

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE062025AL\
 Data File : FE054516.D
 Signal(s) : FID1B.ch
 Acq On : 20 Jun 2025 11:54
 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 06/23/2025
 Supervised By :mohammad ahmed 06/24/2025

Integration File: autoint1.e
 Quant Time: Jun 20 23:23:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.822	2776162	16.801 ug/ml
Spiked Amount 50.000		Recovery =	33.60%
12) S 1-chlorooctadecane (S...	13.267	2082303	17.075 ug/ml
Spiked Amount 50.000		Recovery =	34.15%
Target Compounds			
1) T n-Nonane (C9)	3.170	2120518	17.076 ug/mlm
2) T n-Decane (C10)	4.434	2082765	16.762 ug/ml
3) T A~Naphthalene (C11.7)	6.150	2262690	16.743 ug/ml
4) T n-Dodecane (C12)	6.615	2144178	16.839 ug/ml
5) T A~2-methylnaphthalene...	7.252	2192247	16.551 ug/ml
6) T n-Tetradecane (C14)	8.450	2181192	16.848 ug/ml
7) T n-Hexadecane (C16)	10.063	2232261	16.804 ug/ml
8) T n-Octadecane (C18)	11.508	2279590	16.882 ug/ml
10) T n-Eicosane (C20)	12.821	2259154	16.887 ug/ml
11) T n-Heneicosane (C21)	13.435	2247328	16.901 ug/ml
13) T n-Docosane (C22)	14.022	2237752	17.066 ug/ml
14) T n-Tetracosane (C24)	15.127	2227747	17.270 ug/ml
15) T n-Hexacosane (C26)	16.150	2189375	17.441 ug/ml
16) T n-Octacosane (C28)	17.101	2232077	18.202 ug/ml
17) T n-Tricontane (C30)	17.991	2438867	19.677 ug/ml
18) T n-Dotriacontane (C32)	18.825	2556268	20.345 ug/ml
19) T n-Tetratriacontane (C34)	19.610	2419155	19.446 ug/ml
20) T n-Hexatriacontane (C36)	20.350	2472593	19.207 ug/mlm
21) T n-Octatriacontane (C38)	21.076	2422757	18.348 ug/mlm
22) T n-Tetracontane (C40)	21.963	2409548	17.887 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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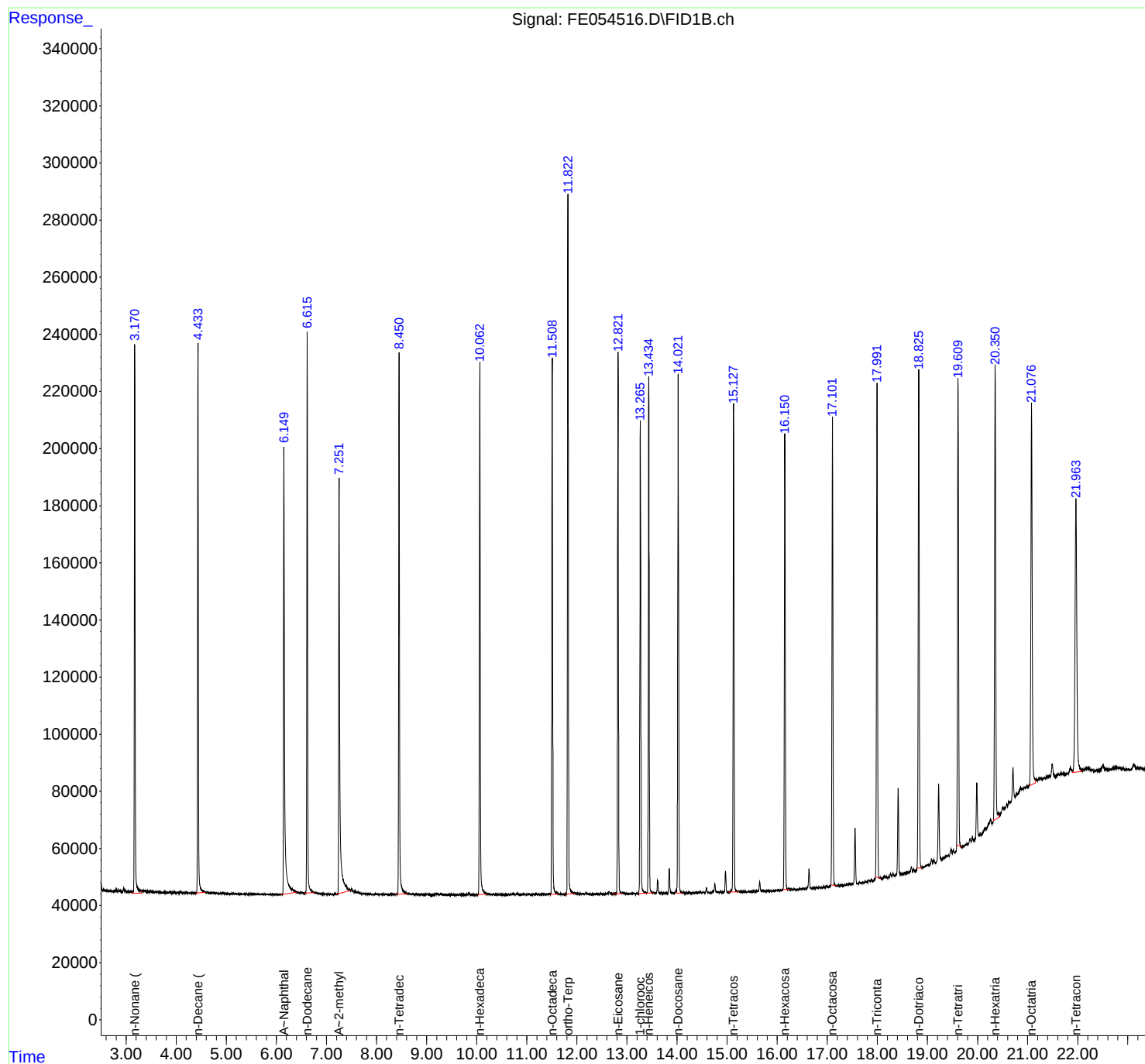
Instrument :
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20 PPM ALIPHATIC HC STD

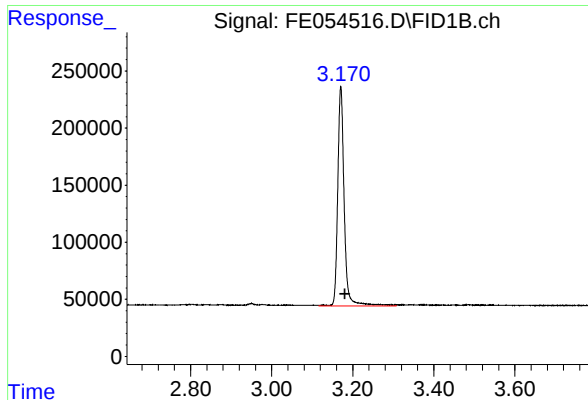
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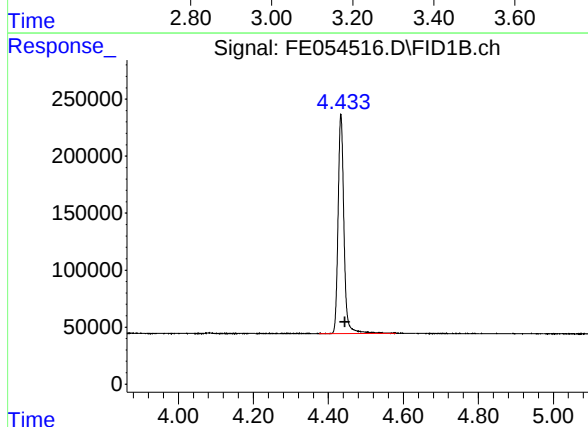
#1 n-Nonane (C9)

R.T.: 3.170 min
Delta R.T.: -0.011 min
Response: 2120518
Conc: 17.08 ug/ml

Instrument :
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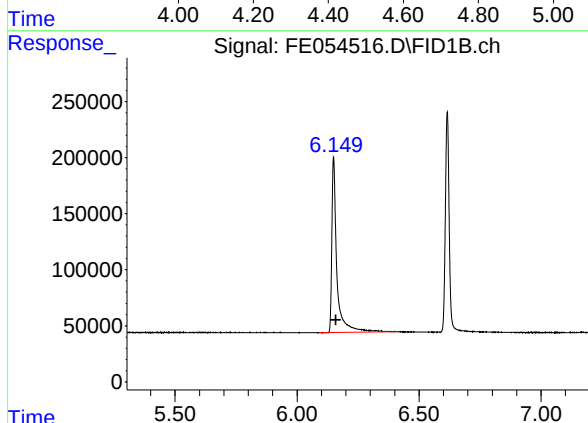
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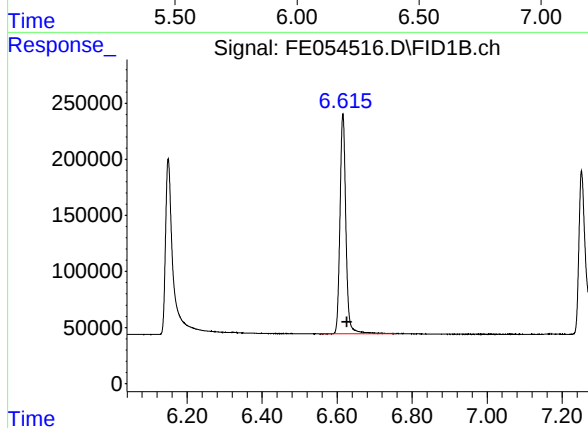
#2 n-Decane (C10)

R.T.: 4.434 min
Delta R.T.: -0.011 min
Response: 2082765
Conc: 16.76 ug/ml



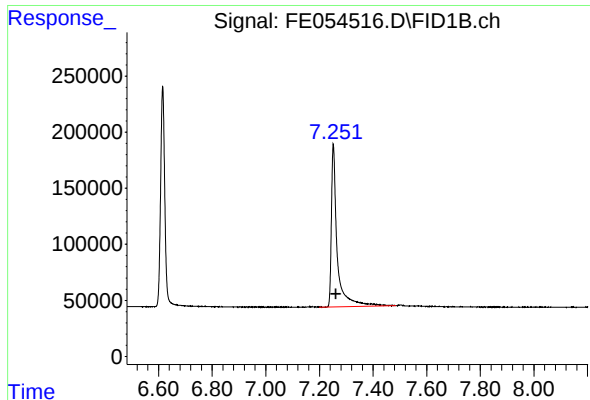
#3 A~Naphthalene (C11.7)

R.T.: 6.150 min
Delta R.T.: -0.010 min
Response: 2262690
Conc: 16.74 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.615 min
Delta R.T.: -0.011 min
Response: 2144178
Conc: 16.84 ug/ml



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

R.T.: 7.252 min
Delta R.T.: -0.010 min
Response: 2192247
Conc: 16.55 ug/ml

Instrument :

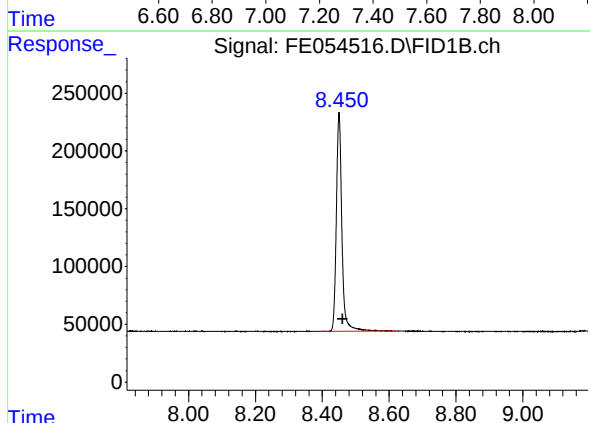
FID_E

ClientSampleId :

20 PPM ALIPHATIC HC STD

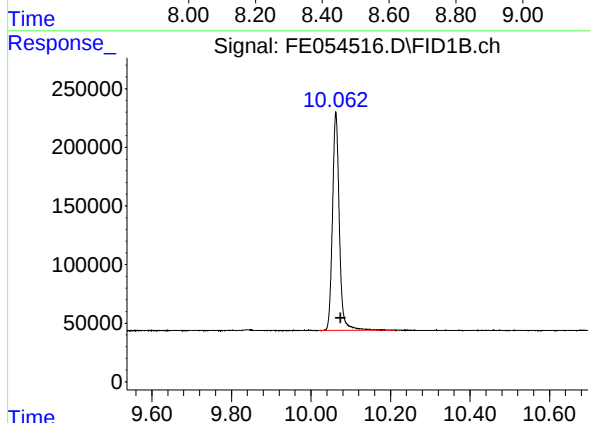
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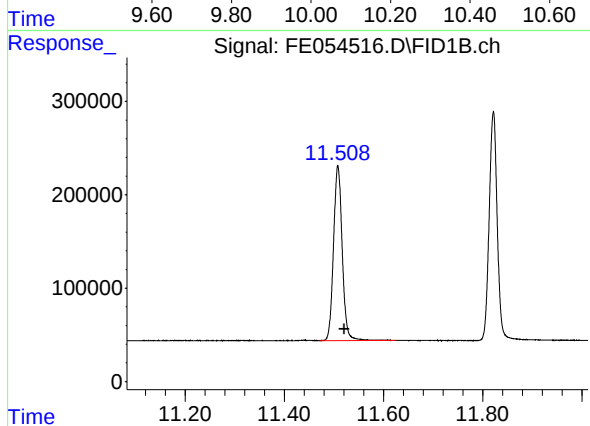
#6 n-Tetradecane (C14)

R.T.: 8.450 min
Delta R.T.: -0.011 min
Response: 2181192
Conc: 16.85 ug/ml



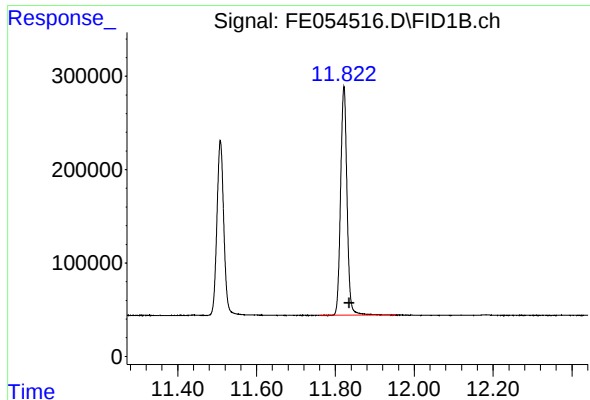
#7 n-Hexadecane (C16)

R.T.: 10.063 min
Delta R.T.: -0.012 min
Response: 2232261
Conc: 16.80 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.508 min
Delta R.T.: -0.013 min
Response: 2279590
Conc: 16.88 ug/ml



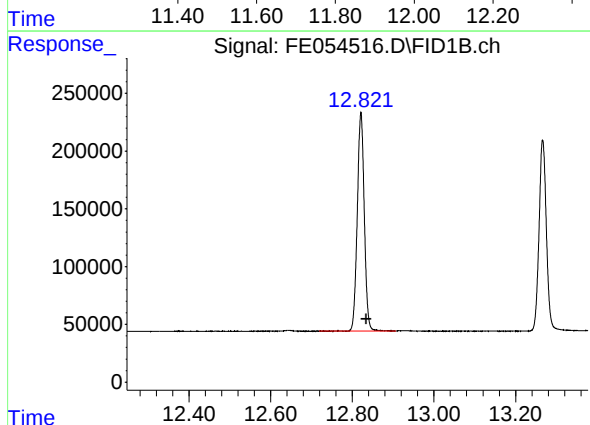
#9 ortho-Terphenyl (SURR)

R.T.: 11.822 min
Delta R.T.: -0.013 min
Response: 2776162
Conc: 16.80 ug/ml

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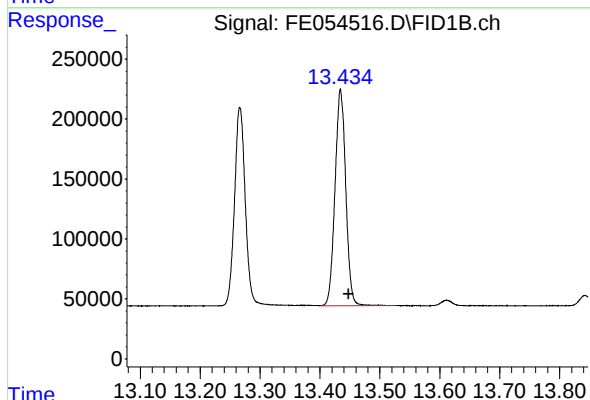
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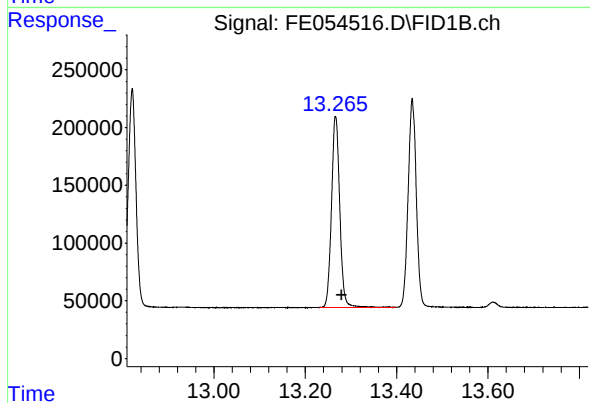
#10 n-Eicosane (C20)

R.T.: 12.821 min
Delta R.T.: -0.014 min
Response: 2259154
Conc: 16.89 ug/ml



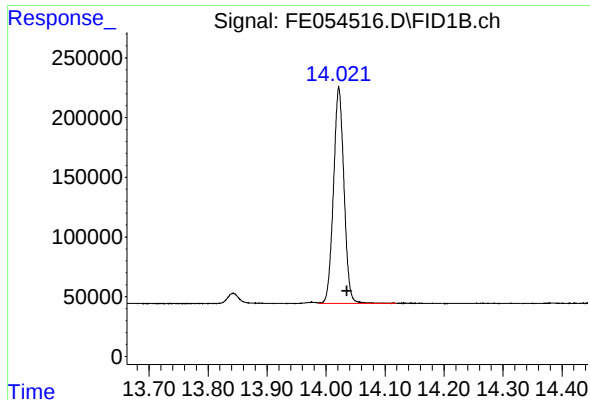
#11 n-Heneicosane (C21)

R.T.: 13.435 min
Delta R.T.: -0.013 min
Response: 2247328
Conc: 16.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.267 min
Delta R.T.: -0.013 min
Response: 2082303
Conc: 17.08 ug/ml



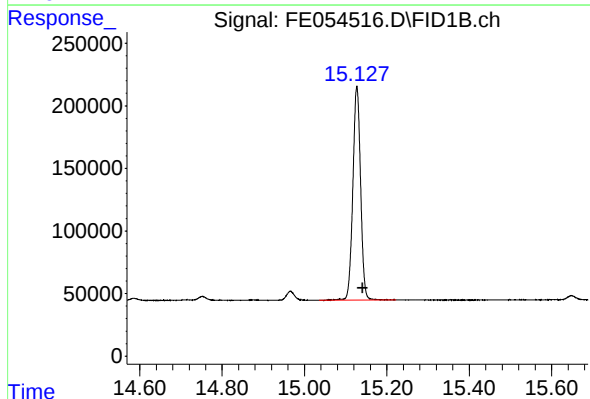
#13 n-Docosane (C22)

R.T.: 14.022 min
Delta R.T.: -0.014 min
Response: 2237752
Conc: 17.07 ug/ml

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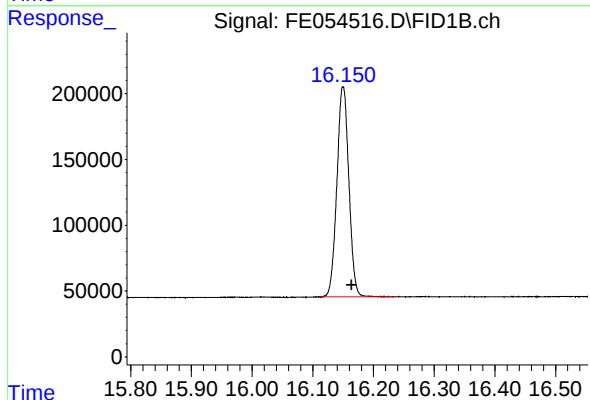
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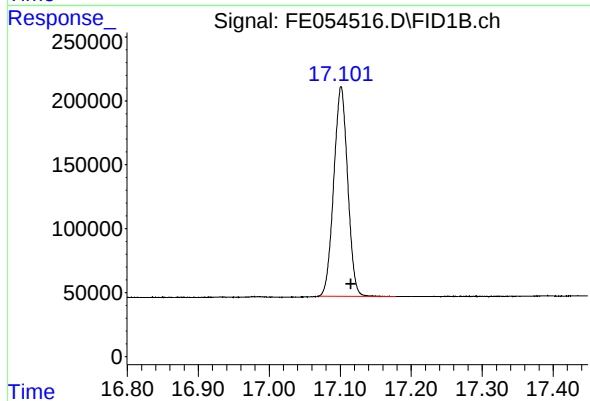
#14 n-Tetracosane (C24)

R.T.: 15.127 min
Delta R.T.: -0.014 min
Response: 2227747
Conc: 17.27 ug/ml



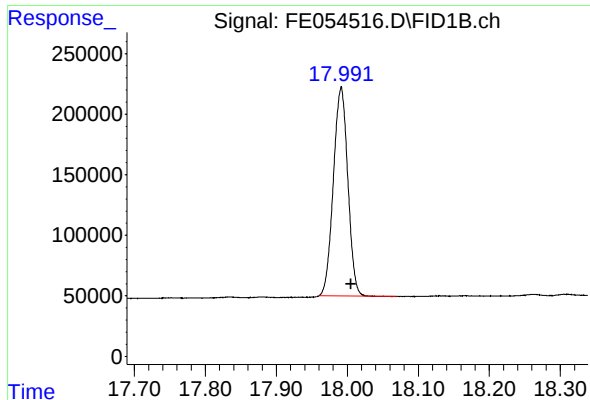
#15 n-Hexacosane (C26)

R.T.: 16.150 min
Delta R.T.: -0.014 min
Response: 2189375
Conc: 17.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.101 min
Delta R.T.: -0.014 min
Response: 2232077
Conc: 18.20 ug/ml



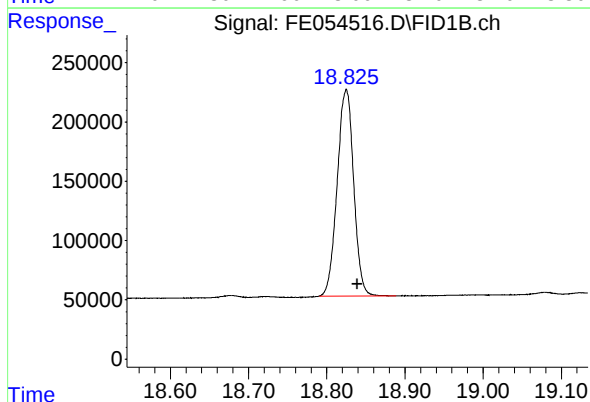
#17 n-Tricontane (C30)

R.T.: 17.991 min
Delta R.T.: -0.014 min
Response: 2438867
Conc: 19.68 ug/ml

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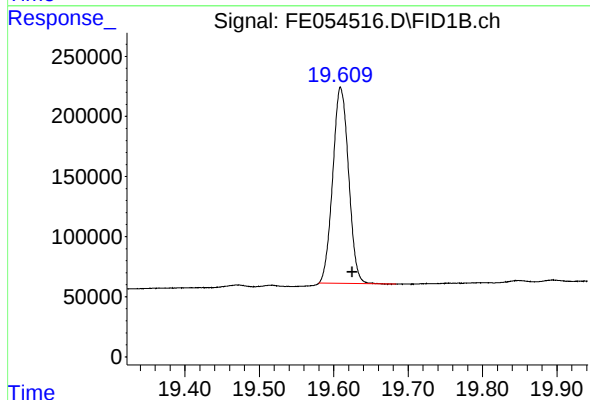
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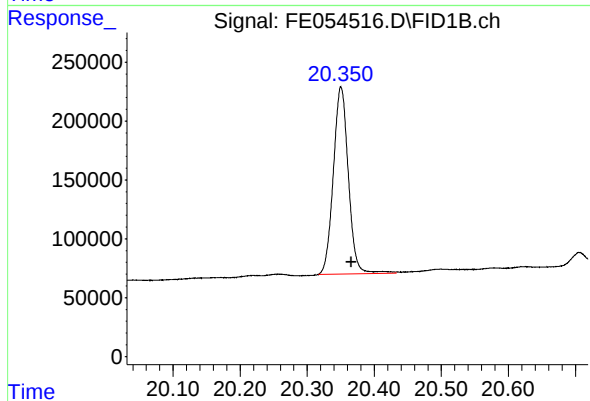
#18 n-Dotriacontane (C32)

R.T.: 18.825 min
Delta R.T.: -0.014 min
Response: 2556268
Conc: 20.35 ug/ml



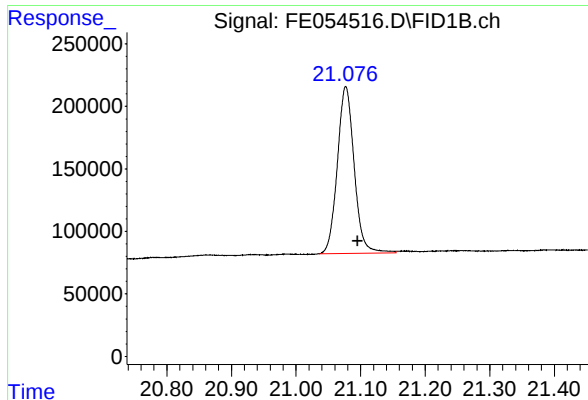
#19 n-Tetatriacontane (C34)

R.T.: 19.610 min
Delta R.T.: -0.016 min
Response: 2419155
Conc: 19.45 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: -0.016 min
Response: 2472593
Conc: 19.21 ug/ml m



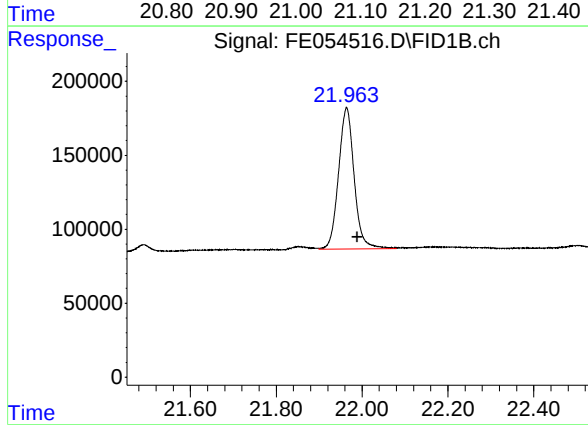
#21 n-Octatriacontane (C38)

R.T.: 21.076 min
Delta R.T.: -0.019 min
Response: 2422757
Conc: 18.35 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.025 min
Response: 2409548
Conc: 17.89 ug/ml m