

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012925AL\
 Data File : FE052137.D
 Signal(s) : FID1B.ch
 Acq On : 30 Jan 2025 01:28
 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 01/30/2025
 Supervised By :Ankita Jodhani 01/30/2025

Integration File: autoint1.e
 Quant Time: Jan 30 02:05:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 011625.M
 Quant Title : GC Extractables
 QLast Update : Thu Jan 16 16:05:07 2025
 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)	12.191	2753473	19.265 ug/ml
Spiked Amount 50.000		Recovery =	38.53%
12) S 1-chlorooctadecane (S...	13.605	2133477	18.598 ug/ml
Spiked Amount 50.000		Recovery =	37.20%
Target Compounds			
1) T n-Nonane (C9)	3.673	2115299	19.841 ug/ml
2) T n-Decane (C10)	4.901	2221385	20.291 ug/ml
3) T A~Naphthalene (C11.7)	6.594	2520324	20.741 ug/ml
4) T n-Dodecane (C12)	7.028	2297741	20.358 ug/ml
5) T A~2-methylnaphthalene...	7.673	2474222	20.725 ug/ml
6) T n-Tetradecane (C14)	8.834	2333076	20.059 ug/ml
7) T n-Hexadecane (C16)	10.426	2465031	19.545 ug/ml
8) T n-Octadecane (C18)	11.858	2527526	19.104 ug/mlm
10) T n-Eicosane (C20)	13.160	2460260	18.767 ug/ml
11) T n-Heneicosane (C21)	13.768	2429340	18.664 ug/ml
13) T n-Docosane (C22)	14.351	2423998	18.471 ug/mlm
14) T n-Tetracosane (C24)	15.449	2426548	18.268 ug/ml
15) T n-Hexacosane (C26)	16.465	2384484	18.039 ug/ml
16) T n-Octacosane (C28)	17.410	2351094	17.813 ug/ml
17) T n-Tricontane (C30)	18.295	2405655	17.644 ug/ml
18) T n-Dotriacontane (C32)	19.124	2316307	17.674 ug/ml
19) T n-Tetratriacontane (C34)	19.906	2022672	17.966 ug/ml
20) T n-Hexatriacontane (C36)	20.643	1741977	18.340 ug/ml
21) T n-Octatriacontane (C38)	21.426	1652627	19.132 ug/mlm
22) T n-Tetracontane (C40)	22.419	1653431	20.063 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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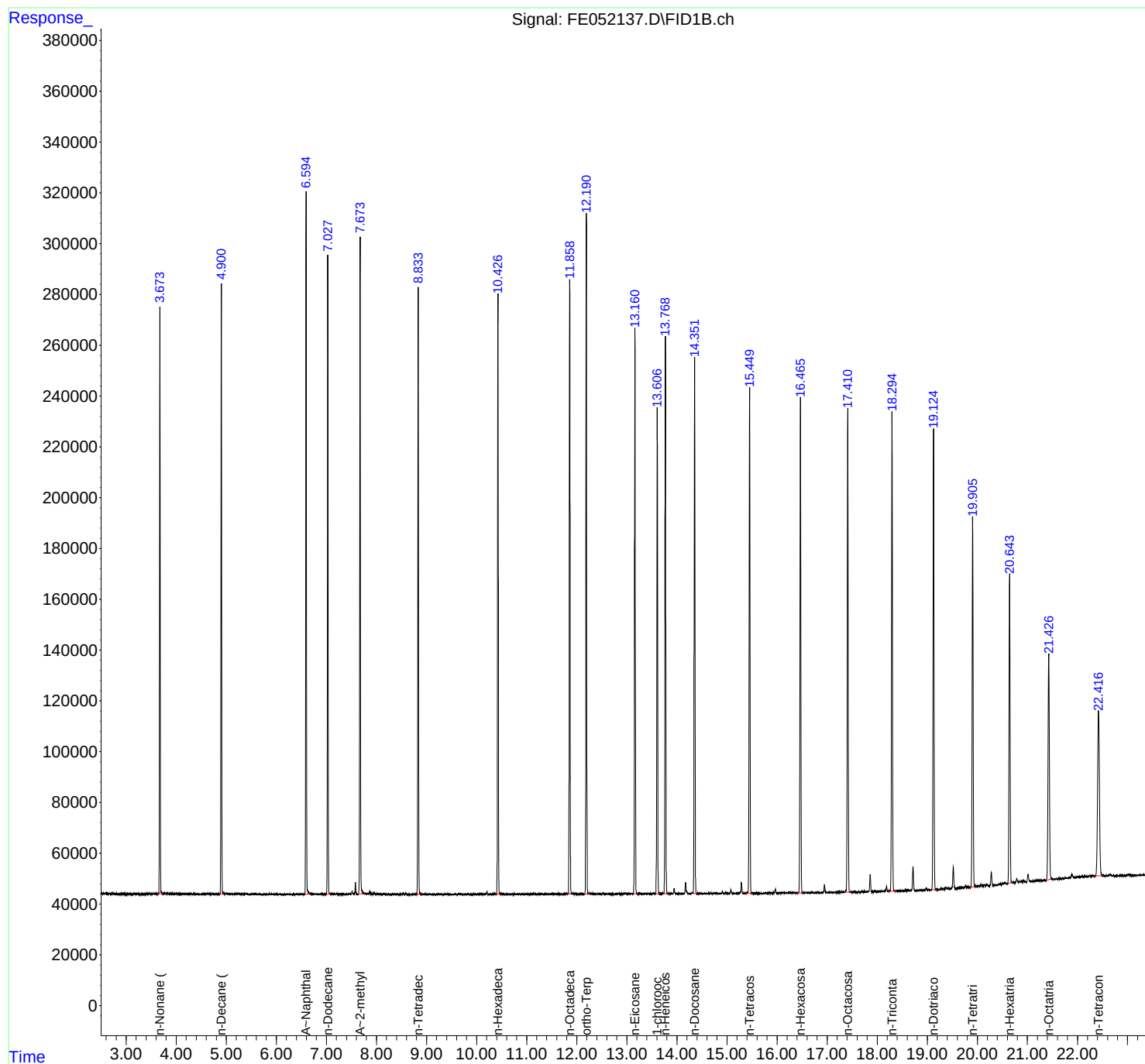
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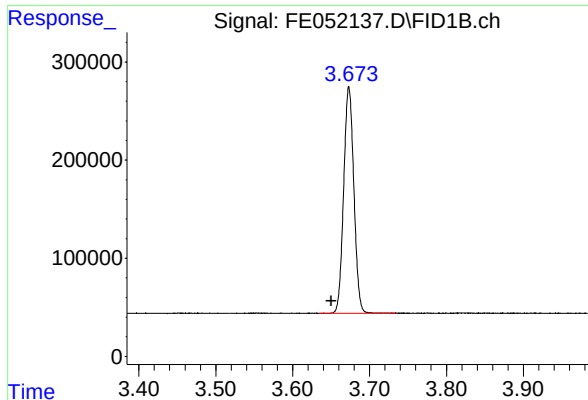
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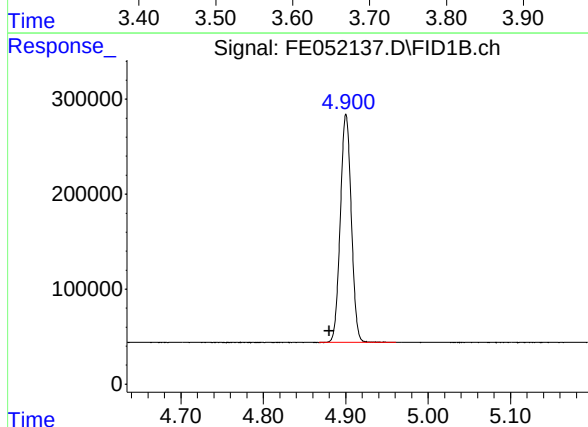
#1 n-Nonane (C9)

R.T.: 3.673 min
Delta R.T.: 0.023 min
Response: 2115299
Conc: 19.84 ug/ml

Instrument : FID_E
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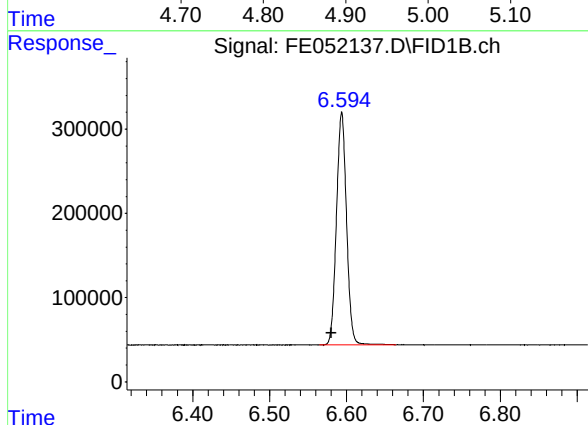
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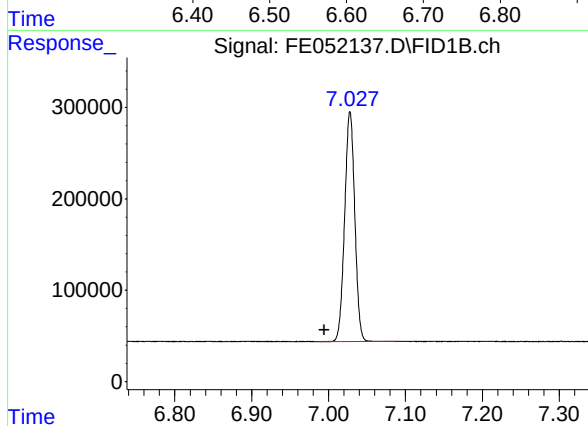
#2 n-Decane (C10)

R.T.: 4.901 min
Delta R.T.: 0.021 min
Response: 2221385
Conc: 20.29 ug/ml



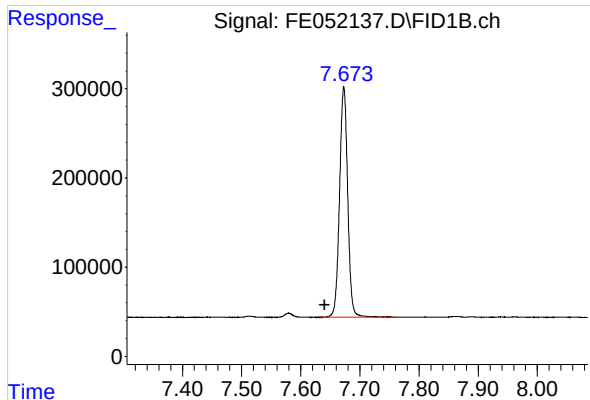
#3 A~Naphthalene (C11.7)

R.T.: 6.594 min
Delta R.T.: 0.014 min
Response: 2520324
Conc: 20.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.028 min
Delta R.T.: 0.034 min
Response: 2297741
Conc: 20.36 ug/ml



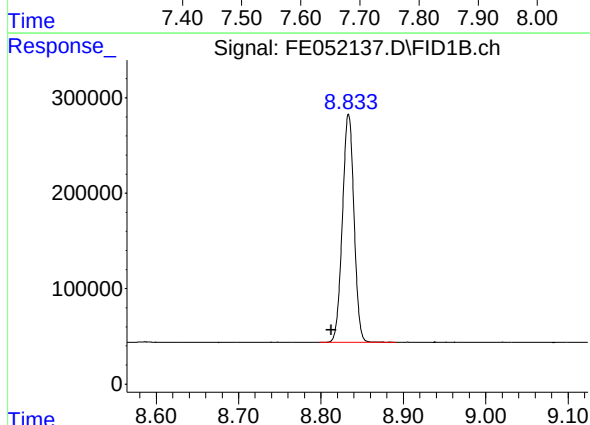
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.673 min
Delta R.T.: 0.032 min
Response: 2474222
Conc: 20.72 ug/ml

Instrument : FID_E
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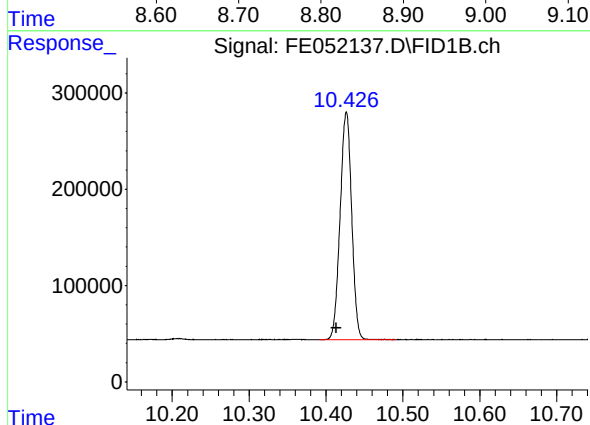
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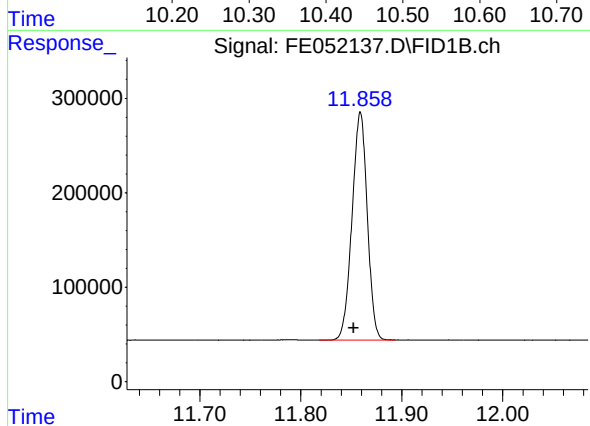
#6 n-Tetradecane (C14)

R.T.: 8.834 min
Delta R.T.: 0.021 min
Response: 2333076
Conc: 20.06 ug/ml



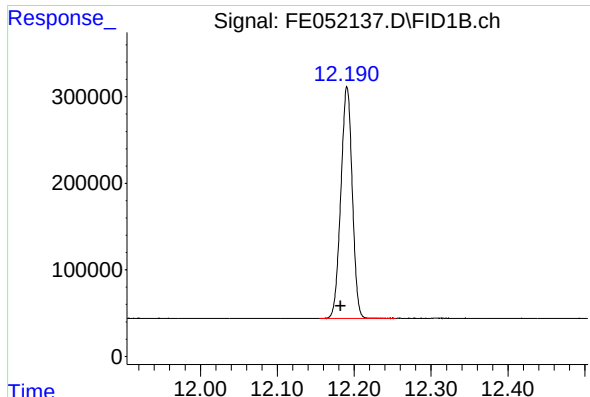
#7 n-Hexadecane (C16)

R.T.: 10.426 min
Delta R.T.: 0.013 min
Response: 2465031
Conc: 19.55 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.858 min
Delta R.T.: 0.006 min
Response: 2527526
Conc: 19.10 ug/ml m



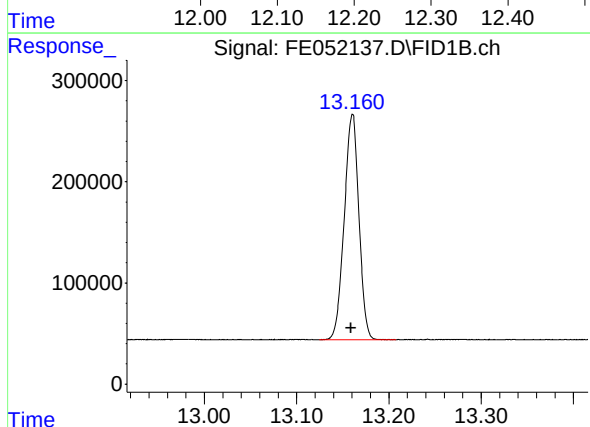
#9 ortho-Terphenyl (SURR)

R.T.: 12.191 min
Delta R.T.: 0.008 min
Response: 2753473
Conc: 19.26 ug/ml

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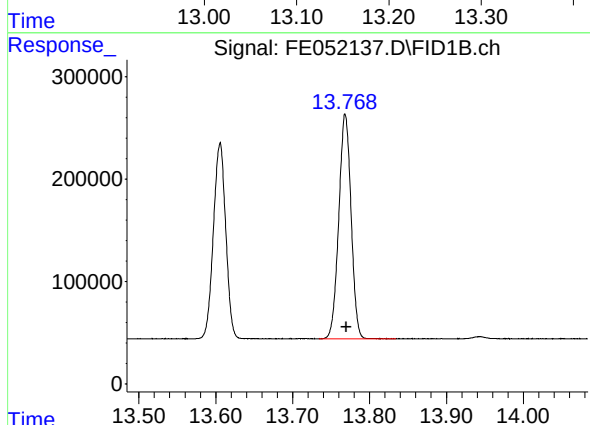
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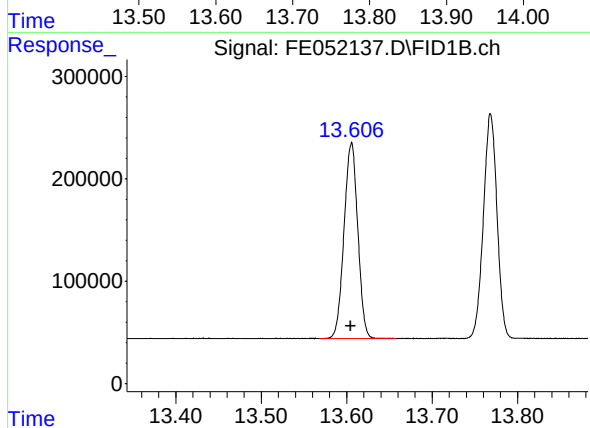
#10 n-Eicosane (C20)

R.T.: 13.160 min
Delta R.T.: 0.001 min
Response: 2460260
Conc: 18.77 ug/ml



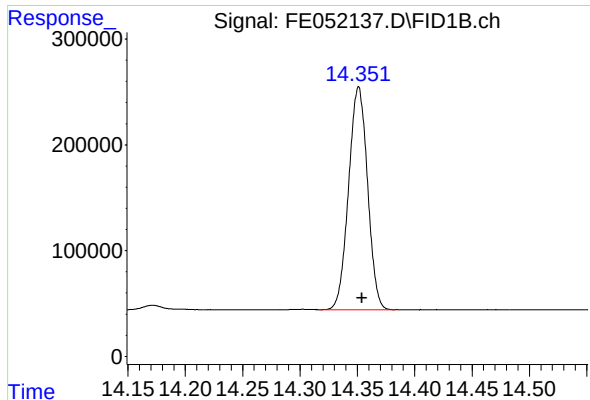
#11 n-Heneicosane (C21)

R.T.: 13.768 min
Delta R.T.: -0.001 min
Response: 2429340
Conc: 18.66 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.605 min
Delta R.T.: 0.000 min
Response: 2133477
Conc: 18.60 ug/ml



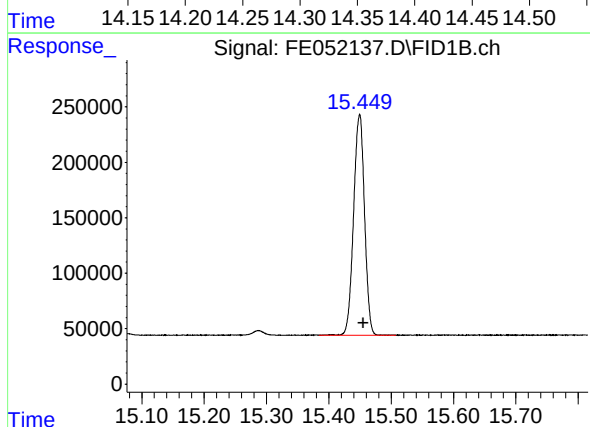
#13 n-Docosane (C22)

R.T.: 14.351 min
Delta R.T.: -0.003 min
Response: 2423998
Conc: 18.47 ug/ml

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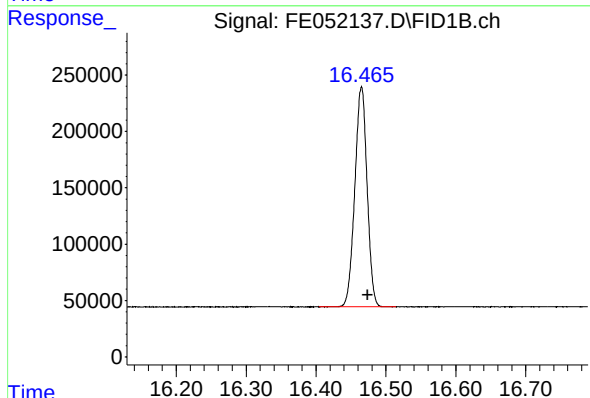
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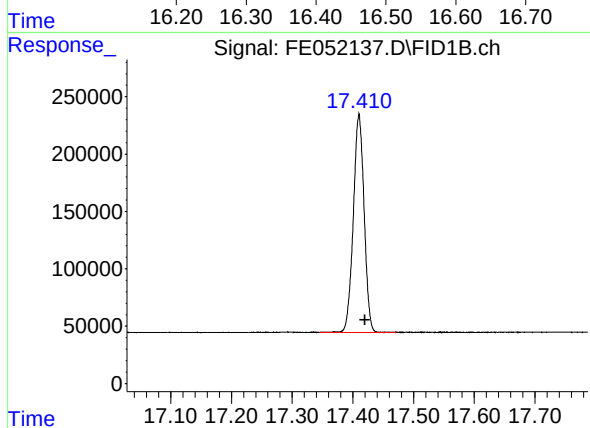
#14 n-Tetracosane (C24)

R.T.: 15.449 min
Delta R.T.: -0.006 min
Response: 2426548
Conc: 18.27 ug/ml



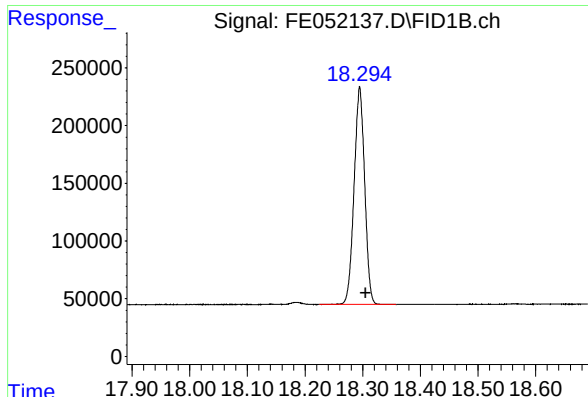
#15 n-Hexacosane (C26)

R.T.: 16.465 min
Delta R.T.: -0.009 min
Response: 2384484
Conc: 18.04 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.410 min
Delta R.T.: -0.010 min
Response: 2351094
Conc: 17.81 ug/ml



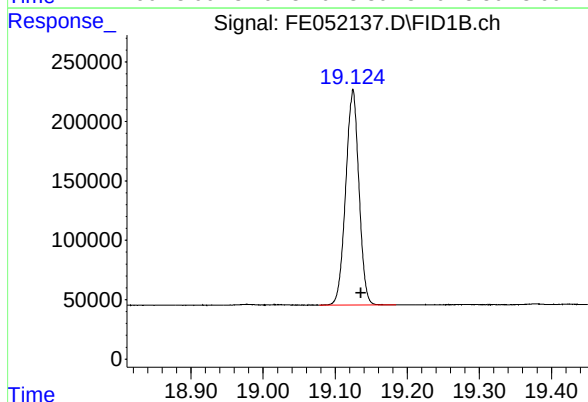
#17 n-Tricontane (C30)

R.T.: 18.295 min
Delta R.T.: -0.010 min
Response: 2405655
Conc: 17.64 ug/ml

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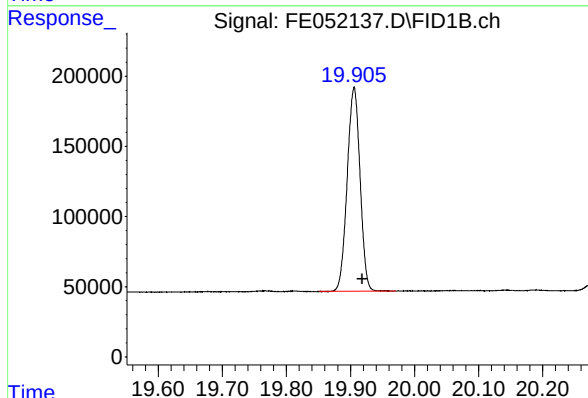
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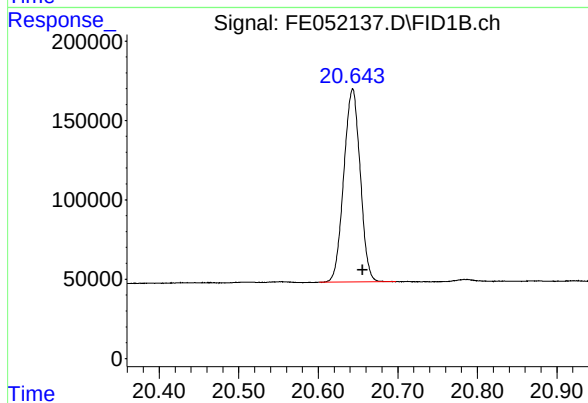
#18 n-Dotriacontane (C32)

R.T.: 19.124 min
Delta R.T.: -0.011 min
Response: 2316307
Conc: 17.67 ug/ml



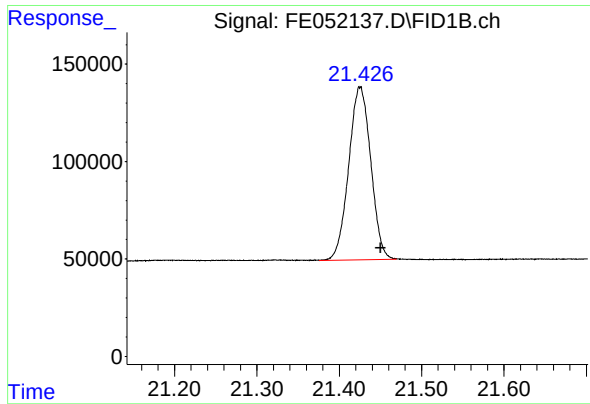
#19 n-Tetratriacontane (C34)

R.T.: 19.906 min
Delta R.T.: -0.013 min
Response: 2022672
Conc: 17.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.643 min
Delta R.T.: -0.013 min
Response: 1741977
Conc: 18.34 ug/ml



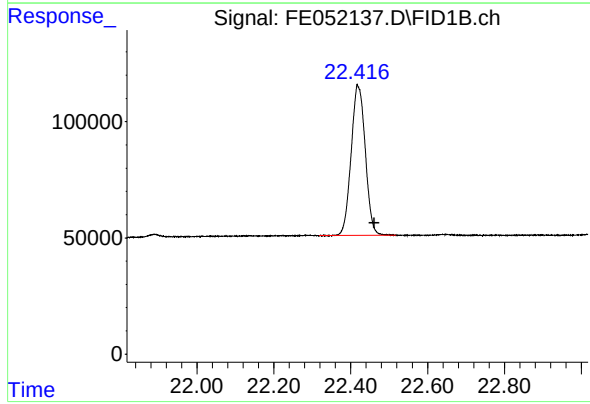
#21 n-Octatriacontane (C38)

R.T.: 21.426 min
Delta R.T.: -0.024 min
Response: 1652627
Conc: 19.13 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.419 min
Delta R.T.: -0.043 min
Response: 1653431
Conc: 20.06 ug/ml