

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE042825AL\
 Data File : FE053562.D
 Signal(s) : FID1B.ch
 Acq On : 29 Apr 2025 01:11
 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 04/29/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File: autoint1.e
 Quant Time: Apr 29 03:23:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 15:58:53 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)	11.869	3496811	19.388 ug/ml
Spiked Amount 50.000		Recovery =	38.78%
12) S 1-chlorooctadecane (S...	13.314	2579051	19.079 ug/ml
Spiked Amount 50.000		Recovery =	38.16%
Target Compounds			
1) T n-Nonane (C9)	3.216	2712611	19.785 ug/ml
2) T n-Decane (C10)	4.477	2797145	20.220 ug/ml
3) T A~Naphthalene (C11.7)	6.190	3066294	20.314 ug/ml
4) T n-Dodecane (C12)	6.658	2831461	20.189 ug/ml
5) T A~2-methylnaphthalene...	7.291	3049540	20.425 ug/ml
6) T n-Tetradecane (C14)	8.493	2836872	20.222 ug/ml
7) T n-Hexadecane (C16)	10.107	2864094	19.984 ug/ml
8) T n-Octadecane (C18)	11.554	2875535	19.731 ug/mlm
10) T n-Eicosane (C20)	12.868	2826021	19.421 ug/ml
11) T n-Heneicosane (C21)	13.481	2790040	19.262 ug/ml
13) T n-Docosane (C22)	14.069	2770579	19.200 ug/ml
14) T n-Tetracosane (C24)	15.175	2746399	19.120 ug/ml
15) T n-Hexacosane (C26)	16.197	2705303	19.101 ug/ml
16) T n-Octacosane (C28)	17.150	2734445	19.654 ug/ml
17) T n-Tricontane (C30)	18.039	2898998	20.827 ug/ml
18) T n-Dotriacontane (C32)	18.873	2972212	21.646 ug/ml
19) T n-Tetratriacontane (C34)	19.658	2789562	21.410 ug/ml
20) T n-Hexatriacontane (C36)	20.400	2716638	21.519 ug/ml
21) T n-Octatriacontane (C38)	21.134	2573125	21.120 ug/ml
22) T n-Tetracontane (C40)	22.038	2507896	21.000 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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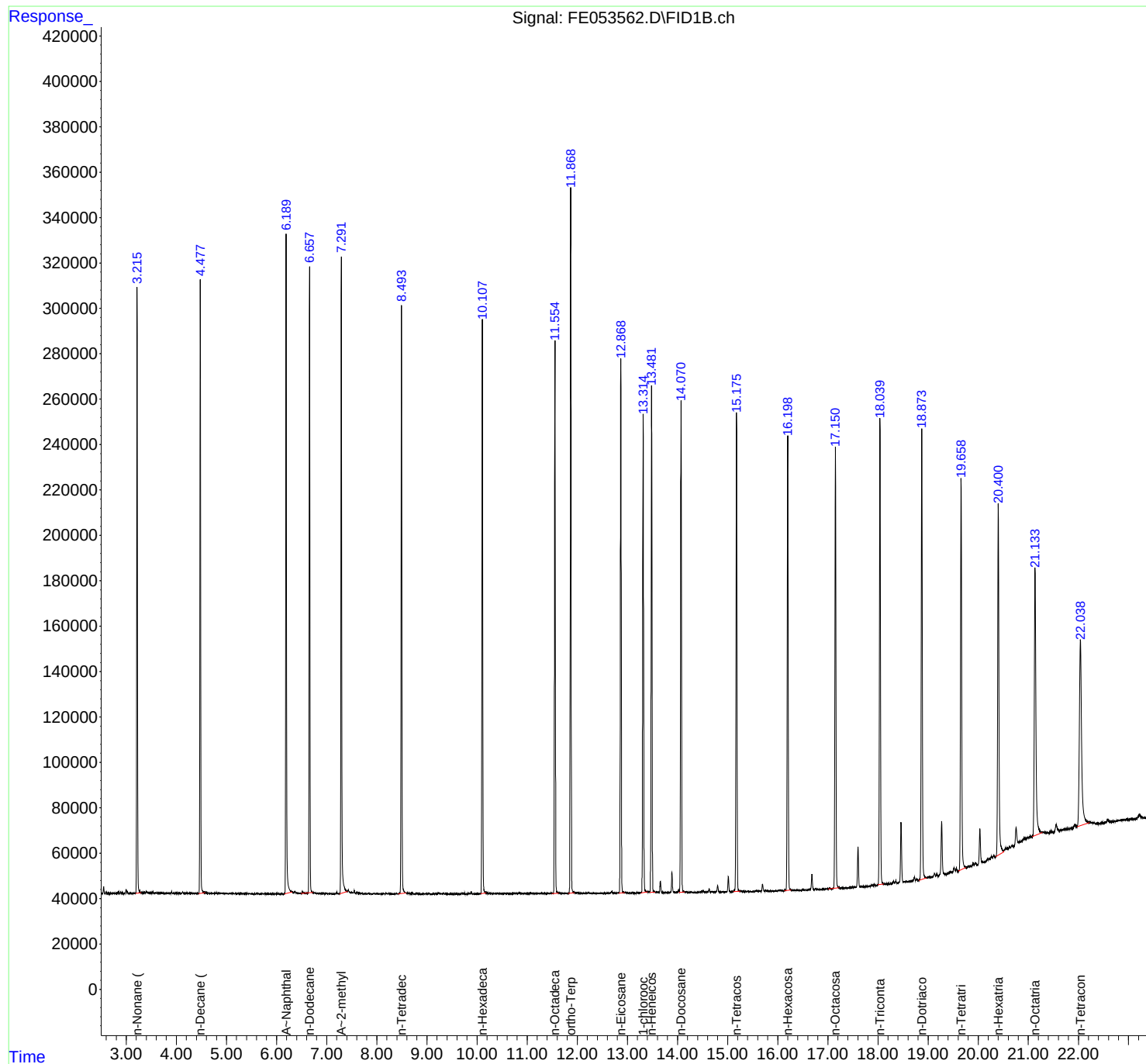
Instrument :
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20 PPM ALIPHATIC HC STD

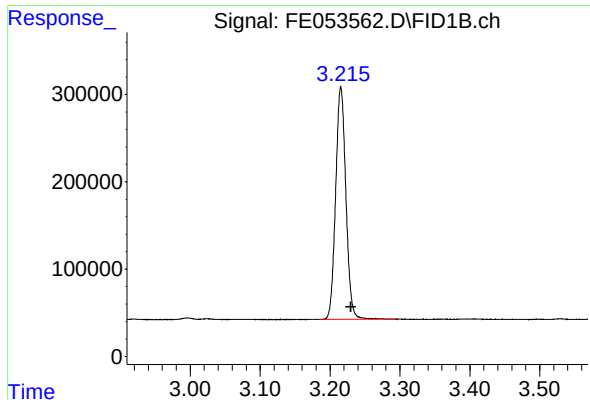
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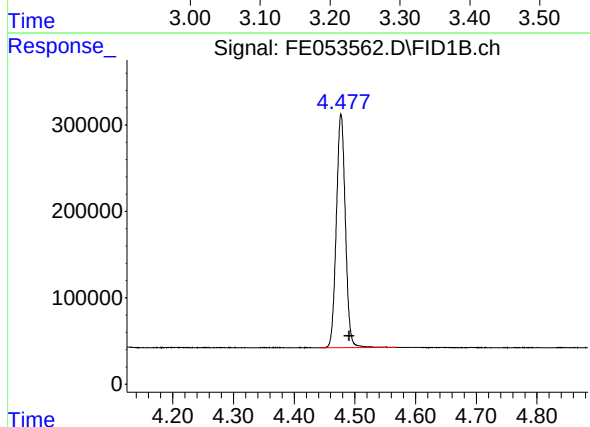
#1 n-Nonane (C9)

R.T.: 3.216 min
Delta R.T.: -0.014 min
Response: 2712611
Conc: 19.79 ug/ml

Instrument :
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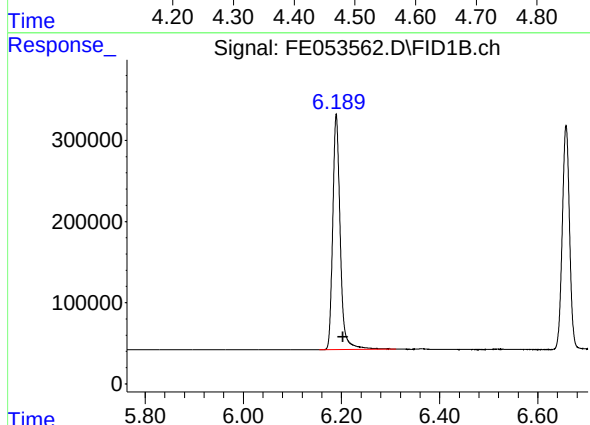
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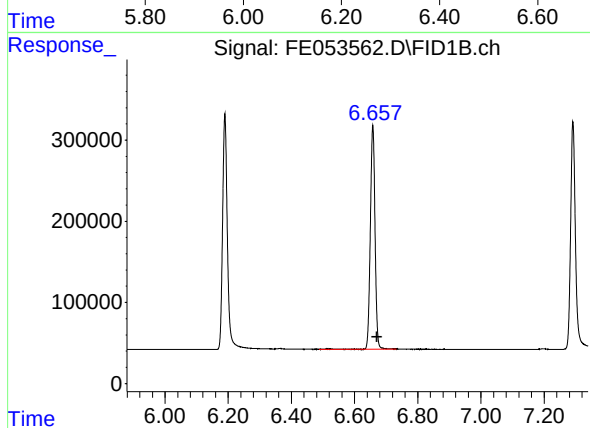
#2 n-Decane (C10)

R.T.: 4.477 min
Delta R.T.: -0.013 min
Response: 2797145
Conc: 20.22 ug/ml



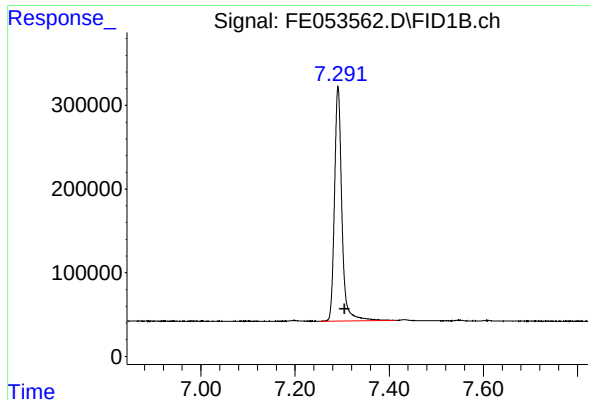
#3 A~Naphthalene (C11.7)

R.T.: 6.190 min
Delta R.T.: -0.014 min
Response: 3066294
Conc: 20.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min
Delta R.T.: -0.013 min
Response: 2831461
Conc: 20.19 ug/ml



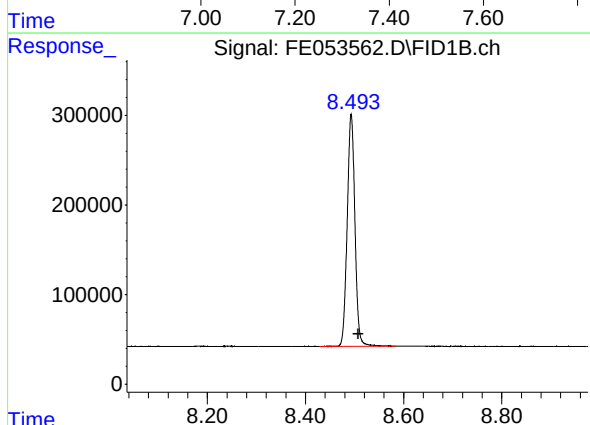
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.291 min
Delta R.T.: -0.014 min
Response: 3049540
Conc: 20.43 ug/ml

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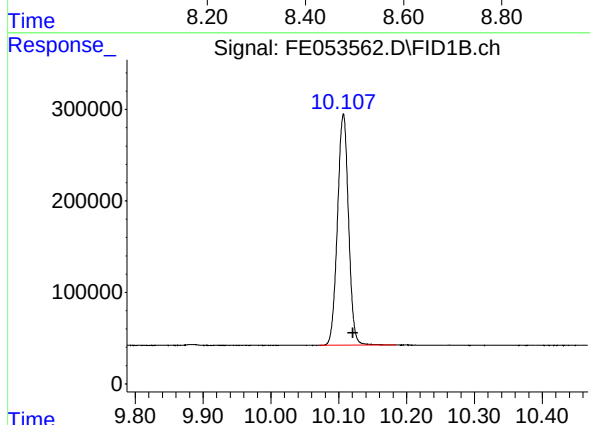
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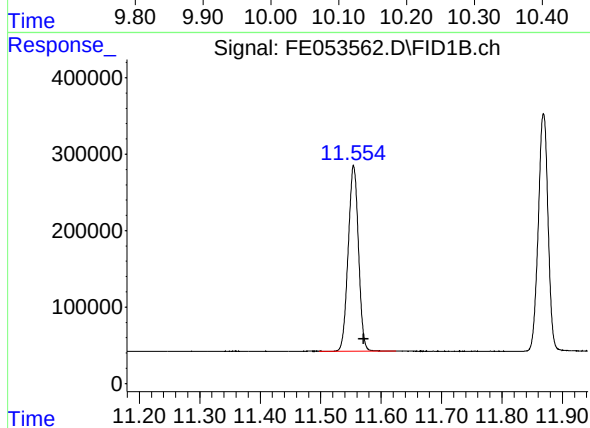
#6 n-Tetradecane (C14)

R.T.: 8.493 min
Delta R.T.: -0.014 min
Response: 2836872
Conc: 20.22 ug/ml



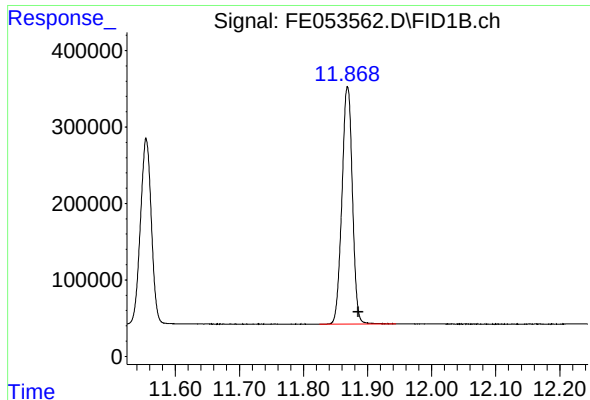
#7 n-Hexadecane (C16)

R.T.: 10.107 min
Delta R.T.: -0.014 min
Response: 2864094
Conc: 19.98 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.554 min
Delta R.T.: -0.017 min
Response: 2875535
Conc: 19.73 ug/ml m



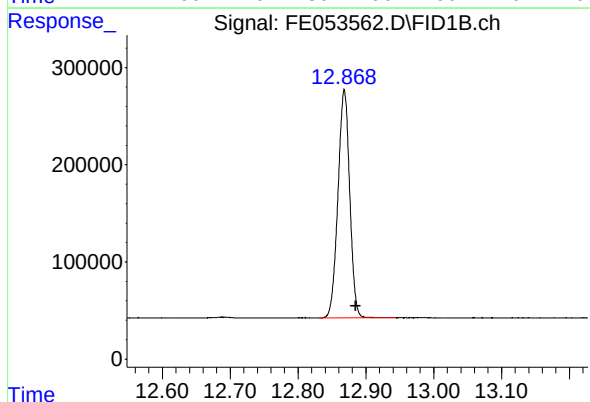
#9 ortho-Terphenyl (SURR)

R.T.: 11.869 min
Delta R.T.: -0.017 min
Response: 3496811
Conc: 19.39 ug/ml

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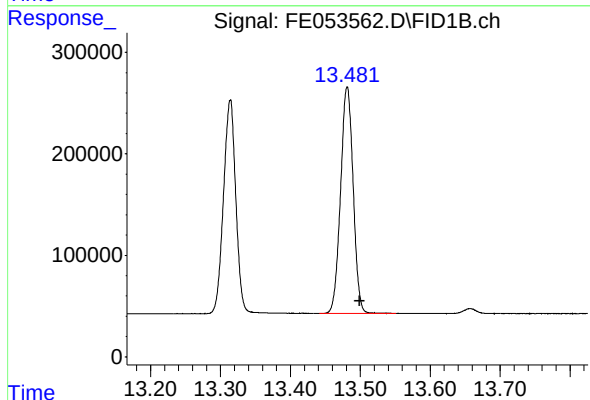
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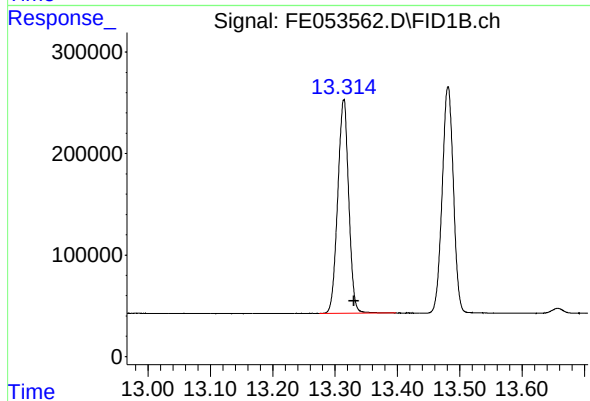
#10 n-Eicosane (C20)

R.T.: 12.868 min
Delta R.T.: -0.017 min
Response: 2826021
Conc: 19.42 ug/ml



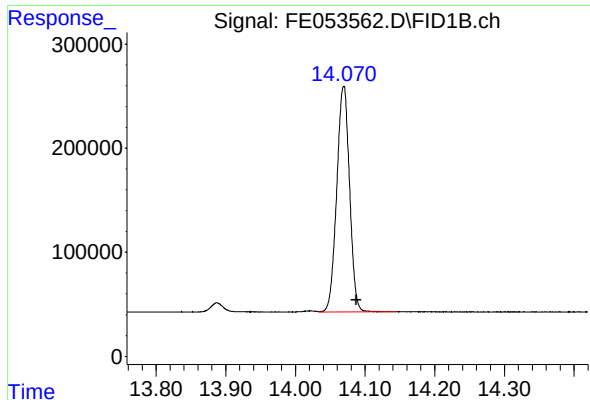
#11 n-Heneicosane (C21)

R.T.: 13.481 min
Delta R.T.: -0.018 min
Response: 2790040
Conc: 19.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.017 min
Response: 2579051
Conc: 19.08 ug/ml



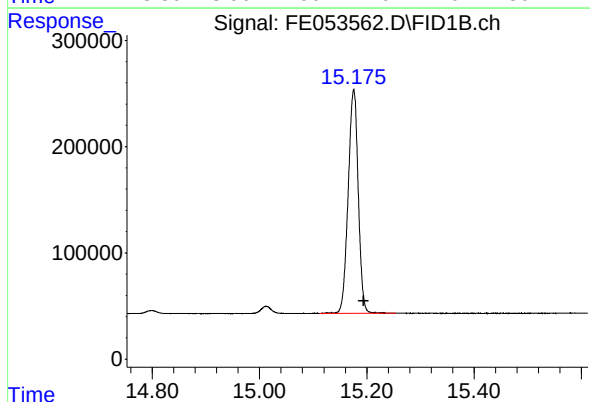
#13 n-Docosane (C22)

R.T.: 14.069 min
Delta R.T.: -0.018 min
Response: 2770579
Conc: 19.20 ug/ml

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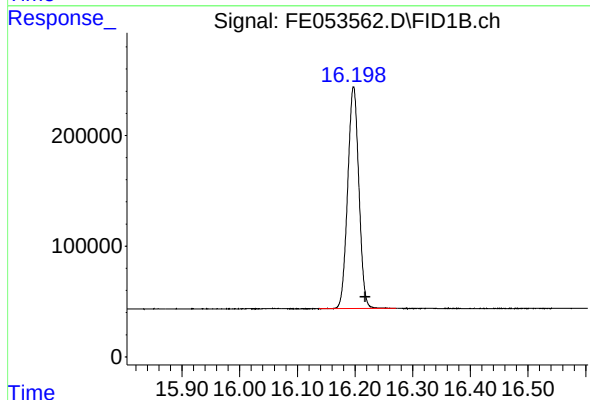
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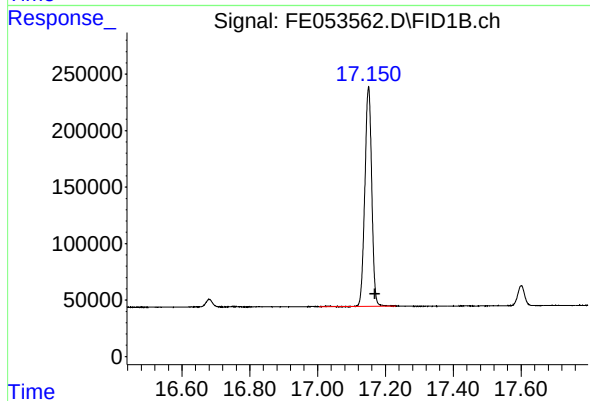
#14 n-Tetracosane (C24)

R.T.: 15.175 min
Delta R.T.: -0.018 min
Response: 2746399
Conc: 19.12 ug/ml



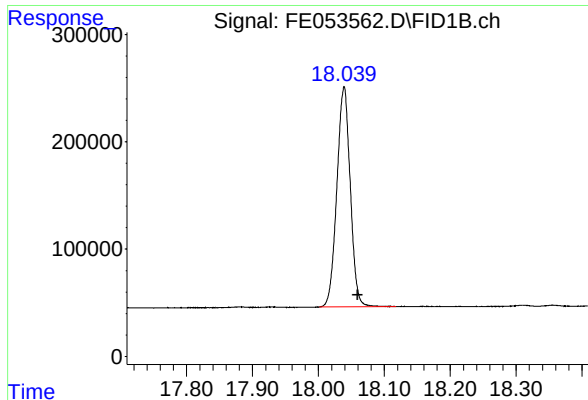
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.020 min
Response: 2705303
Conc: 19.10 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.150 min
Delta R.T.: -0.020 min
Response: 2734445
Conc: 19.65 ug/ml



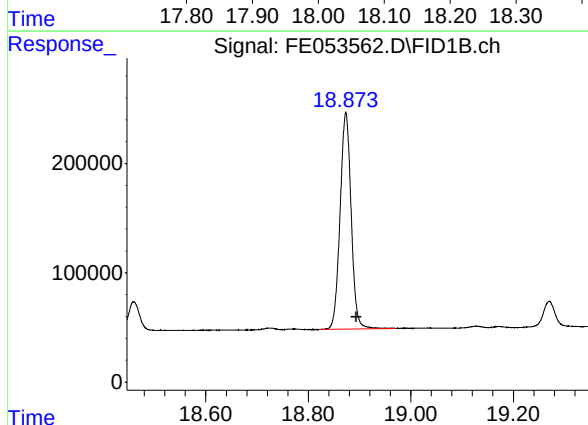
#17 n-Tricontane (C30)

R.T.: 18.039 min
Delta R.T.: -0.021 min
Response: 2898998
Conc: 20.83 ug/ml

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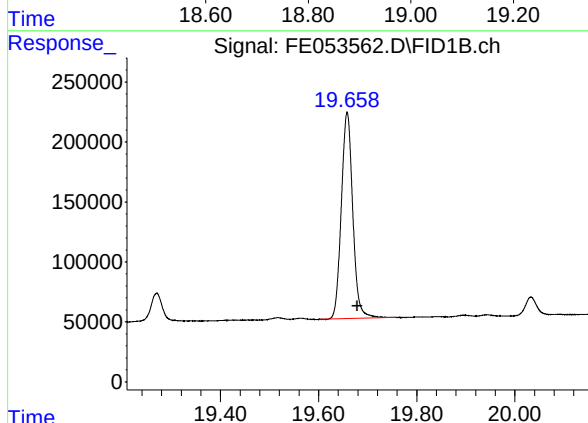
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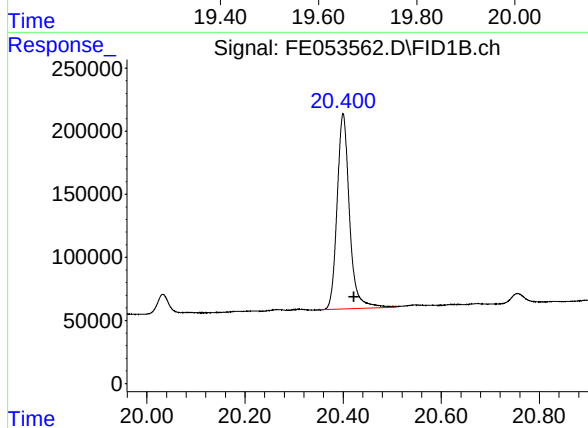
#18 n-Dotriacontane (C32)

R.T.: 18.873 min
Delta R.T.: -0.020 min
Response: 2972212
Conc: 21.65 ug/ml



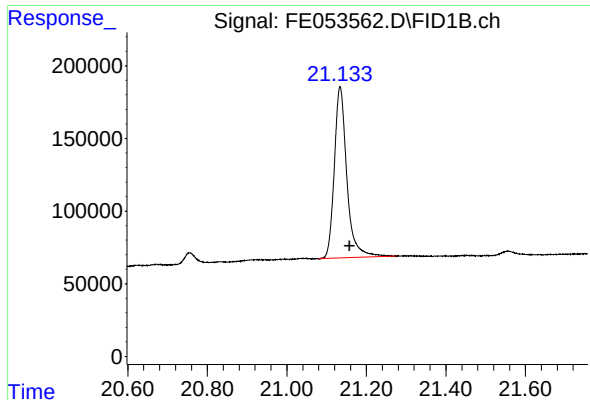
#19 n-Tetratriacontane (C34)

R.T.: 19.658 min
Delta R.T.: -0.021 min
Response: 2789562
Conc: 21.41 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.400 min
Delta R.T.: -0.022 min
Response: 2716638
Conc: 21.52 ug/ml



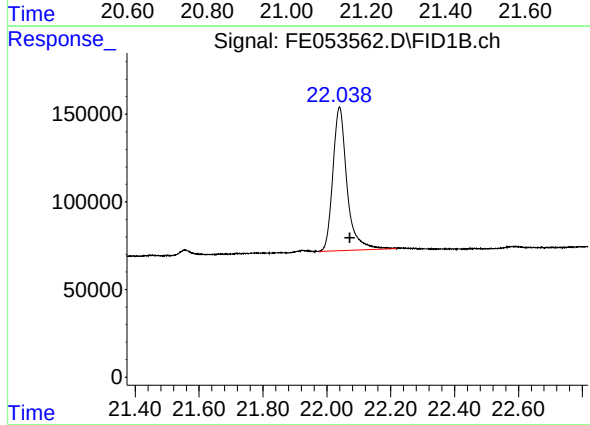
#21 n-Octatriacontane (C38)

R.T.: 21.134 min
Delta R.T.: -0.024 min
Response: 2573125
Conc: 21.12 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.038 min
Delta R.T.: -0.035 min
Response: 2507896
Conc: 21.00 ug/ml m