

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121324AL\
 Data File : FE051656.D
 Signal(s) : FID1B.ch
 Acq On : 13 Dec 2024 17:34
 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 01:09:01 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)	11.997	3015419	19.506 ug/ml
Spiked Amount 50.000		Recovery =	39.01%
12) S 1-chlorooctadecane (S...	13.415	2361857	19.027 ug/ml
Spiked Amount 50.000		Recovery =	38.05%
Target Compounds			
1) T n-Nonane (C9)	3.484	2149556	18.478 ug/ml
2) T n-Decane (C10)	4.715	2277607	19.071 ug/ml
3) T A~Naphthalene (C11.7)	6.399	2612537	19.385 ug/ml
4) T n-Dodecane (C12)	6.847	2398010	19.520 ug/ml
5) T A~2-methylnaphthalene...	7.480	2613925	19.715 ug/ml
6) T n-Tetradecane (C14)	8.655	2480252	19.766 ug/ml
7) T n-Hexadecane (C16)	10.247	2658037	19.776 ug/ml
8) T n-Octadecane (C18)	11.676	2754559	19.505 ug/ml
10) T n-Eicosane (C20)	12.973	2705944	19.192 ug/ml
11) T n-Heneicosane (C21)	13.580	2696324	18.991 ug/ml
13) T n-Docosane (C22)	14.160	2669777	18.762 ug/mlm
14) T n-Tetracosane (C24)	15.254	2682781	18.362 ug/ml
15) T n-Hexacosane (C26)	16.264	2597244	17.848 ug/ml
16) T n-Octacosane (C28)	17.205	2585838	17.713 ug/ml
17) T n-Tricontane (C30)	18.085	2737991	17.958 ug/ml
18) T n-Dotriacontane (C32)	18.911	2812591	18.765 ug/ml
19) T n-Tetratriacontane (C34)	19.686	2423950	18.467 ug/ml
20) T n-Hexatriacontane (C36)	20.419	2183575	18.830 ug/ml
21) T n-Octatriacontane (C38)	21.152	2456250	23.855 ug/ml
22) T n-Tetracontane (C40)	22.061	2114671	21.118 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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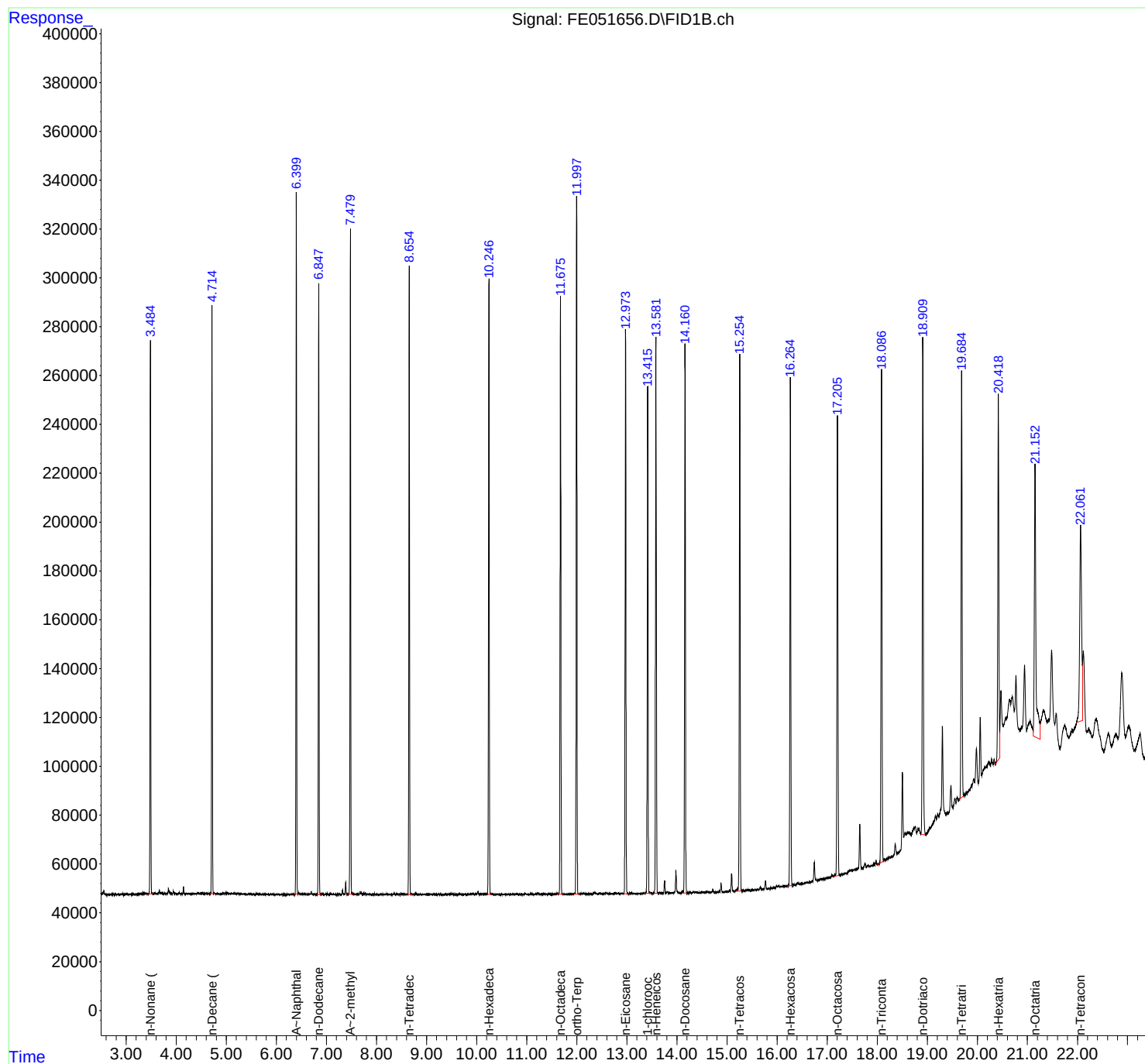
Instrument :
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20 PPM ALIPHATIC HC STD

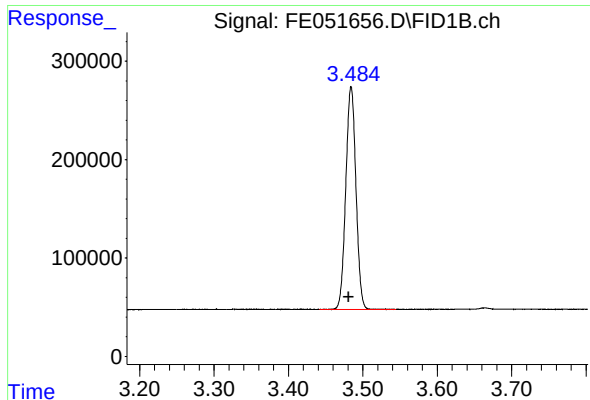
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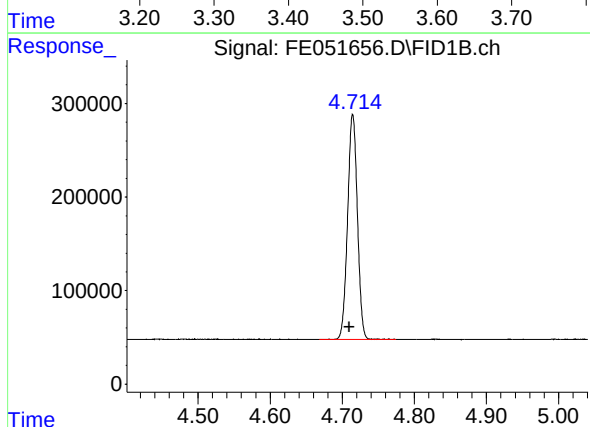
#1 n-Nonane (C9)

R.T.: 3.484 min
Delta R.T.: 0.003 min
Response: 2149556
Conc: 18.48 ug/ml

Instrument : FID_E
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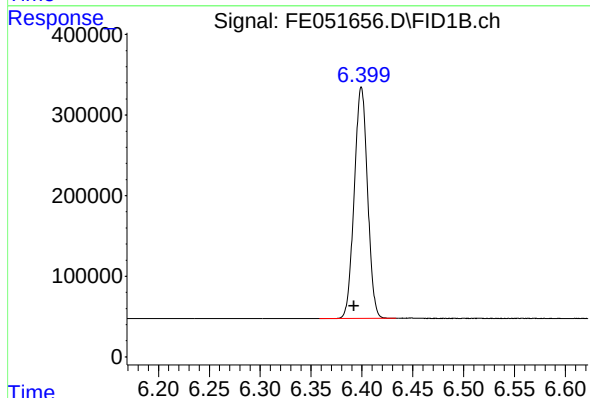
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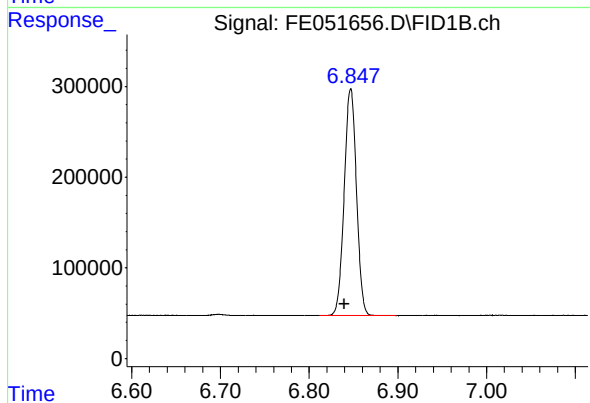
#2 n-Decane (C10)

R.T.: 4.715 min
Delta R.T.: 0.005 min
Response: 2277607
Conc: 19.07 ug/ml



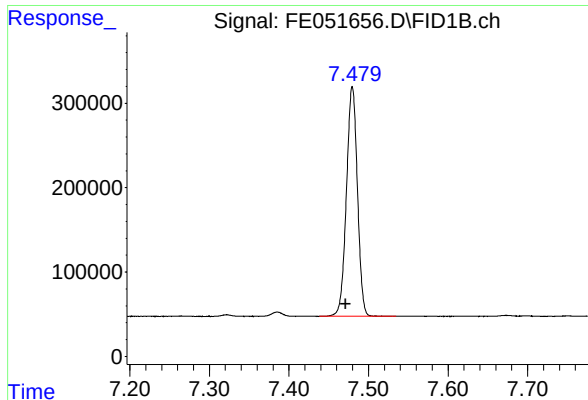
#3 A~Naphthalene (C11.7)

R.T.: 6.399 min
Delta R.T.: 0.007 min
Response: 2612537
Conc: 19.38 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.847 min
Delta R.T.: 0.007 min
Response: 2398010
Conc: 19.52 ug/ml



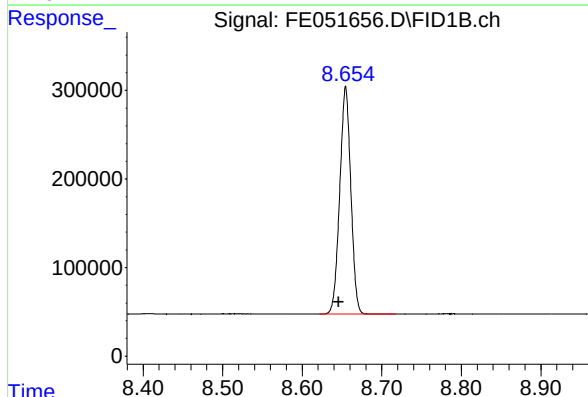
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.480 min
Delta R.T.: 0.009 min
Response: 2613925
Conc: 19.71 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

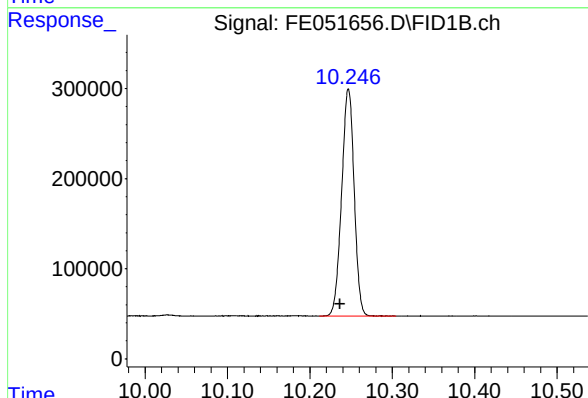
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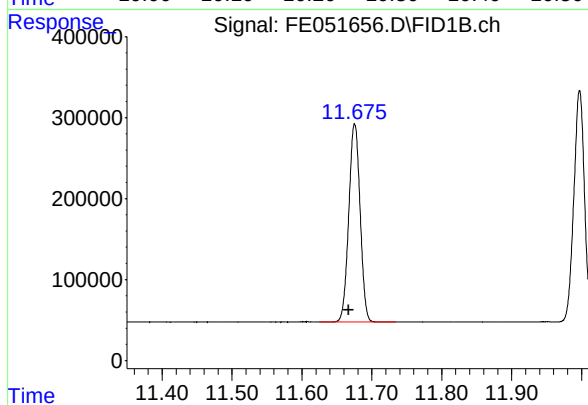
#6 n-Tetradecane (C14)

R.T.: 8.655 min
Delta R.T.: 0.009 min
Response: 2480252
Conc: 19.77 ug/ml



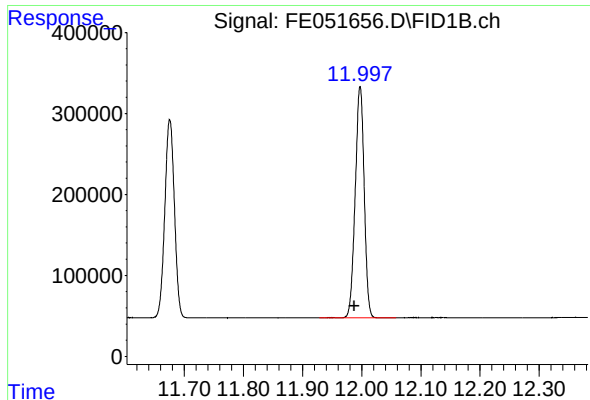
#7 n-Hexadecane (C16)

R.T.: 10.247 min
Delta R.T.: 0.011 min
Response: 2658037
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.676 min
Delta R.T.: 0.009 min
Response: 2754559
Conc: 19.50 ug/ml



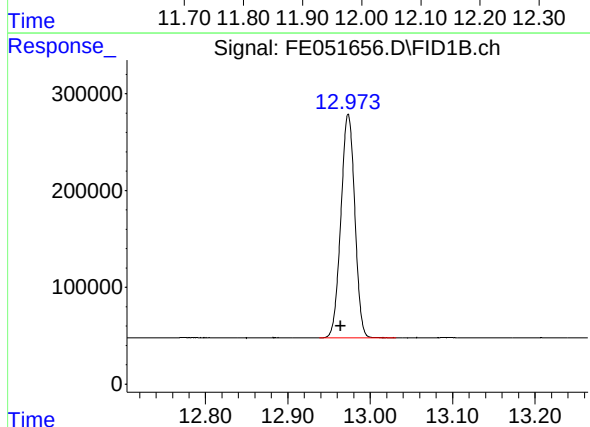
#9 ortho-Terphenyl (SURR)

R.T.: 11.997 min
Delta R.T.: 0.010 min
Response: 3015419
Conc: 19.51 ug/ml

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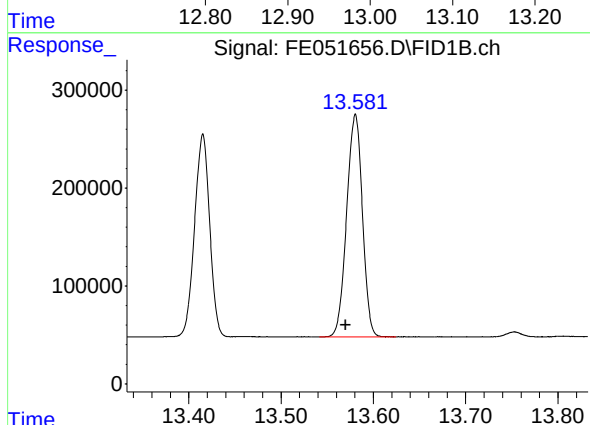
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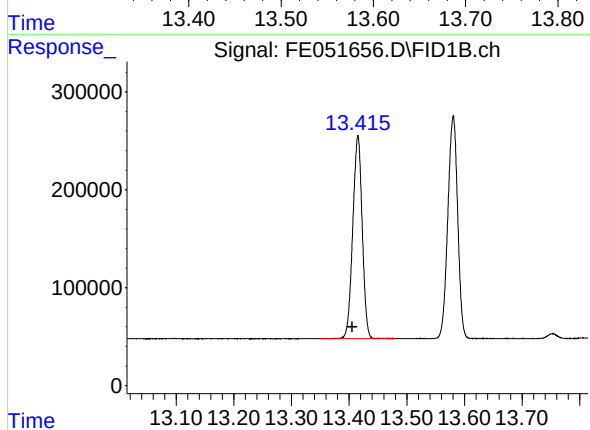
#10 n-Eicosane (C20)

R.T.: 12.973 min
Delta R.T.: 0.009 min
Response: 2705944
Conc: 19.19 ug/ml



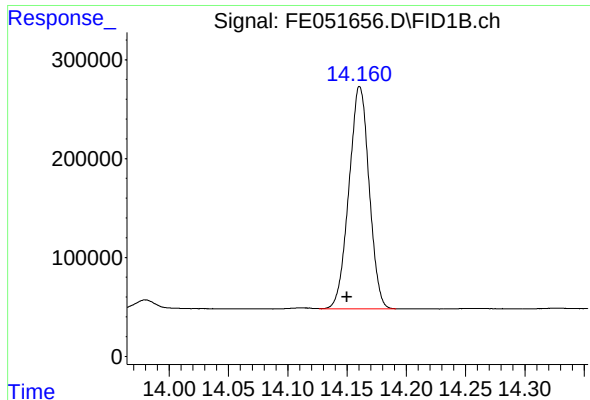
#11 n-Heneicosane (C21)

R.T.: 13.580 min
Delta R.T.: 0.010 min
Response: 2696324
Conc: 18.99 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.415 min
Delta R.T.: 0.010 min
Response: 2361857
Conc: 19.03 ug/ml



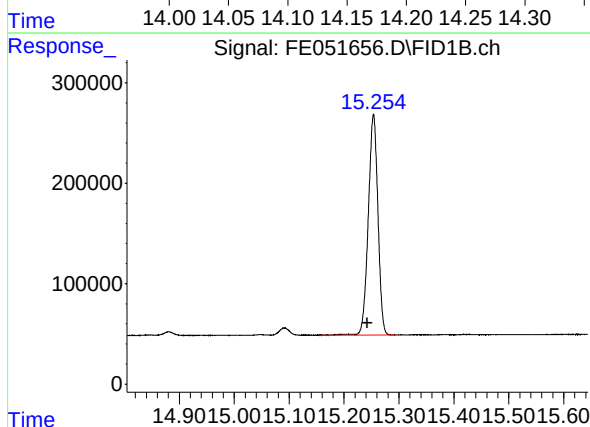
#13 n-Docosane (C22)

R.T.: 14.160 min
Delta R.T.: 0.010 min
Response: 2669777
Conc: 18.76 ug/ml

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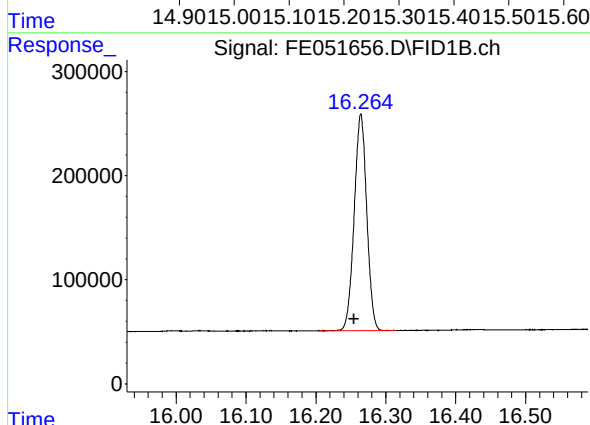
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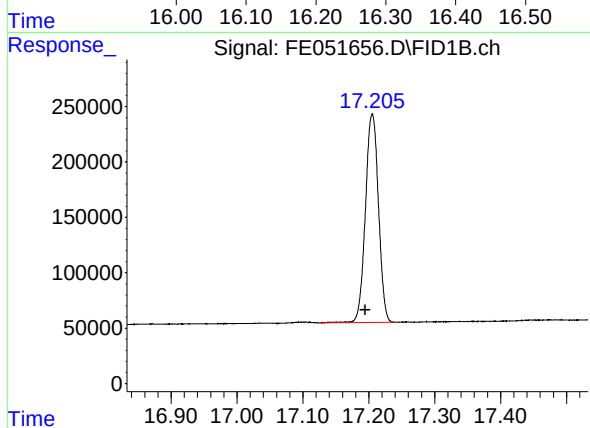
#14 n-Tetracosane (C24)

R.T.: 15.254 min
Delta R.T.: 0.011 min
Response: 2682781
Conc: 18.36 ug/ml



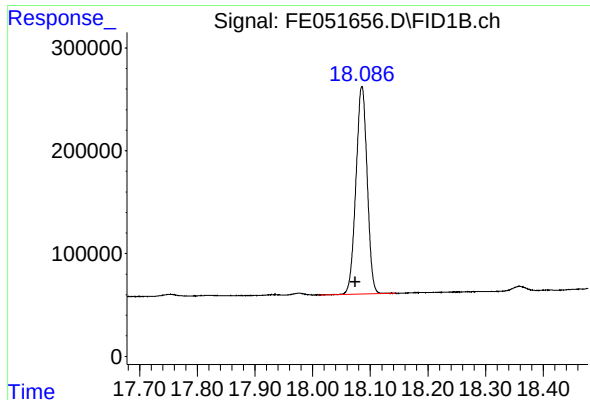
#15 n-Hexacosane (C26)

R.T.: 16.264 min
Delta R.T.: 0.010 min
Response: 2597244
Conc: 17.85 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: 0.011 min
Response: 2585838
Conc: 17.71 ug/ml



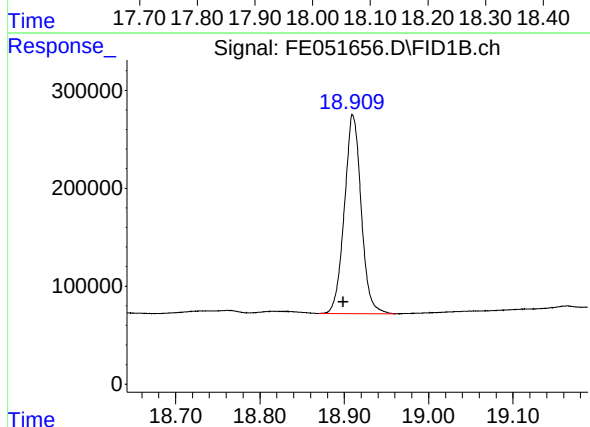
#17 n-Tricontane (C30)

R.T.: 18.085 min
Delta R.T.: 0.012 min
Response: 2737991
Conc: 17.96 ug/ml

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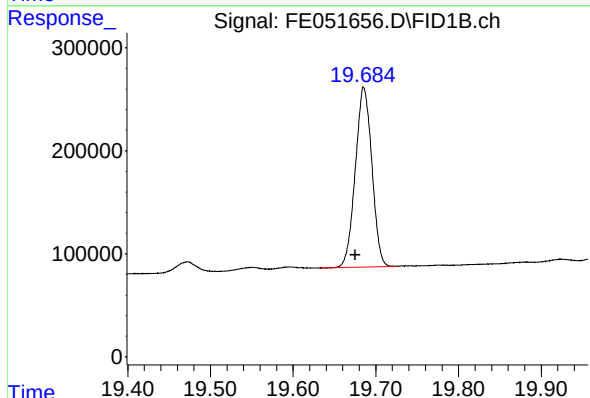
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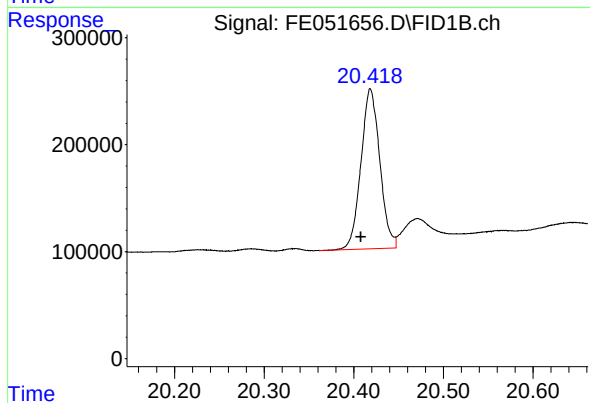
#18 n-Dotriacontane (C32)

R.T.: 18.911 min
Delta R.T.: 0.012 min
Response: 2812591
Conc: 18.77 ug/ml



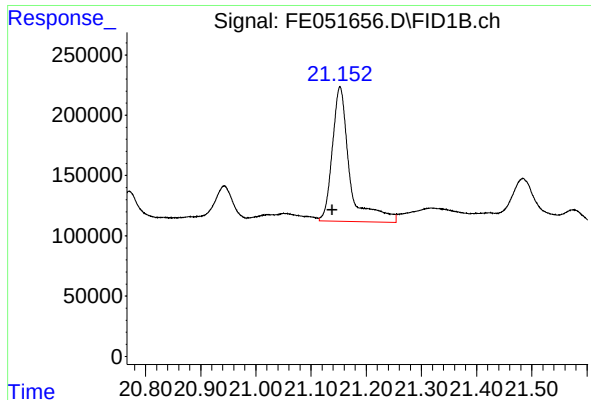
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: 0.011 min
Response: 2423950
Conc: 18.47 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.419 min
Delta R.T.: 0.011 min
Response: 2183575
Conc: 18.83 ug/ml



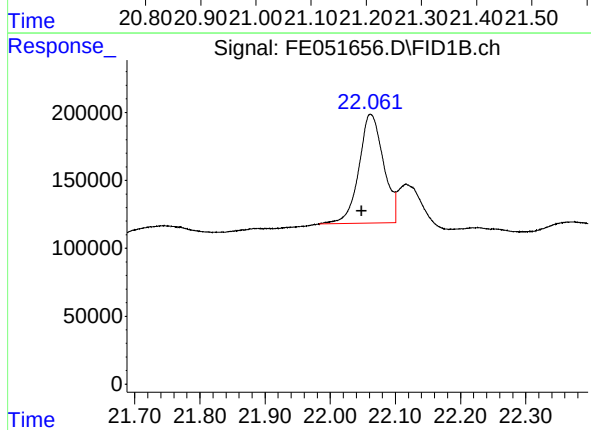
#21 n-Octatriacontane (C38)

R.T.: 21.152 min
Delta R.T.: 0.014 min
Response: 2456250
Conc: 23.86 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.061 min
Delta R.T.: 0.013 min
Response: 2114671
Conc: 21.12 ug/ml m