

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090324AL\
 Data File : FE049907.D
 Signal(s) : FID1B.ch
 Acq On : 03 Sep 2024 22:17
 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 09/04/2024
 Supervised By :Ankita Jodhani 09/04/2024

Integration File: autoint1.e
 Quant Time: Sep 04 01:34:19 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.879	2753976	17.030 ug/ml
Spiked Amount 50.000		Recovery =	34.06%
12) S 1-chlorooctadecane (S...	13.313	2126061	17.426 ug/ml
Spiked Amount 50.000		Recovery =	34.85%
Target Compounds			
1) T n-Nonane (C9)	3.269	2485368	16.060 ug/ml
2) T n-Decane (C10)	4.520	2618198	16.582 ug/ml
3) T A~Naphthalene (C11.7)	6.227	2668578	16.631 ug/ml
4) T n-Dodecane (C12)	6.686	2650610	16.860 ug/ml
5) T A~2-methylnaphthalene...	7.323	2532038	16.908 ug/ml
6) T n-Tetradecane (C14)	8.513	2607657	16.891 ug/ml
7) T n-Hexadecane (C16)	10.119	2670412	17.098 ug/ml
8) T n-Octadecane (C18)	11.561	2698969	17.185 ug/ml
10) T n-Eicosane (C20)	12.869	2585429	17.316 ug/ml
11) T n-Heneicosane (C21)	13.480	2532517	17.264 ug/ml
13) T n-Docosane (C22)	14.066	2521820	17.302 ug/ml
14) T n-Tetracosane (C24)	15.167	2610474	17.946 ug/ml
15) T n-Hexacosane (C26)	16.187	2606214	18.058 ug/ml
16) T n-Octacosane (C28)	17.135	2708111	18.801 ug/ml
17) T n-Tricontane (C30)	18.022	3005112	20.074 ug/ml
18) T n-Dotriacontane (C32)	18.852	3089805	20.424 ug/ml
19) T n-Tetratriacontane (C34)	19.635	3012185	19.703 ug/ml
20) T n-Hexatriacontane (C36)	20.374	2855928	18.807 ug/ml
21) T n-Octatriacontane (C38)	21.101	2820189	17.968 ug/ml
22) T n-Tetracontane (C40)	21.993	2504959	16.407 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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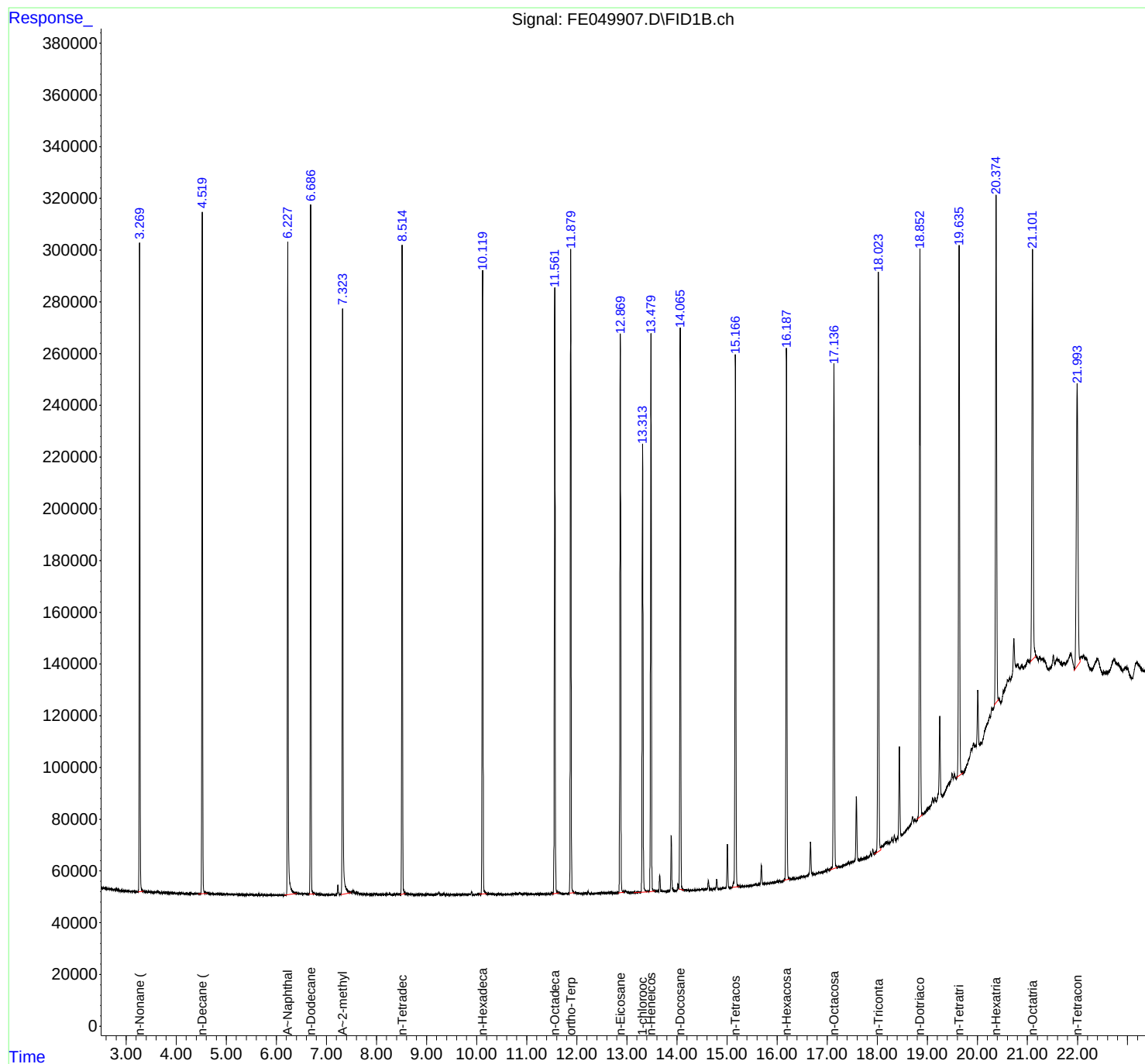
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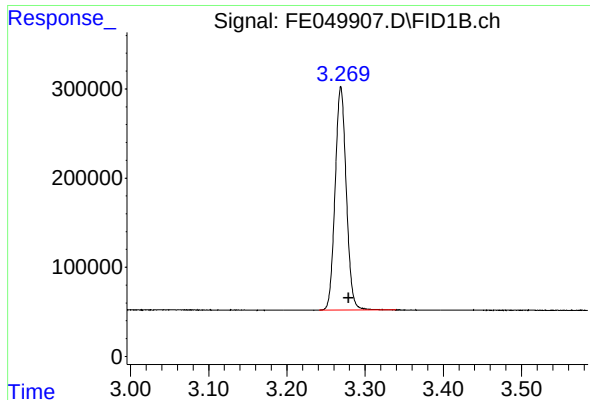
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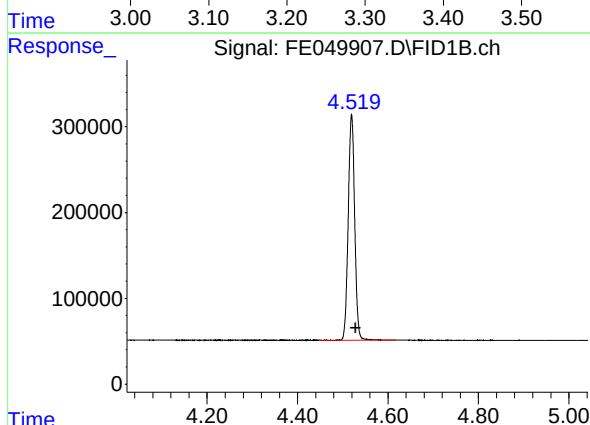
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.010 min
Response: 2485368
Conc: 16.06 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

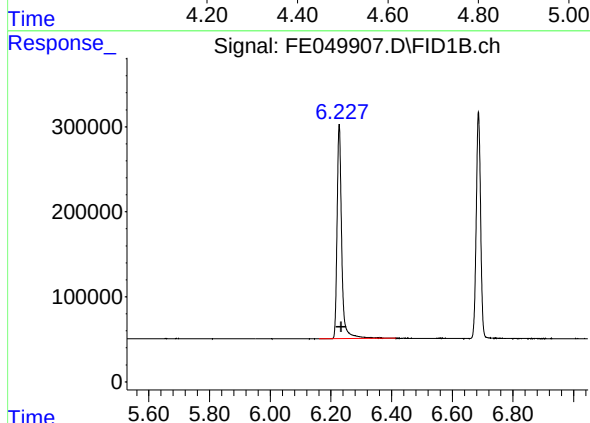
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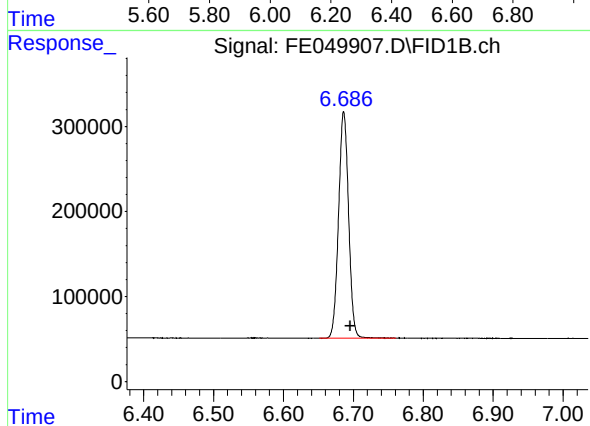
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.009 min
Response: 2618198
Conc: 16.58 ug/ml



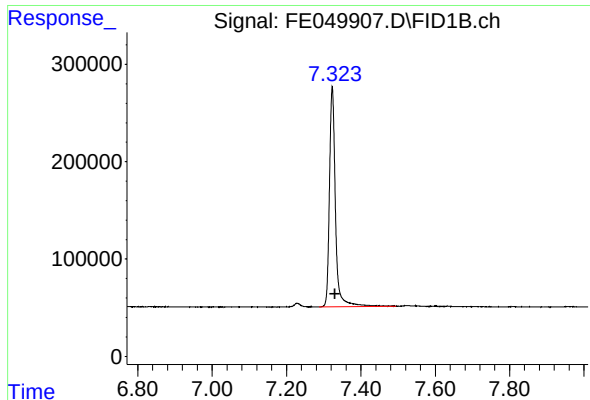
#3 A~Naphthalene (C11.7)

R.T.: 6.227 min
Delta R.T.: -0.008 min
Response: 2668578
Conc: 16.63 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.686 min
Delta R.T.: -0.009 min
Response: 2650610
Conc: 16.86 ug/ml



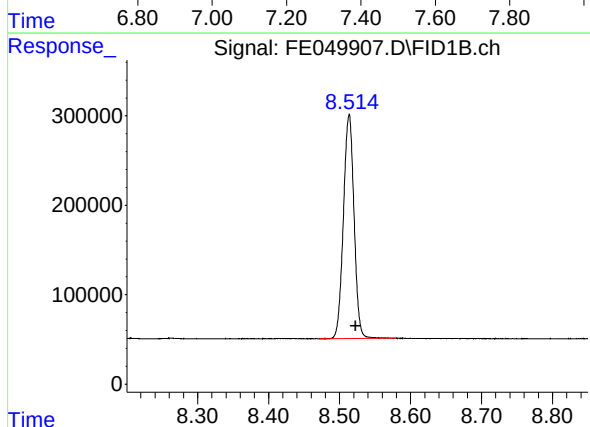
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.008 min
Response: 2532038
Conc: 16.91 ug/ml

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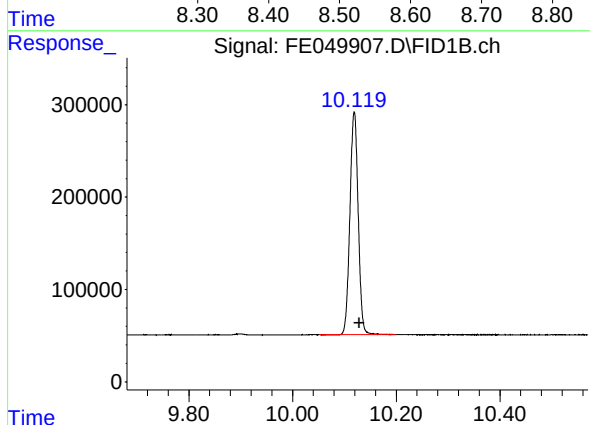
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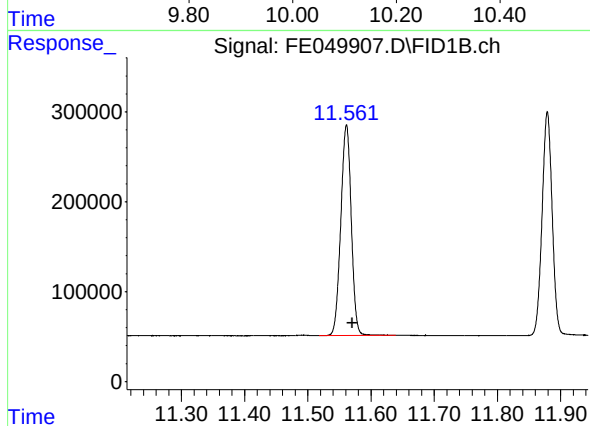
#6 n-Tetradecane (C14)

R.T.: 8.513 min
Delta R.T.: -0.009 min
Response: 2607657
Conc: 16.89 ug/ml



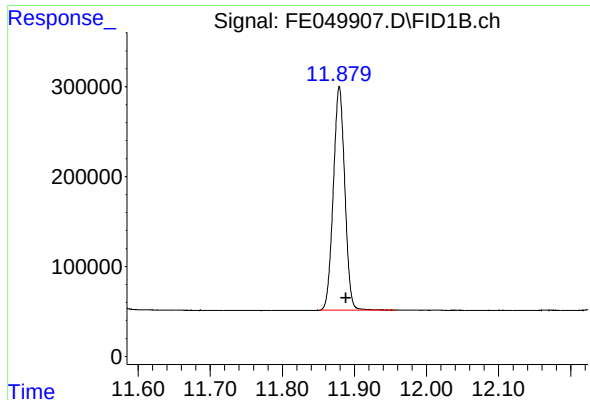
#7 n-Hexadecane (C16)

R.T.: 10.119 min
Delta R.T.: -0.010 min
Response: 2670412
Conc: 17.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.561 min
Delta R.T.: -0.009 min
Response: 2698969
Conc: 17.19 ug/ml



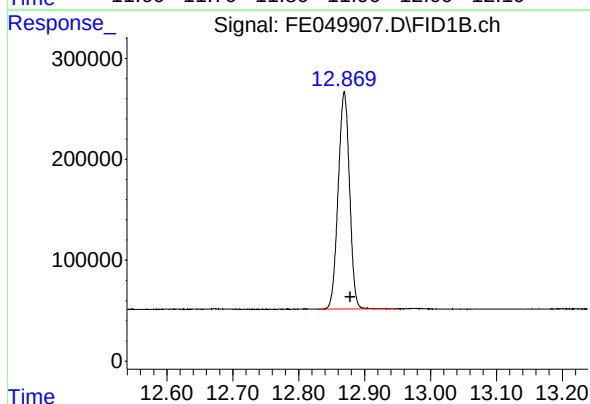
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.009 min
Response: 2753976
Conc: 17.03 ug/ml

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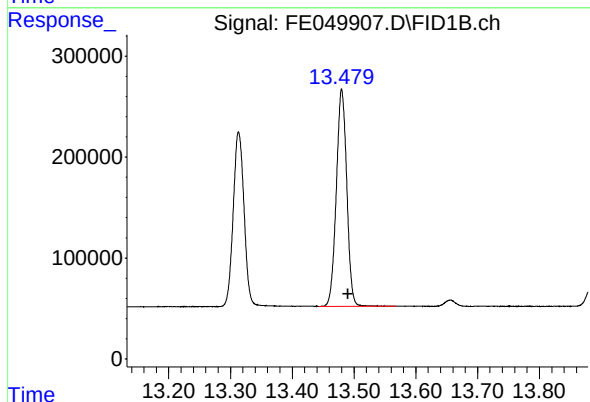
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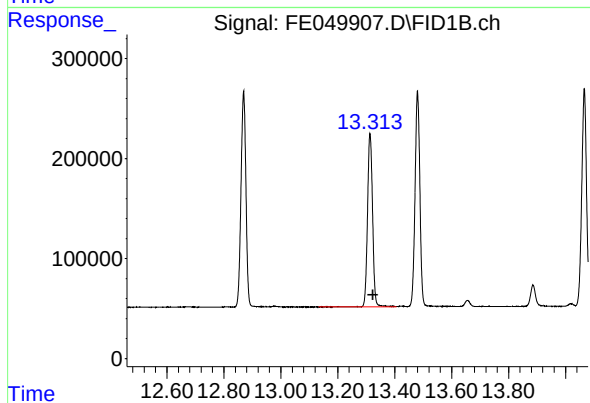
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.009 min
Response: 2585429
Conc: 17.32 ug/ml



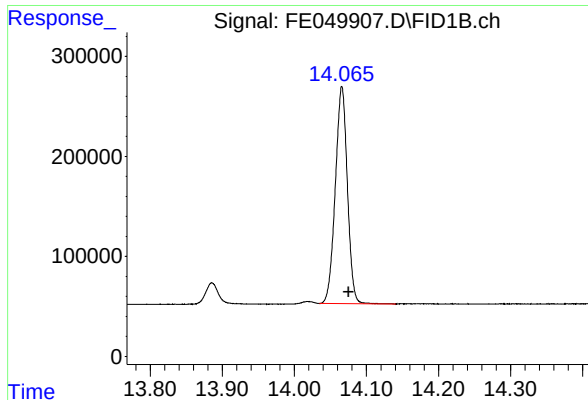
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.010 min
Response: 2532517
Conc: 17.26 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.313 min
Delta R.T.: -0.010 min
Response: 2126061
Conc: 17.43 ug/ml



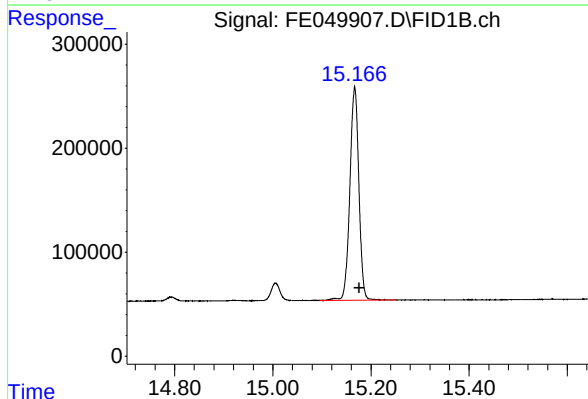
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.009 min
Response: 2521820
Conc: 17.30 ug/ml

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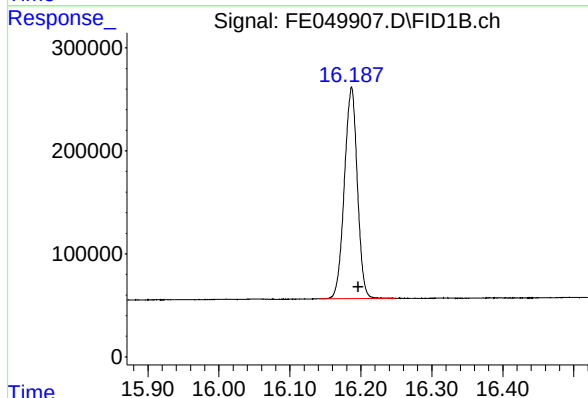
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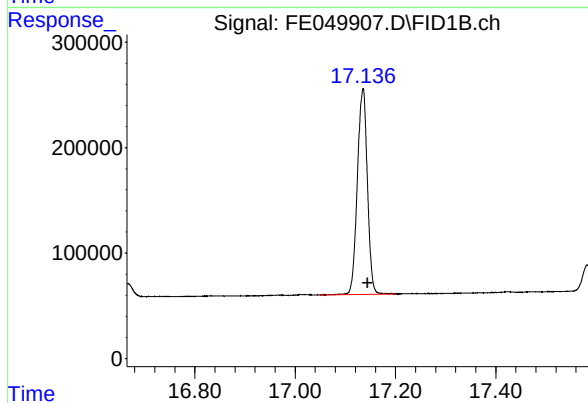
#14 n-Tetracosane (C24)

R.T.: 15.167 min
Delta R.T.: -0.010 min
Response: 2610474
Conc: 17.95 ug/ml



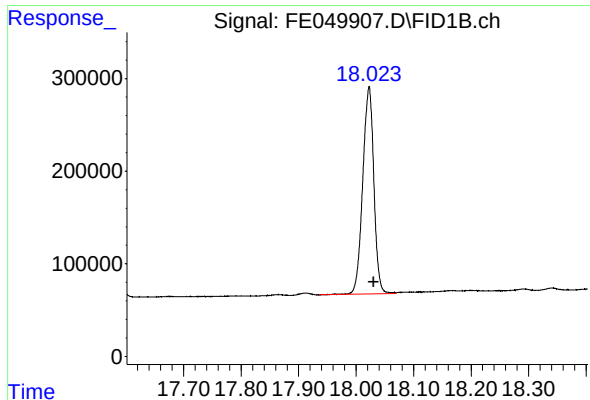
#15 n-Hexacosane (C26)

R.T.: 16.187 min
Delta R.T.: -0.010 min
Response: 2606214
Conc: 18.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.135 min
Delta R.T.: -0.010 min
Response: 2708111
Conc: 18.80 ug/ml



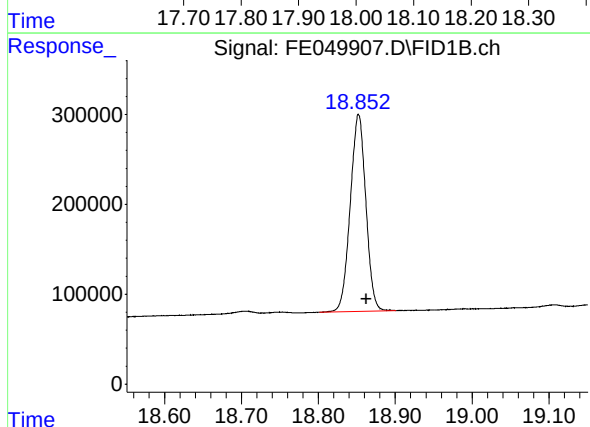
#17 n-Tricontane (C30)

R.T.: 18.022 min
Delta R.T.: -0.009 min
Response: 3005112
Conc: 20.07 ug/ml

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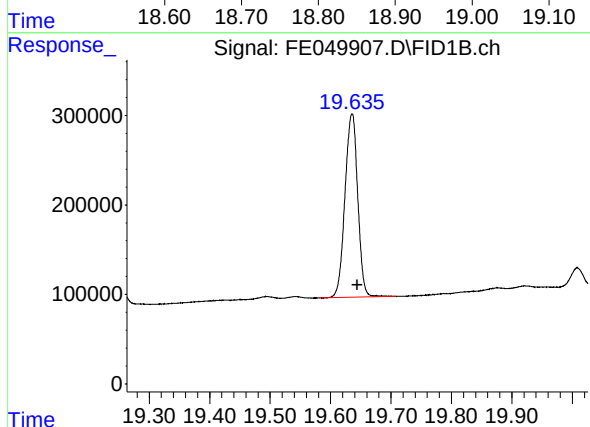
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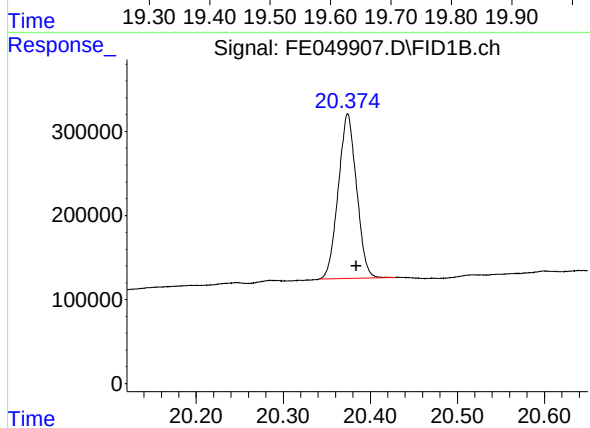
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.010 min
Response: 3089805
Conc: 20.42 ug/ml



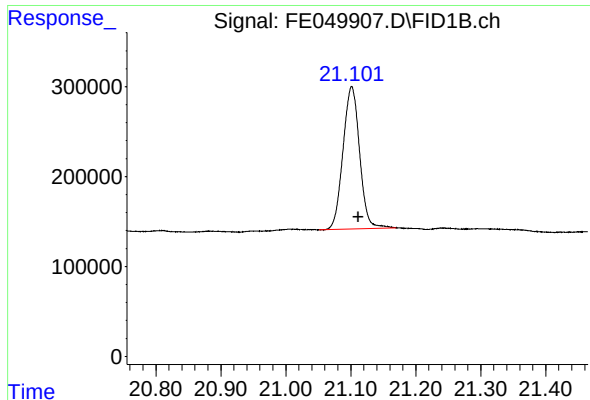
#19 n-Tetratriacontane (C34)

R.T.: 19.635 min
Delta R.T.: -0.009 min
Response: 3012185
Conc: 19.70 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.374 min
Delta R.T.: -0.010 min
Response: 2855928
Conc: 18.81 ug/ml



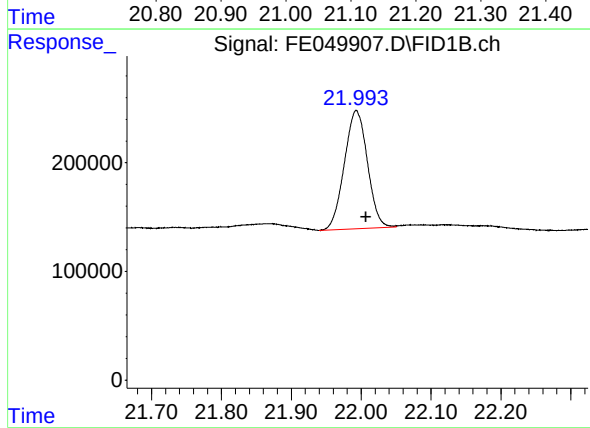
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.010 min
Response: 2820189
Conc: 17.97 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.993 min
Delta R.T.: -0.015 min
Response: 2504959
Conc: 16.41 ug/ml m