

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042223AL\
 Data File : FE041474.D
 Signal(s) : FID1B.ch
 Acq On : 21 Apr 2023 12:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/24/2023
 Supervised By :Ankita Jodhani 04/24/2023

Integration File: autoint1.e
 Quant Time: Apr 22 04:04:07 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042123.M
 Quant Title : GC Extractables
 QLast Update : Fri Apr 21 07:33:51 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)	11.970	3686008	19.647 ug/ml
Spiked Amount 50.000		Recovery =	39.29%
12) S 1-chlorooctadecane (S...	13.406	2696923	19.091 ug/ml
Spiked Amount 50.000		Recovery =	38.18%
Target Compounds			
1) T n-Nonane (C9)	3.347	3014248	20.506 ug/ml
2) T n-Decane (C10)	4.599	3073722	20.494 ug/ml
3) T A~Naphthalene (C11.7)	6.303	3371379	20.372 ug/ml
4) T n-Dodecane (C12)	6.768	3110150	20.456 ug/ml
5) T A~2-methylnaphthalene...	7.400	3277050	20.323 ug/ml
6) T n-Tetradecane (C14)	8.599	3099486	20.404 ug/ml
7) T n-Hexadecane (C16)	10.208	3213221	20.135 ug/ml
8) T n-Octadecane (C18)	11.652	3275418	19.983 ug/ml
10) T n-Eicosane (C20)	12.961	3152721	19.601 ug/ml
11) T n-Heneicosane (C21)	13.573	3114398	19.542 ug/ml
13) T n-Docosane (C22)	14.161	3072530	19.284 ug/ml
14) T n-Tetracosane (C24)	15.263	3069563	19.040 ug/ml
15) T n-Hexacosane (C26)	16.283	2959189	18.718 ug/ml
16) T n-Octacosane (C28)	17.234	2857315	18.569 ug/ml
17) T n-Tricontane (C30)	18.120	2809662	18.448 ug/ml
18) T n-Dotriacontane (C32)	18.953	2775345	18.629 ug/ml
19) T n-Tetratriacontane (C34)	19.736	2660701	18.887 ug/ml
20) T n-Hexatriacontane (C36)	20.476	2568193	19.204 ug/ml
21) T n-Octatriacontane (C38)	21.223	2544836	19.259 ug/mlm
22) T n-Tetracontane (C40)	22.160	2416625	19.087 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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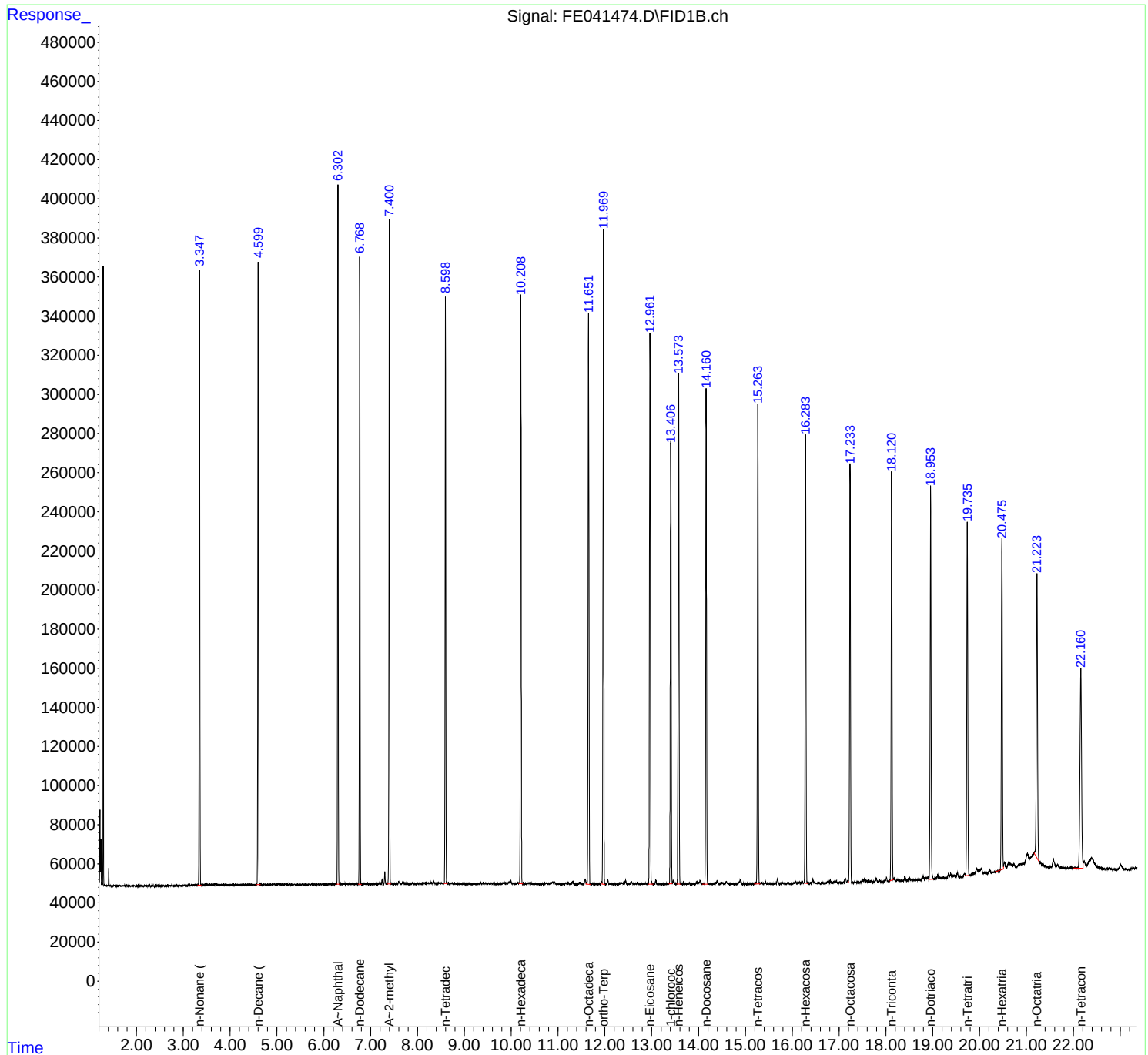
Instrument :
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20 PPM ALIPHATIC HC STD

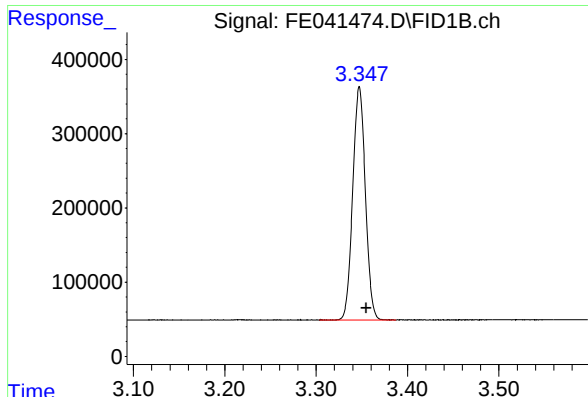
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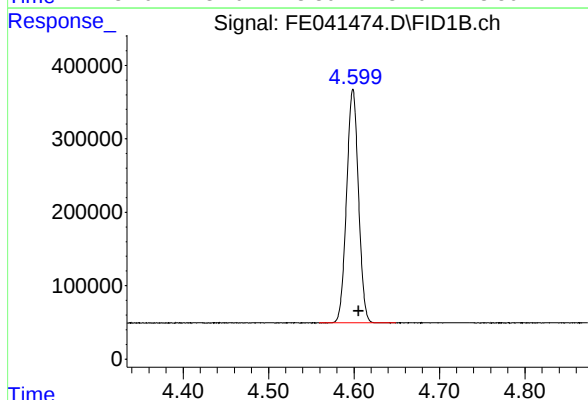
#1 n-Nonane (C9)

R.T.: 3.347 min
Delta R.T.: -0.008 min
Response: 3014248
Conc: 20.51 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

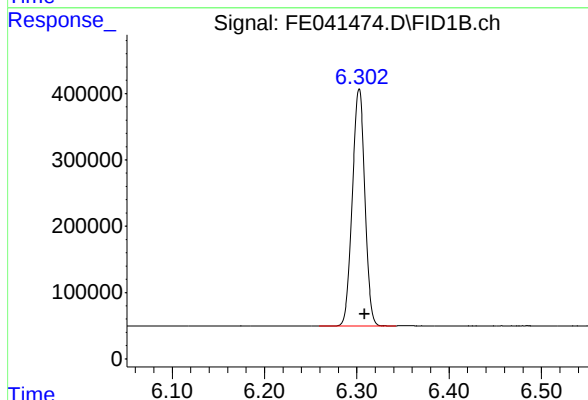
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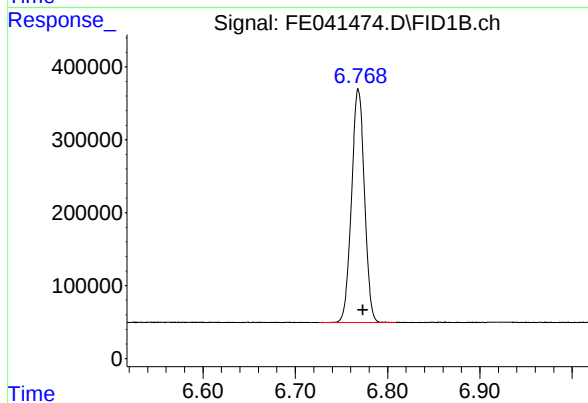
#2 n-Decane (C10)

R.T.: 4.599 min
Delta R.T.: -0.007 min
Response: 3073722
Conc: 20.49 ug/ml



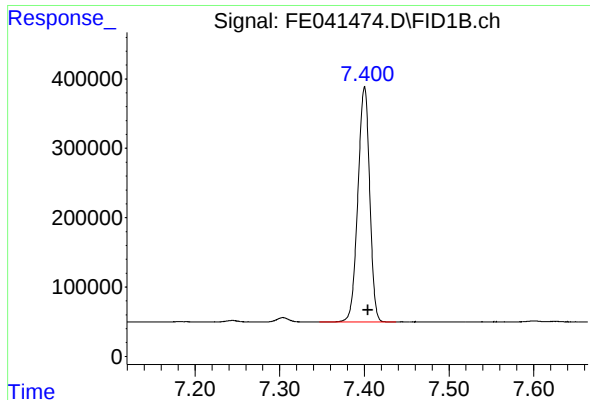
#3 A~Naphthalene (C11.7)

R.T.: 6.303 min
Delta R.T.: -0.006 min
Response: 3371379
Conc: 20.37 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.768 min
Delta R.T.: -0.005 min
Response: 3110150
Conc: 20.46 ug/ml



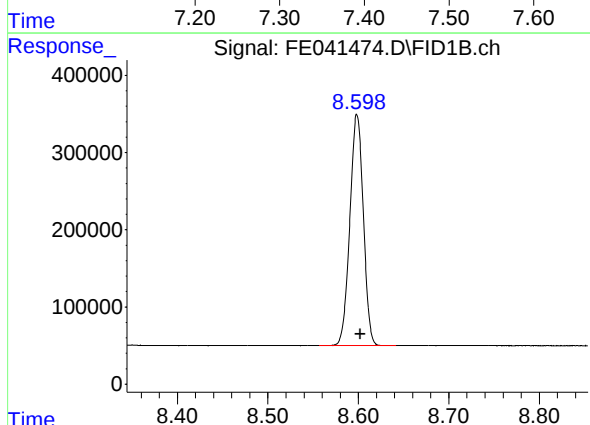
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.400 min
Delta R.T.: -0.004 min
Response: 3277050
Conc: 20.32 ug/ml

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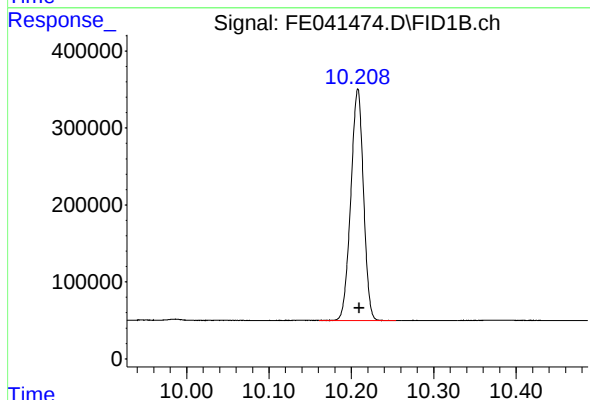
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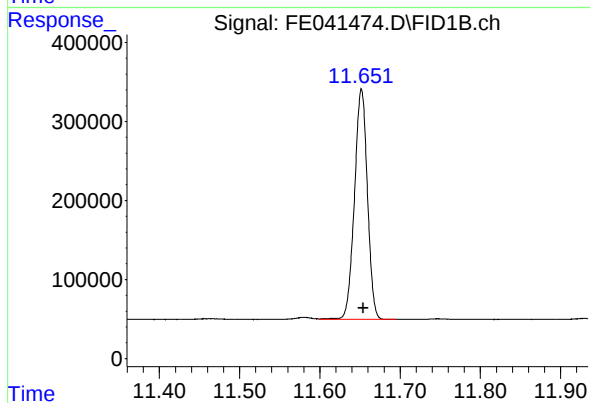
#6 n-Tetradecane (C14)

R.T.: 8.599 min
Delta R.T.: -0.004 min
Response: 3099486
Conc: 20.40 ug/ml



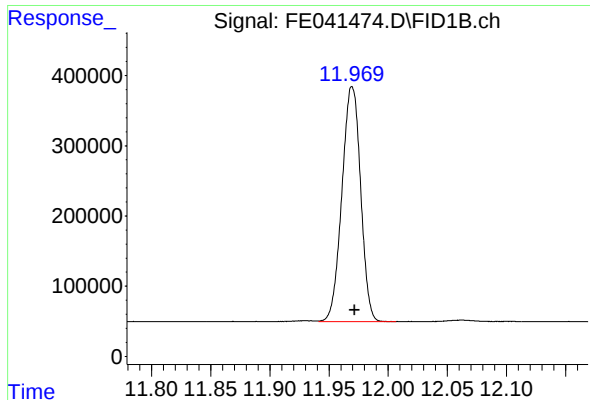
#7 n-Hexadecane (C16)

R.T.: 10.208 min
Delta R.T.: -0.002 min
Response: 3213221
Conc: 20.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.652 min
Delta R.T.: -0.002 min
Response: 3275418
Conc: 19.98 ug/ml



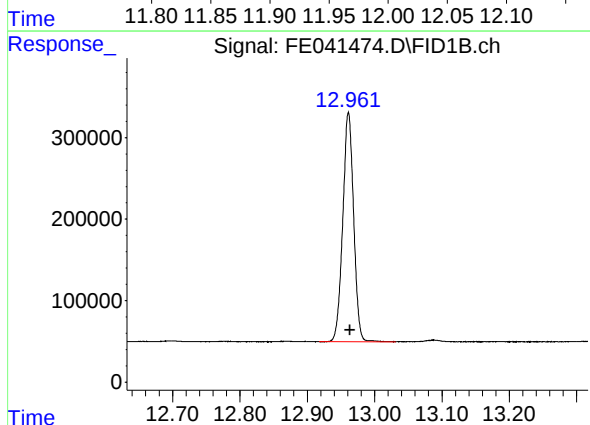
#9 ortho-Terphenyl (SURR)

R.T.: 11.970 min
Delta R.T.: -0.002 min
Response: 3686008
Conc: 19.65 ug/ml

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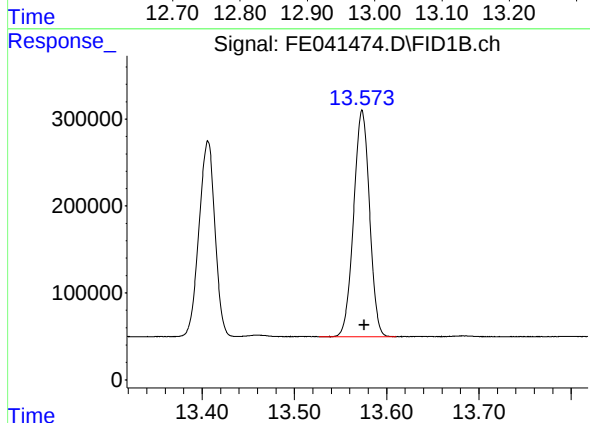
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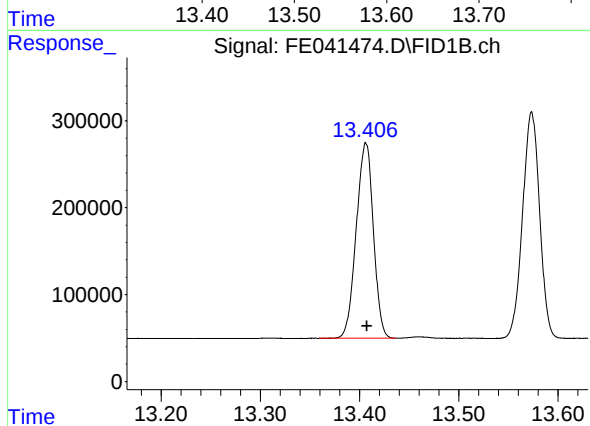
#10 n-Eicosane (C20)

R.T.: 12.961 min
Delta R.T.: -0.002 min
Response: 3152721
Conc: 19.60 ug/ml



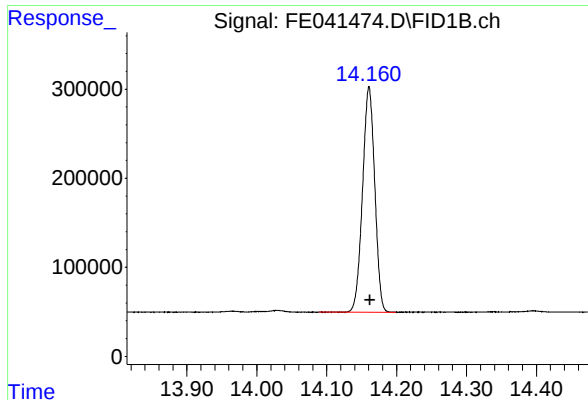
#11 n-Heneicosane (C21)

R.T.: 13.573 min
Delta R.T.: -0.002 min
Response: 3114398
Conc: 19.54 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.406 min
Delta R.T.: -0.001 min
Response: 2696923
Conc: 19.09 ug/ml



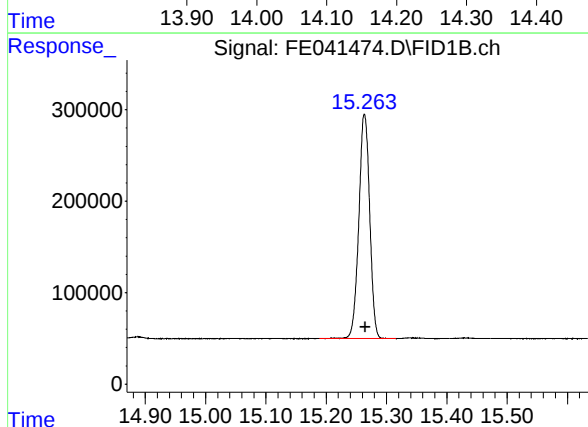
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: -0.001 min
Response: 3072530
Conc: 19.28 ug/ml

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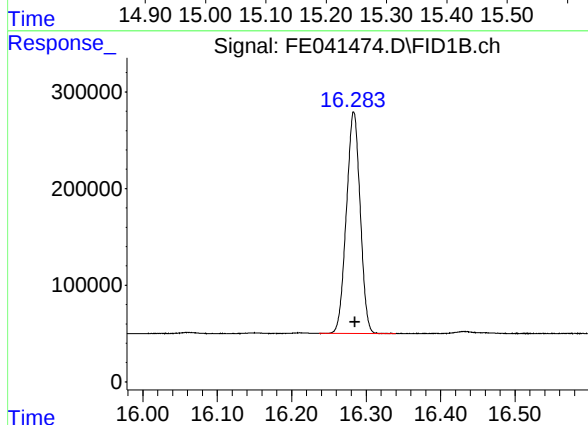
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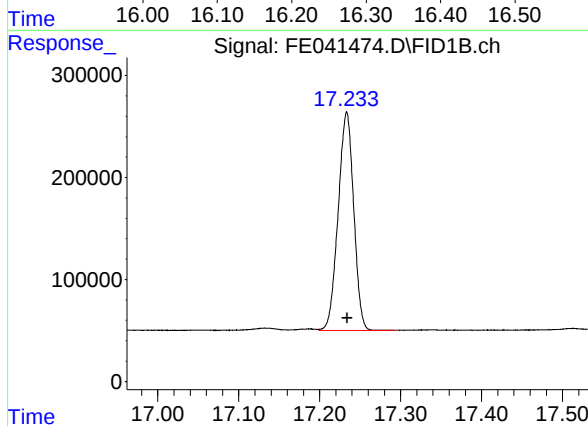
#14 n-Tetracosane (C24)

R.T.: 15.263 min
Delta R.T.: -0.001 min
Response: 3069563
Conc: 19.04 ug/ml



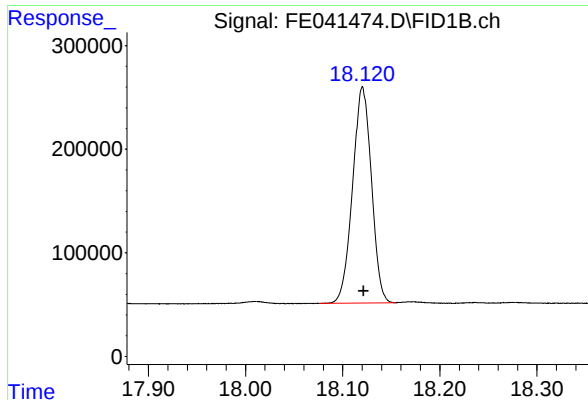
#15 n-Hexacosane (C26)

R.T.: 16.283 min
Delta R.T.: -0.001 min
Response: 2959189
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.234 min
Delta R.T.: 0.000 min
Response: 2857315
Conc: 18.57 ug/ml



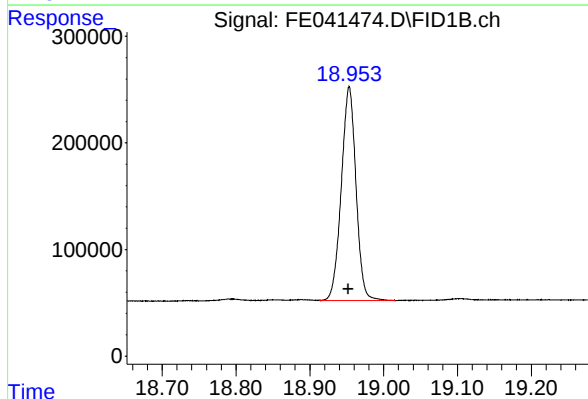
#17 n-Tricontane (C30)

R.T.: 18.120 min
Delta R.T.: -0.001 min
Response: 2809662
Conc: 18.45 ug/ml

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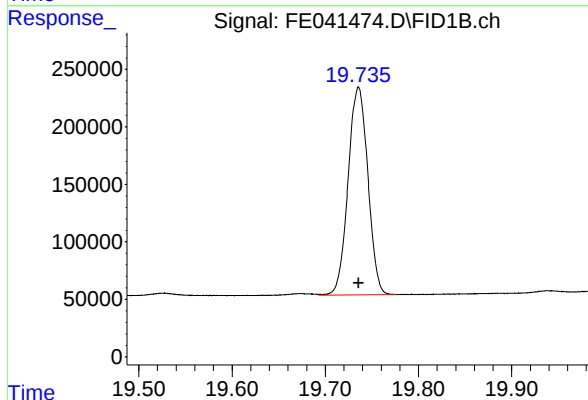
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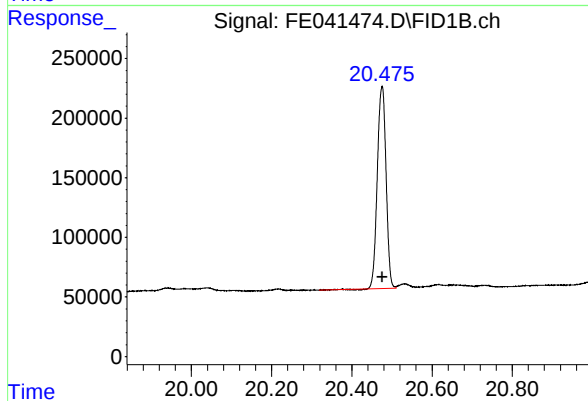
#18 n-Dotriacontane (C32)

R.T.: 18.953 min
Delta R.T.: 0.001 min
Response: 2775345
Conc: 18.63 ug/ml



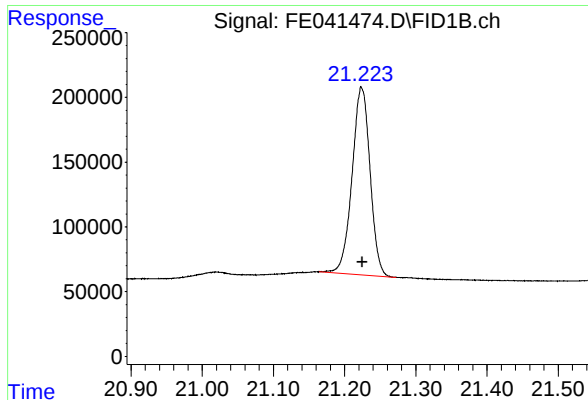
#19 n-Tetratriacontane (C34)

R.T.: 19.736 min
Delta R.T.: 0.000 min
Response: 2660701
Conc: 18.89 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.476 min
Delta R.T.: 0.000 min
Response: 2568193
Conc: 19.20 ug/ml



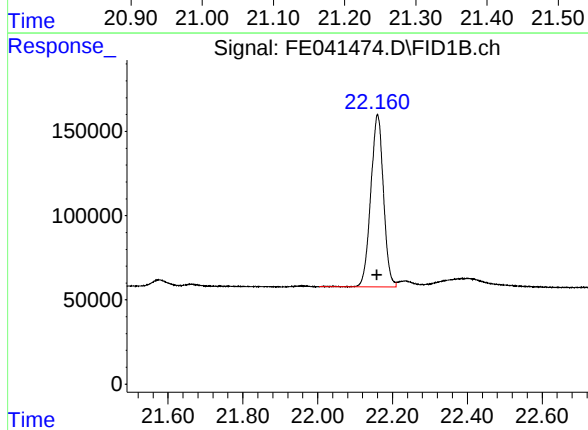
#21 n-Octatriacontane (C38)

R.T.: 21.223 min
Delta R.T.: -0.002 min
Response: 2544836
Conc: 19.26 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.160 min
Delta R.T.: 0.001 min
Response: 2416625
Conc: 19.09 ug/ml