

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121324AL\
 Data File : FE051646.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2024 11:44
 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 12/16/2024
 Supervised By :Ankita Jodhani 12/16/2024

Integration File: autoint1.e
 Quant Time: Dec 14 00:48:29 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121224.M
 Quant Title : GC Extractables
 QLast Update : Thu Dec 12 15:49:08 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)	11.985	2943420	19.040 ug/ml
Spiked Amount 50.000		Recovery =	38.08%
12) S 1-chlorooctadecane (S...	13.405	2331689	18.784 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
Target Compounds			
1) T n-Nonane (C9)	3.471	2124868	18.265 ug/ml
2) T n-Decane (C10)	4.702	2234263	18.708 ug/ml
3) T A~Naphthalene (C11.7)	6.385	2540881	18.853 ug/ml
4) T n-Dodecane (C12)	6.834	2332521	18.987 ug/ml
5) T A~2-methylnaphthalene...	7.465	2521220	19.015 ug/ml
6) T n-Tetradecane (C14)	8.643	2406010	19.175 ug/ml
7) T n-Hexadecane (C16)	10.235	2583840	19.224 ug/ml
8) T n-Octadecane (C18)	11.665	2693851	19.075 ug/ml
10) T n-Eicosane (C20)	12.964	2669565	18.934 ug/ml
11) T n-Heneicosane (C21)	13.570	2672722	18.825 ug/ml
13) T n-Docosane (C22)	14.150	2678923	18.826 ug/ml
14) T n-Tetracosane (C24)	15.243	2745077	18.788 ug/ml
15) T n-Hexacosane (C26)	16.254	2732138	18.775 ug/ml
16) T n-Octacosane (C28)	17.195	2758430	18.895 ug/ml
17) T n-Tricontane (C30)	18.075	2915707	19.123 ug/ml
18) T n-Dotriacontane (C32)	18.899	2914695	19.447 ug/ml
19) T n-Tetratriacontane (C34)	19.675	2517964	19.183 ug/ml
20) T n-Hexatriacontane (C36)	20.408	2189872	18.884 ug/ml
21) T n-Octatriacontane (C38)	21.139	1934334	18.786 ug/ml
22) T n-Tetracontane (C40)	22.047	1806618	18.041 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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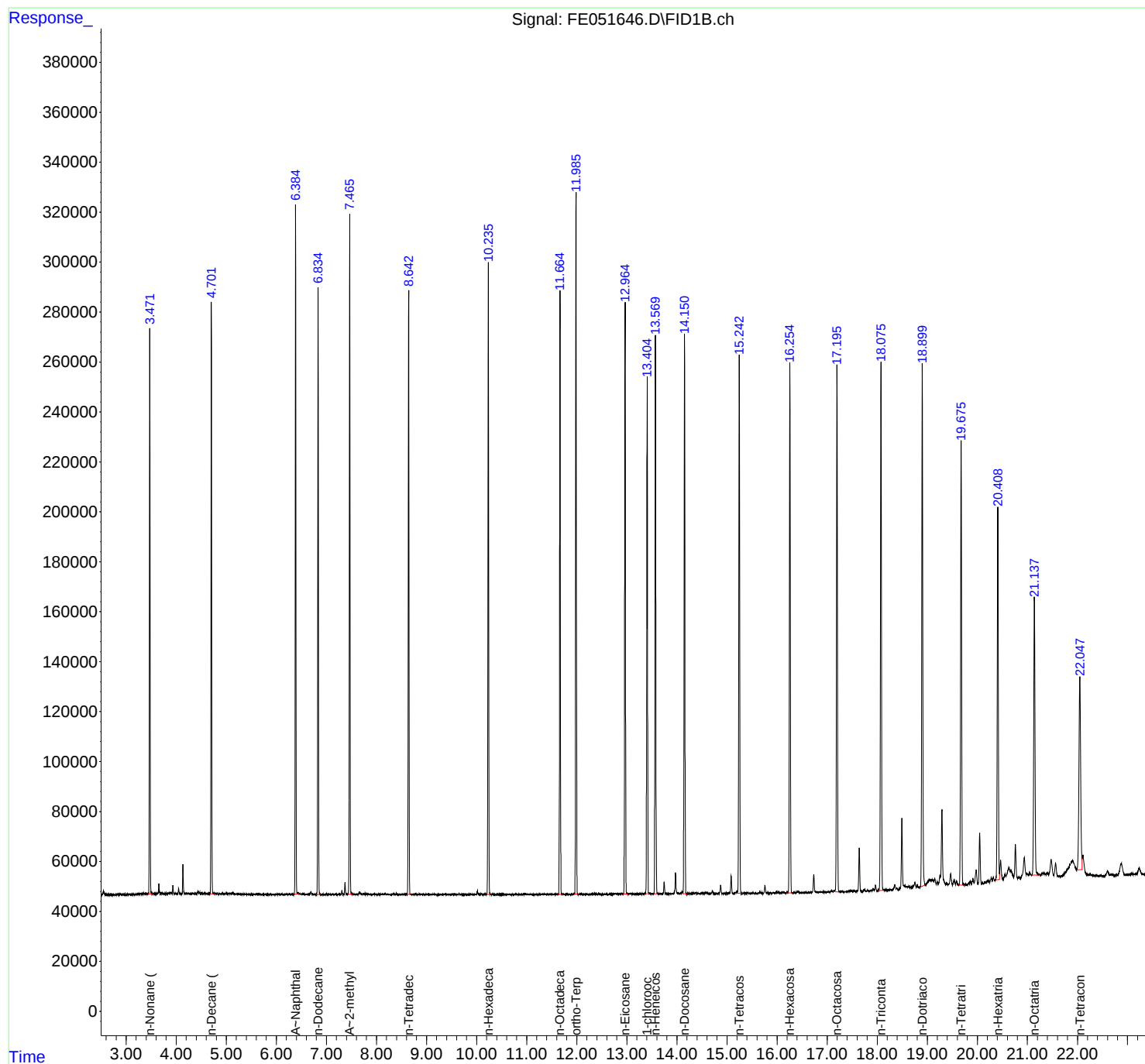
Instrument :
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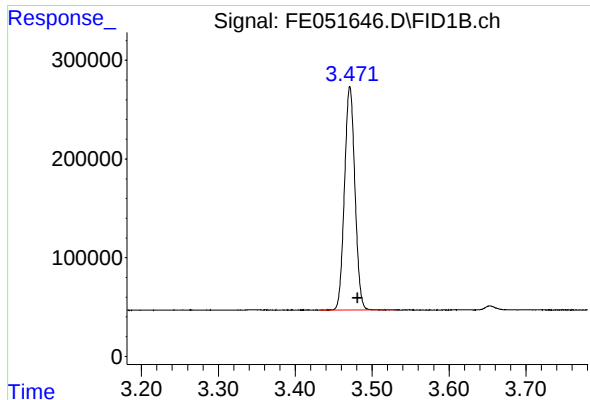
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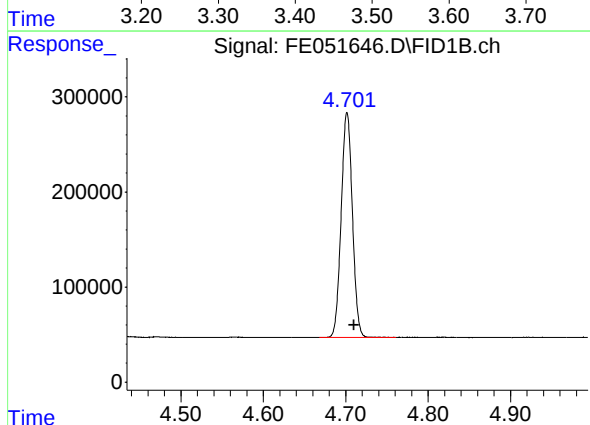
#1 n-Nonane (C9)

R.T.: 3.471 min
Delta R.T.: -0.010 min
Response: 2124868
Conc: 18.27 ug/ml

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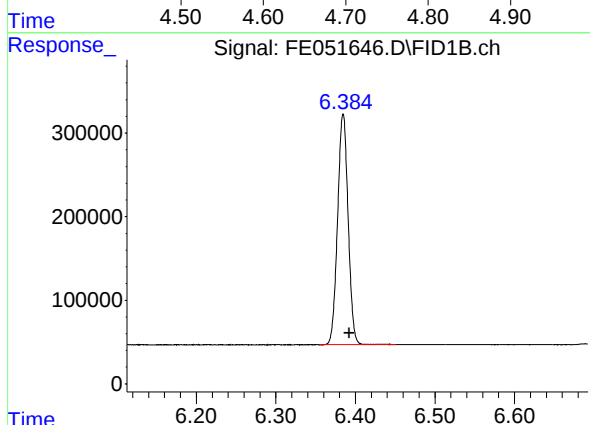
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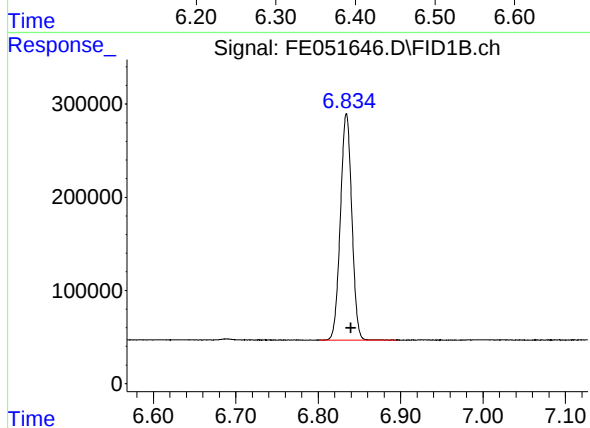
#2 n-Decane (C10)

R.T.: 4.702 min
Delta R.T.: -0.008 min
Response: 2234263
Conc: 18.71 ug/ml



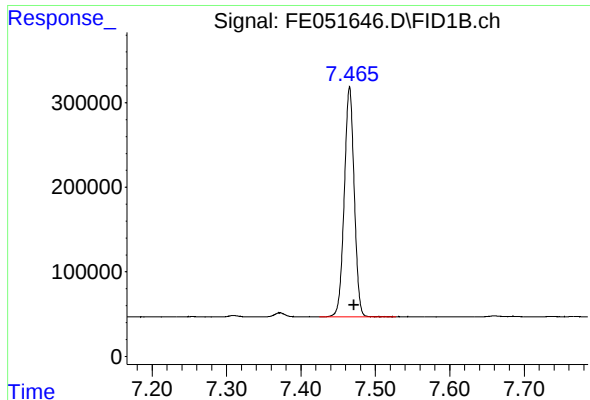
#3 A~Naphthalene (C11.7)

R.T.: 6.385 min
Delta R.T.: -0.008 min
Response: 2540881
Conc: 18.85 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.834 min
Delta R.T.: -0.005 min
Response: 2332521
Conc: 18.99 ug/ml



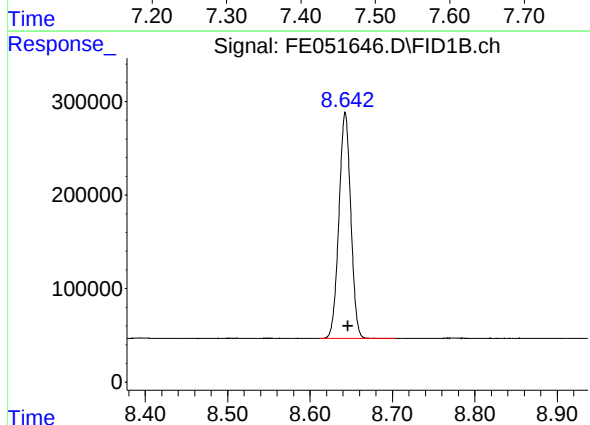
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.465 min
Delta R.T.: -0.006 min
Response: 2521220
Conc: 19.02 ug/ml

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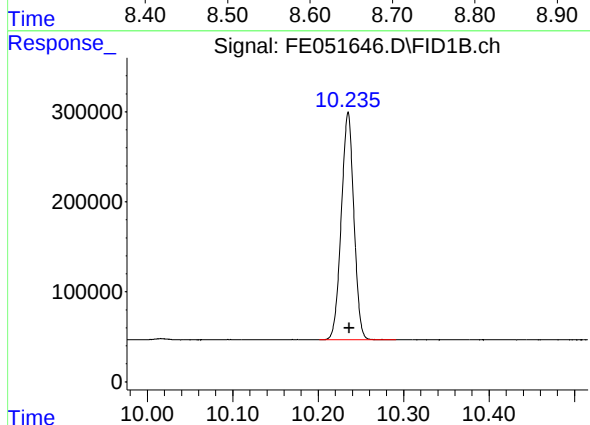
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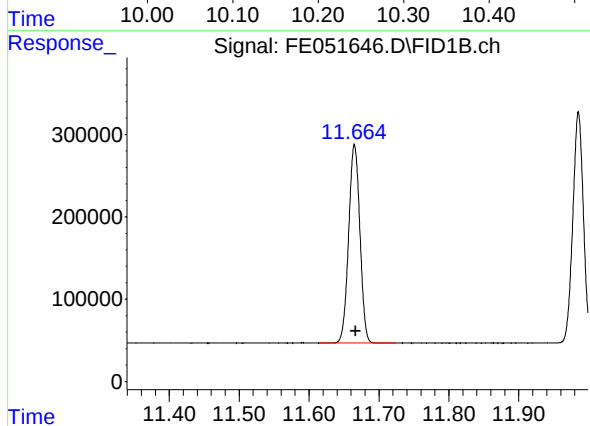
#6 n-Tetradecane (C14)

R.T.: 8.643 min
Delta R.T.: -0.003 min
Response: 2406010
Conc: 19.17 ug/ml



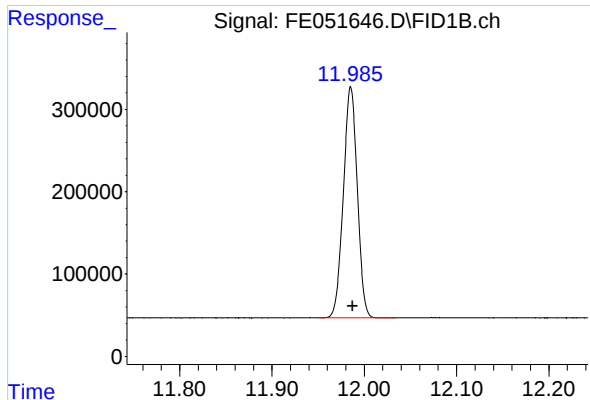
#7 n-Hexadecane (C16)

R.T.: 10.235 min
Delta R.T.: -0.001 min
Response: 2583840
Conc: 19.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.665 min
Delta R.T.: -0.001 min
Response: 2693851
Conc: 19.08 ug/ml



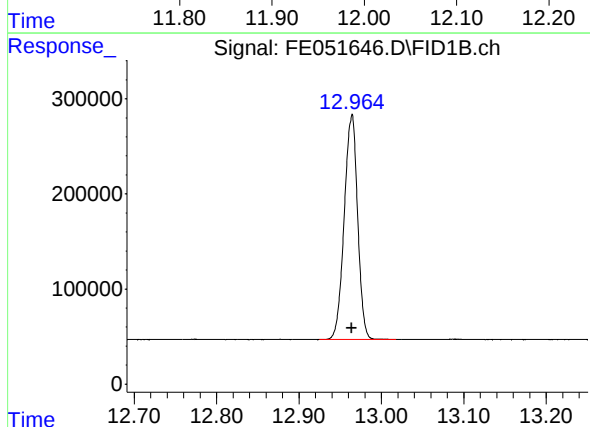
#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min
Delta R.T.: -0.002 min
Response: 2943420
Conc: 19.04 ug/ml

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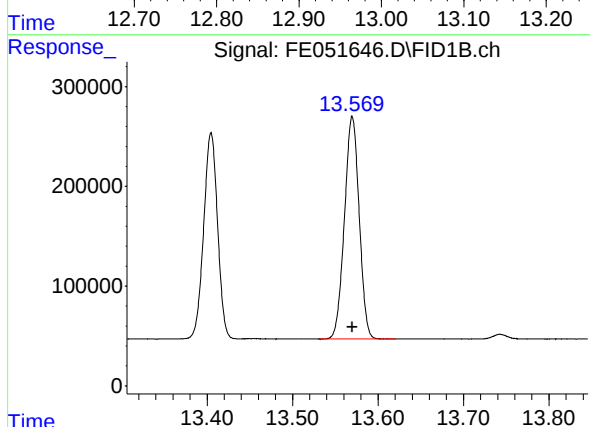
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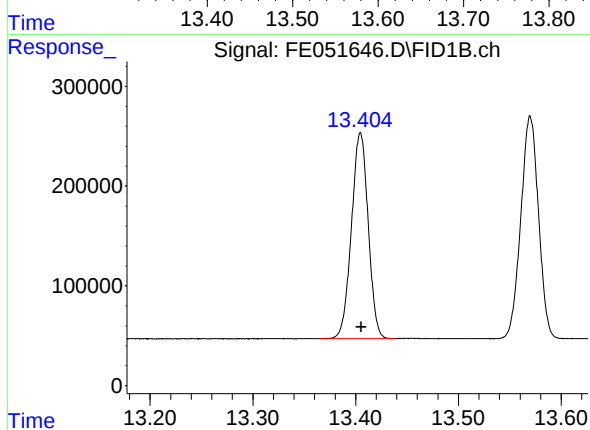
#10 n-Eicosane (C20)

R.T.: 12.964 min
Delta R.T.: 0.000 min
Response: 2669565
Conc: 18.93 ug/ml



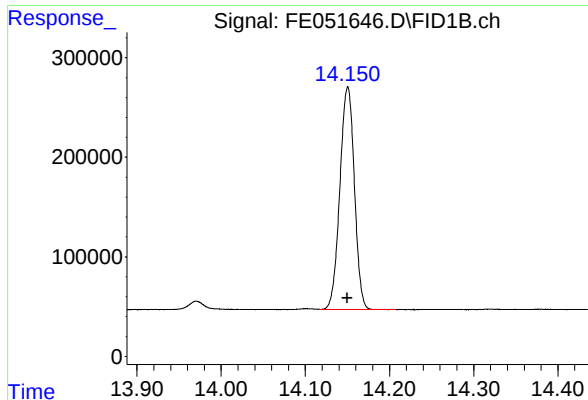
#11 n-Heneicosane (C21)

R.T.: 13.570 min
Delta R.T.: 0.000 min
Response: 2672722
Conc: 18.82 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.405 min
Delta R.T.: 0.000 min
Response: 2331689
Conc: 18.78 ug/ml



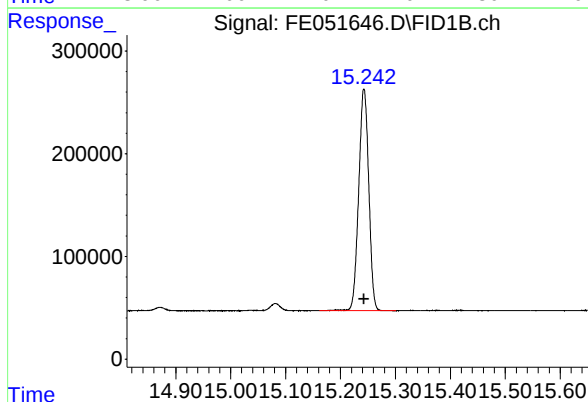
#13 n-Docosane (C22)

R.T.: 14.150 min
Delta R.T.: 0.000 min
Response: 2678923
Conc: 18.83 ug/ml

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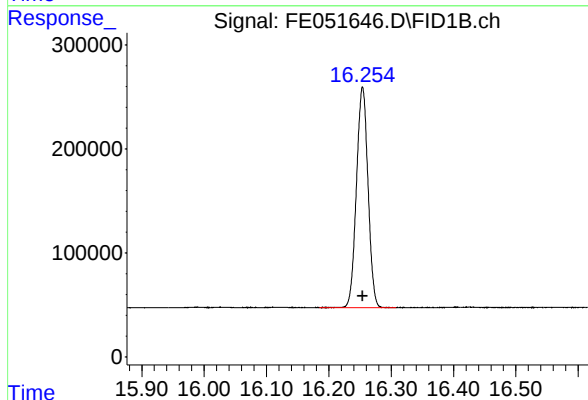
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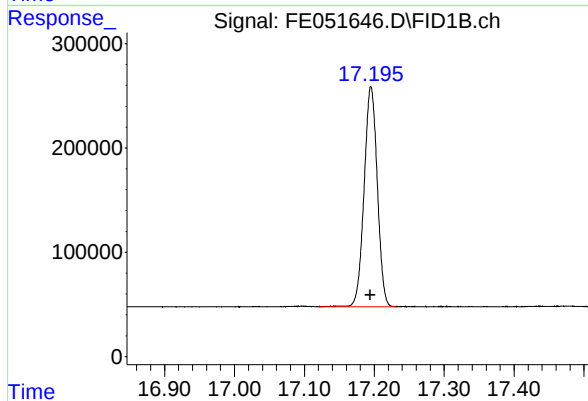
#14 n-Tetracosane (C24)

R.T.: 15.243 min
Delta R.T.: 0.000 min
Response: 2745077
Conc: 18.79 ug/ml



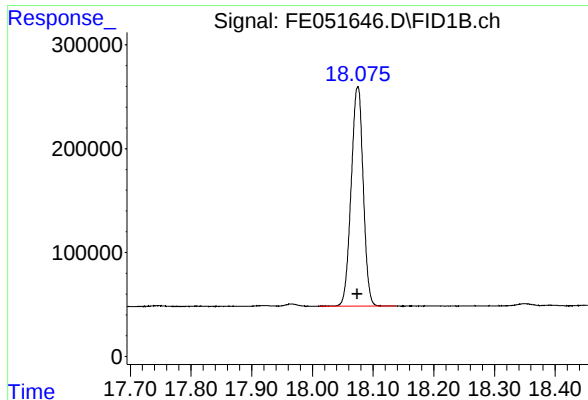
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: 0.000 min
Response: 2732138
Conc: 18.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.195 min
Delta R.T.: 0.000 min
Response: 2758430
Conc: 18.90 ug/ml



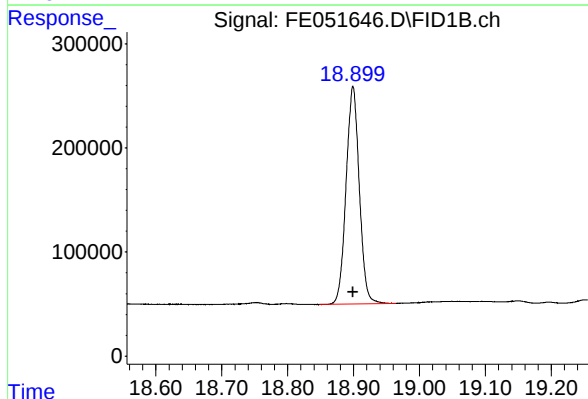
#17 n-Tricontane (C30)

R.T.: 18.075 min
Delta R.T.: 0.000 min
Response: 2915707
Conc: 19.12 ug/ml

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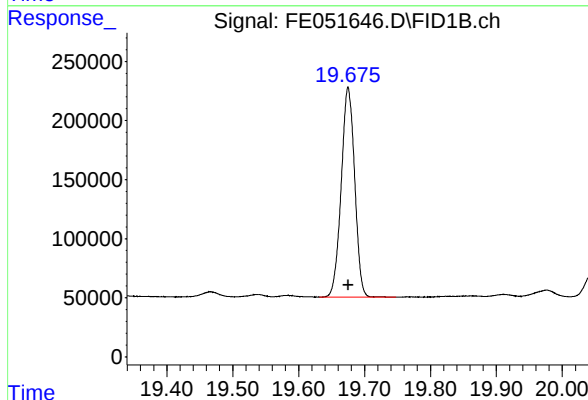
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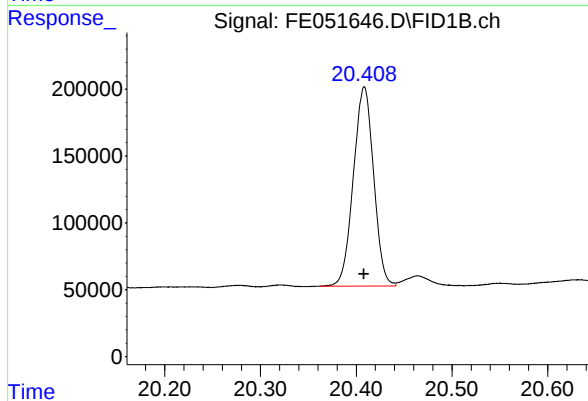
#18 n-Dotriacontane (C32)

R.T.: 18.899 min
Delta R.T.: 0.000 min
Response: 2914695
Conc: 19.45 ug/ml



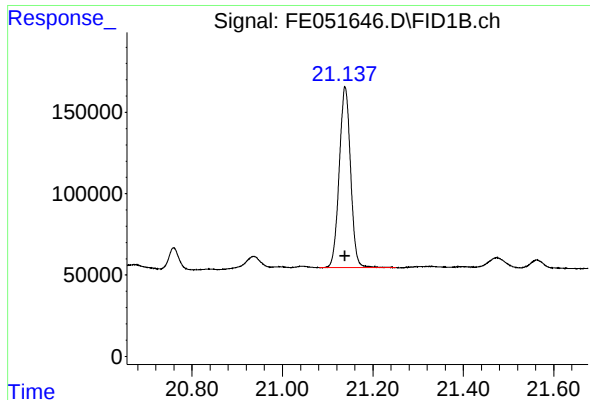
#19 n-Tetatriacontane (C34)

R.T.: 19.675 min
Delta R.T.: 0.000 min
Response: 2517964
Conc: 19.18 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.408 min
Delta R.T.: 0.000 min
Response: 2189872
Conc: 18.88 ug/ml



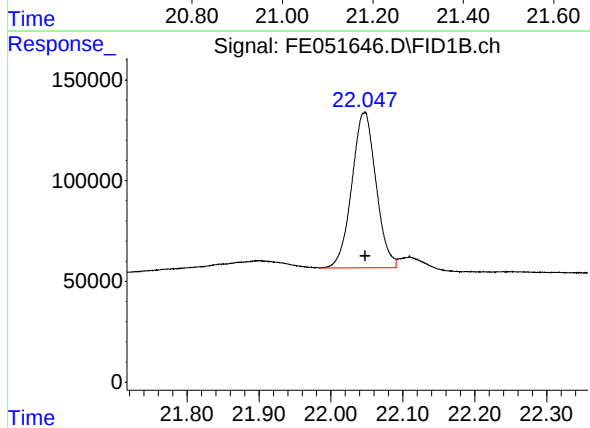
#21 n-Octatriacontane (C38)

R.T.: 21.139 min
Delta R.T.: 0.000 min
Response: 1934334
Conc: 18.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.047 min
Delta R.T.: -0.001 min
Response: 1806618
Conc: 18.04 ug/ml m