

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE012825AL\
 Data File : FE052115.D
 Signal(s) : FID1B.ch
 Acq On : 28 Jan 2025 20:29
 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 01/29/2025
 Supervised By :Ankita Jodhani 01/29/2025

Integration File: autoint1.e
 Quant Time: Jan 29 03:06:43 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)	12.195	2774382	19.411 ug/ml
Spiked Amount 50.000		Recovery =	38.82%
12) S 1-chlorooctadecane (S...	13.609	2148808	18.732 ug/ml
Spiked Amount 50.000		Recovery =	37.46%
Target Compounds			
1) T n-Nonane (C9)	3.676	2066222	19.381 ug/ml
2) T n-Decane (C10)	4.903	2203790	20.130 ug/ml
3) T A~Naphthalene (C11.7)	6.596	2505439	20.618 ug/ml
4) T n-Dodecane (C12)	7.030	2318335	20.541 ug/ml
5) T A~2-methylnaphthalene...	7.675	2483778	20.805 ug/ml
6) T n-Tetradecane (C14)	8.836	2395392	20.595 ug/ml
7) T n-Hexadecane (C16)	10.429	2538704	20.129 ug/ml
8) T n-Octadecane (C18)	11.862	2606835	19.703 ug/ml
10) T n-Eicosane (C20)	13.164	2547371	19.432 ug/ml
11) T n-Heneicosane (C21)	13.772	2474307	19.009 ug/ml
13) T n-Docosane (C22)	14.356	2579353	19.654 ug/ml
14) T n-Tetracosane (C24)	15.453	2768399	20.842 ug/ml
15) T n-Hexacosane (C26)	16.470	2876629	21.762 ug/ml
16) T n-Octacosane (C28)	17.416	2956746	22.402 ug/ml
17) T n-Tricontane (C30)	18.301	3096831	22.714 ug/ml
18) T n-Dotriacontane (C32)	19.131	2953024	22.533 ug/ml
19) T n-Tetratriacontane (C34)	19.913	2370441	21.055 ug/ml
20) T n-Hexatriacontane (C36)	20.651	1952146	20.553 ug/ml
21) T n-Octatriacontane (C38)	21.435	1760540	20.381 ug/mlm
22) T n-Tetracontane (C40)	22.434	1715689	20.819 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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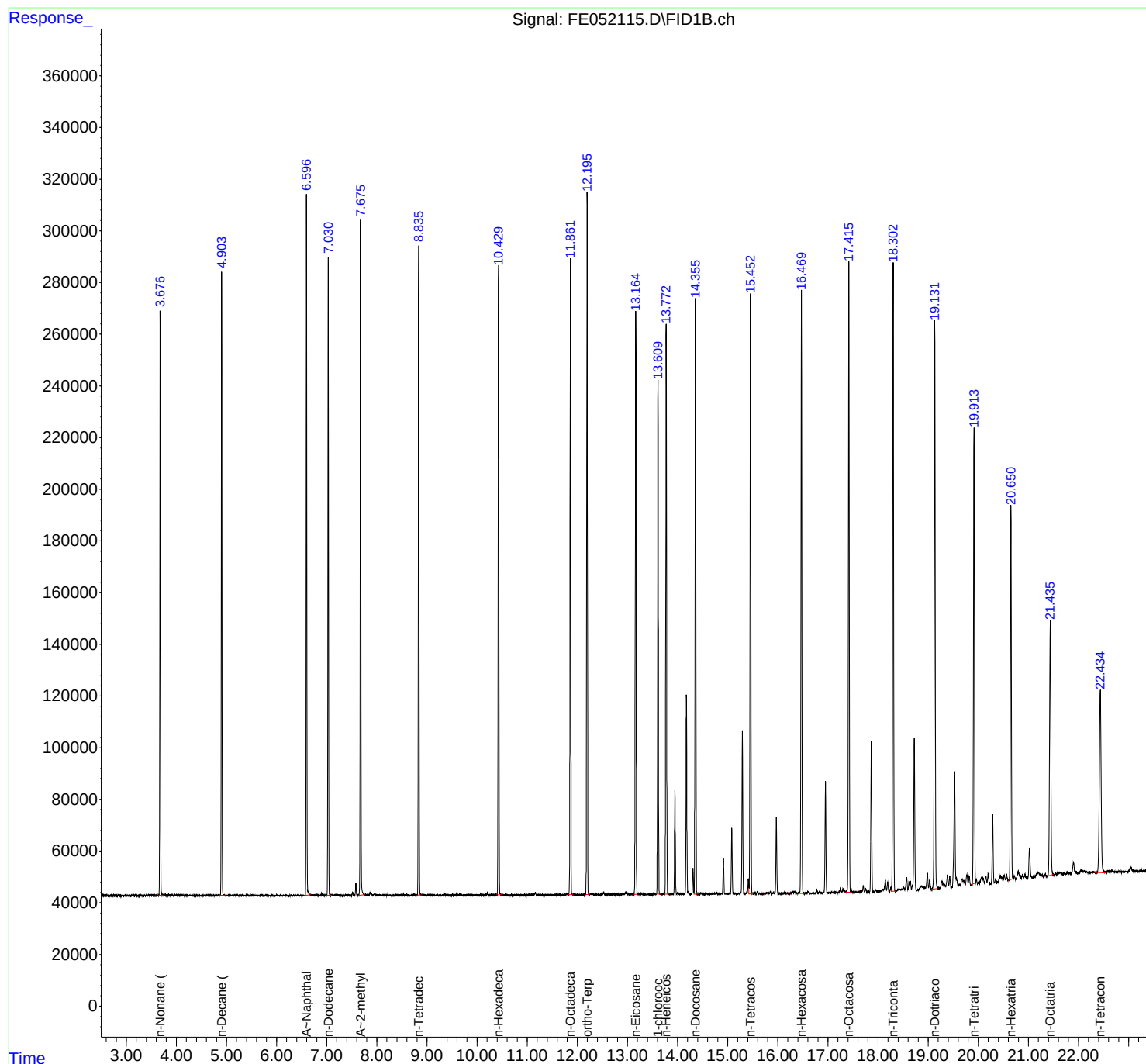
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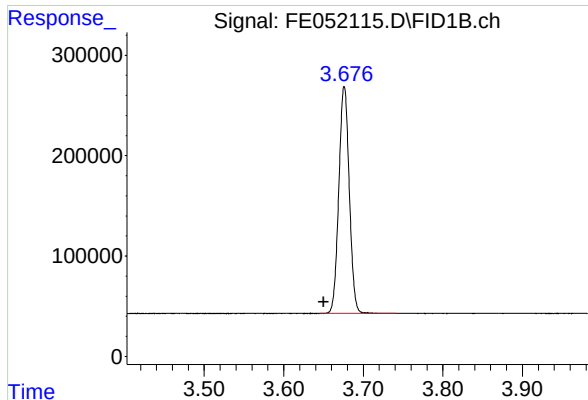
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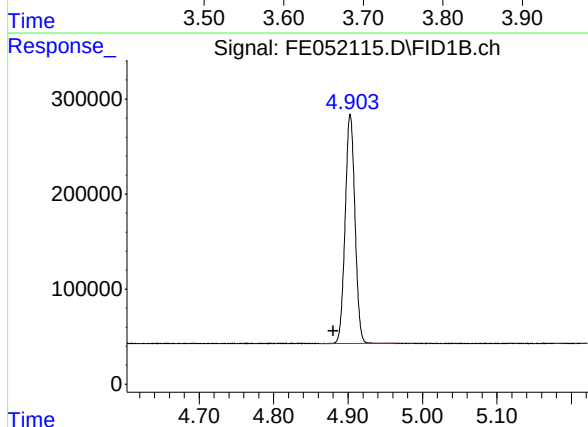
#1 n-Nonane (C9)

R.T.: 3.676 min
Delta R.T.: 0.026 min
Response: 2066222
Conc: 19.38 ug/ml

Instrument : FID_E
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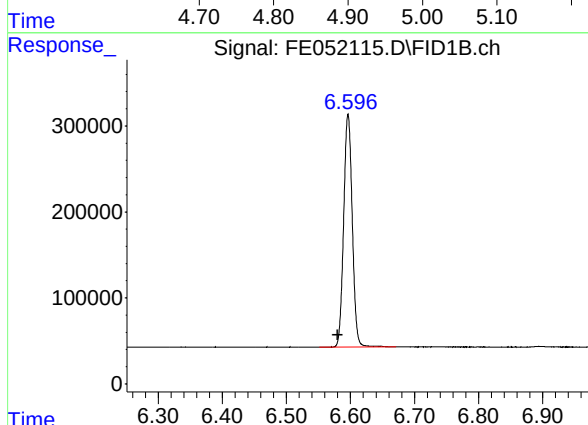
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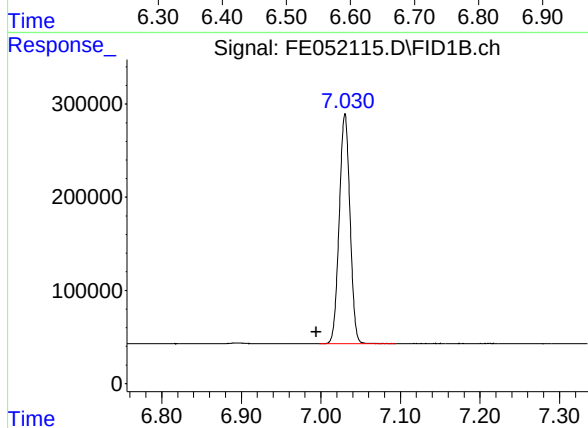
#2 n-Decane (C10)

R.T.: 4.903 min
Delta R.T.: 0.023 min
Response: 2203790
Conc: 20.13 ug/ml



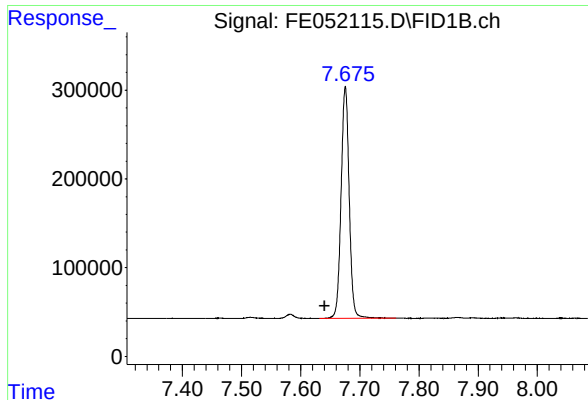
#3 A~Naphthalene (C11.7)

R.T.: 6.596 min
Delta R.T.: 0.016 min
Response: 2505439
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.030 min
Delta R.T.: 0.036 min
Response: 2318335
Conc: 20.54 ug/ml



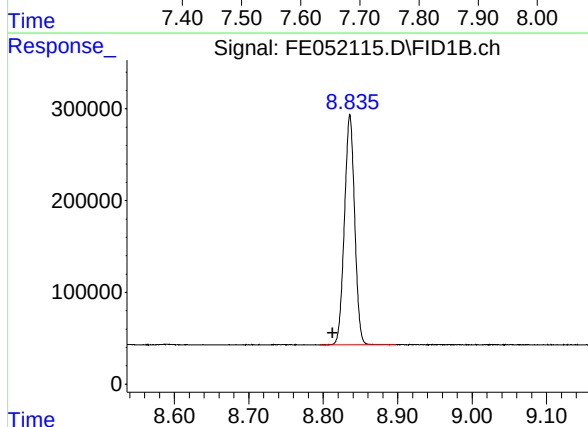
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.675 min
Delta R.T.: 0.035 min
Response: 2483778
Conc: 20.80 ug/ml

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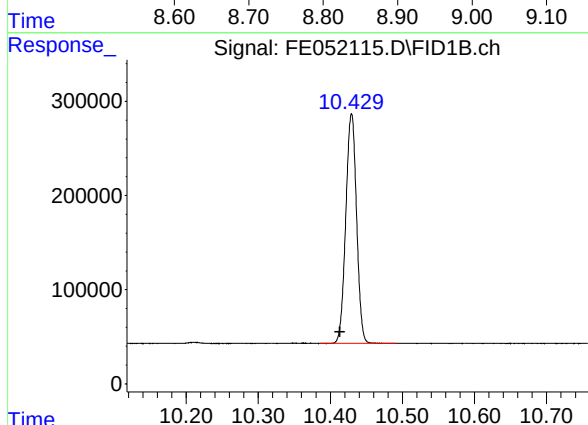
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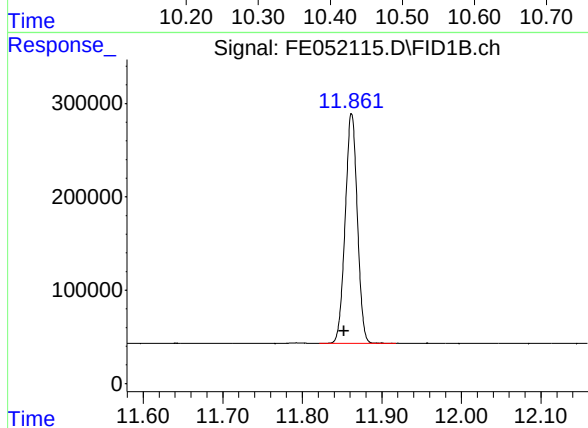
#6 n-Tetradecane (C14)

R.T.: 8.836 min
Delta R.T.: 0.023 min
Response: 2395392
Conc: 20.60 ug/ml



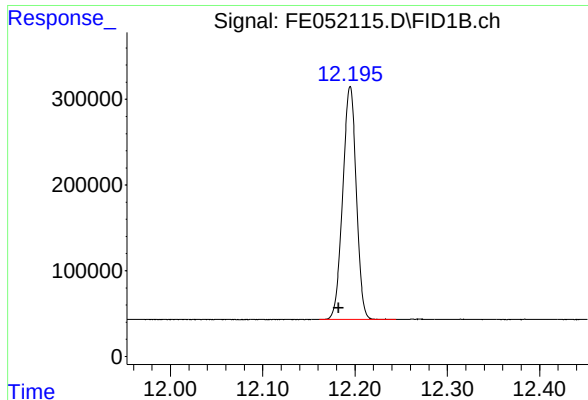
#7 n-Hexadecane (C16)

R.T.: 10.429 min
Delta R.T.: 0.016 min
Response: 2538704
Conc: 20.13 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.862 min
Delta R.T.: 0.010 min
Response: 2606835
Conc: 19.70 ug/ml



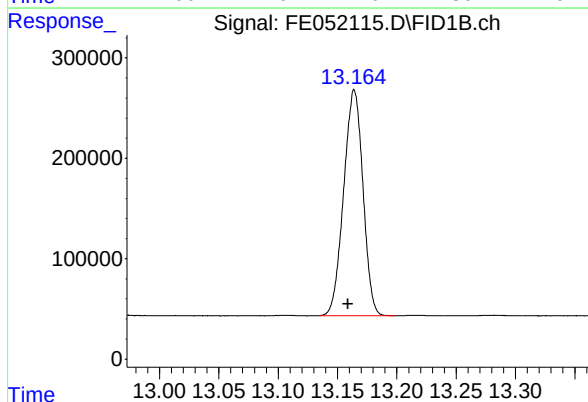
#9 ortho-Terphenyl (SURR)

R.T.: 12.195 min
Delta R.T.: 0.012 min
Response: 2774382
Conc: 19.41 ug/ml

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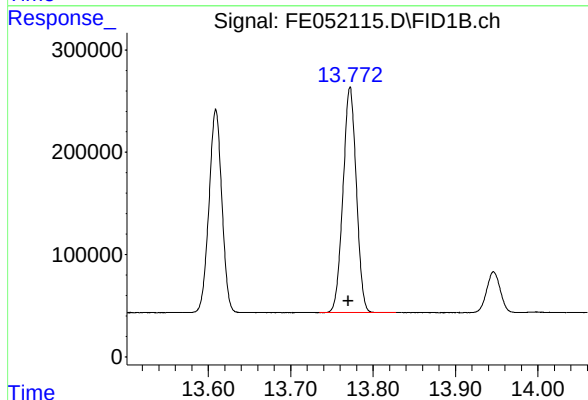
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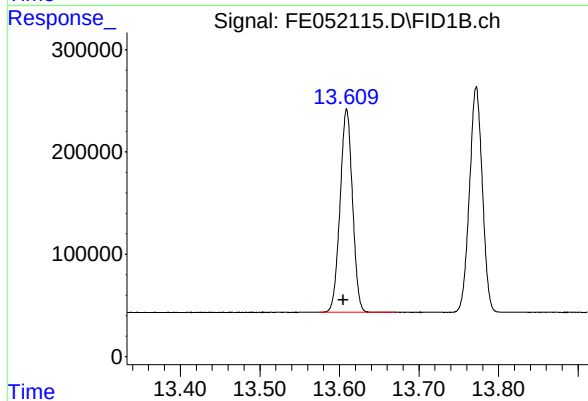
#10 n-Eicosane (C20)

R.T.: 13.164 min
Delta R.T.: 0.005 min
Response: 2547371
Conc: 19.43 ug/ml



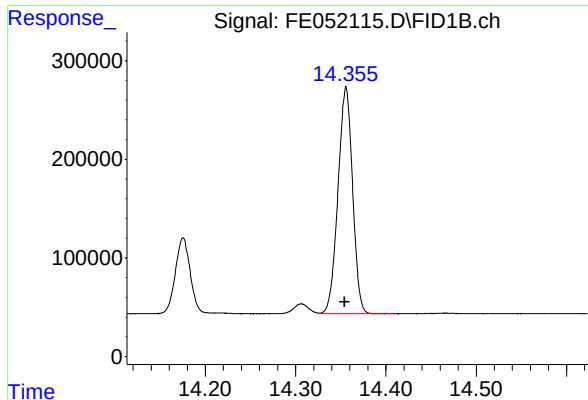
#11 n-Heneicosane (C21)

R.T.: 13.772 min
Delta R.T.: 0.002 min
Response: 2474307
Conc: 19.01 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.609 min
Delta R.T.: 0.004 min
Response: 2148808
Conc: 18.73 ug/ml



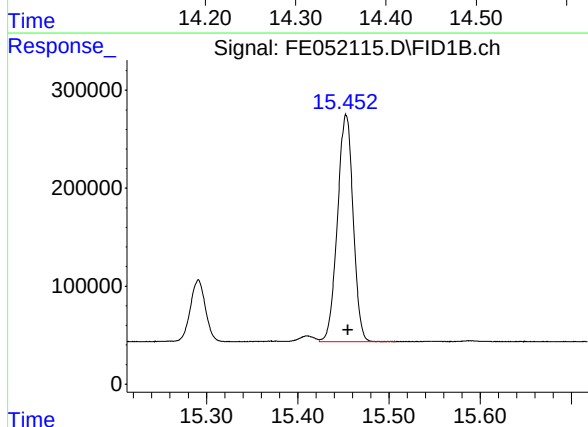
#13 n-Docosane (C22)

R.T.: 14.356 min
Delta R.T.: 0.002 min
Response: 2579353
Conc: 19.65 ug/ml

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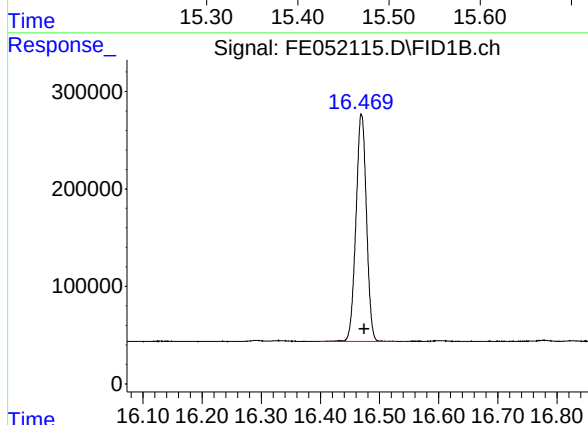
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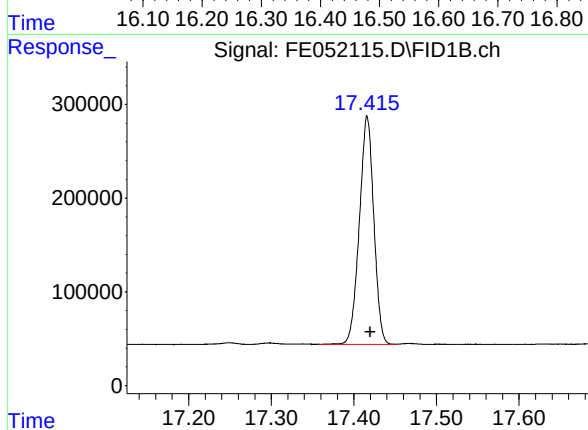
#14 n-Tetracosane (C24)

R.T.: 15.453 min
Delta R.T.: -0.002 min
Response: 2768399
Conc: 20.84 ug/ml



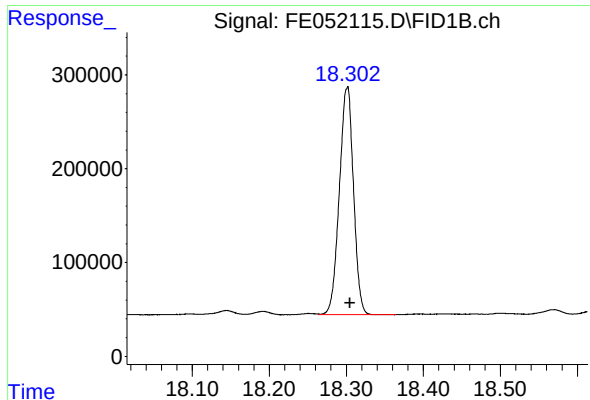
#15 n-Hexacosane (C26)

R.T.: 16.470 min
Delta R.T.: -0.004 min
Response: 2876629
Conc: 21.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.416 min
Delta R.T.: -0.004 min
Response: 2956746
Conc: 22.40 ug/ml



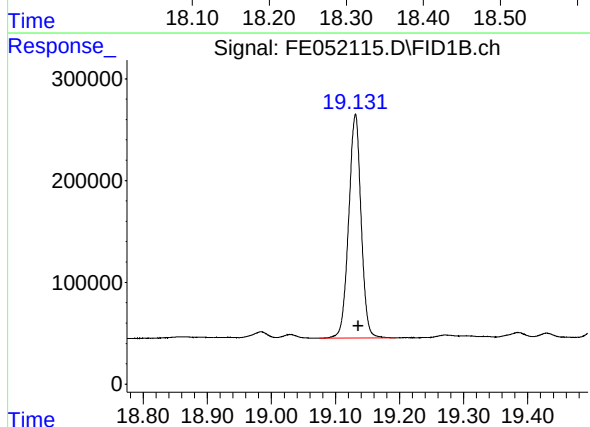
#17 n-Tricontane (C30)

R.T.: 18.301 min
Delta R.T.: -0.004 min
Response: 3096831
Conc: 22.71 ug/ml

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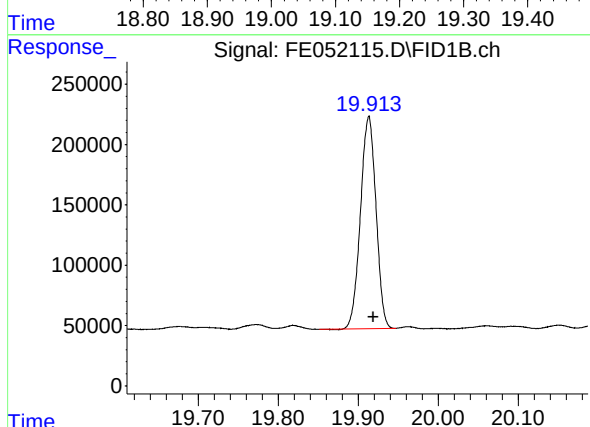
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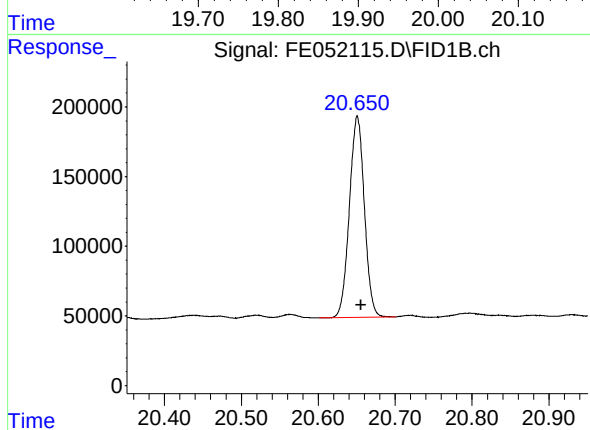
#18 n-Dotriacontane (C32)

R.T.: 19.131 min
Delta R.T.: -0.005 min
Response: 2953024
Conc: 22.53 ug/ml



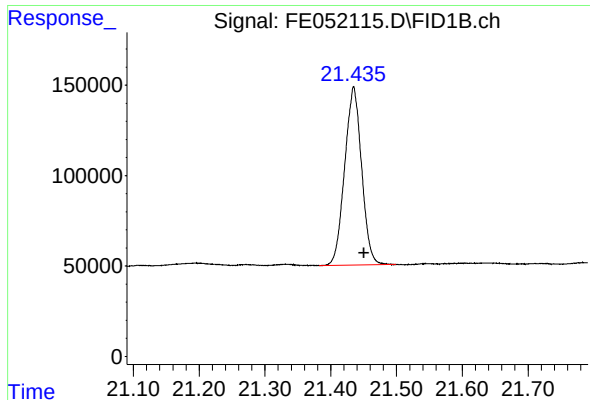
#19 n-Tetatriacontane (C34)

R.T.: 19.913 min
Delta R.T.: -0.005 min
Response: 2370441
Conc: 21.05 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.651 min
Delta R.T.: -0.005 min
Response: 1952146
Conc: 20.55 ug/ml



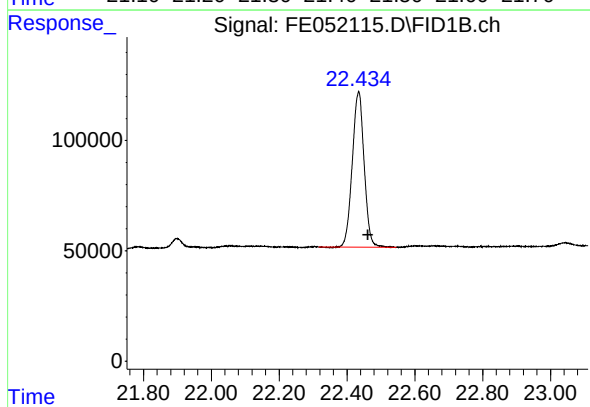
#21 n-Octatriacontane (C38)

R.T.: 21.435 min
Delta R.T.: -0.016 min
Response: 1760540
Conc: 20.38 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.434 min
Delta R.T.: -0.028 min
Response: 1715689
Conc: 20.82 ug/ml