

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE052925AL\
 Data File : FE054086.D
 Signal(s) : FID1B.ch
 Acq On : 29 May 2025 23:36
 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 05/30/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File: autoint1.e
 Quant Time: May 30 01:39:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051425.M
 Quant Title : GC Extractables
 QLast Update : Wed May 14 12:15:41 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)	11.855	3138883	19.315 ug/ml
Spiked Amount 50.000		Recovery =	38.63%
12) S 1-chlorooctadecane (S...	13.299	2390808	20.167 ug/ml
Spiked Amount 50.000		Recovery =	40.33%
Target Compounds			
1) T n-Nonane (C9)	3.193	2316786	17.142 ug/ml
2) T n-Decane (C10)	4.457	2390816	17.693 ug/ml
3) T A~Naphthalene (C11.7)	6.178	2701840	18.800 ug/ml
4) T n-Dodecane (C12)	6.640	2474829	18.143 ug/ml
5) T A~2-methylnaphthalene...	7.281	2675430	19.288 ug/ml
6) T n-Tetradecane (C14)	8.476	2512342	18.617 ug/ml
7) T n-Hexadecane (C16)	10.090	2585580	19.162 ug/ml
8) T n-Octadecane (C18)	11.538	2605117	19.346 ug/ml
10) T n-Eicosane (C20)	12.852	2567686	19.537 ug/ml
11) T n-Heneicosane (C21)	13.466	2577469	19.881 ug/ml
13) T n-Docosane (C22)	14.055	2617298	20.516 ug/mlm
14) T n-Tetracosane (C24)	15.161	2621951	20.956 ug/ml
15) T n-Hexacosane (C26)	16.186	2466735	20.145 ug/ml
16) T n-Octacosane (C28)	17.138	2448006	20.138 ug/ml
17) T n-Tricontane (C30)	18.028	2547626	20.452 ug/ml
18) T n-Dotriacontane (C32)	18.863	2616306	20.921 ug/ml
19) T n-Tetratriacontane (C34)	19.648	2576433	21.629 ug/ml
20) T n-Hexatriacontane (C36)	20.390	2560854	22.117 ug/ml
21) T n-Octatriacontane (C38)	21.122	2496979	22.945 ug/mlm
22) T n-Tetracontane (C40)	22.028	2391866	24.104 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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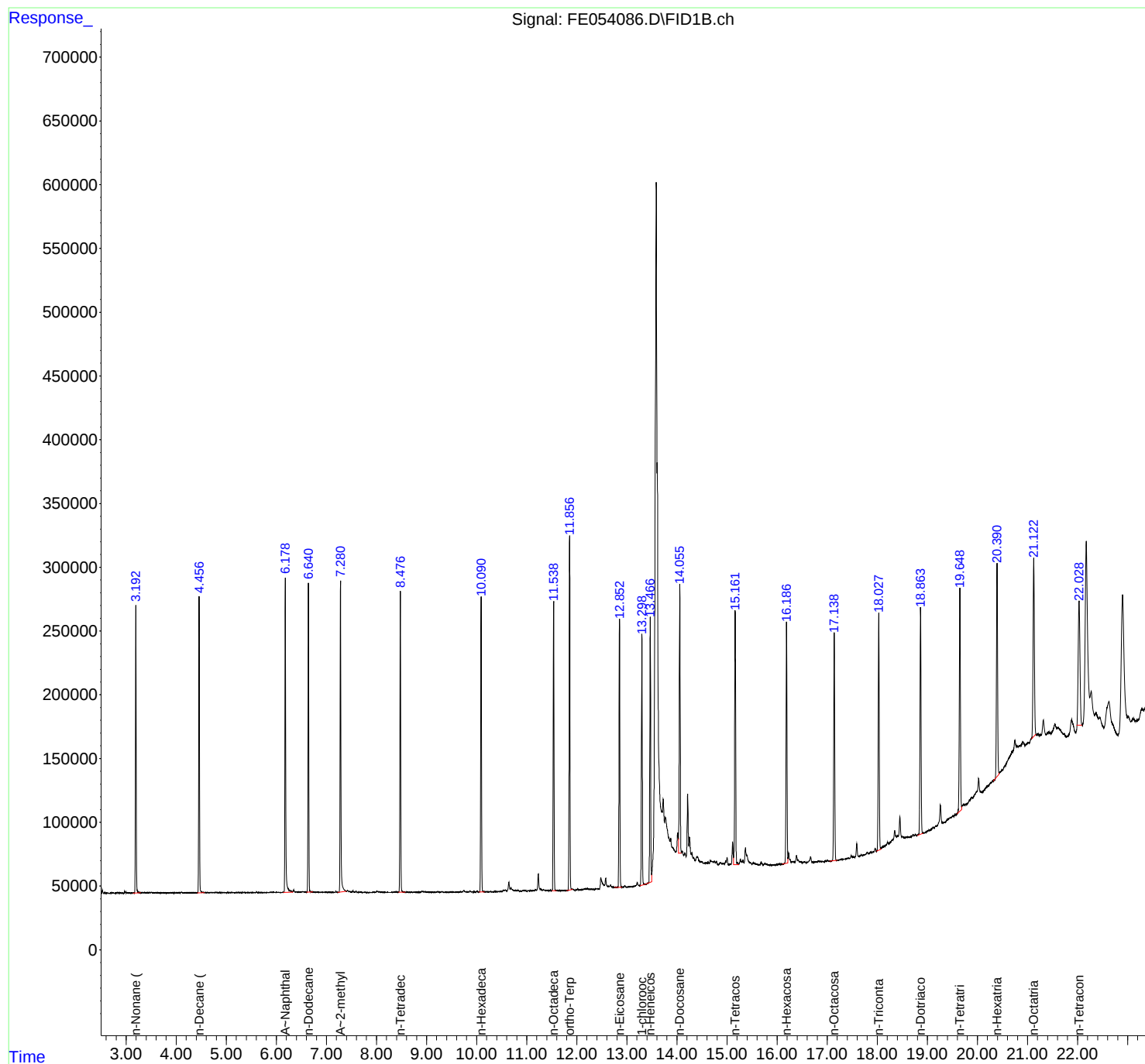
Instrument :
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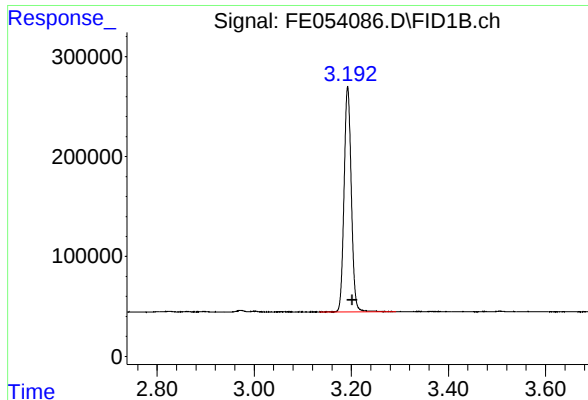
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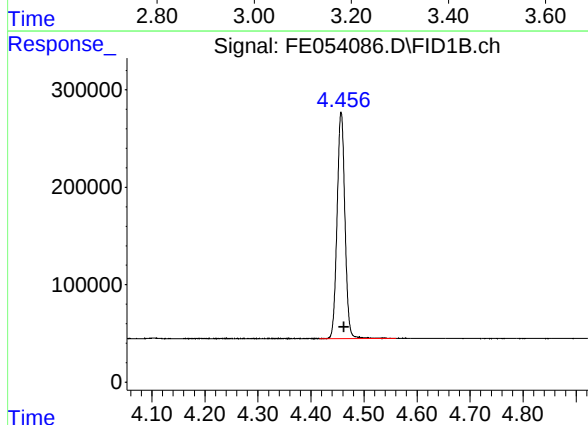
#1 n-Nonane (C9)

R.T.: 3.193 min
Delta R.T.: -0.009 min
Response: 2316786
Conc: 17.14 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

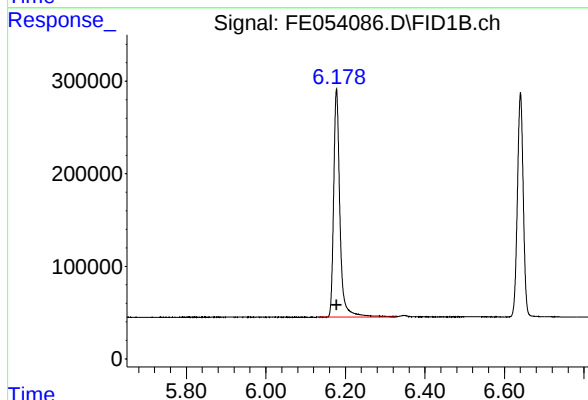
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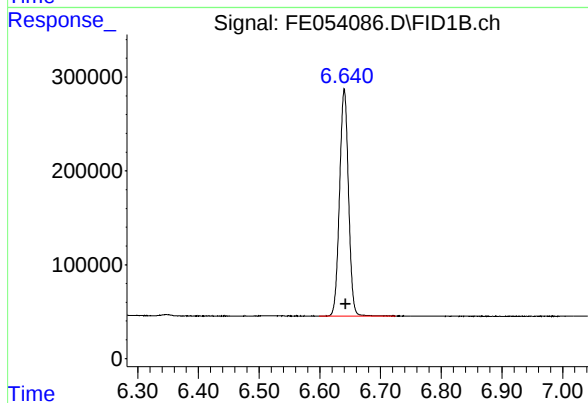
#2 n-Decane (C10)

R.T.: 4.457 min
Delta R.T.: -0.005 min
Response: 2390816
Conc: 17.69 ug/ml



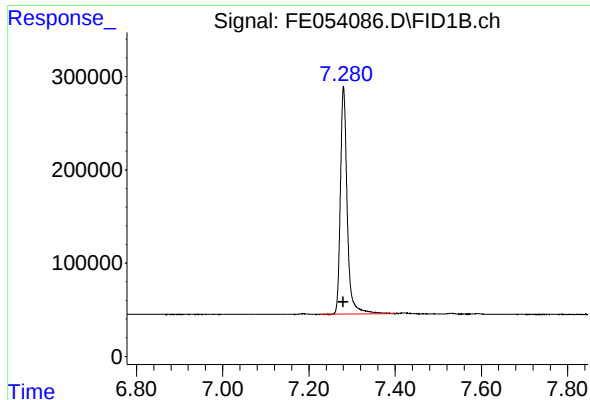
#3 A~Naphthalene (C11.7)

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 2701840
Conc: 18.80 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.640 min
Delta R.T.: -0.002 min
Response: 2474829
Conc: 18.14 ug/ml



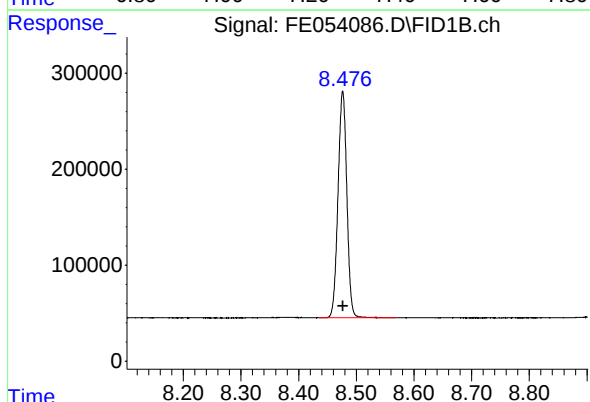
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 2675430
Conc: 19.29 ug/ml

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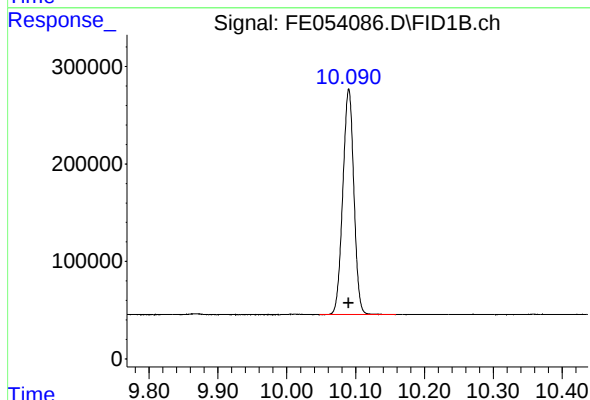
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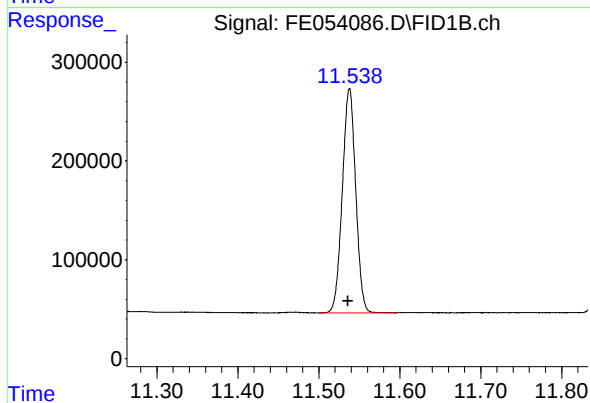
#6 n-Tetradecane (C14)

R.T.: 8.476 min
Delta R.T.: 0.000 min
Response: 2512342
Conc: 18.62 ug/ml



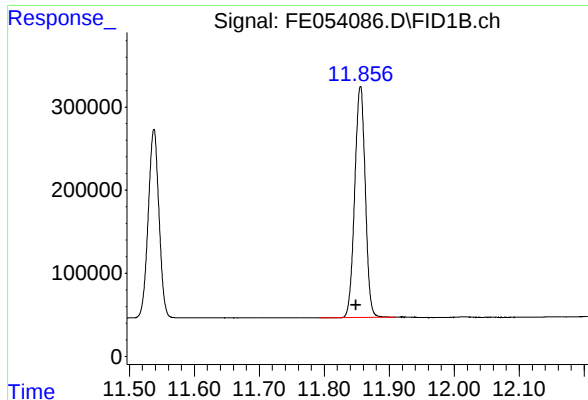
#7 n-Hexadecane (C16)

R.T.: 10.090 min
Delta R.T.: 0.000 min
Response: 2585580
Conc: 19.16 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min
Delta R.T.: 0.002 min
Response: 2605117
Conc: 19.35 ug/ml



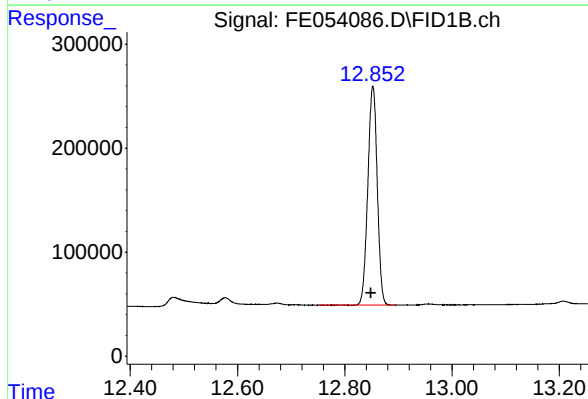
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: 0.007 min
Response: 3138883
Conc: 19.31 ug/ml

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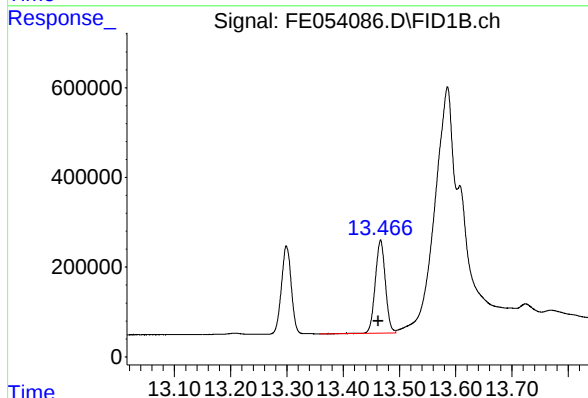
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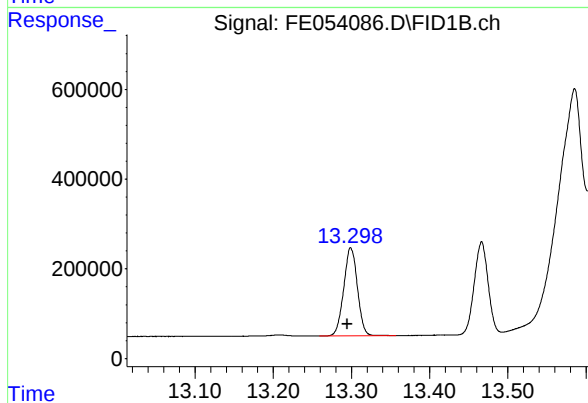
#10 n-Eicosane (C20)

R.T.: 12.852 min
Delta R.T.: 0.004 min
Response: 2567686
Conc: 19.54 ug/ml



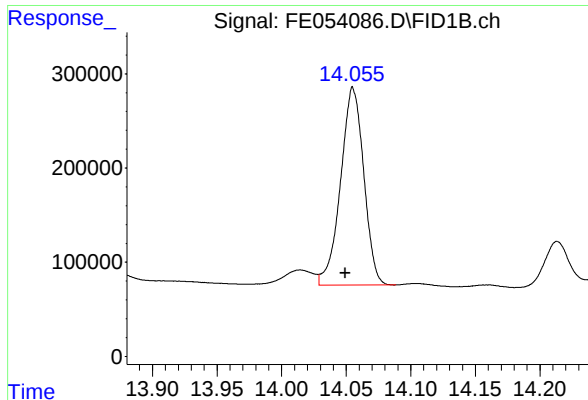
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: 0.004 min
Response: 2577469
Conc: 19.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.299 min
Delta R.T.: 0.005 min
Response: 2390808
Conc: 20.17 ug/ml



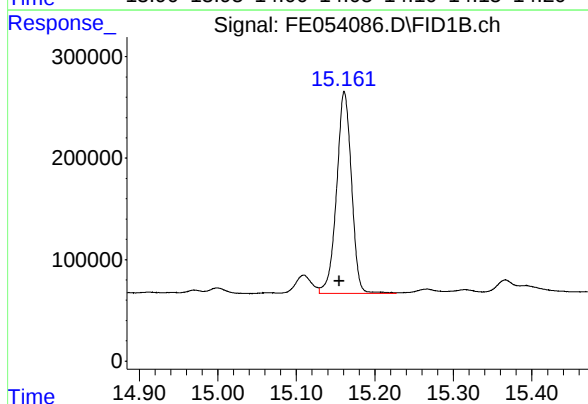
#13 n-Docosane (C22)

R.T.: 14.055 min
Delta R.T.: 0.005 min
Response: 2617298
Conc: 20.52 ug/ml

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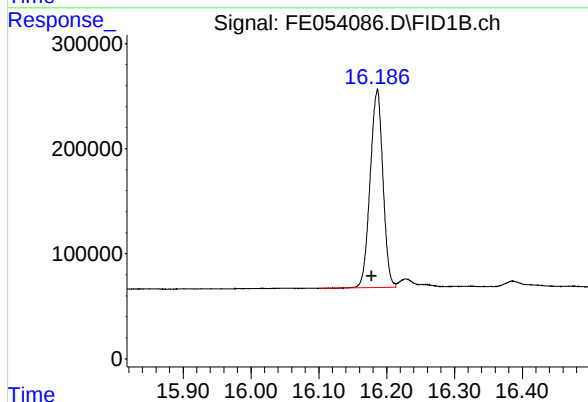
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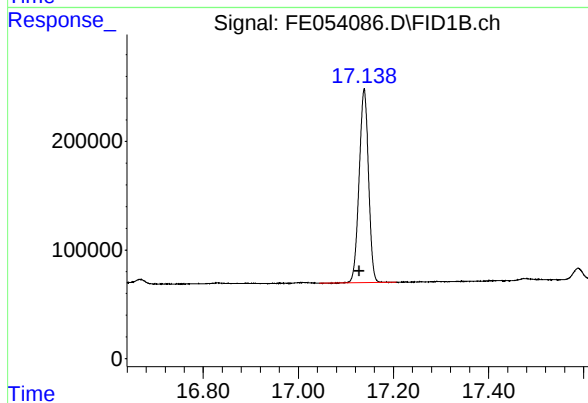
#14 n-Tetracosane (C24)

R.T.: 15.161 min
Delta R.T.: 0.007 min
Response: 2621951
Conc: 20.96 ug/ml



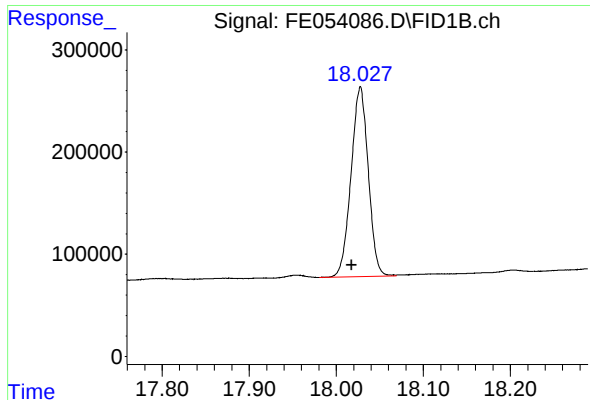
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: 0.008 min
Response: 2466735
Conc: 20.14 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.138 min
Delta R.T.: 0.010 min
Response: 2448006
Conc: 20.14 ug/ml



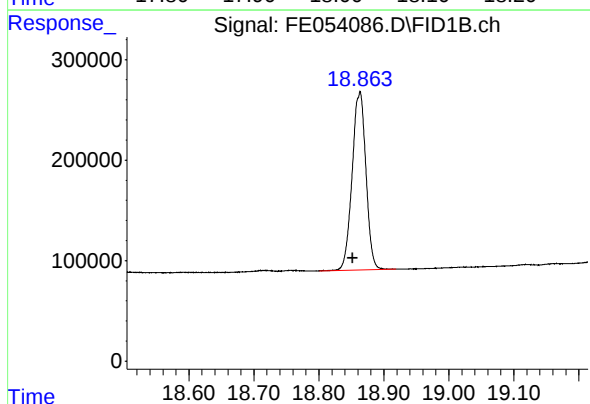
#17 n-Tricontane (C30)

R.T.: 18.028 min
Delta R.T.: 0.010 min
Response: 2547626
Conc: 20.45 ug/ml

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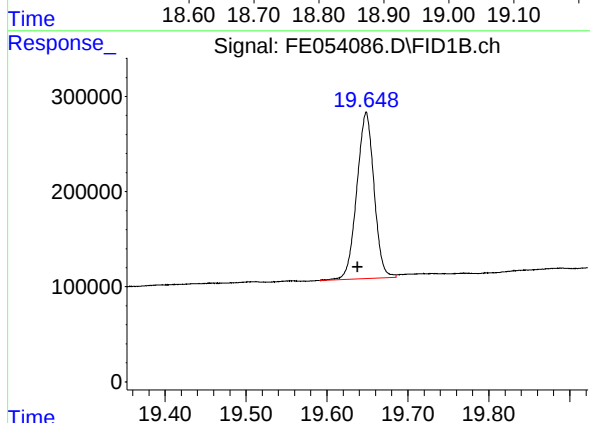
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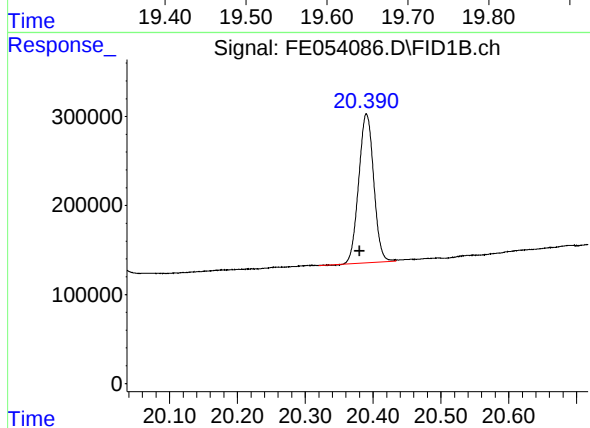
#18 n-Dotriacontane (C32)

R.T.: 18.863 min
Delta R.T.: 0.010 min
Response: 2616306
Conc: 20.92 ug/ml



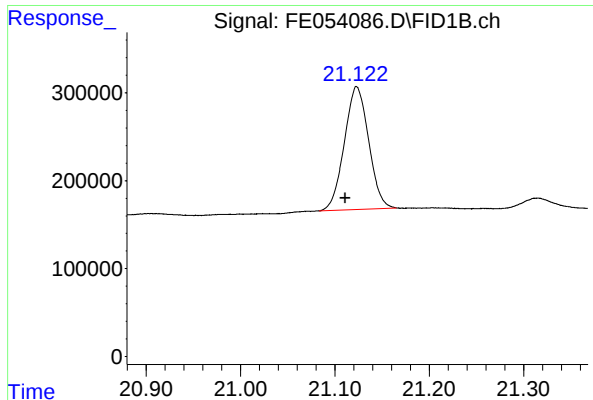
#19 n-Tetratriacontane (C34)

R.T.: 19.648 min
Delta R.T.: 0.011 min
Response: 2576433
Conc: 21.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.390 min
Delta R.T.: 0.010 min
Response: 2560854
Conc: 22.12 ug/ml



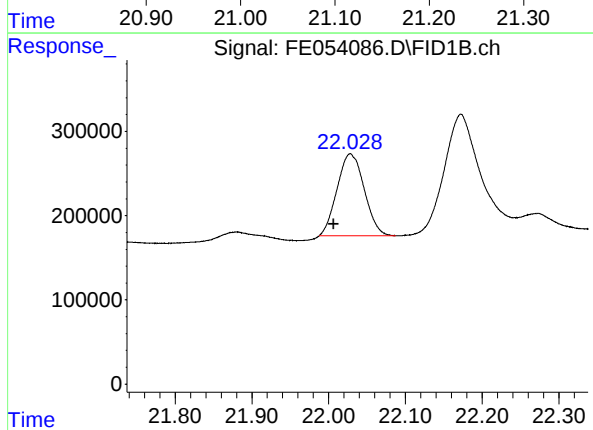
#21 n-Octatriacontane (C38)

R.T.: 21.122 min
Delta R.T.: 0.011 min
Response: 2496979
Conc: 22.94 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.028 min
Delta R.T.: 0.021 min
Response: 2391866
Conc: 24.10 ug/ml m