

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE081224AL\
 Data File : FE049560.D
 Signal(s) : FID1B.ch
 Acq On : 12 Aug 2024 13:59
 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 08/14/2024
 Supervised By :Ankita Jodhani 08/14/2024

Integration File: autoint1.e
 Quant Time: Aug 13 01:42:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 071724.M
 Quant Title : GC Extractables
 QLast Update : Wed Jul 17 14:26:40 2024
 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)	11.888	2886874	18.613 ug/ml
Spiked Amount 50.000		Recovery =	37.23%
12) S 1-chlorooctadecane (S...	13.323	2191117	18.754 ug/ml
Spiked Amount 50.000		Recovery =	37.51%
Target Compounds			
1) T n-Nonane (C9)	3.278	2649581	17.618 ug/ml
2) T n-Decane (C10)	4.529	2778347	17.988 ug/ml
3) T A~Naphthalene (C11.7)	6.235	2836032	18.203 ug/ml
4) T n-Dodecane (C12)	6.695	2776095	18.029 ug/ml
5) T A~2-methylnaphthalene...	7.331	2654148	18.238 ug/ml
6) T n-Tetradecane (C14)	8.523	2737729	18.038 ug/ml
7) T n-Hexadecane (C16)	10.129	2795174	18.431 ug/ml
8) T n-Octadecane (C18)	11.570	2809779	18.506 ug/ml
10) T n-Eicosane (C20)	12.878	2678780	18.525 ug/ml
11) T n-Heneicosane (C21)	13.490	2631311	18.555 ug/ml
13) T n-Docosane (C22)	14.076	2617786	18.633 ug/ml
14) T n-Tetracosane (C24)	15.176	2644550	18.869 ug/ml
15) T n-Hexacosane (C26)	16.197	2622962	18.706 ug/ml
16) T n-Octacosane (C28)	17.145	2700234	19.292 ug/ml
17) T n-Tricontane (C30)	18.031	2924148	20.046 ug/ml
18) T n-Dotriacontane (C32)	18.864	3034692	20.639 ug/ml
19) T n-Tetratriacontane (C34)	19.646	3000714	20.543 ug/ml
20) T n-Hexatriacontane (C36)	20.385	2937936	20.380 ug/ml
21) T n-Octatriacontane (C38)	21.113	2840104	18.973 ug/ml
22) T n-Tetracontane (C40)	22.009	2701581	17.903 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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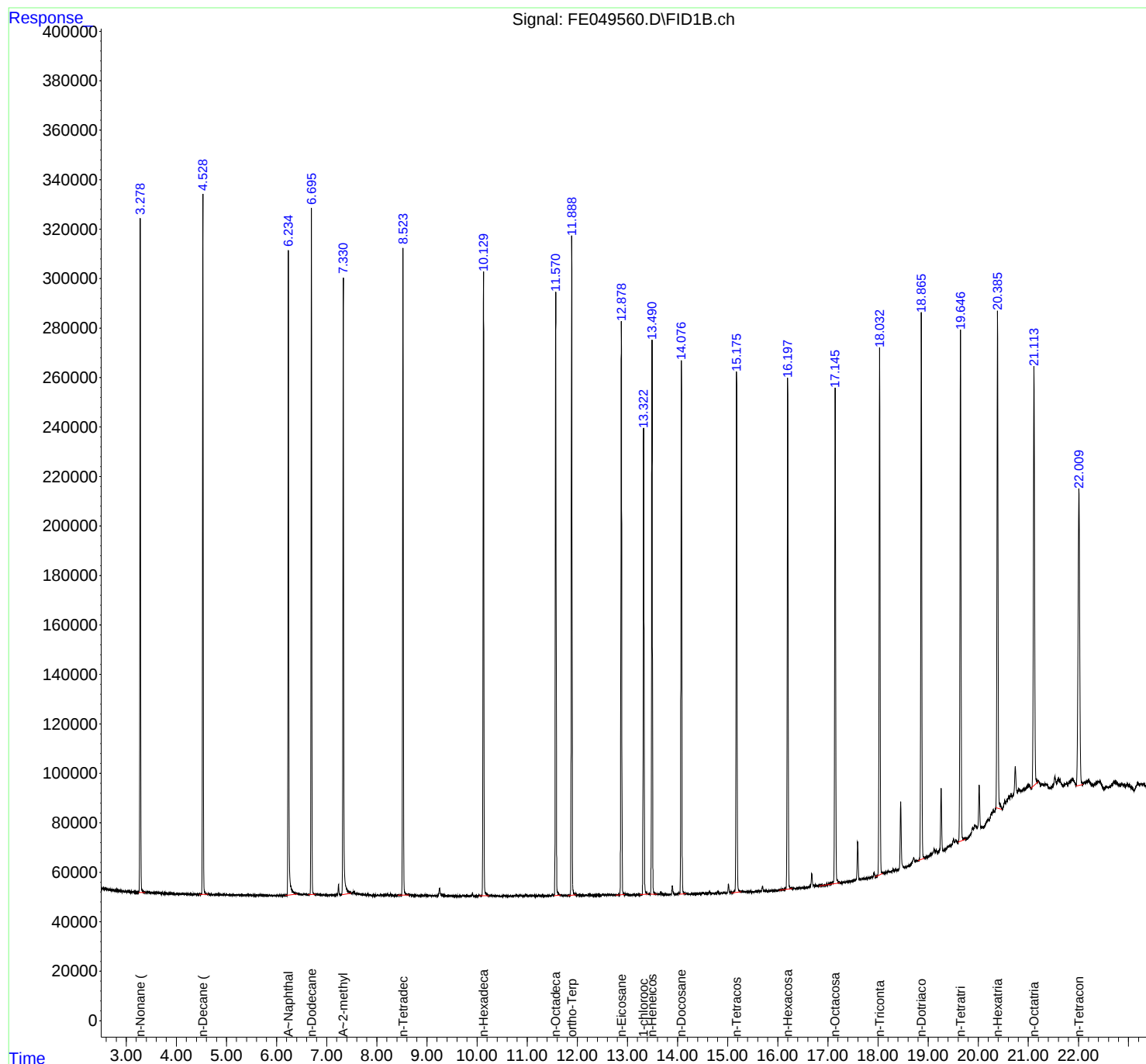
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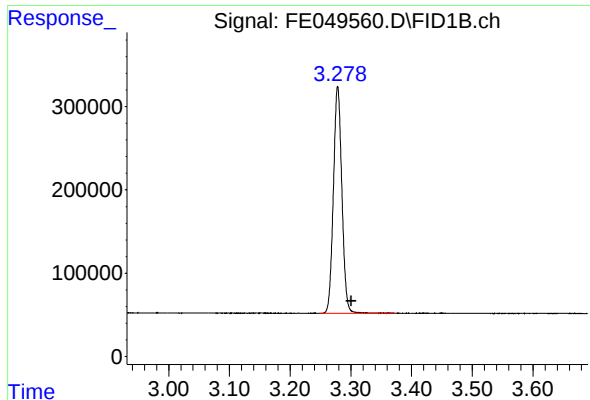
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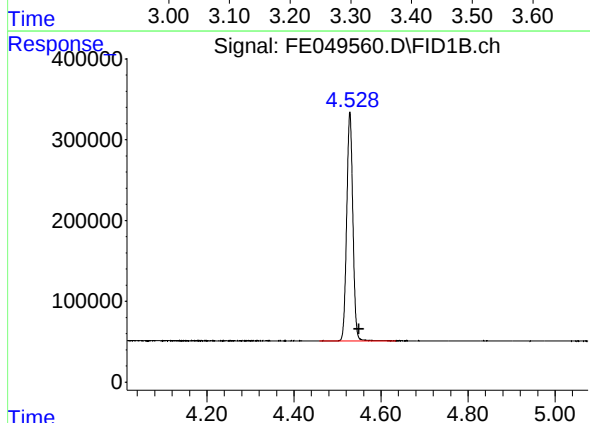
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: -0.023 min
Response: 2649581
Conc: 17.62 ug/ml

Instrument :
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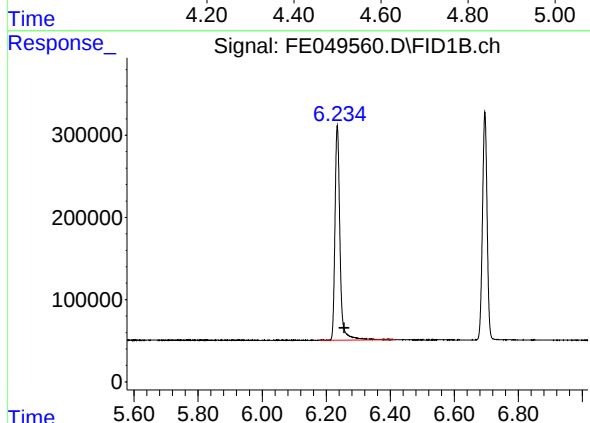
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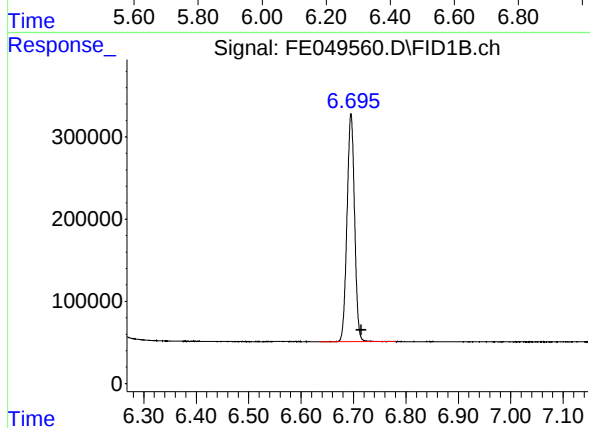
#2 n-Decane (C10)

R.T.: 4.529 min
Delta R.T.: -0.021 min
Response: 2778347
Conc: 17.99 ug/ml



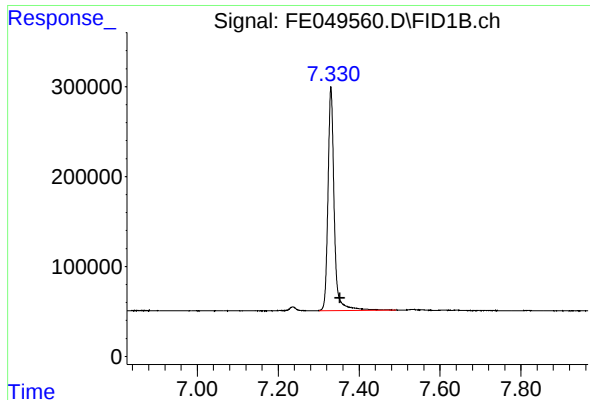
#3 A~Naphthalene (C11.7)

R.T.: 6.235 min
Delta R.T.: -0.022 min
Response: 2836032
Conc: 18.20 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.695 min
Delta R.T.: -0.020 min
Response: 2776095
Conc: 18.03 ug/ml



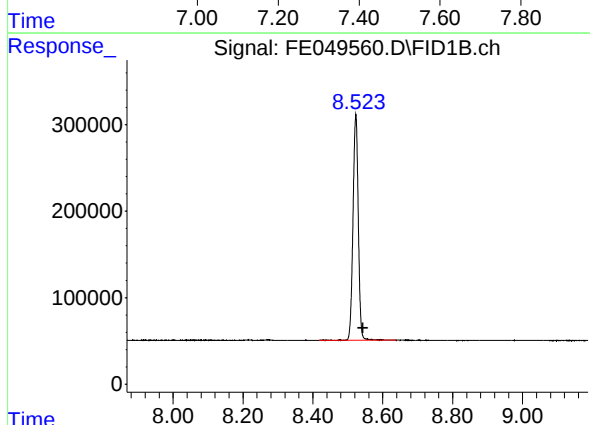
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.331 min
Delta R.T.: -0.022 min
Response: 2654148
Conc: 18.24 ug/ml

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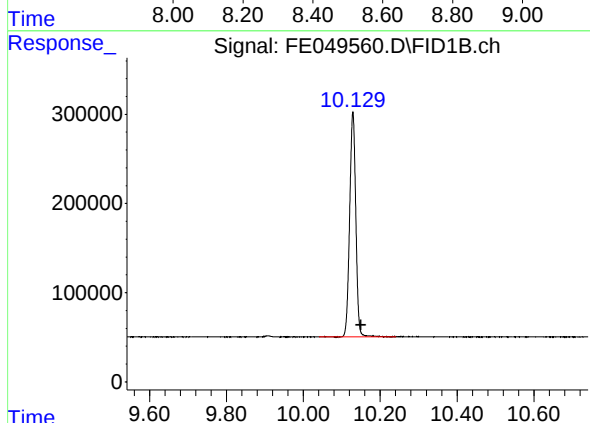
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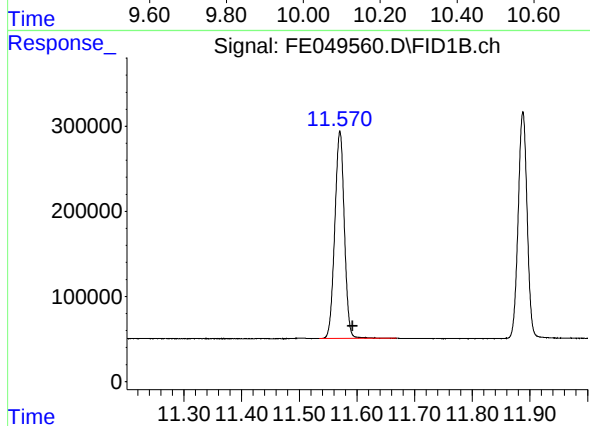
#6 n-Tetradecane (C14)

R.T.: 8.523 min
Delta R.T.: -0.020 min
Response: 2737729
Conc: 18.04 ug/ml



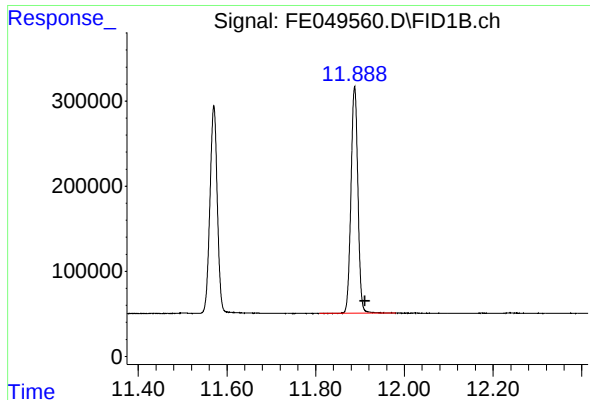
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: -0.021 min
Response: 2795174
Conc: 18.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.570 min
Delta R.T.: -0.022 min
Response: 2809779
Conc: 18.51 ug/ml



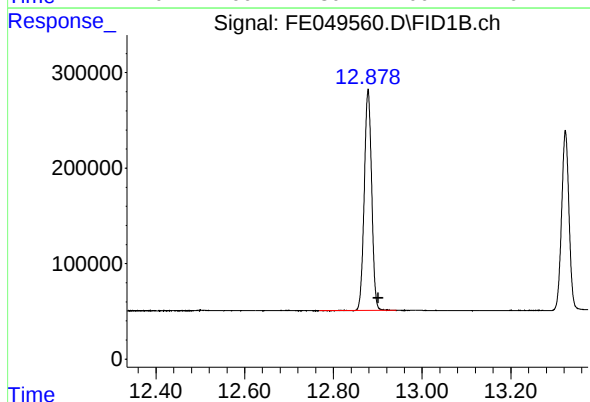
#9 ortho-Terphenyl (SURR)

R.T.: 11.888 min
Delta R.T.: -0.023 min
Response: 2886874
Conc: 18.61 ug/ml

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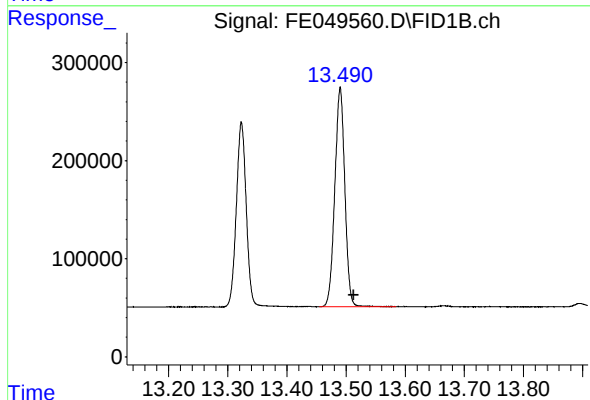
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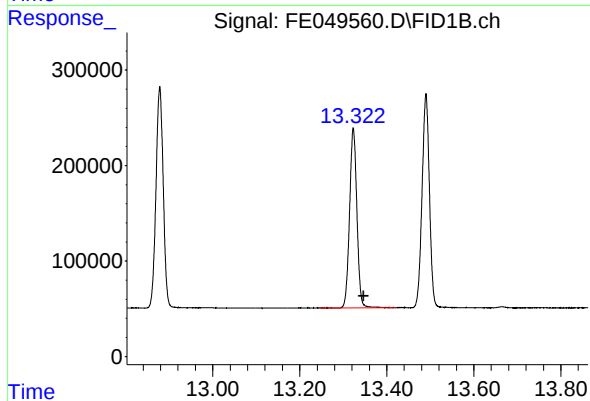
#10 n-Eicosane (C20)

R.T.: 12.878 min
Delta R.T.: -0.023 min
Response: 2678780
Conc: 18.52 ug/ml



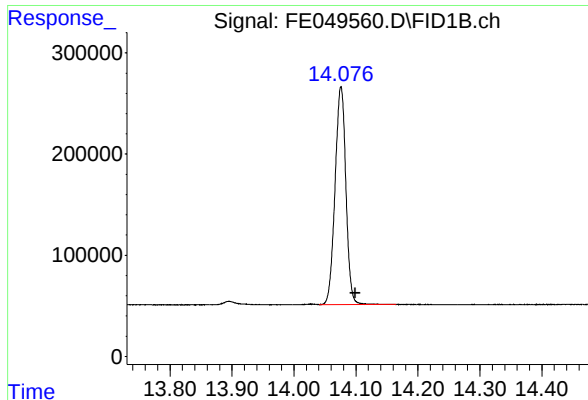
#11 n-Heneicosane (C21)

R.T.: 13.490 min
Delta R.T.: -0.023 min
Response: 2631311
Conc: 18.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.323 min
Delta R.T.: -0.023 min
Response: 2191117
Conc: 18.75 ug/ml



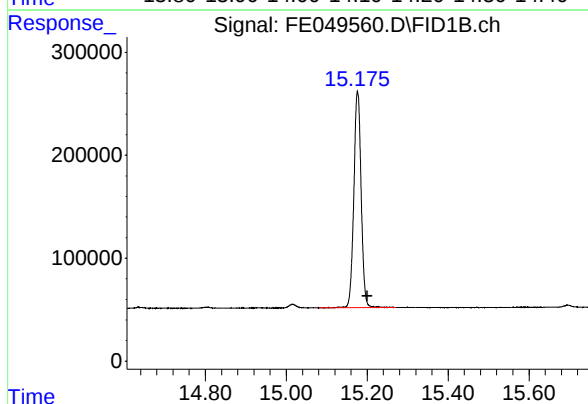
#13 n-Docosane (C22)

R.T.: 14.076 min
Delta R.T.: -0.023 min
Response: 2617786
Conc: 18.63 ug/ml

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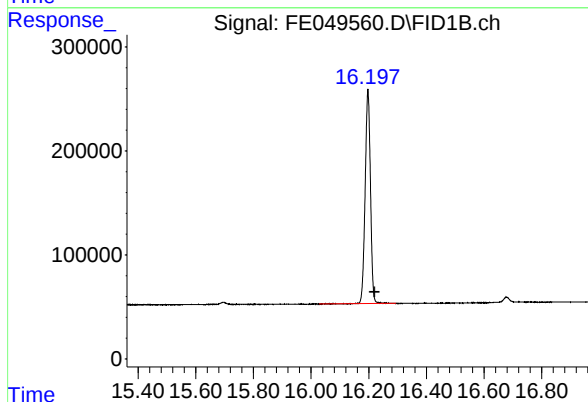
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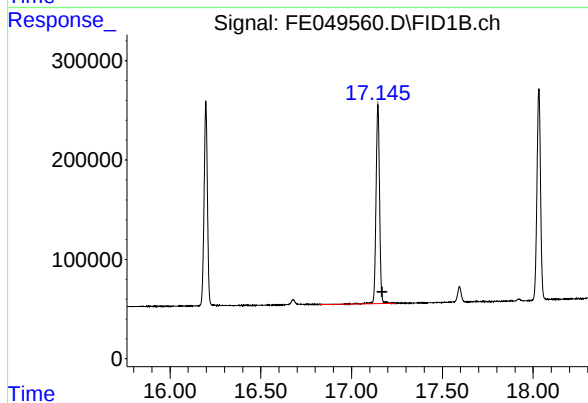
#14 n-Tetracosane (C24)

R.T.: 15.176 min
Delta R.T.: -0.024 min
Response: 2644550
Conc: 18.87 ug/ml



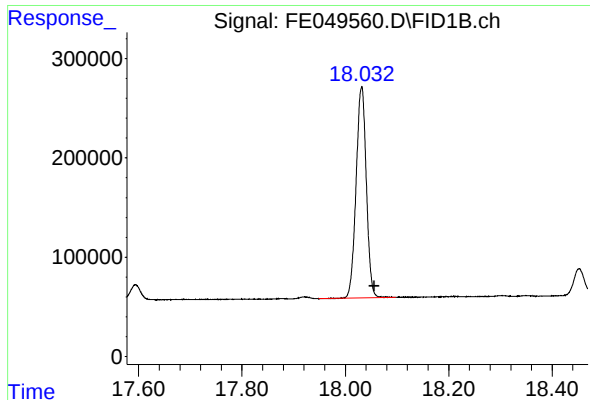
#15 n-Hexacosane (C26)

R.T.: 16.197 min
Delta R.T.: -0.024 min
Response: 2622962
Conc: 18.71 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.145 min
Delta R.T.: -0.025 min
Response: 2700234
Conc: 19.29 ug/ml



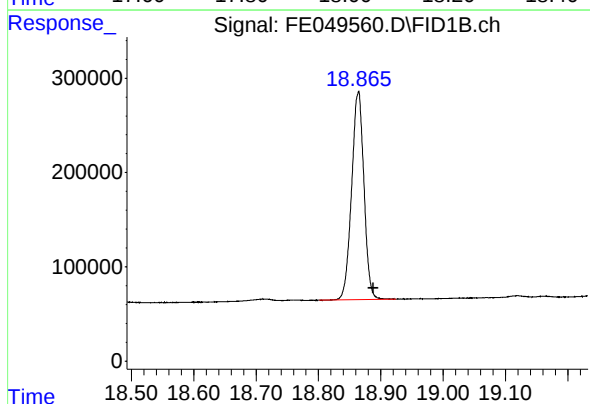
#17 n-Tricontane (C30)

R.T.: 18.031 min
Delta R.T.: -0.025 min
Response: 2924148
Conc: 20.05 ug/ml

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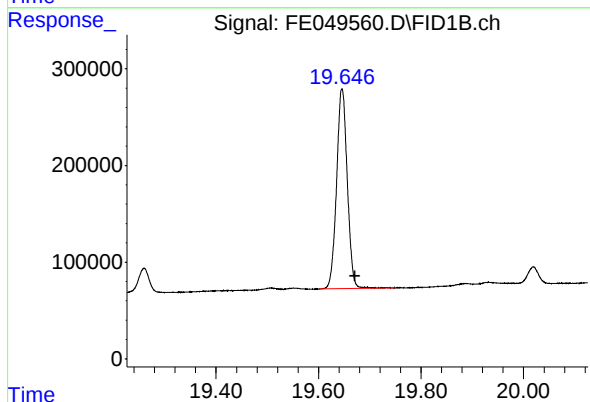
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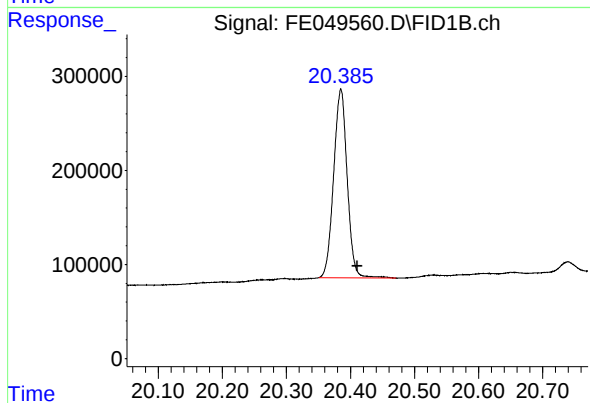
#18 n-Dotriacontane (C32)

R.T.: 18.864 min
Delta R.T.: -0.024 min
Response: 3034692
Conc: 20.64 ug/ml



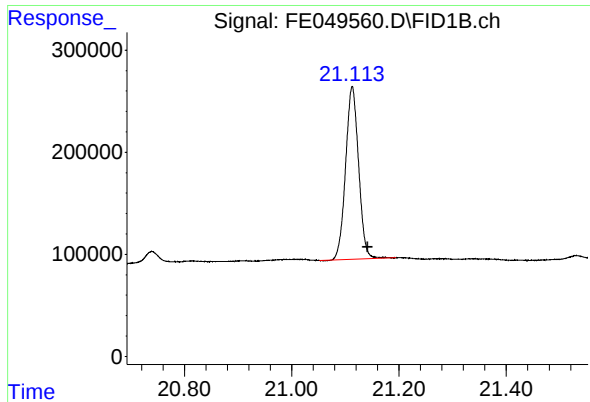
#19 n-Tetratriacontane (C34)

R.T.: 19.646 min
Delta R.T.: -0.025 min
Response: 3000714
Conc: 20.54 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.385 min
Delta R.T.: -0.025 min
Response: 2937936
Conc: 20.38 ug/ml



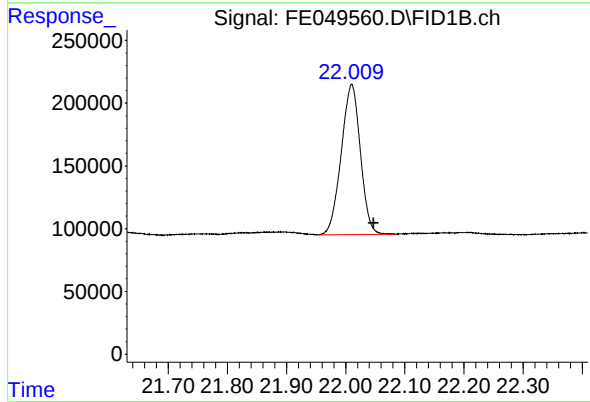
#21 n-Octatriacontane (C38)

R.T.: 21.113 min
Delta R.T.: -0.029 min
Response: 2840104
Conc: 18.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.009 min
Delta R.T.: -0.038 min
Response: 2701581
Conc: 17.90 ug/ml m