

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121323AL\
 Data File : FE045831.D
 Signal(s) : FID1B.ch
 Acq On : 14 Dec 2023 04:11
 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 12/14/2023
 Supervised By :Ankita Jodhani 12/14/2023

Integration File: autoint1.e
 Quant Time: Dec 14 04:55:13 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 113023.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 30 12:25:07 2023
 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)	11.839	3976376	19.015 ug/ml
Spiked Amount 50.000		Recovery =	38.03%
12) S 1-chlorooctadecane (S...	13.282	2940543	18.688 ug/ml
Spiked Amount 50.000		Recovery =	37.38%
Target Compounds			
1) T n-Nonane (C9)	3.232	3274961	20.652 ug/ml
2) T n-Decane (C10)	4.482	3356854	20.963 ug/ml
3) T A~Naphthalene (C11.7)	6.181	3624978	20.810 ug/ml
4) T n-Dodecane (C12)	6.649	3380906	20.931 ug/ml
5) T A~2-methylnaphthalene...	7.276	3513079	20.687 ug/ml
6) T n-Tetradecane (C14)	8.475	3365155	20.977 ug/ml
7) T n-Hexadecane (C16)	10.083	3416158	20.630 ug/ml
8) T n-Octadecane (C18)	11.527	3417557	19.933 ug/ml
10) T n-Eicosane (C20)	12.838	3294987	19.044 ug/ml
11) T n-Heneicosane (C21)	13.450	3219711	18.716 ug/ml
13) T n-Docosane (C22)	14.037	3203588	18.580 ug/ml
14) T n-Tetracosane (C24)	15.141	3163157	18.119 ug/ml
15) T n-Hexacosane (C26)	16.163	3119670	17.913 ug/ml
16) T n-Octacosane (C28)	17.114	3154156	18.250 ug/ml
17) T n-Tricontane (C30)	18.004	3313836	18.942 ug/ml
18) T n-Dotriacontane (C32)	18.836	3335947	18.286 ug/ml
19) T n-Tetratriacontane (C34)	19.623	3141208	18.931 ug/mlm
20) T n-Hexatriacontane (C36)	20.365	3020893	19.031 ug/mlm
21) T n-Octatriacontane (C38)	21.094	2979096	18.997 ug/mlm
22) T n-Tetracontane (C40)	21.992	3128273	22.012 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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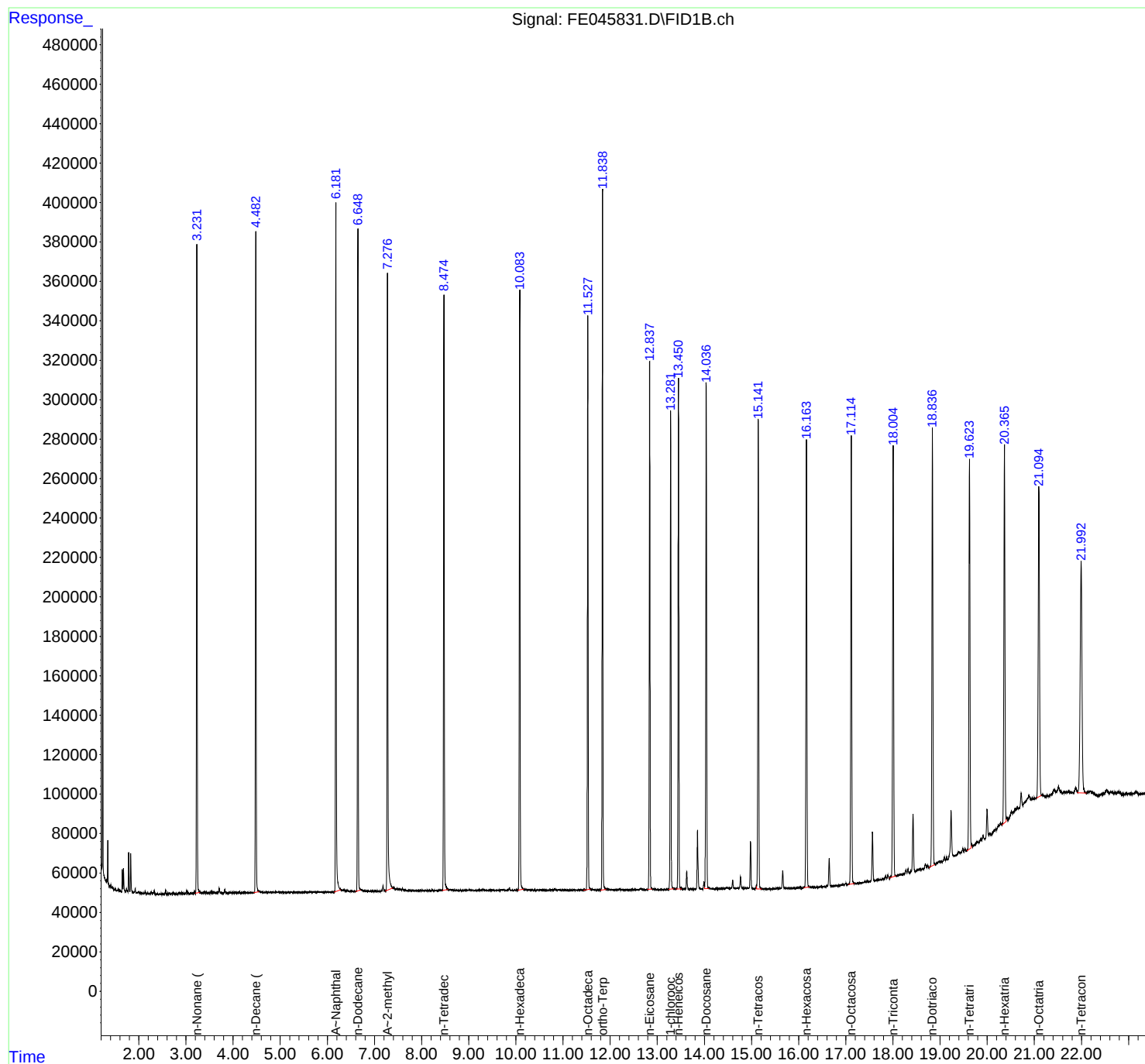
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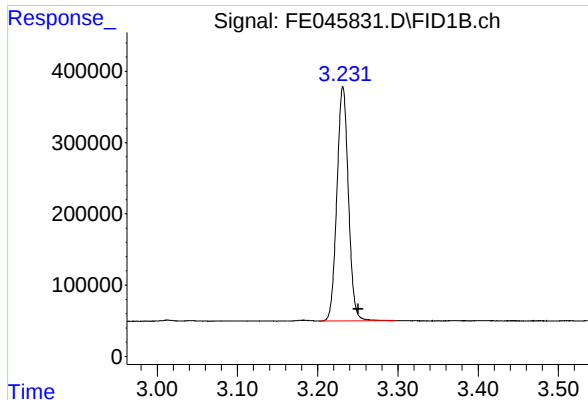
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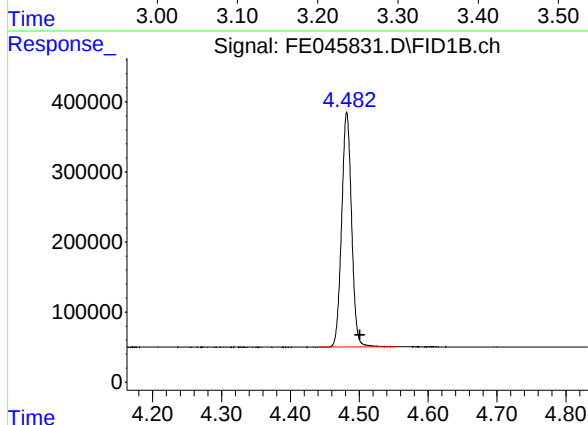
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.019 min
Response: 3274961
Conc: 20.65 ug/ml

Instrument :
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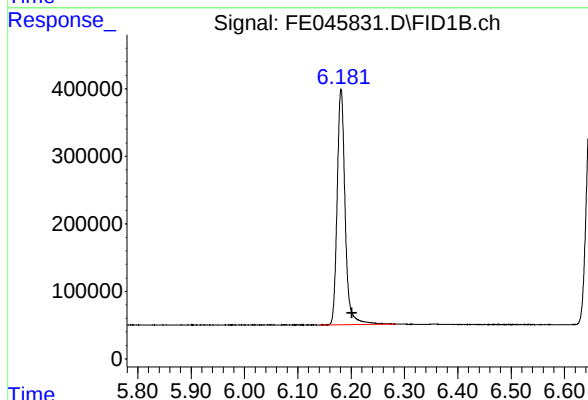
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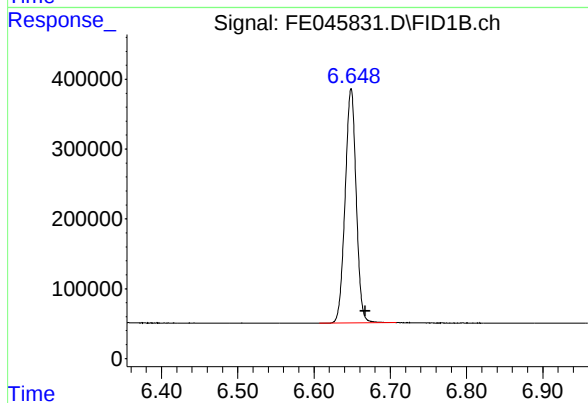
#2 n-Decane (C10)

R.T.: 4.482 min
Delta R.T.: -0.019 min
Response: 3356854
Conc: 20.96 ug/ml



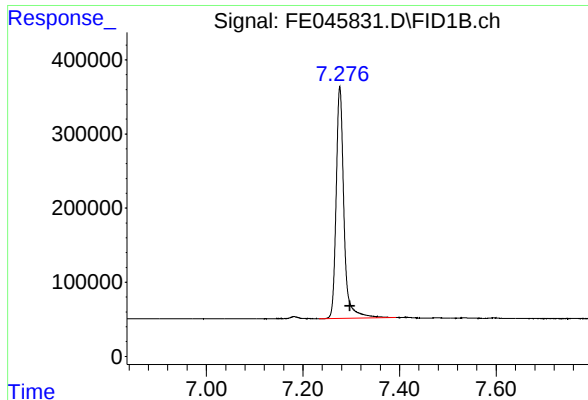
#3 A~Naphthalene (C11.7)

R.T.: 6.181 min
Delta R.T.: -0.020 min
Response: 3624978
Conc: 20.81 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.649 min
Delta R.T.: -0.018 min
Response: 3380906
Conc: 20.93 ug/ml



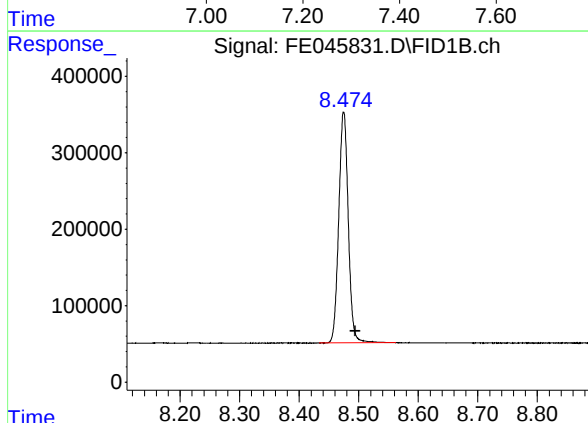
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: -0.021 min
Response: 3513079
Conc: 20.69 ug/ml

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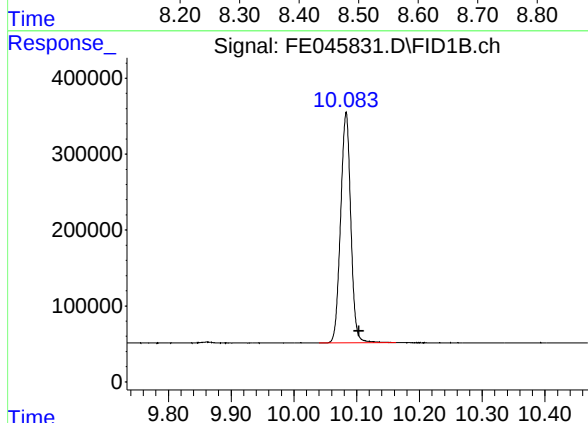
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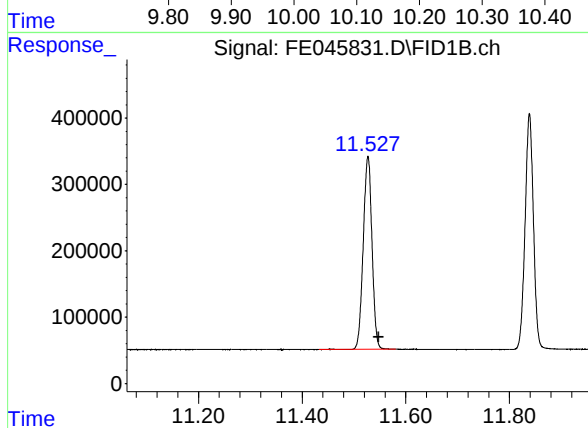
#6 n-Tetradecane (C14)

R.T.: 8.475 min
Delta R.T.: -0.019 min
Response: 3365155
Conc: 20.98 ug/ml



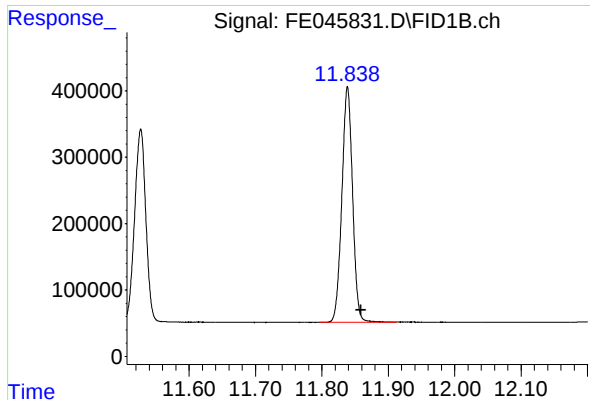
#7 n-Hexadecane (C16)

R.T.: 10.083 min
Delta R.T.: -0.021 min
Response: 3416158
Conc: 20.63 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.527 min
Delta R.T.: -0.020 min
Response: 3417557
Conc: 19.93 ug/ml



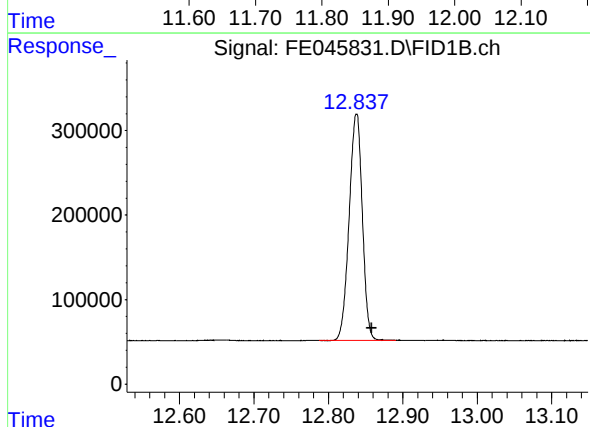
#9 ortho-Terphenyl (SURR)

R.T.: 11.839 min
Delta R.T.: -0.020 min
Response: 3976376
Conc: 19.02 ug/ml

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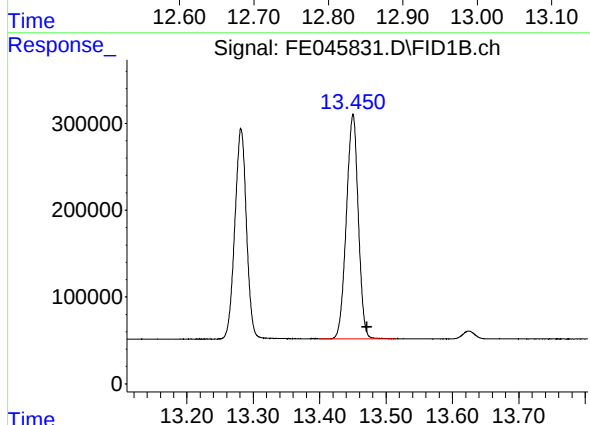
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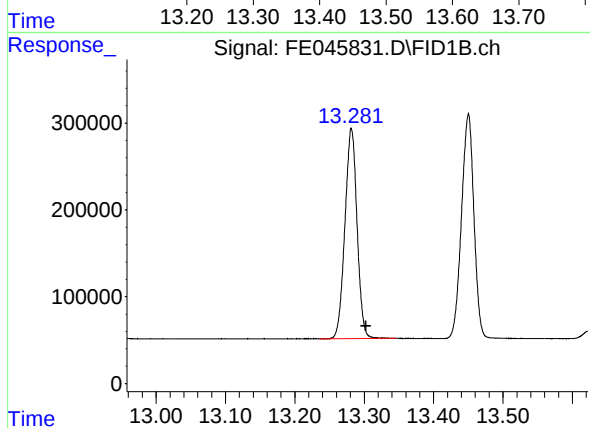
#10 n-Eicosane (C20)

R.T.: 12.838 min
Delta R.T.: -0.020 min
Response: 3294987
Conc: 19.04 ug/ml



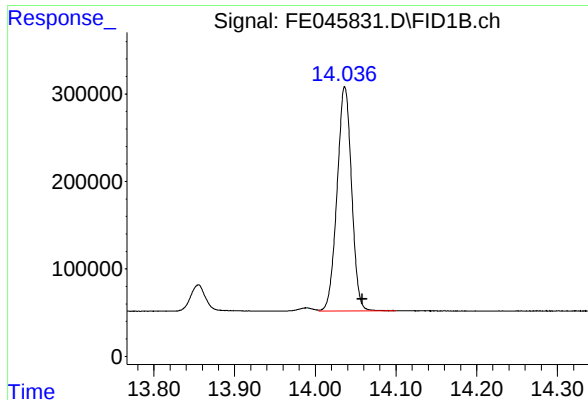
#11 n-Heneicosane (C21)

R.T.: 13.450 min
Delta R.T.: -0.021 min
Response: 3219711
Conc: 18.72 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.282 min
Delta R.T.: -0.021 min
Response: 2940543
Conc: 18.69 ug/ml



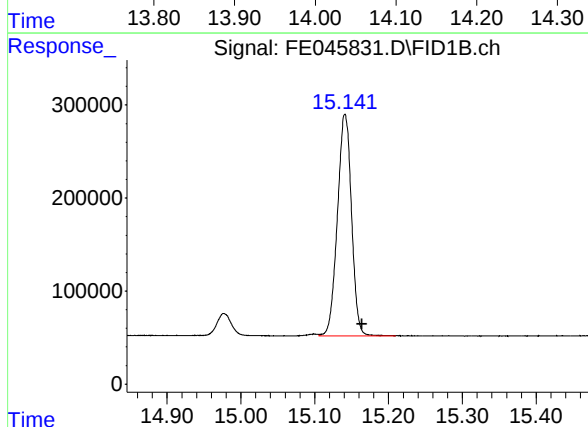
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: -0.022 min
Response: 3203588
Conc: 18.58 ug/ml

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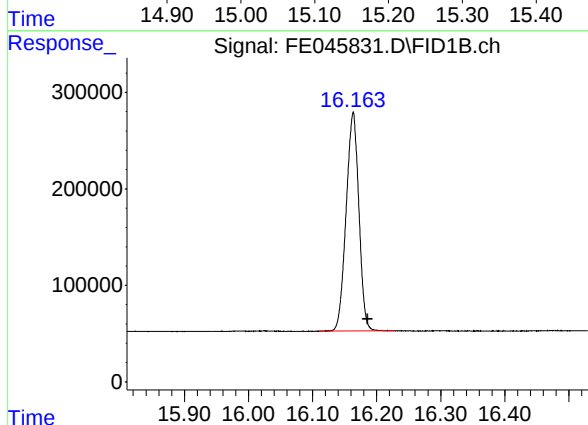
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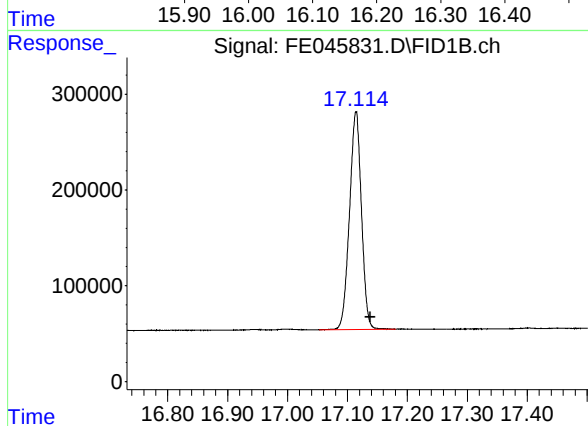
#14 n-Tetracosane (C24)

R.T.: 15.141 min
Delta R.T.: -0.023 min
Response: 3163157
Conc: 18.12 ug/ml



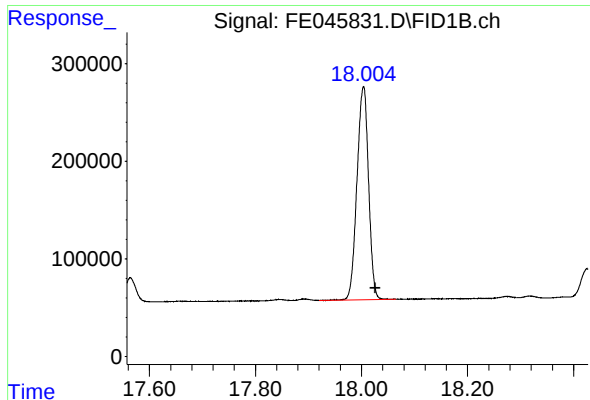
#15 n-Hexacosane (C26)

R.T.: 16.163 min
Delta R.T.: -0.023 min
Response: 3119670
Conc: 17.91 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.114 min
Delta R.T.: -0.024 min
Response: 3154156
Conc: 18.25 ug/ml



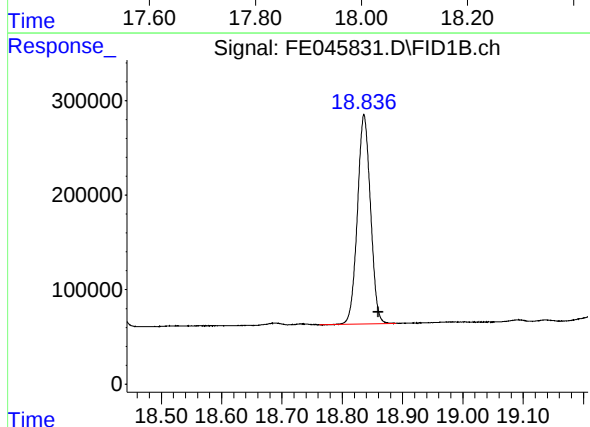
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.022 min
Response: 3313836
Conc: 18.94 ug/ml

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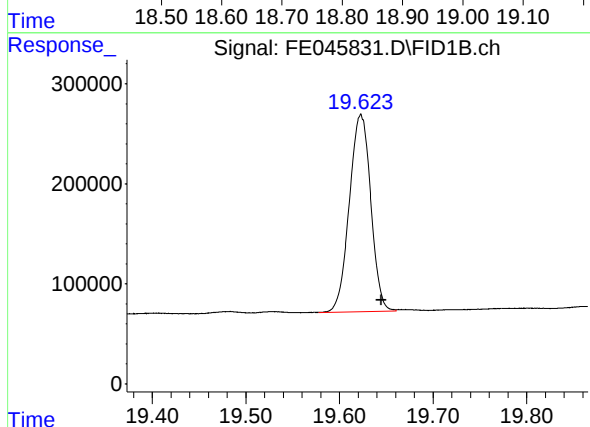
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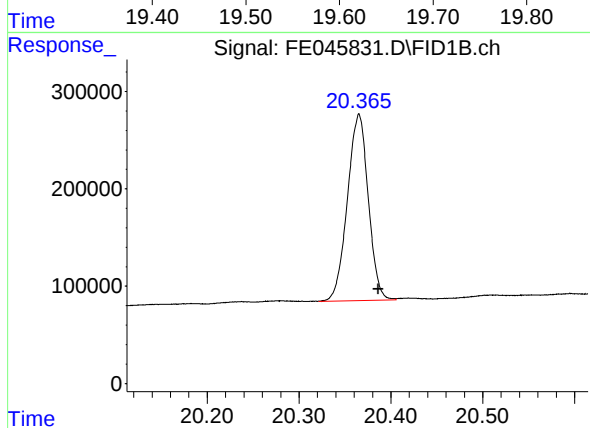
#18 n-Dotriacontane (C32)

R.T.: 18.836 min
Delta R.T.: -0.024 min
Response: 3335947
Conc: 18.29 ug/ml



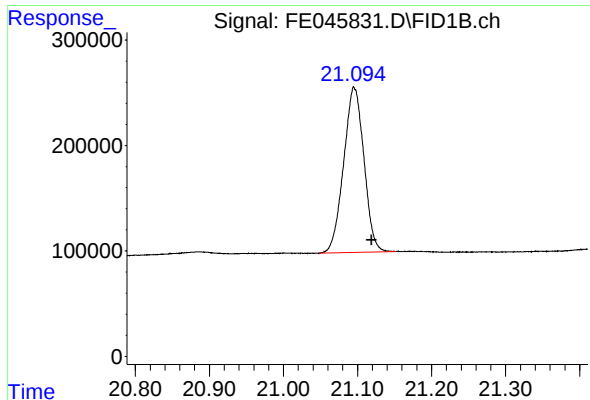
#19 n-Tetratriacontane (C34)

R.T.: 19.623 min
Delta R.T.: -0.022 min
Response: 3141208
Conc: 18.93 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.365 min
Delta R.T.: -0.021 min
Response: 3020893
Conc: 19.03 ug/ml m



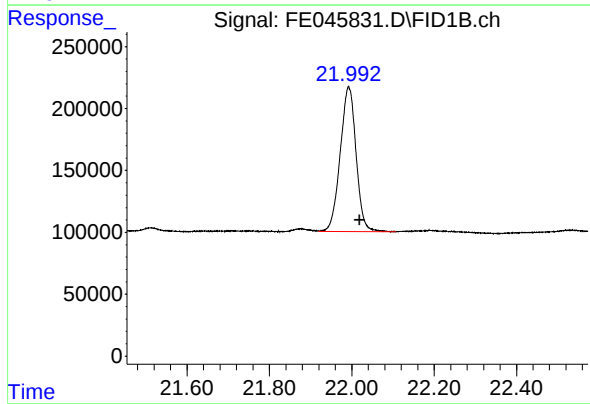
#21 n-Octatriacontane (C38)

R.T.: 21.094 min
Delta R.T.: -0.025 min
Response: 2979096
Conc: 19.00 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.992 min
Delta R.T.: -0.027 min
Response: 3128273
Conc: 22.01 ug/ml