

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042225AL\
 Data File : FE053489.D
 Signal(s) : FID1B.ch
 Acq On : 23 Apr 2025 03:49
 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 04/23/2025
 Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e
 Quant Time: Apr 23 04:31:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 16 18:29:18 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)	11.872	3208622	17.790 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
12) S 1-chlorooctadecane (S...	13.316	2375692	17.575 ug/ml
Spiked Amount 50.000		Recovery =	35.15%
Target Compounds			
1) T n-Nonane (C9)	3.220	2613621	19.063 ug/ml
2) T n-Decane (C10)	4.481	2666859	19.278 ug/ml
3) T A~Naphthalene (C11.7)	6.193	2905297	19.247 ug/ml
4) T n-Dodecane (C12)	6.661	2694580	19.213 ug/ml
5) T A~2-methylnaphthalene...	7.295	2874263	19.251 ug/ml
6) T n-Tetradecane (C14)	8.497	2663454	18.985 ug/ml
7) T n-Hexadecane (C16)	10.110	2661284	18.569 ug/ml
8) T n-Octadecane (C18)	11.557	2610971	17.916 ug/ml
10) T n-Eicosane (C20)	12.871	2578932	17.723 ug/ml
11) T n-Heneicosane (C21)	13.485	2548731	17.596 ug/ml
13) T n-Docosane (C22)	14.072	2517784	17.448 ug/ml
14) T n-Tetracosane (C24)	15.178	2486304	17.309 ug/ml
15) T n-Hexacosane (C26)	16.201	2443940	17.256 ug/ml
16) T n-Octacosane (C28)	17.152	2437542	17.520 ug/ml
17) T n-Tricontane (C30)	18.042	2514850	18.067 ug/ml
18) T n-Dotriacontane (C32)	18.875	2542965	18.520 ug/mlm
19) T n-Tetratriacontane (C34)	19.659	2419238	18.568 ug/mlm
20) T n-Hexatriacontane (C36)	20.401	2426900	19.224 ug/mlm
21) T n-Octatriacontane (C38)	21.136	2373820	19.485 ug/mlm
22) T n-Tetracontane (C40)	22.042	2354845	19.719 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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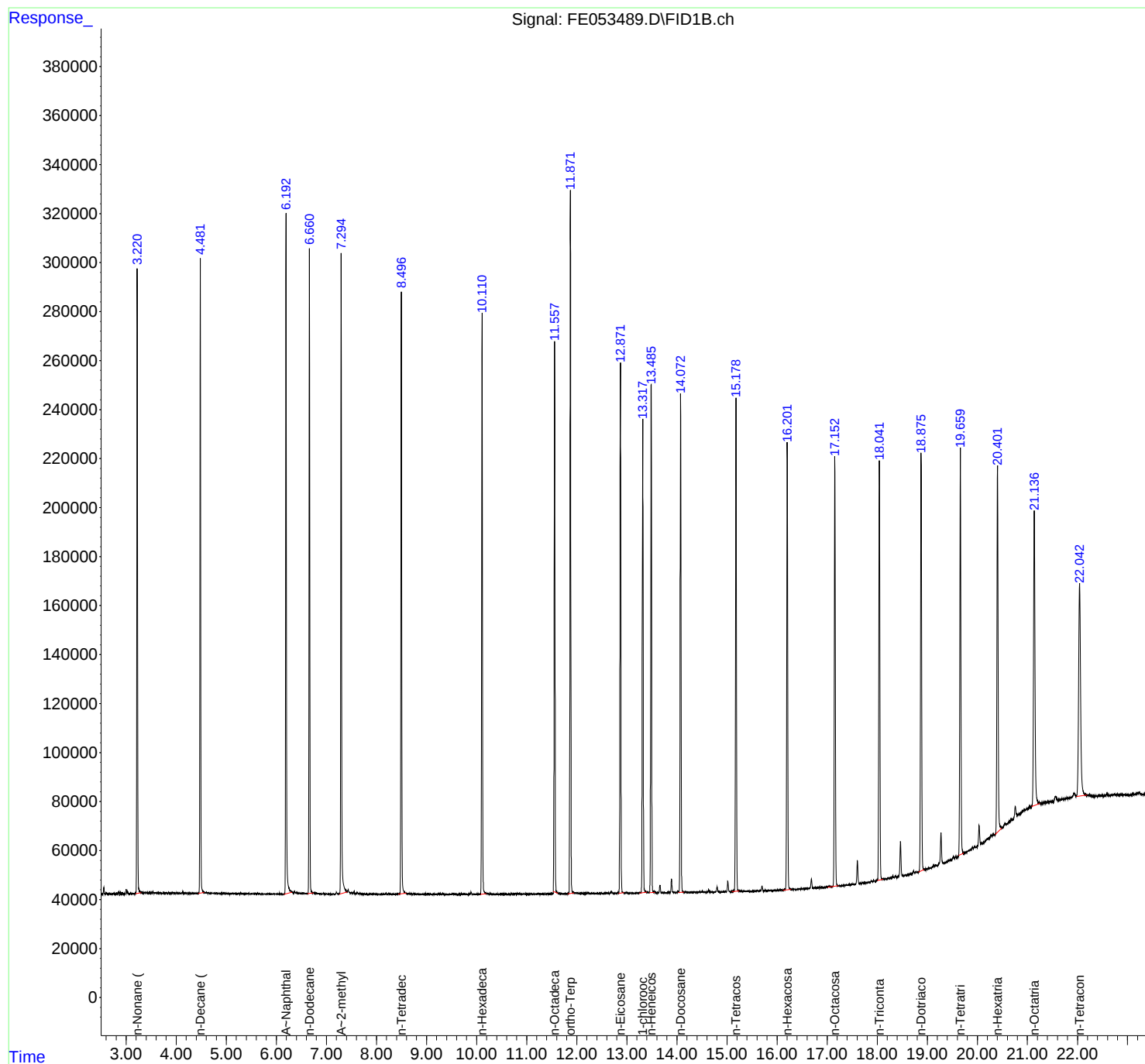
Instrument :
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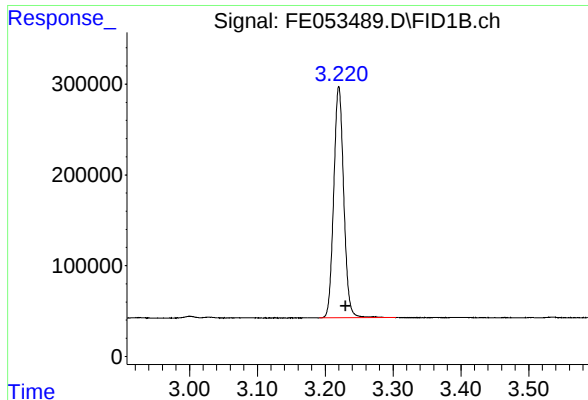
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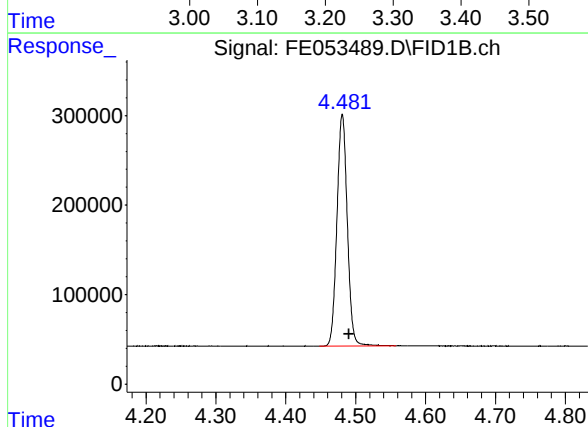
#1 n-Nonane (C9)

R.T.: 3.220 min
Delta R.T.: -0.010 min
Response: 2613621
Conc: 19.06 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

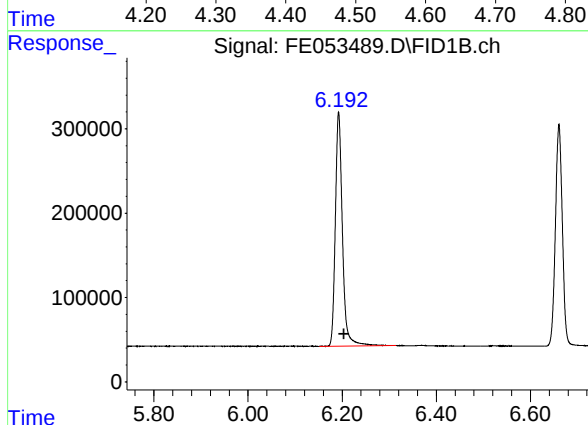
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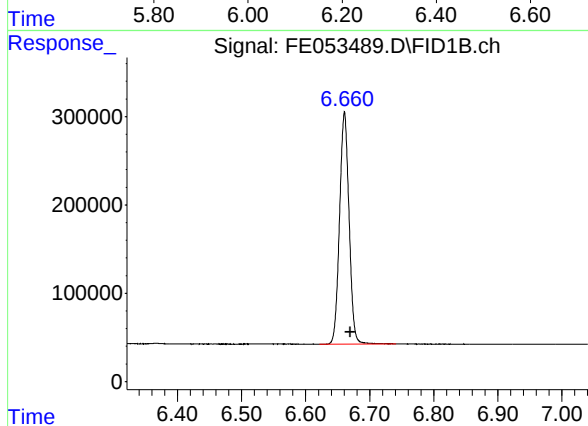
#2 n-Decane (C10)

R.T.: 4.481 min
Delta R.T.: -0.009 min
Response: 2666859
Conc: 19.28 ug/ml



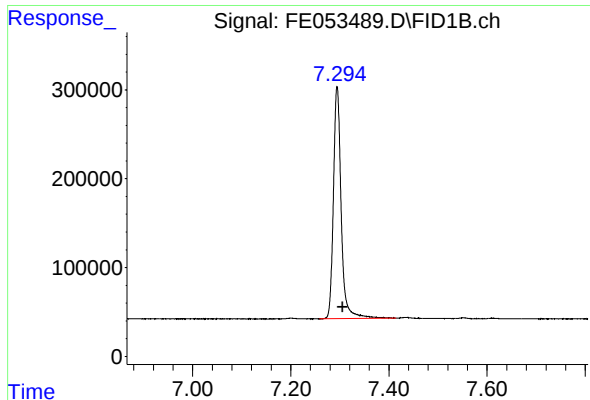
#3 A~Naphthalene (C11.7)

R.T.: 6.193 min
Delta R.T.: -0.011 min
Response: 2905297
Conc: 19.25 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.009 min
Response: 2694580
Conc: 19.21 ug/ml



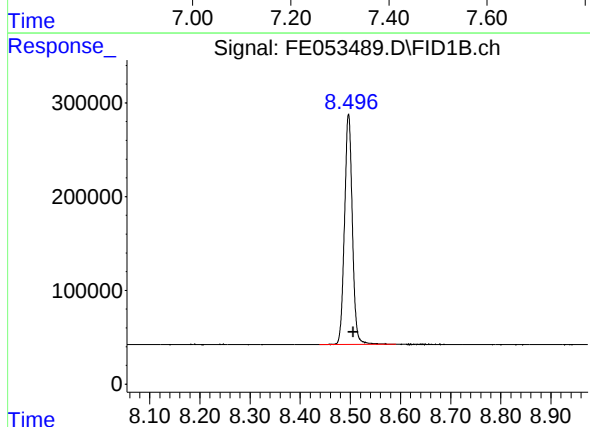
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.295 min
Delta R.T.: -0.011 min
Response: 2874263
Conc: 19.25 ug/ml

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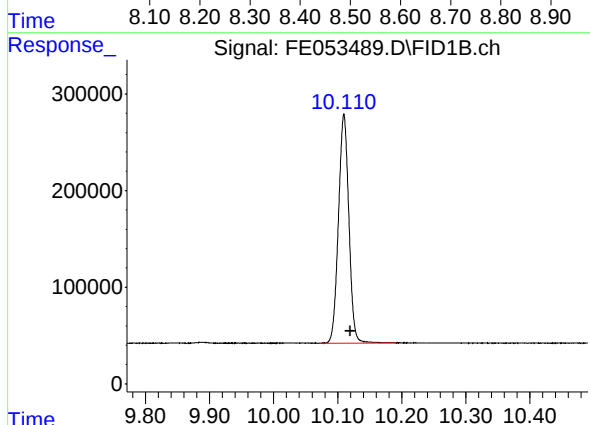
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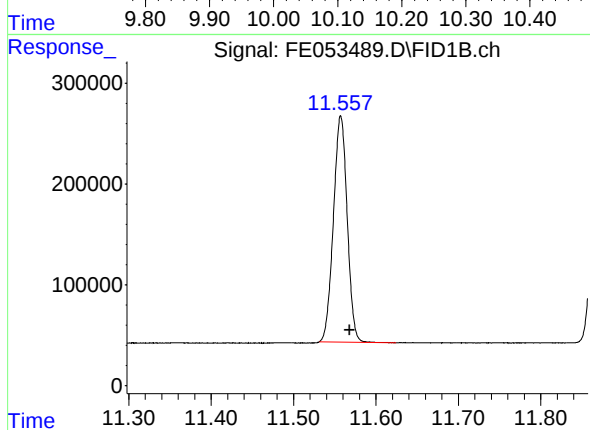
#6 n-Tetradecane (C14)

R.T.: 8.497 min
Delta R.T.: -0.009 min
Response: 2663454
Conc: 18.99 ug/ml



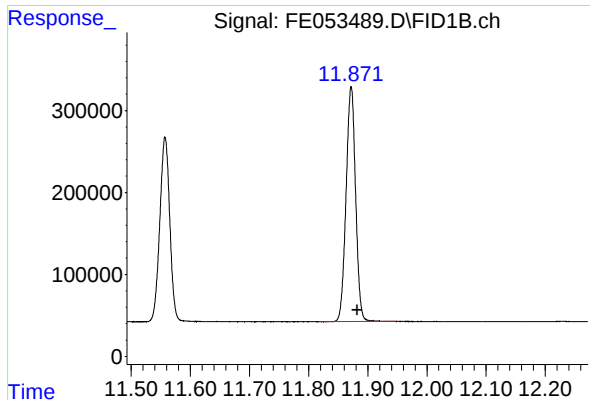
#7 n-Hexadecane (C16)

R.T.: 10.110 min
Delta R.T.: -0.010 min
Response: 2661284
Conc: 18.57 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.011 min
Response: 2610971
Conc: 17.92 ug/ml



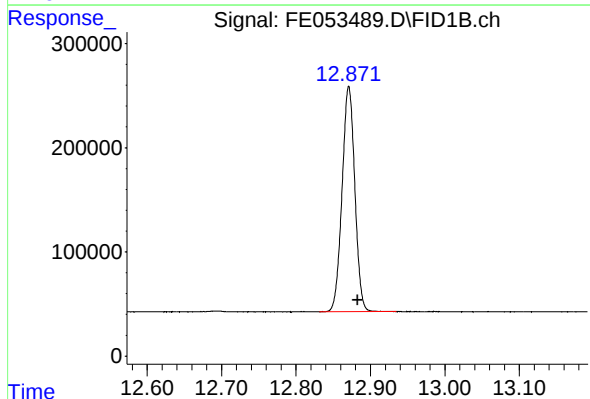
#9 ortho-Terphenyl (SURR)

R.T.: 11.872 min
Delta R.T.: -0.011 min
Response: 3208622
Conc: 17.79 ug/ml

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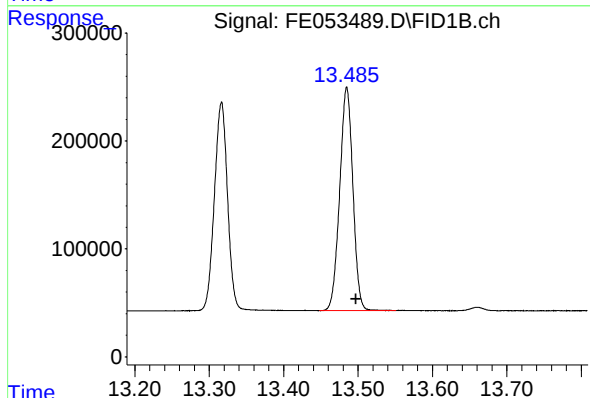
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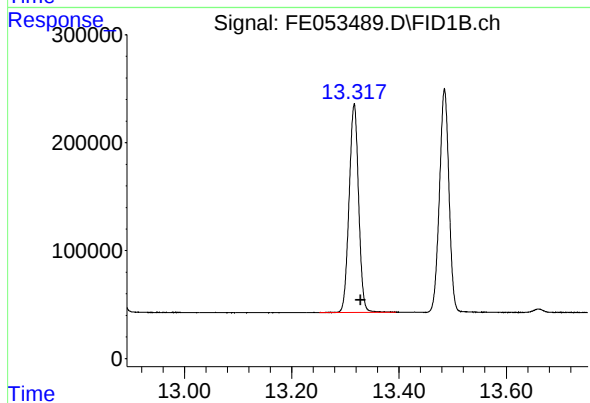
#10 n-Eicosane (C20)

R.T.: 12.871 min
Delta R.T.: -0.012 min
Response: 2578932
Conc: 17.72 ug/ml



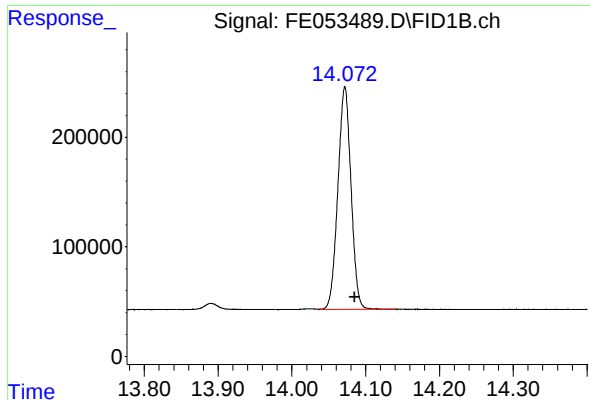
#11 n-Heneicosane (C21)

R.T.: 13.485 min
Delta R.T.: -0.012 min
Response: 2548731
Conc: 17.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.316 min
Delta R.T.: -0.012 min
Response: 2375692
Conc: 17.57 ug/ml



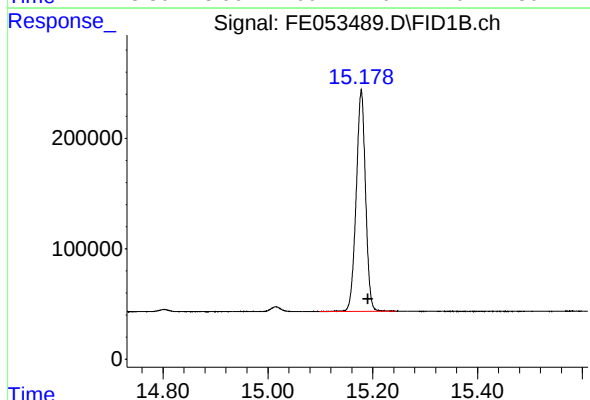
#13 n-Docosane (C22)

R.T.: 14.072 min
Delta R.T.: -0.013 min
Response: 2517784
Conc: 17.45 ug/ml

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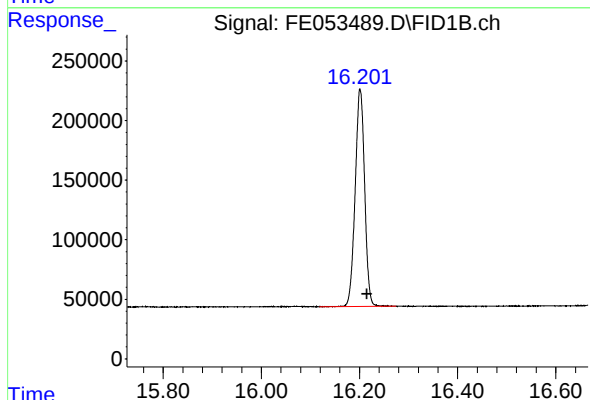
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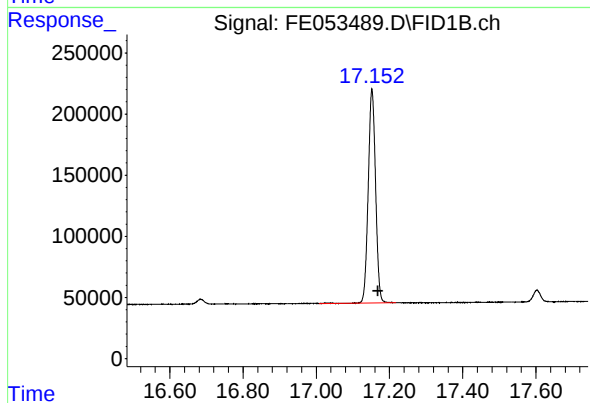
#14 n-Tetracosane (C24)

R.T.: 15.178 min
Delta R.T.: -0.013 min
Response: 2486304
Conc: 17.31 ug/ml



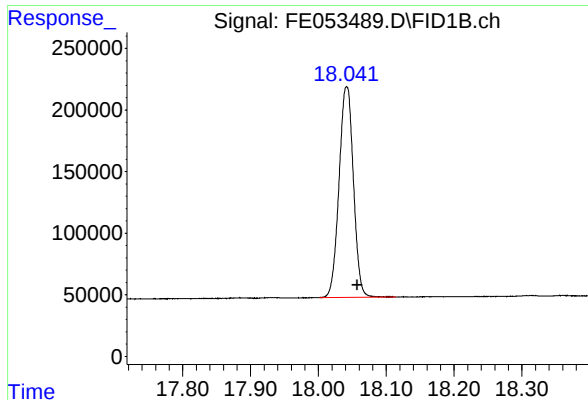
#15 n-Hexacosane (C26)

R.T.: 16.201 min
Delta R.T.: -0.014 min
Response: 2443940
Conc: 17.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.152 min
Delta R.T.: -0.016 min
Response: 2437542
Conc: 17.52 ug/ml



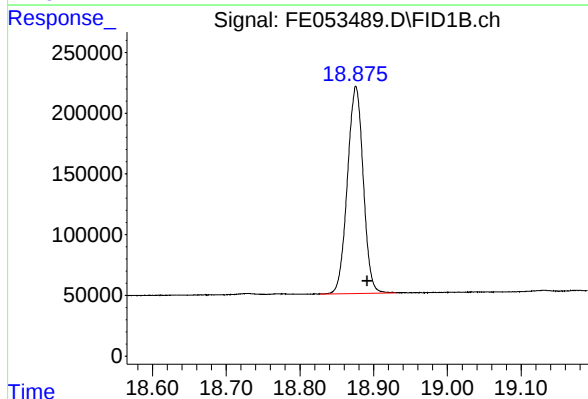
#17 n-Tricontane (C30)

R.T.: 18.042 min
Delta R.T.: -0.015 min
Response: 2514850
Conc: 18.07 ug/ml

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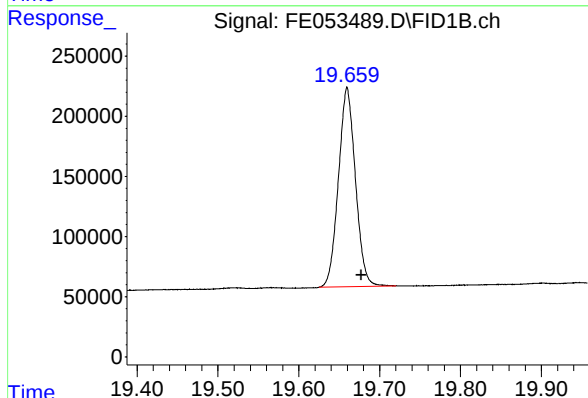
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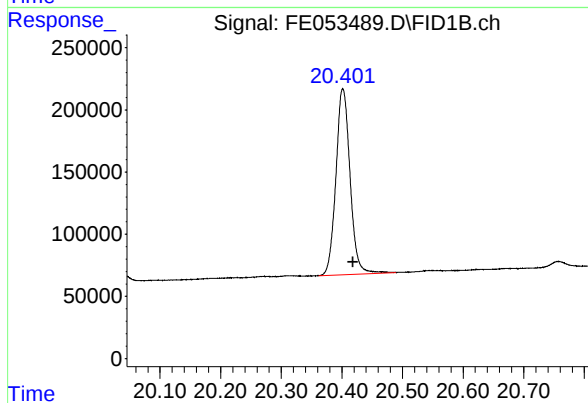
#18 n-Dotriacontane (C32)

R.T.: 18.875 min
Delta R.T.: -0.016 min
Response: 2542965
Conc: 18.52 ug/ml m



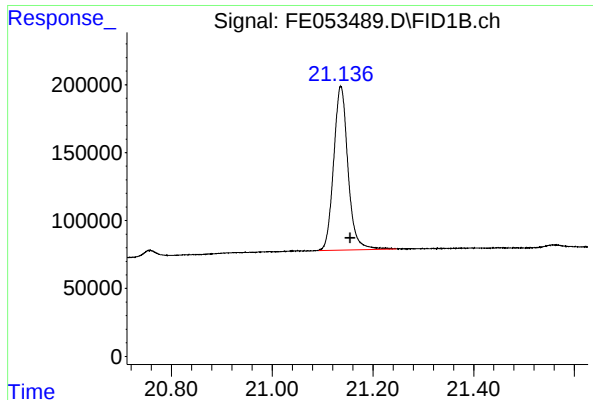
#19 n-Tetratriacontane (C34)

R.T.: 19.659 min
Delta R.T.: -0.018 min
Response: 2419238
Conc: 18.57 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.401 min
Delta R.T.: -0.017 min
Response: 2426900
Conc: 19.22 ug/ml m



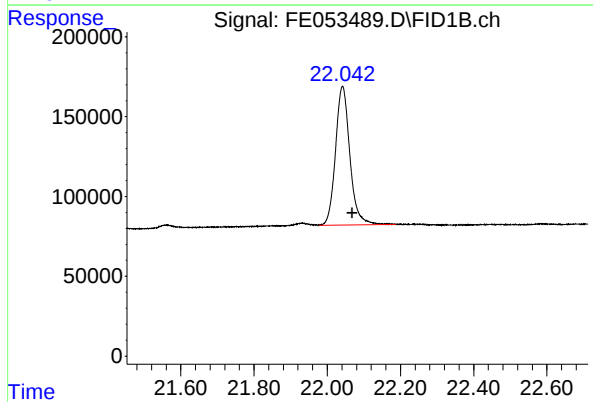
#21 n-Octatriacontane (C38)

R.T.: 21.136 min
Delta R.T.: -0.019 min
Response: 2373820
Conc: 19.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.042 min
Delta R.T.: -0.027 min
Response: 2354845
Conc: 19.72 ug/ml