

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090424AL\
 Data File : FE049914.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2024 13:07
 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 09/05/2024
 Supervised By :Ankita Jodhani 09/05/2024

Integration File: autoint1.e
 Quant Time: Sep 05 01:20:24 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	3350909	20.722 ug/ml
Spiked Amount 50.000		Recovery =	41.44%
12) S 1-chlorooctadecane (S...	13.314	2540209	20.820 ug/ml
Spiked Amount 50.000		Recovery =	41.64%
Target Compounds			
1) T n-Nonane (C9)	3.269	3166669	20.463 ug/ml
2) T n-Decane (C10)	4.520	3234492	20.486 ug/ml
3) T A~Naphthalene (C11.7)	6.228	3308626	20.620 ug/ml
4) T n-Dodecane (C12)	6.687	3231950	20.558 ug/ml
5) T A~2-methylnaphthalene...	7.323	3109416	20.763 ug/ml
6) T n-Tetradecane (C14)	8.514	3163697	20.493 ug/ml
7) T n-Hexadecane (C16)	10.120	3234334	20.709 ug/ml
8) T n-Octadecane (C18)	11.562	3256071	20.732 ug/ml
10) T n-Eicosane (C20)	12.869	3109062	20.823 ug/ml
11) T n-Heneicosane (C21)	13.480	3044585	20.754 ug/ml
13) T n-Docosane (C22)	14.066	3022642	20.738 ug/ml
14) T n-Tetracosane (C24)	15.168	3064263	21.065 ug/ml
15) T n-Hexacosane (C26)	16.186	3021465	20.935 ug/ml
16) T n-Octacosane (C28)	17.134	3039041	21.099 ug/ml
17) T n-Tricontane (C30)	18.021	3135788	20.947 ug/ml
18) T n-Dotriacontane (C32)	18.852	3199582	21.150 ug/ml
19) T n-Tetratriacontane (C34)	19.635	3245449	21.229 ug/ml
20) T n-Hexatriacontane (C36)	20.373	3222814	21.223 ug/mlm
21) T n-Octatriacontane (C38)	21.101	3278184	20.886 ug/ml
22) T n-Tetracontane (C40)	21.993	3296760	21.593 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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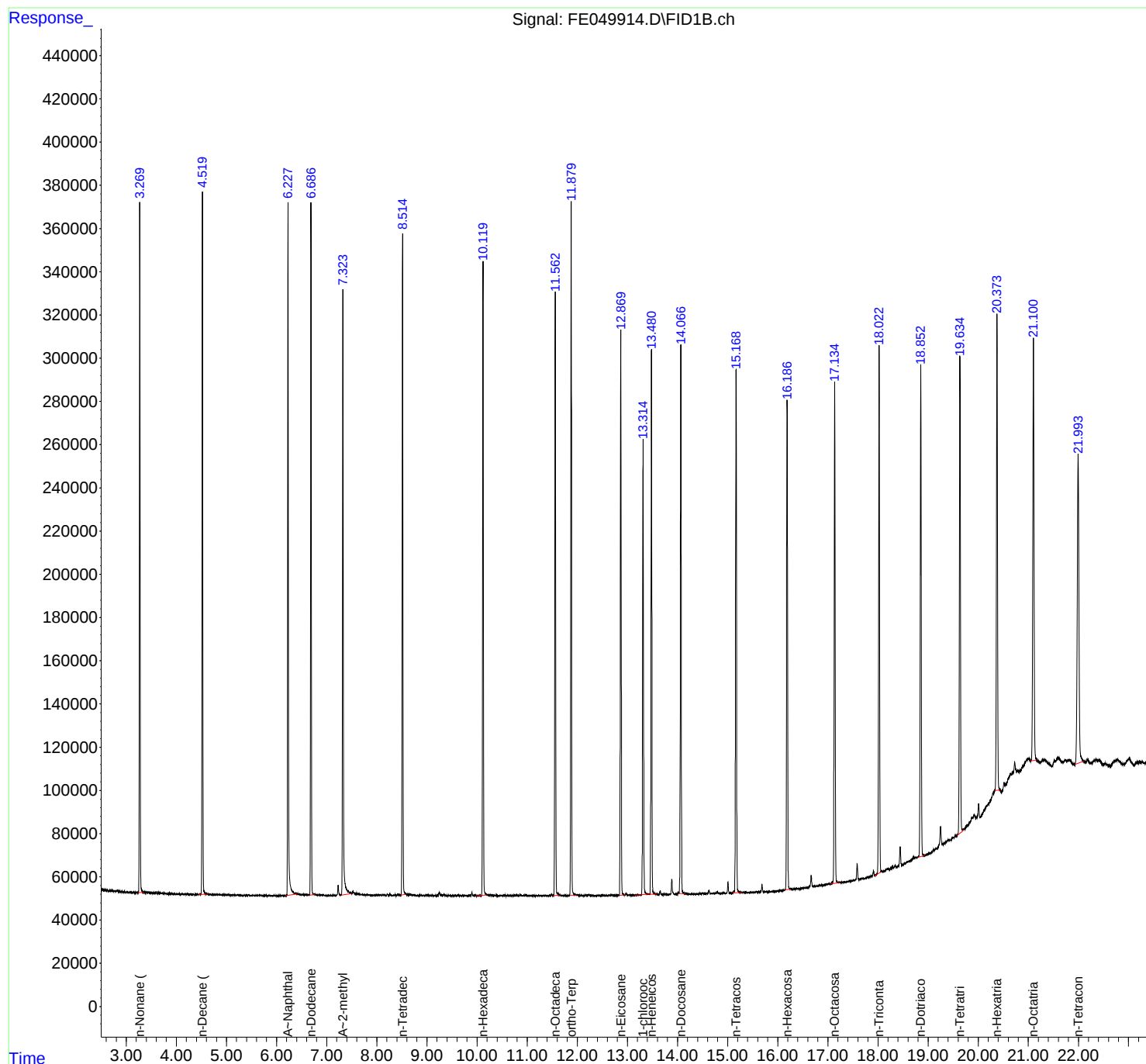
Instrument :
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20 PPM ALIPHATIC HC STD

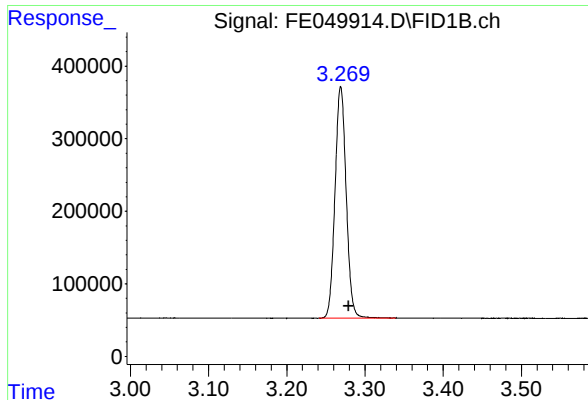
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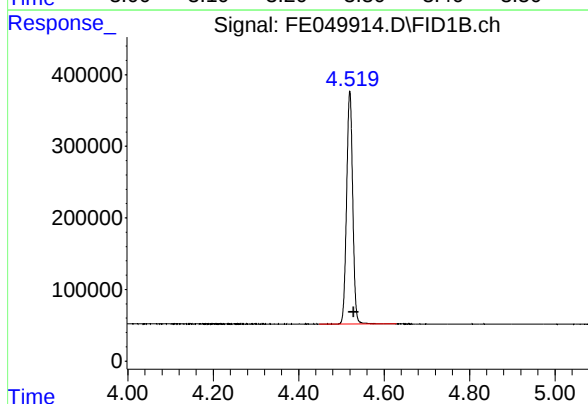
#1 n-Nonane (C9)

R.T.: 3.269 min
Delta R.T.: -0.010 min
Response: 3166669
Conc: 20.46 ug/ml

Instrument :
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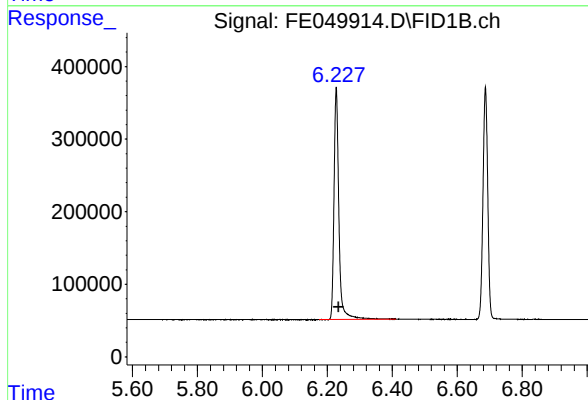
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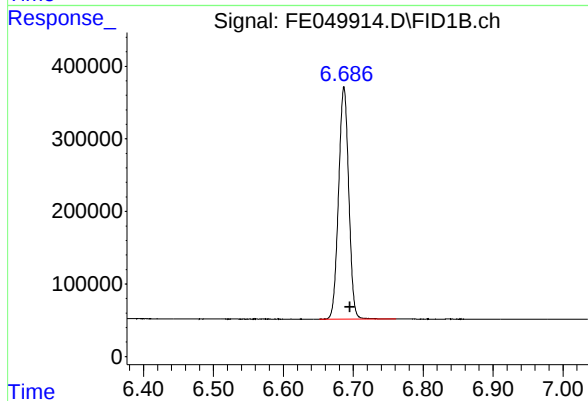
#2 n-Decane (C10)

R.T.: 4.520 min
Delta R.T.: -0.009 min
Response: 3234492
Conc: 20.49 ug/ml



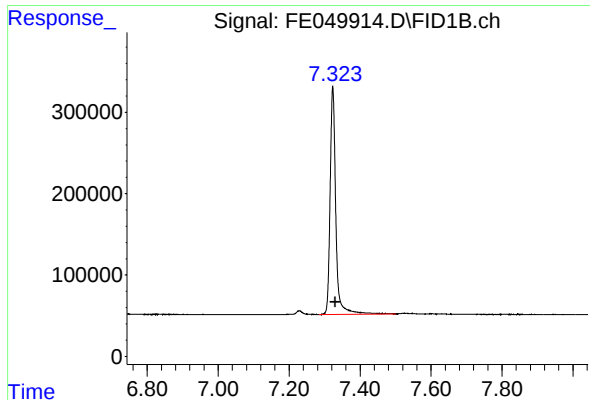
#3 A~Naphthalene (C11.7)

R.T.: 6.228 min
Delta R.T.: -0.008 min
Response: 3308626
Conc: 20.62 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.687 min
Delta R.T.: -0.009 min
Response: 3231950
Conc: 20.56 ug/ml



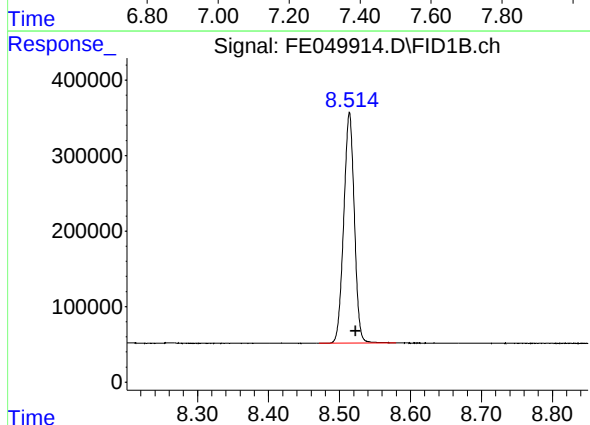
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.323 min
Delta R.T.: -0.008 min
Response: 3109416
Conc: 20.76 ug/ml

Instrument : FID_E
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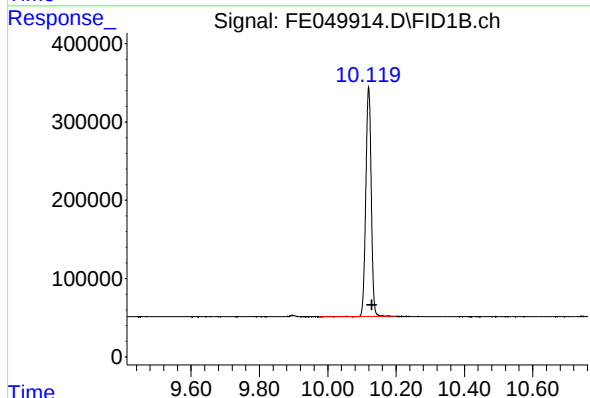
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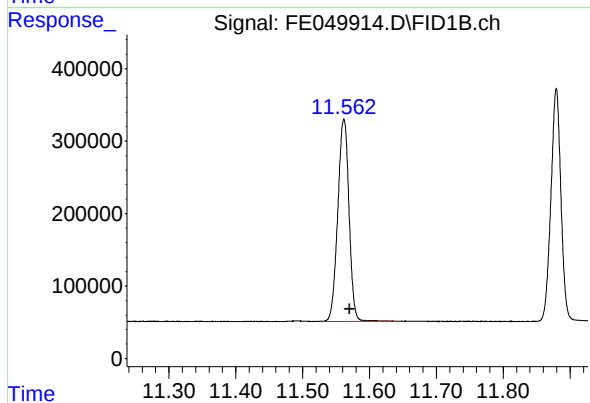
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: -0.008 min
Response: 3163697
Conc: 20.49 ug/ml



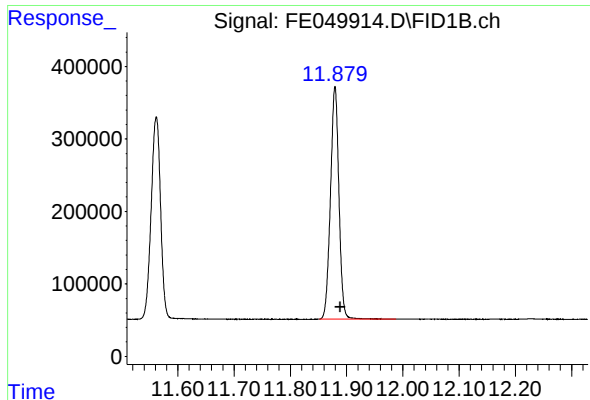
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: -0.009 min
Response: 3234334
Conc: 20.71 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.562 min
Delta R.T.: -0.009 min
Response: 3256071
Conc: 20.73 ug/ml



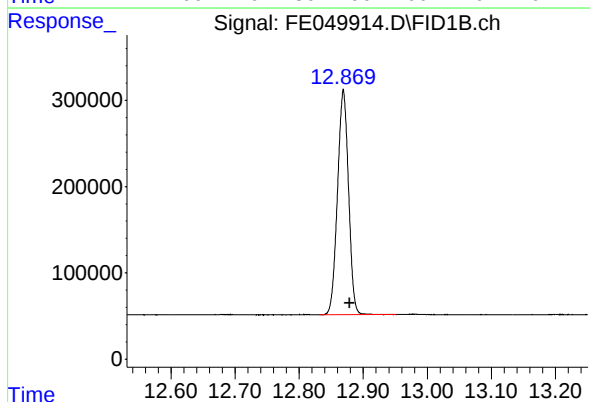
#9 ortho-Terphenyl (SURR)

R.T.: 11.879 min
Delta R.T.: -0.009 min
Response: 3350909
Conc: 20.72 ug/ml

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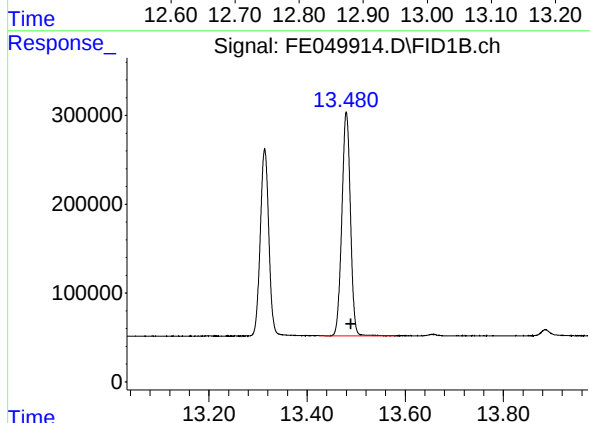
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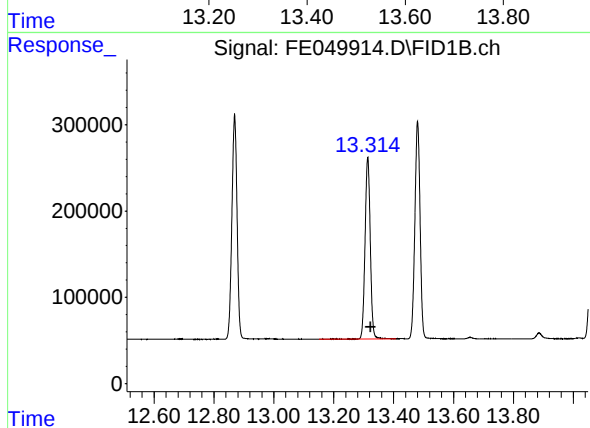
#10 n-Eicosane (C20)

R.T.: 12.869 min
Delta R.T.: -0.010 min
Response: 3109062
Conc: 20.82 ug/ml



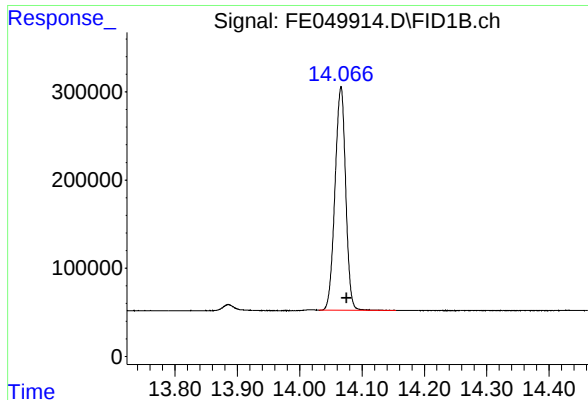
#11 n-Heneicosane (C21)

R.T.: 13.480 min
Delta R.T.: -0.010 min
Response: 3044585
Conc: 20.75 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.314 min
Delta R.T.: -0.010 min
Response: 2540209
Conc: 20.82 ug/ml



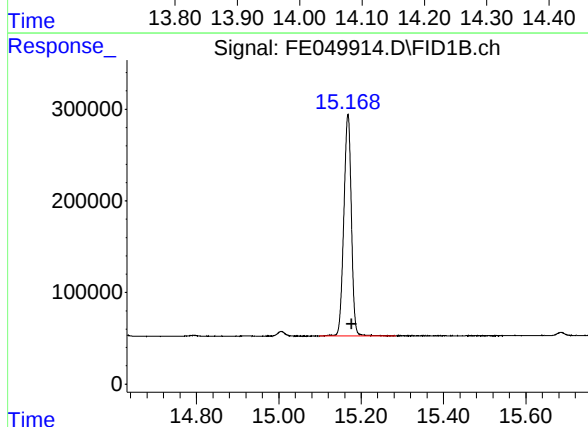
#13 n-Docosane (C22)

R.T.: 14.066 min
Delta R.T.: -0.009 min
Response: 3022642
Conc: 20.74 ug/ml

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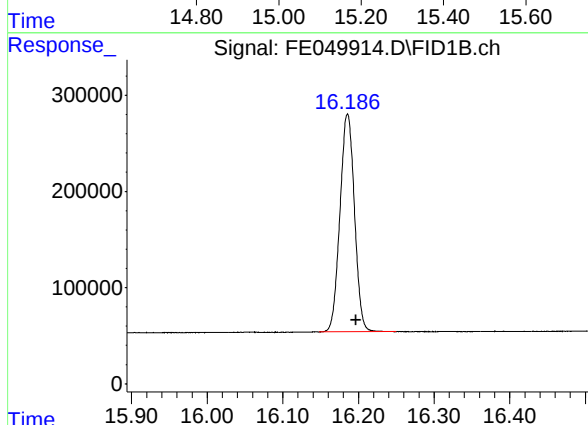
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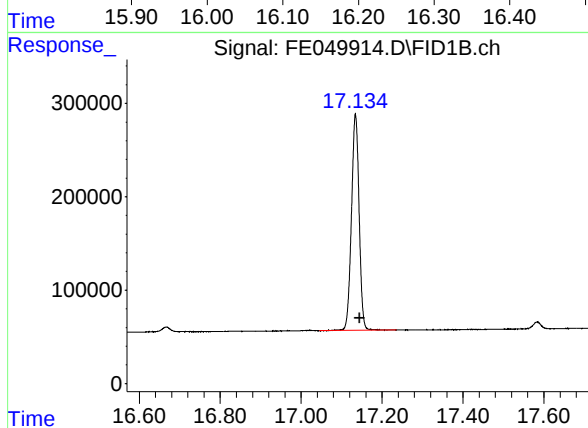
#14 n-Tetracosane (C24)

R.T.: 15.168 min
Delta R.T.: -0.009 min
Response: 3064263
Conc: 21.07 ug/ml



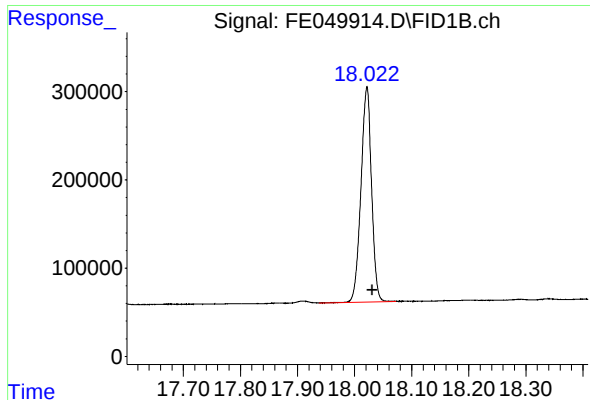
#15 n-Hexacosane (C26)

R.T.: 16.186 min
Delta R.T.: -0.011 min
Response: 3021465
Conc: 20.94 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.134 min
Delta R.T.: -0.010 min
Response: 3039041
Conc: 21.10 ug/ml



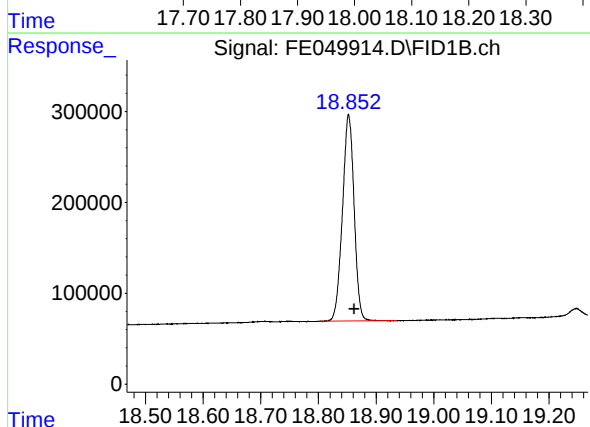
#17 n-Tricontane (C30)

R.T.: 18.021 min
Delta R.T.: -0.010 min
Response: 3135788
Conc: 20.95 ug/ml

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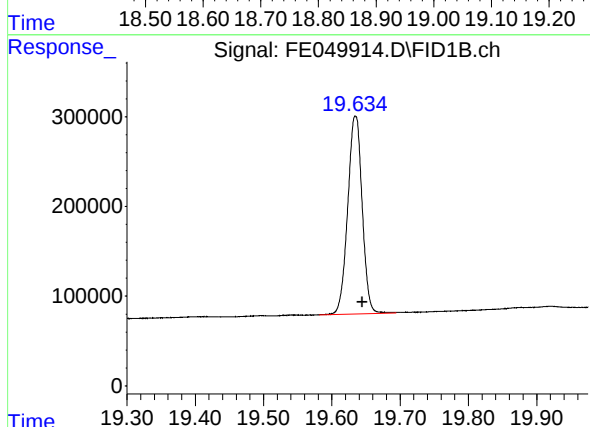
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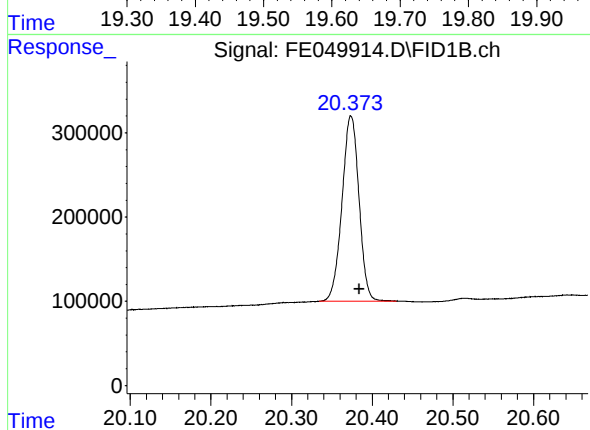
#18 n-Dotriacontane (C32)

R.T.: 18.852 min
Delta R.T.: -0.010 min
Response: 3199582
Conc: 21.15 ug/ml



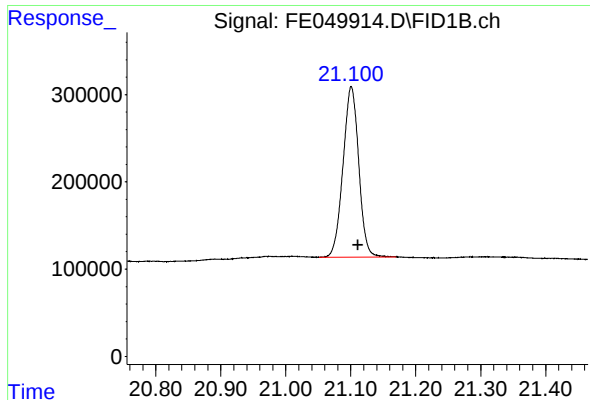
#19 n-Tetratriacontane (C34)

R.T.: 19.635 min
Delta R.T.: -0.010 min
Response: 3245449
Conc: 21.23 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.373 min
Delta R.T.: -0.011 min
Response: 3222814
Conc: 21.22 ug/ml m



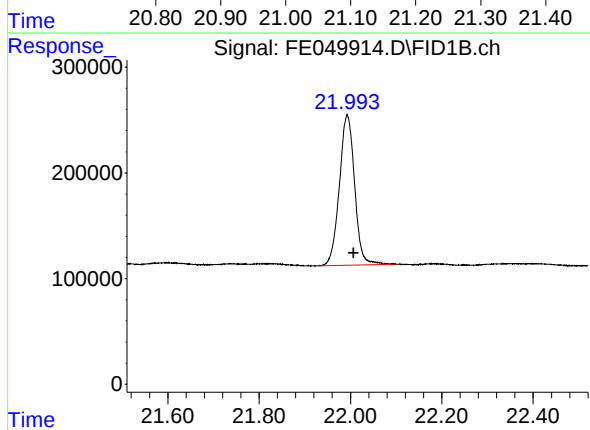
#21 n-Octatriacontane (C38)

R.T.: 21.101 min
Delta R.T.: -0.011 min
Response: 3278184
Conc: 20.89 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.993 min
Delta R.T.: -0.014 min
Response: 3296760
Conc: 21.59 ug/ml