

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE032723AL\
 Data File : FE041039.D
 Signal(s) : FID1B.ch
 Acq On : 27 Mar 2023 20:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/28/2023
 Supervised By :Ankita Jodhani 03/28/2023

Integration File: autoint1.e
 Quant Time: Mar 28 03:25:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032523.M
 Quant Title : GC Extractables
 QLast Update : Sat Mar 25 06:32:15 2023
 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)	11.870	3579183	19.044 ug/ml
Spiked Amount 50.000		Recovery =	38.09%
12) S 1-chlorooctadecane (S...	13.309	2727498	18.957 ug/ml
Spiked Amount 50.000		Recovery =	37.91%
Target Compounds			
1) T n-Nonane (C9)	3.266	3294330	18.986 ug/ml
2) T n-Decane (C10)	4.513	3250828	19.098 ug/ml
3) T A~Naphthalene (C11.7)	6.217	3561638	19.472 ug/ml
4) T n-Dodecane (C12)	6.678	3296144	19.002 ug/ml
5) T A~2-methylnaphthalene...	7.312	3291436	19.874 ug/ml
6) T n-Tetradecane (C14)	8.504	3313699	19.004 ug/ml
7) T n-Hexadecane (C16)	10.112	3369640	18.946 ug/ml
8) T n-Octadecane (C18)	11.554	3366453	18.854 ug/ml
10) T n-Eicosane (C20)	12.864	3222144	18.890 ug/ml
11) T n-Heneicosane (C21)	13.475	3186802	18.836 ug/ml
13) T n-Docosane (C22)	14.063	3111793	18.804 ug/ml
14) T n-Tetracosane (C24)	15.166	3024555	18.695 ug/ml
15) T n-Hexacosane (C26)	16.188	2922130	18.851 ug/ml
16) T n-Octacosane (C28)	17.140	2878384	18.791 ug/ml
17) T n-Tricontane (C30)	18.029	2824483	18.478 ug/ml
18) T n-Dotriacontane (C32)	18.862	2941480	18.840 ug/ml
19) T n-Tetratriacontane (C34)	19.648	2963019	19.120 ug/ml
20) T n-Hexatriacontane (C36)	20.389	3028933	19.940 ug/mlm
21) T n-Octatriacontane (C38)	21.120	3115110	19.941 ug/ml
22) T n-Tetracontane (C40)	22.009	3318928	20.795 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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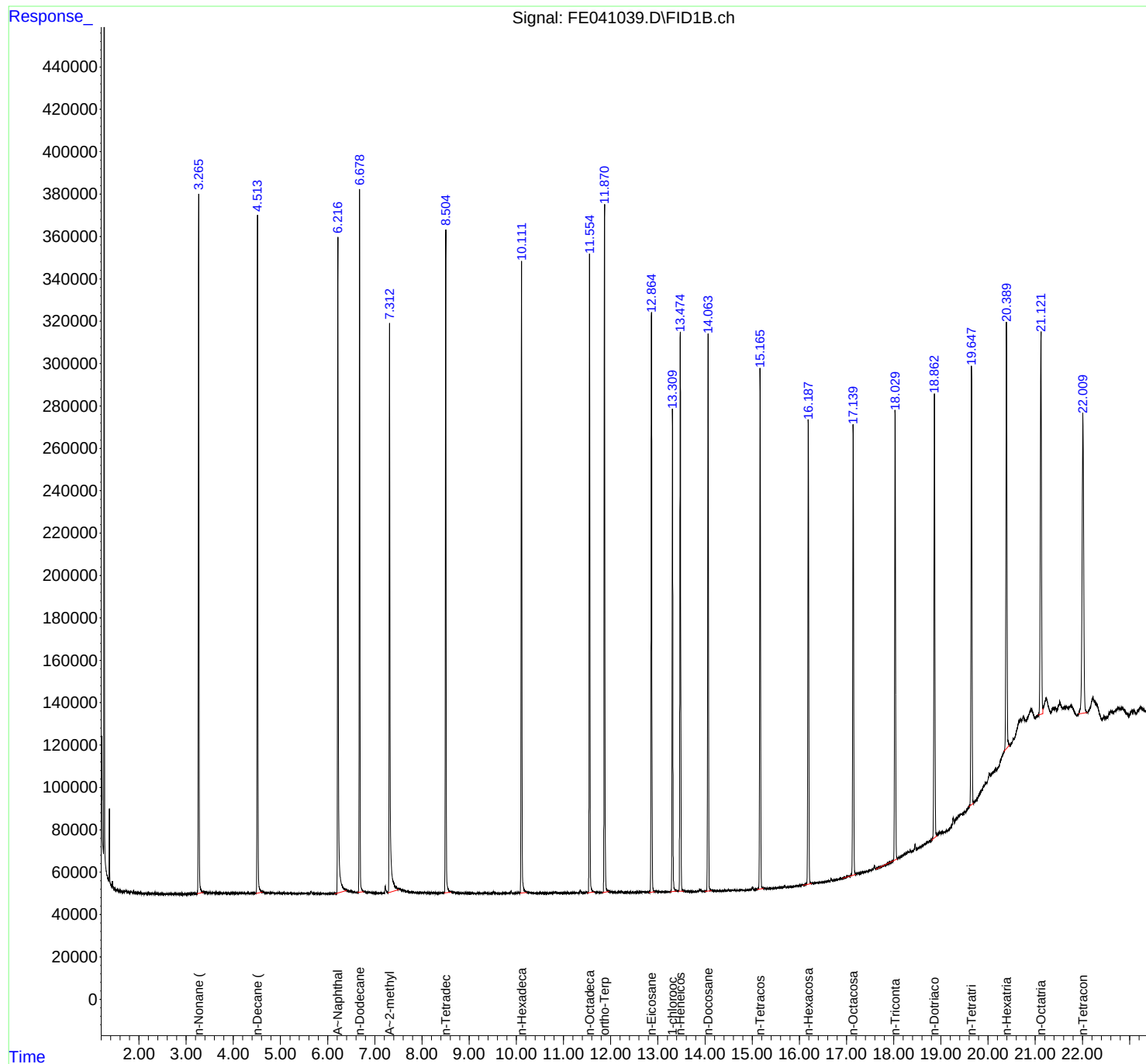
Instrument :
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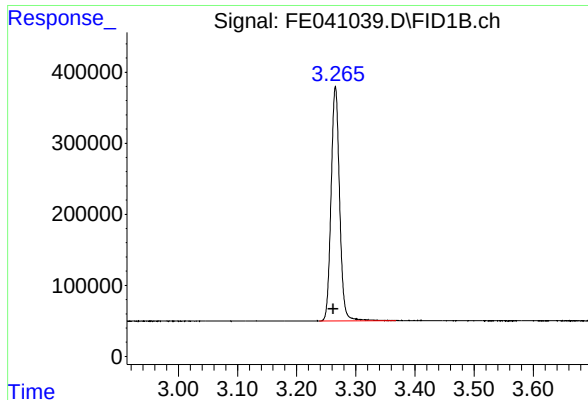
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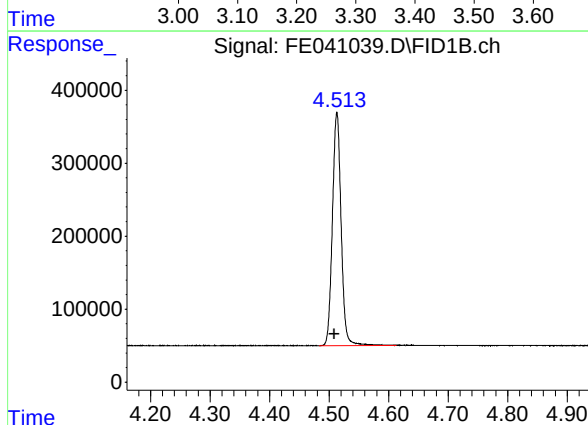
#1 n-Nonane (C9)

R.T.: 3.266 min
Delta R.T.: 0.004 min
Response: 3294330
Conc: 18.99 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

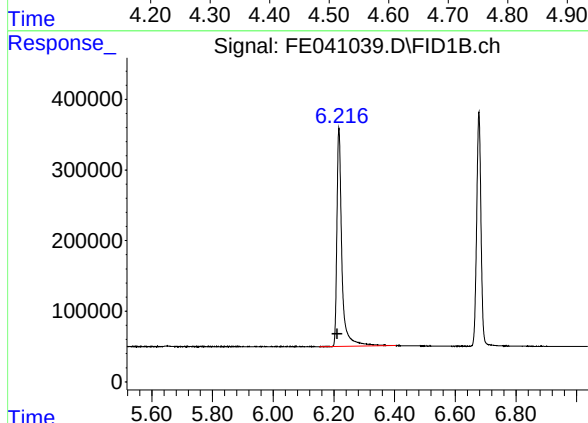
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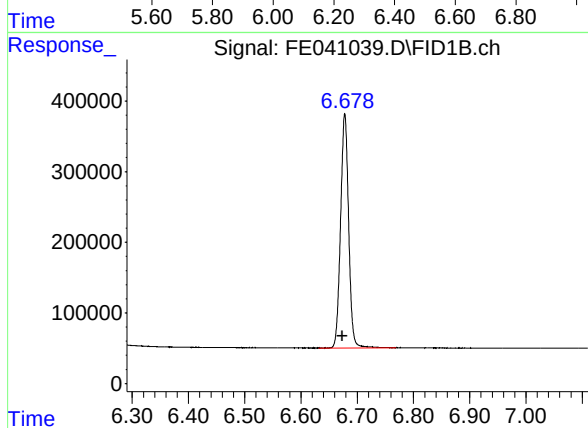
#2 n-Decane (C10)

R.T.: 4.513 min
Delta R.T.: 0.004 min
Response: 3250828
Conc: 19.10 ug/ml



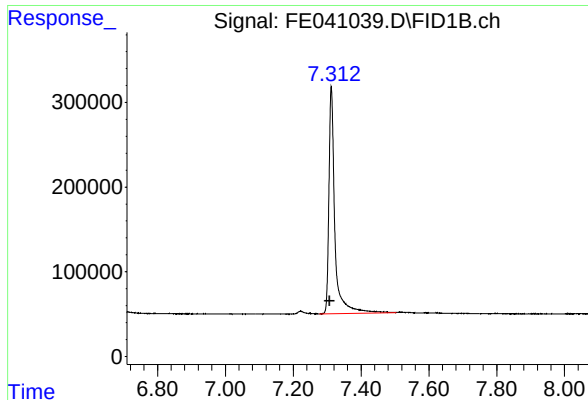
#3 A~Naphthalene (C11.7)

R.T.: 6.217 min
Delta R.T.: 0.005 min
Response: 3561638
Conc: 19.47 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.678 min
Delta R.T.: 0.004 min
Response: 3296144
Conc: 19.00 ug/ml



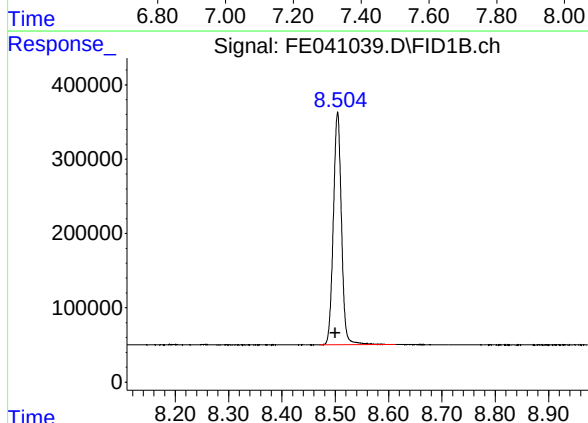
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: 0.005 min
Response: 3291436
Conc: 19.87 ug/ml

Instrument :
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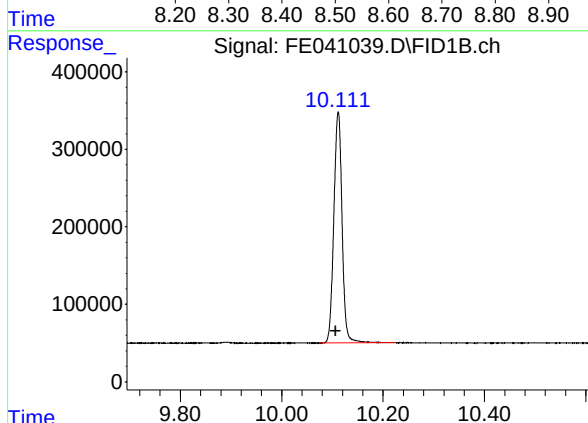
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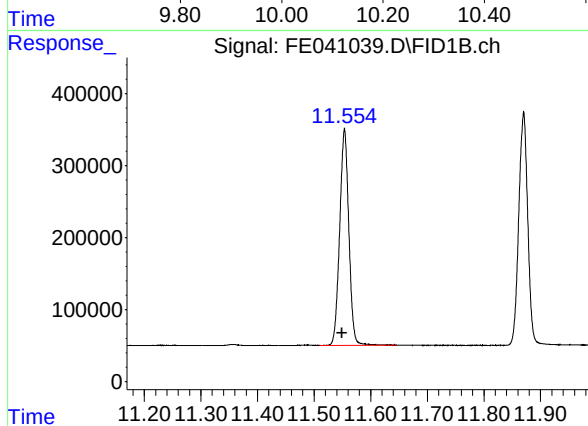
#6 n-Tetradecane (C14)

R.T.: 8.504 min
Delta R.T.: 0.004 min
Response: 3313699
Conc: 19.00 ug/ml



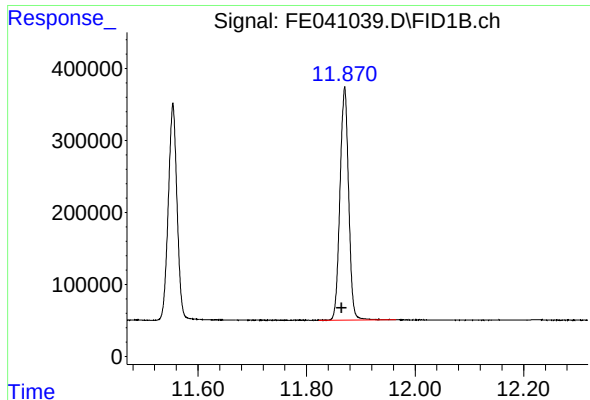
#7 n-Hexadecane (C16)

R.T.: 10.112 min
Delta R.T.: 0.005 min
Response: 3369640
Conc: 18.95 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: 0.004 min
Response: 3366453
Conc: 18.85 ug/ml



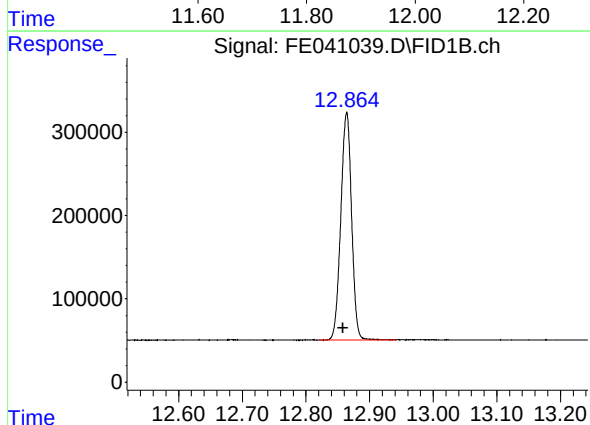
#9 ortho-Terphenyl (SURR)

R.T.: 11.870 min
Delta R.T.: 0.005 min
Response: 3579183
Conc: 19.04 ug/ml

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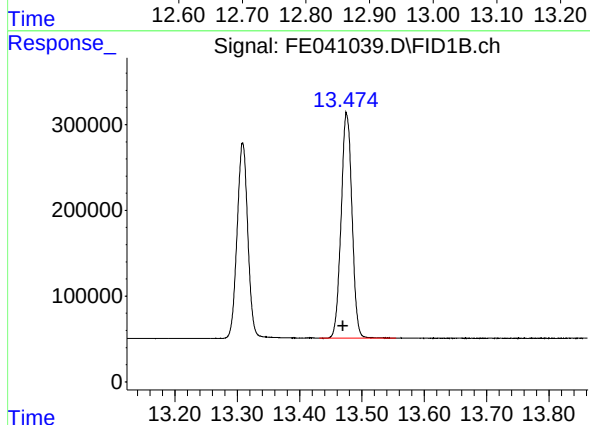
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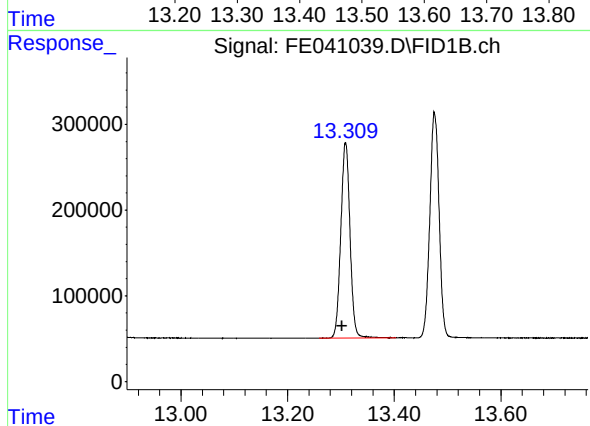
#10 n-Eicosane (C20)

R.T.: 12.864 min
Delta R.T.: 0.006 min
Response: 3222144
Conc: 18.89 ug/ml



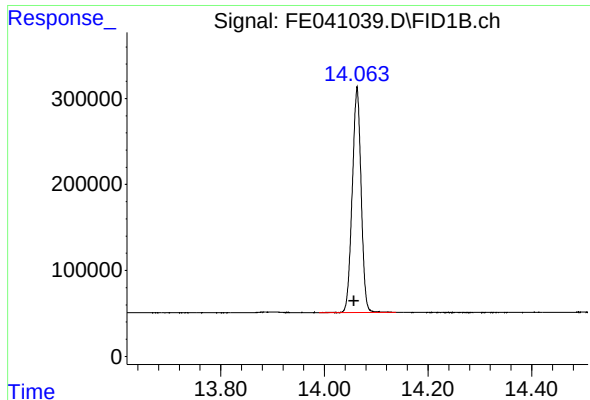
#11 n-Heneicosane (C21)

R.T.: 13.475 min
Delta R.T.: 0.005 min
Response: 3186802
Conc: 18.84 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.309 min
Delta R.T.: 0.007 min
Response: 2727498
Conc: 18.96 ug/ml



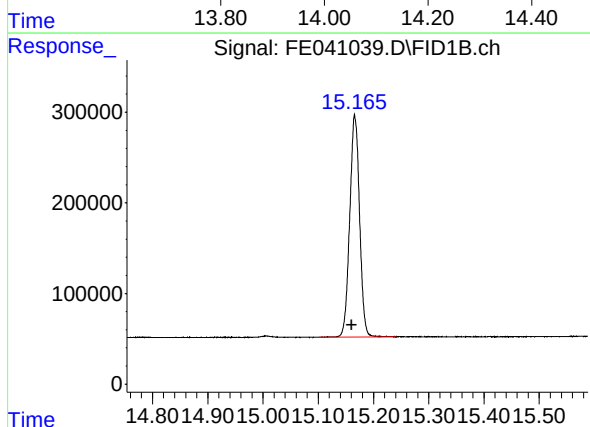
#13 n-Docosane (C22)

R.T.: 14.063 min
Delta R.T.: 0.006 min
Response: 3111793
Conc: 18.80 ug/ml

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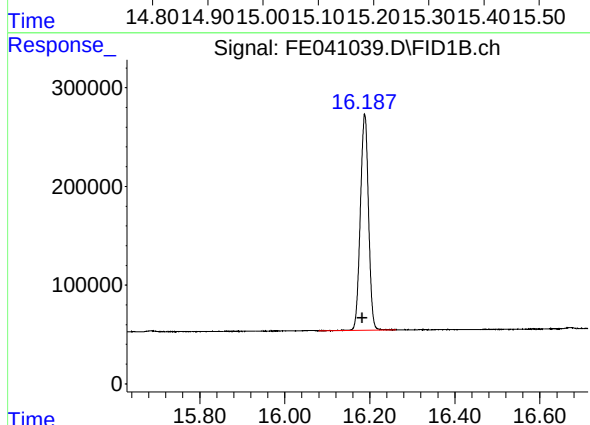
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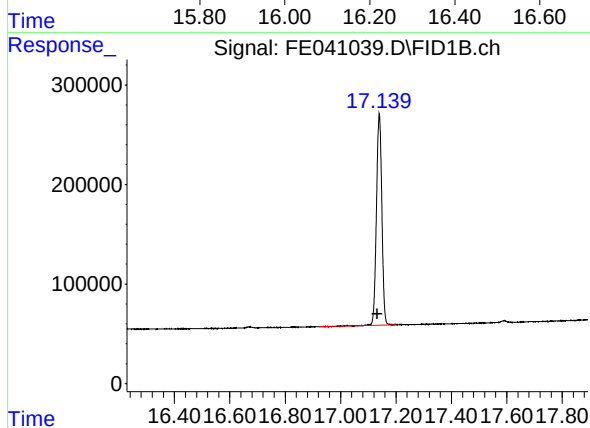
#14 n-Tetracosane (C24)

R.T.: 15.166 min
Delta R.T.: 0.005 min
Response: 3024555
Conc: 18.69 ug/ml



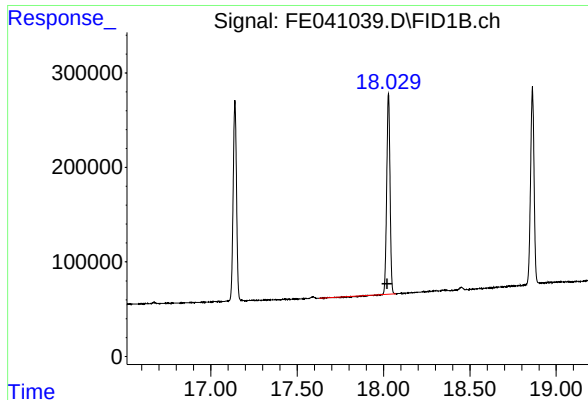
#15 n-Hexacosane (C26)

R.T.: 16.188 min
Delta R.T.: 0.006 min
Response: 2922130
Conc: 18.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.140 min
Delta R.T.: 0.007 min
Response: 2878384
Conc: 18.79 ug/ml



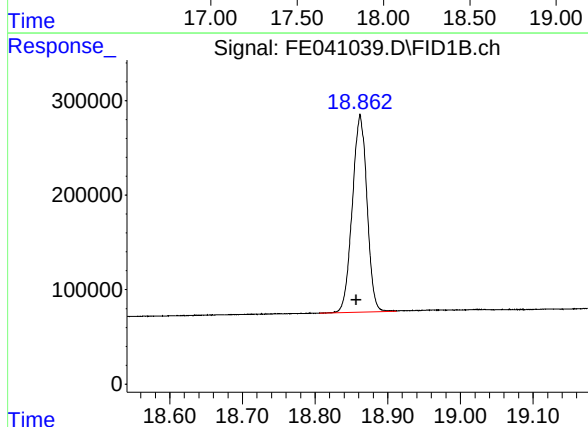
#17 n-Tricontane (C30)

R.T.: 18.029 min
Delta R.T.: 0.006 min
Response: 2824483
Conc: 18.48 ug/ml

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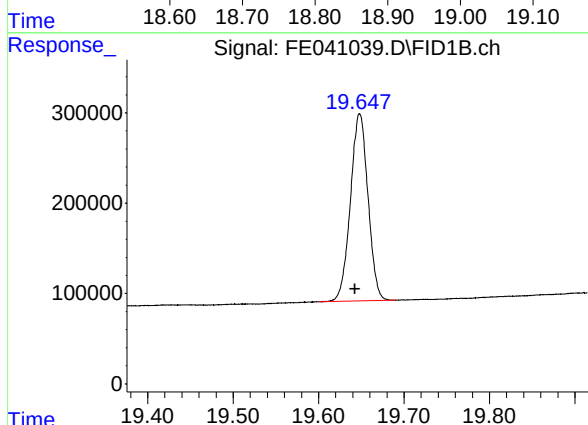
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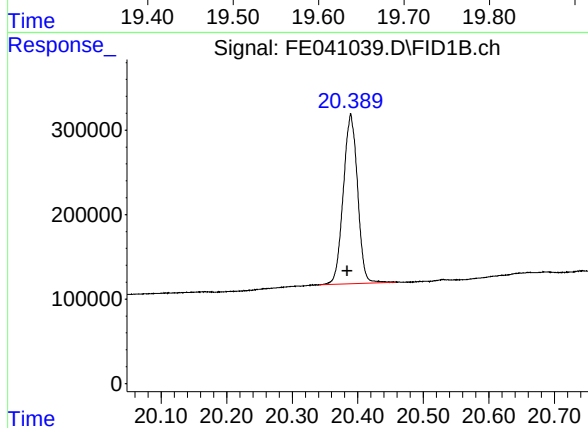
#18 n-Dotriacontane (C32)

R.T.: 18.862 min
Delta R.T.: 0.005 min
Response: 2941480
Conc: 18.84 ug/ml



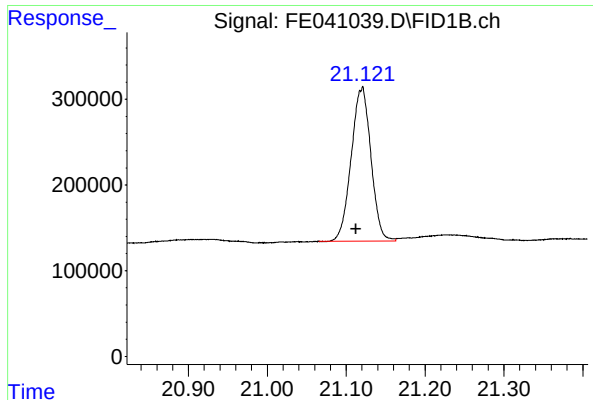
#19 n-Tetatriacontane (C34)

R.T.: 19.648 min
Delta R.T.: 0.006 min
Response: 2963019
Conc: 19.12 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.389 min
Delta R.T.: 0.005 min
Response: 3028933
Conc: 19.94 ug/ml m



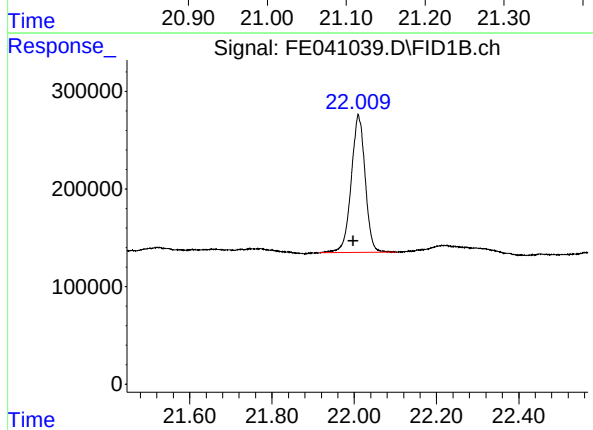
#21 n-Octatriacontane (C38)

R.T.: 21.120 min
Delta R.T.: 0.008 min
Response: 3115110
Conc: 19.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.009 min
Delta R.T.: 0.011 min
Response: 3318928
Conc: 20.79 ug/ml m