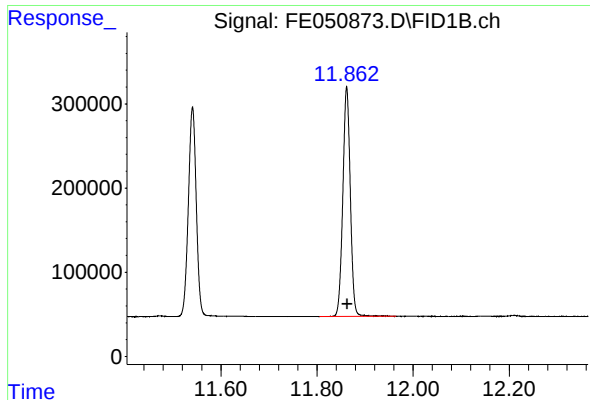
#7 n-Hexadecane (C16)

R.T.: 10.099 min
Delta R.T.: -0.003 min
Response: 2817063
Conc: 19.14 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.003 min
Response: 2839004
Conc: 19.01 ug/ml



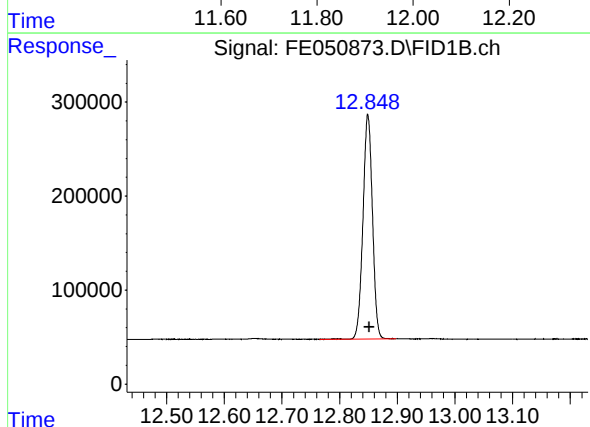
#9 ortho-Terphenyl (SURR)

R.T.: 11.862 min
Delta R.T.: -0.001 min
Response: 2947904
Conc: 18.70 ug/ml

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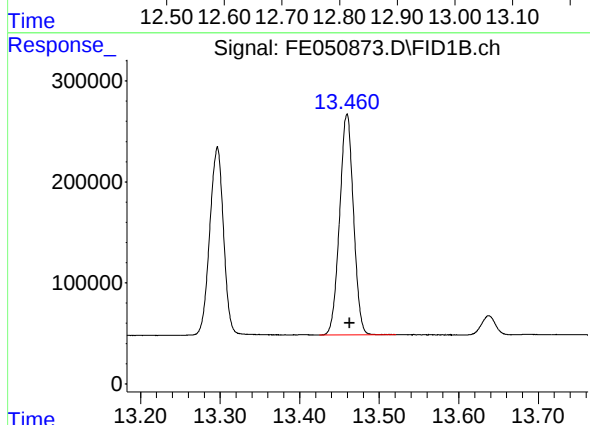
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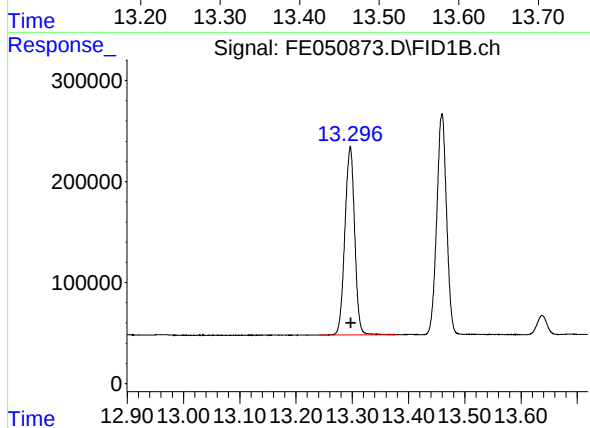
#10 n-Eicosane (C20)

R.T.: 12.849 min
Delta R.T.: -0.002 min
Response: 2728055
Conc: 19.02 ug/ml



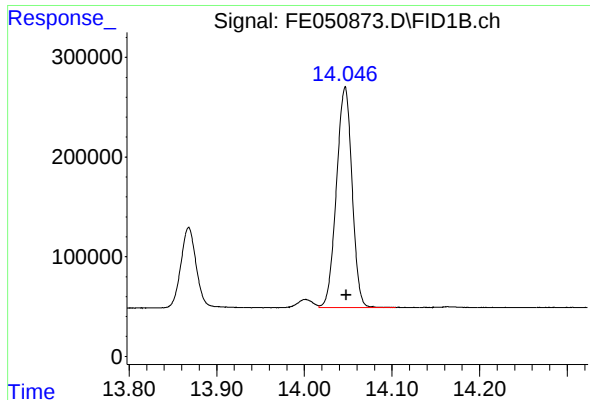
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.003 min
Response: 2646448
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.296 min
Delta R.T.: -0.002 min
Response: 2246934
Conc: 18.99 ug/ml



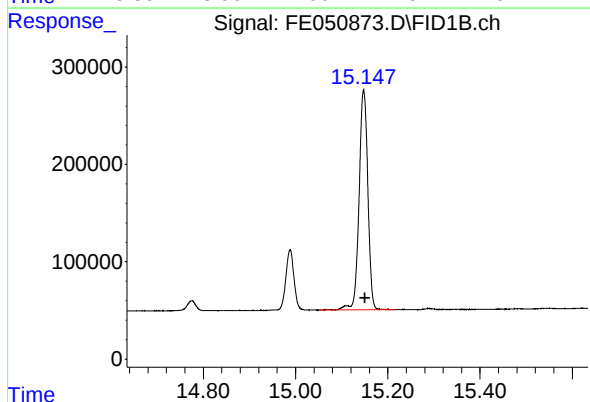
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.002 min
Response: 2736436
Conc: 19.50 ug/ml

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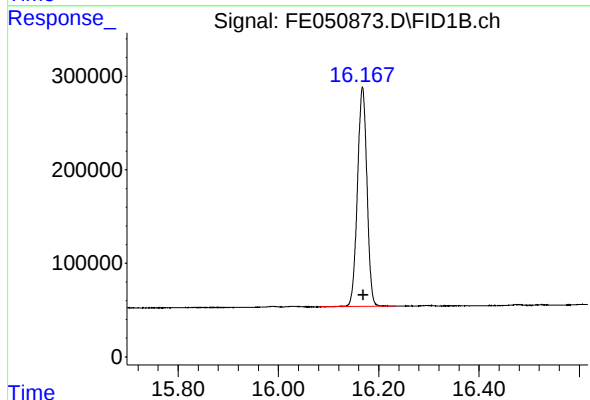
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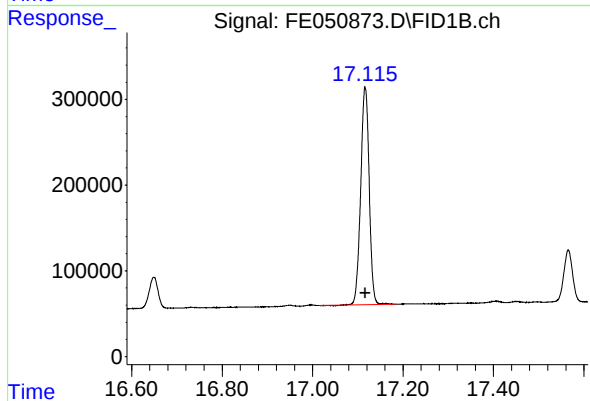
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.002 min
Response: 2982944
Conc: 21.11 ug/ml



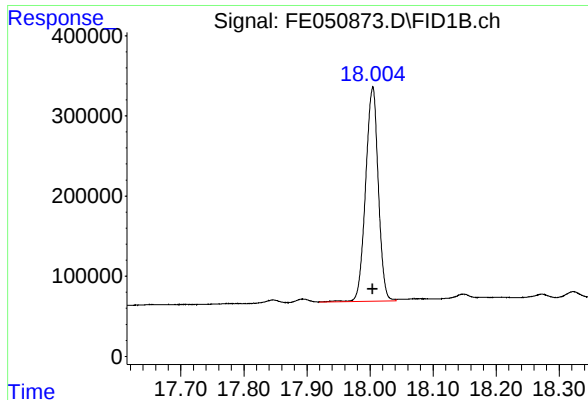
#15 n-Hexacosane (C26)

R.T.: 16.168 min
Delta R.T.: -0.002 min
Response: 3084568
Conc: 21.92 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: 0.000 min
Response: 3309077
Conc: 22.61 ug/ml



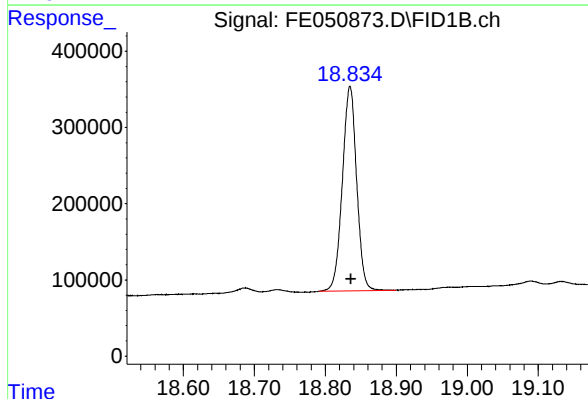
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: 0.000 min
Response: 3731241
Conc: 23.47 ug/ml

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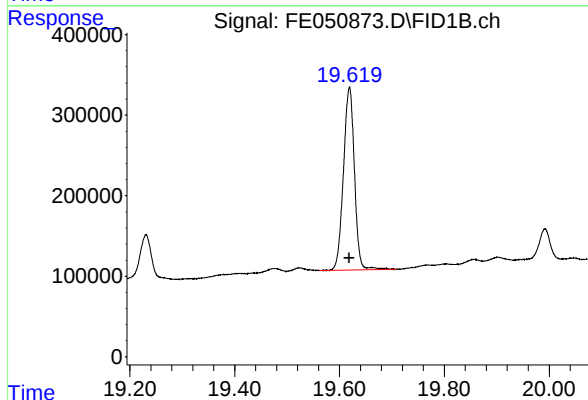
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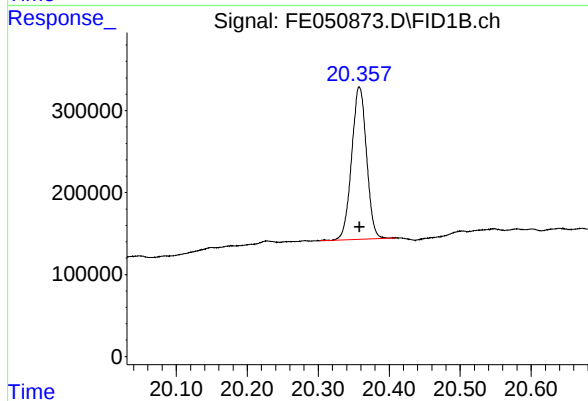
#18 n-Dotriacontane (C32)

R.T.: 18.835 min
Delta R.T.: -0.002 min
Response: 3753956
Conc: 23.16 ug/ml



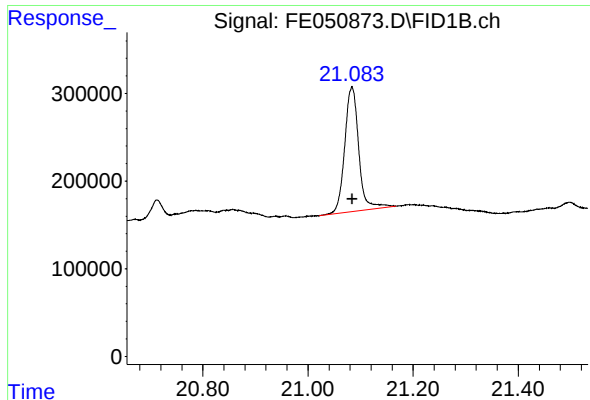
#19 n-Tetratriacontane (C34)

R.T.: 19.619 min
Delta R.T.: 0.000 min
Response: 3296631
Conc: 22.44 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.358 min
Delta R.T.: 0.000 min
Response: 2710591
Conc: 21.37 ug/ml



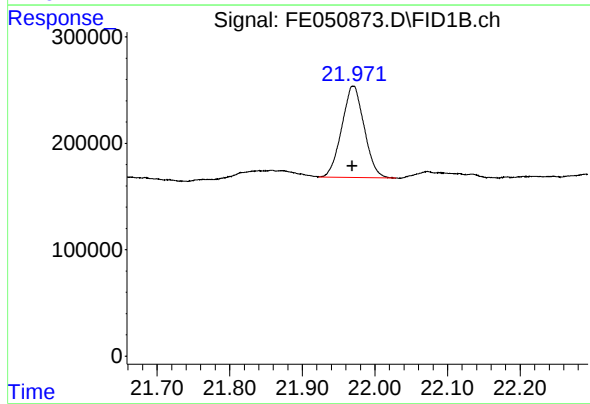
#21 n-Octatriacontane (C38)

R.T.: 21.083 min
Delta R.T.: 0.000 min
Response: 2627176
Conc: 21.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: 0.002 min
Response: 1839052
Conc: 16.52 ug/ml m