

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE022125AL\
 Data File : FE052457.D
 Signal(s) : FID1B.ch
 Acq On : 22 Feb 2025 01:16
 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 02/24/2025
 Supervised By :Ankita Jodhani 02/24/2025

Integration File: autoint1.e
 Quant Time: Feb 22 01:43:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 021325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 14 00:50:00 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)	11.915	3265079	17.467 ug/ml
Spiked Amount 50.000		Recovery =	34.93%
12) S 1-chlorooctadecane (S...	13.360	2454784	17.661 ug/mlm
Spiked Amount 50.000		Recovery =	35.32%
Target Compounds			
1) T n-Nonane (C9)	3.254	3023869	19.699 ug/ml
2) T n-Decane (C10)	4.516	3081199	19.727 ug/ml
3) T A~Naphthalene (C11.7)	6.229	3390452	19.624 ug/ml
4) T n-Dodecane (C12)	6.698	3061022	19.393 ug/ml
5) T A~2-methylnaphthalene...	7.332	3258021	19.399 ug/ml
6) T n-Tetradecane (C14)	8.535	2964356	18.820 ug/ml
7) T n-Hexadecane (C16)	10.150	3008218	18.406 ug/ml
8) T n-Octadecane (C18)	11.599	2986716	18.051 ug/ml
10) T n-Eicosane (C20)	12.914	2838684	17.806 ug/ml
11) T n-Heneicosane (C21)	13.528	2782908	17.763 ug/ml
13) T n-Docosane (C22)	14.117	2754988	17.604 ug/ml
14) T n-Tetracosane (C24)	15.223	2733279	17.380 ug/ml
15) T n-Hexacosane (C26)	16.247	2686195	17.343 ug/ml
16) T n-Octacosane (C28)	17.199	2637645	17.244 ug/ml
17) T n-Tricontane (C30)	18.089	2672404	17.120 ug/ml
18) T n-Dotriacontane (C32)	18.922	2584253	16.888 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2305758	16.208 ug/ml
20) T n-Hexatriacontane (C36)	20.450	2075804	16.655 ug/ml
21) T n-Octatriacontane (C38)	21.191	2095901	19.175 ug/mlm
22) T n-Tetracontane (C40)	22.112	2184553	21.718 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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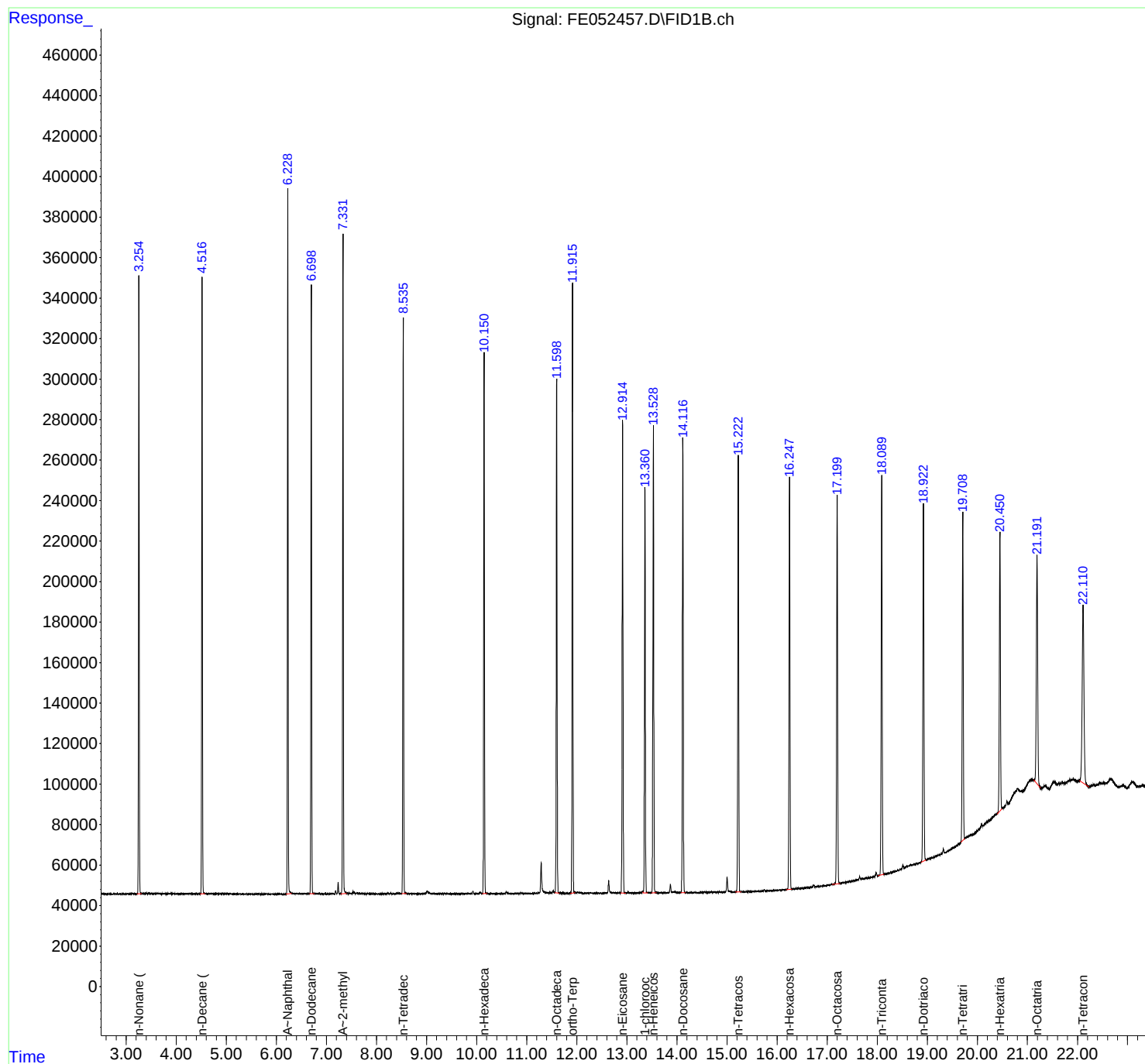
Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

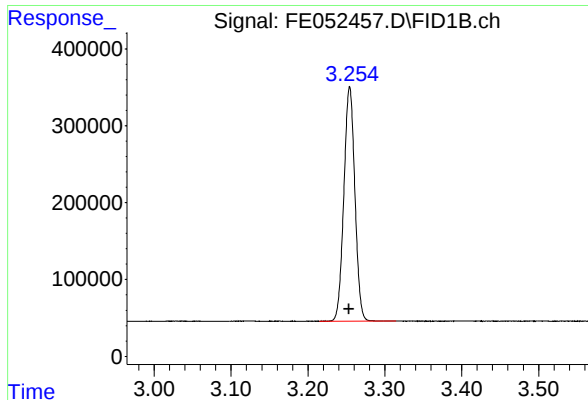
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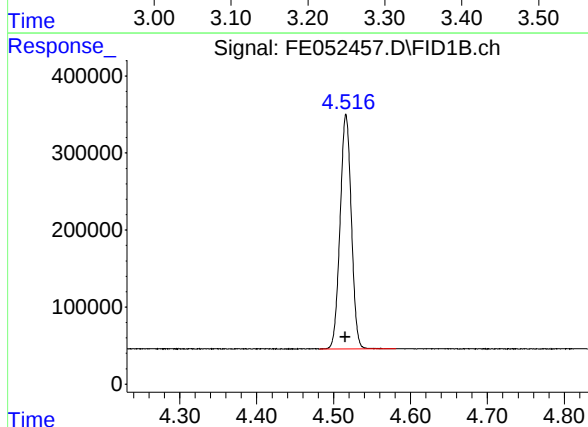
#1 n-Nonane (C9)

R.T.: 3.254 min
Delta R.T.: 0.001 min
Response: 3023869
Conc: 19.70 ug/ml

Instrument : FID_E
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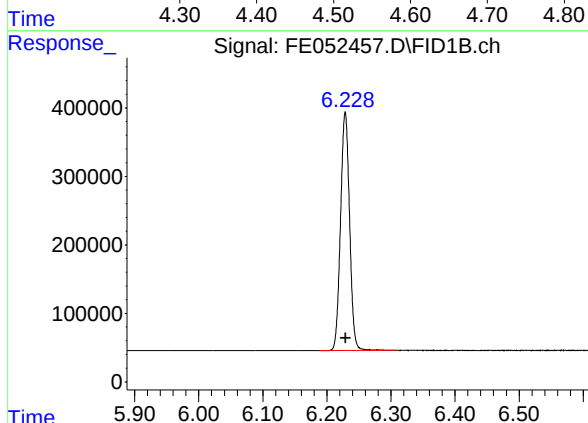
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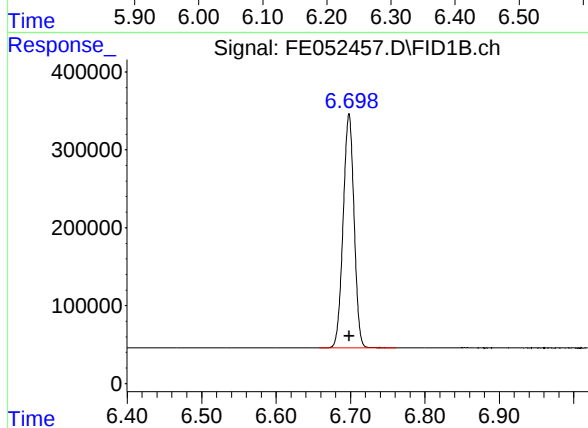
#2 n-Decane (C10)

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 3081199
Conc: 19.73 ug/ml



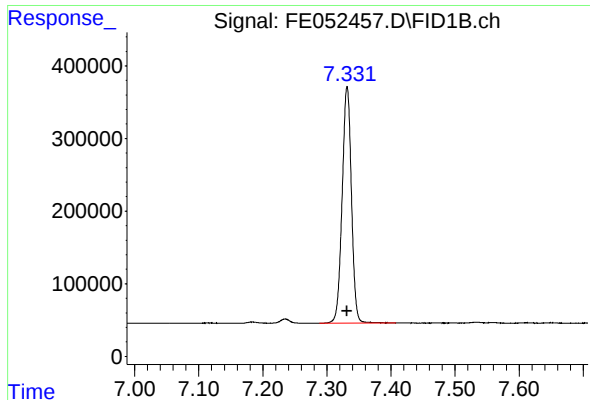
#3 A~Naphthalene (C11.7)

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 3390452
Conc: 19.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.698 min
Delta R.T.: 0.000 min
Response: 3061022
Conc: 19.39 ug/ml



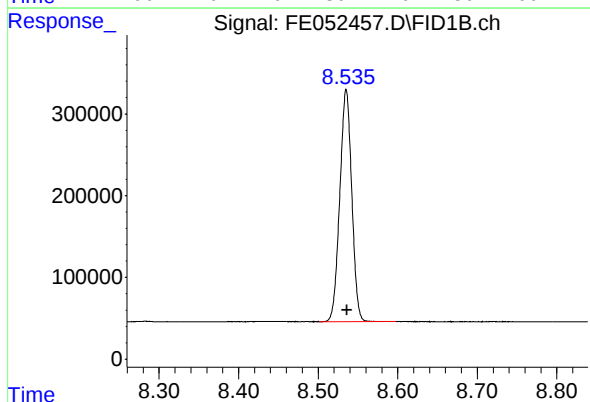
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.332 min
Delta R.T.: 0.000 min
Response: 3258021
Conc: 19.40 ug/ml

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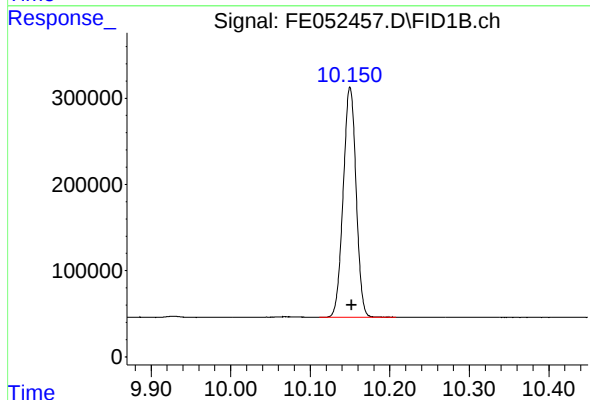
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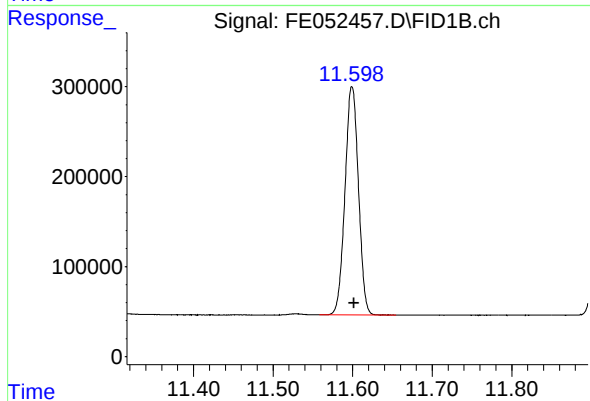
#6 n-Tetradecane (C14)

R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 2964356
Conc: 18.82 ug/ml



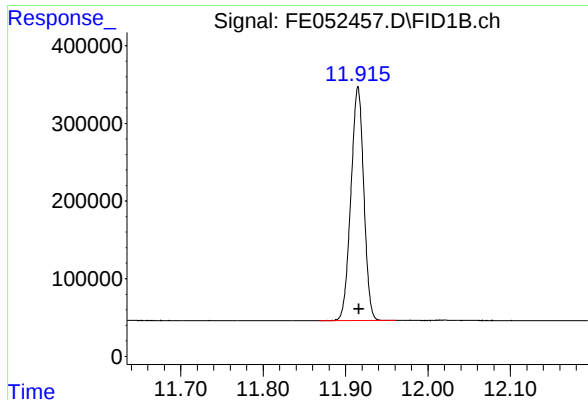
#7 n-Hexadecane (C16)

R.T.: 10.150 min
Delta R.T.: -0.002 min
Response: 3008218
Conc: 18.41 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.599 min
Delta R.T.: -0.003 min
Response: 2986716
Conc: 18.05 ug/ml



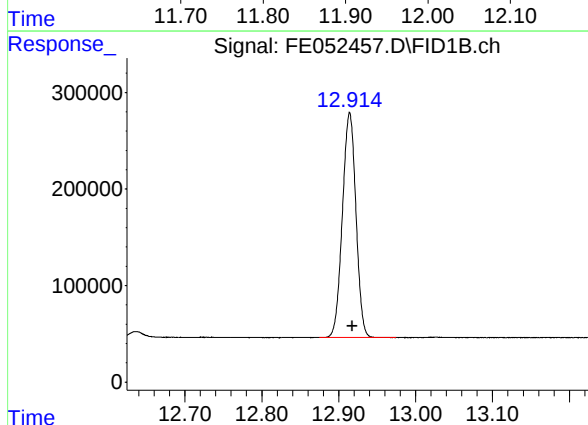
#9 ortho-Terphenyl (SURR)

R.T.: 11.915 min
Delta R.T.: -0.002 min
Response: 3265079
Conc: 17.47 ug/ml

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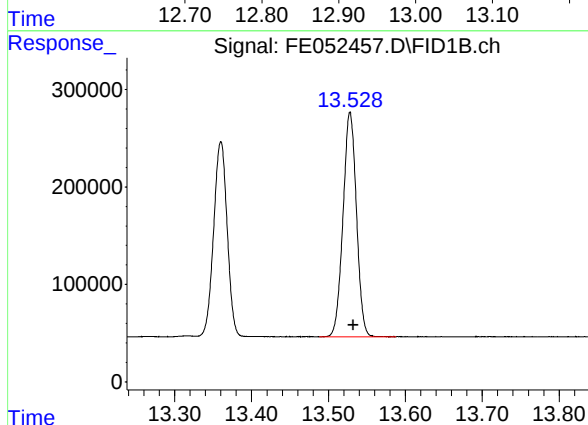
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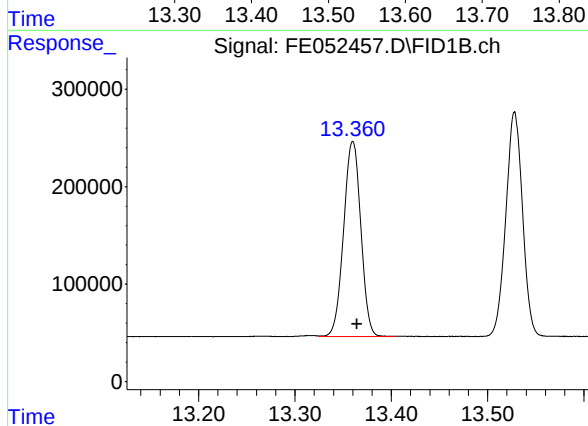
#10 n-Eicosane (C20)

R.T.: 12.914 min
Delta R.T.: -0.004 min
Response: 2838684
Conc: 17.81 ug/ml



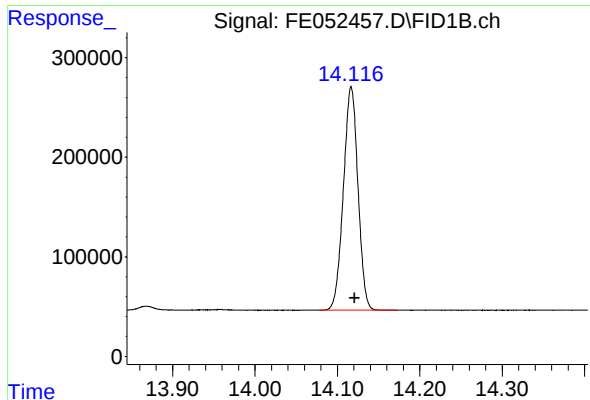
#11 n-Heneicosane (C21)

R.T.: 13.528 min
Delta R.T.: -0.004 min
Response: 2782908
Conc: 17.76 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.360 min
Delta R.T.: -0.004 min
Response: 2454784
Conc: 17.66 ug/ml m



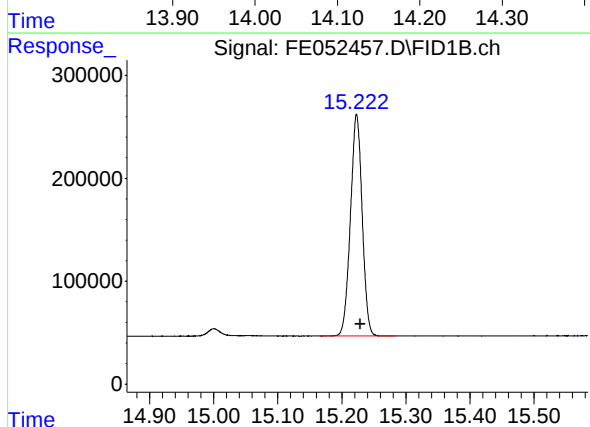
#13 n-Docosane (C22)

R.T.: 14.117 min
Delta R.T.: -0.004 min
Response: 2754988
Conc: 17.60 ug/ml

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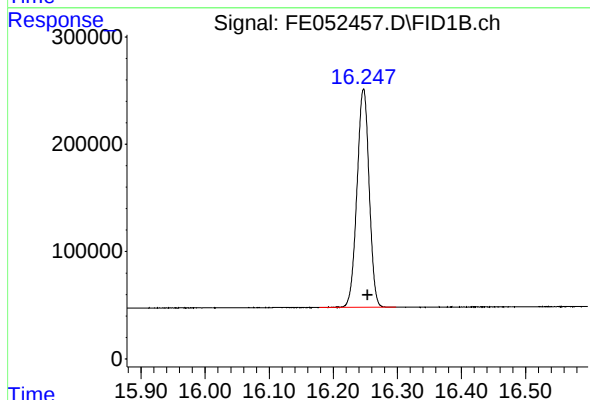
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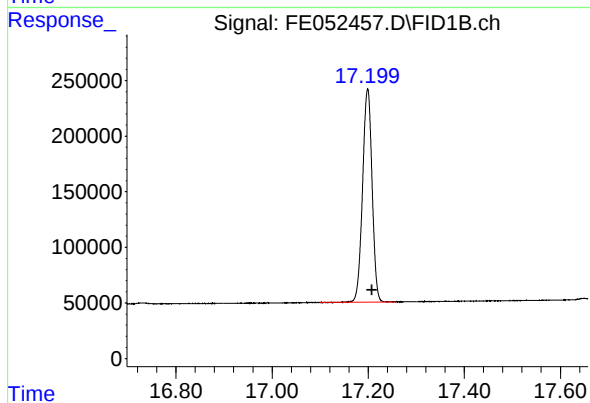
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: -0.006 min
Response: 2733279
Conc: 17.38 ug/ml



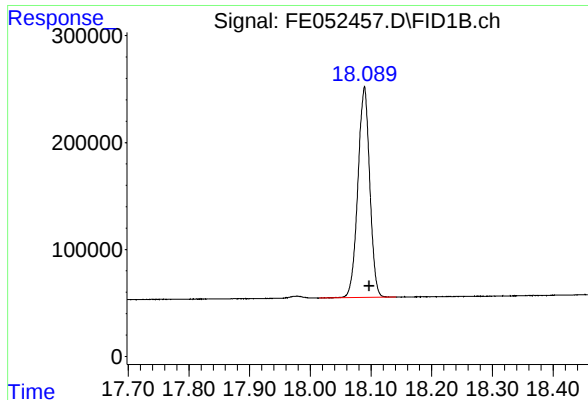
#15 n-Hexacosane (C26)

R.T.: 16.247 min
Delta R.T.: -0.007 min
Response: 2686195
Conc: 17.34 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.199 min
Delta R.T.: -0.009 min
Response: 2637645
Conc: 17.24 ug/ml



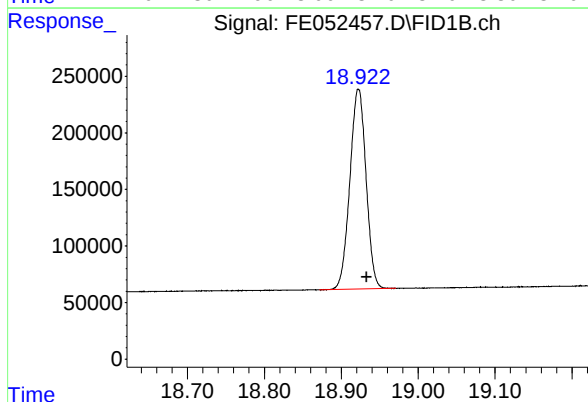
#17 n-Tricontane (C30)

R.T.: 18.089 min
Delta R.T.: -0.008 min
Response: 2672404
Conc: 17.12 ug/ml

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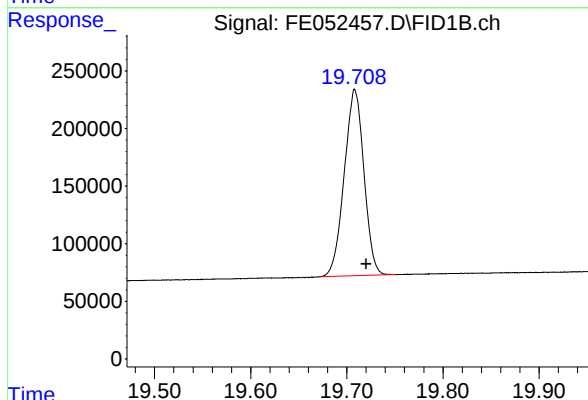
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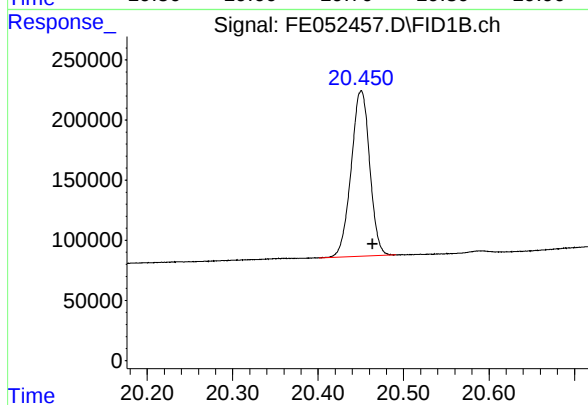
#18 n-Dotriacontane (C32)

R.T.: 18.922 min
Delta R.T.: -0.011 min
Response: 2584253
Conc: 16.89 ug/ml



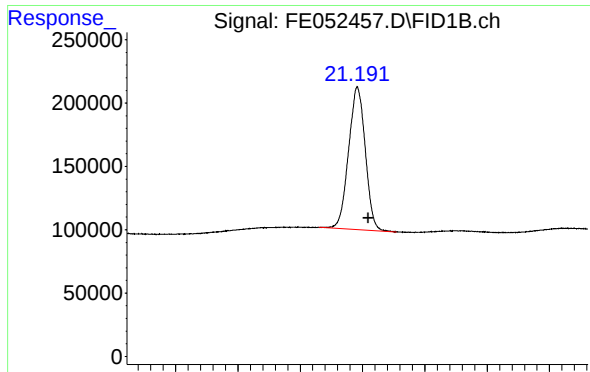
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.012 min
Response: 2305758
Conc: 16.21 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.450 min
Delta R.T.: -0.013 min
Response: 2075804
Conc: 16.65 ug/ml



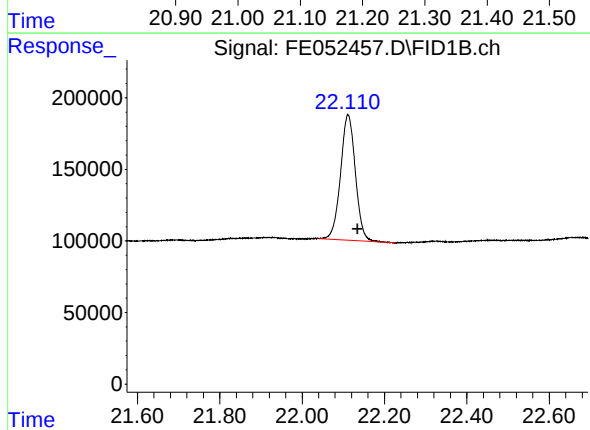
#21 n-Octatriacontane (C38)

R.T.: 21.191 min
Delta R.T.: -0.018 min
Response: 2095901
Conc: 19.18 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.112 min
Delta R.T.: -0.024 min
Response: 2184553
Conc: 21.72 ug/ml