

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE011224AL\
 Data File : FE046186.D
 Signal(s) : FID1B.ch
 Acq On : 12 Jan 2024 11:33
 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 :Ankita Jodhani 01/15/2024
 Supervised By :Sohil Jodhani 01/16/2024

Integration File: autoint1.e
 Quant Time: Jan 13 04:35:30 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 122923.M
 Quant Title : GC Extractables
 QLast Update : Fri Dec 29 03:49:54 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)	11.832	3386460	18.635 ug/ml
Spiked Amount 50.000		Recovery =	37.27%
12) S 1-chlorooctadecane (S...	13.276	2551332	19.095 ug/ml
Spiked Amount 50.000		Recovery =	38.19%
Target Compounds			
1) T n-Nonane (C9)	3.209	2610629	17.058 ug/mlm
2) T n-Decane (C10)	4.461	2697334	17.380 ug/ml
3) T A~Naphthalene (C11.7)	6.165	2892322	17.392 ug/ml
4) T n-Dodecane (C12)	6.630	2733475	17.507 ug/ml
5) T A~2-methylnaphthalene...	7.262	2778098	17.449 ug/ml
6) T n-Tetradecane (C14)	8.457	2777002	17.827 ug/ml
7) T n-Hexadecane (C16)	10.071	2864587	18.089 ug/ml
8) T n-Octadecane (C18)	11.516	2972299	18.885 ug/ml
10) T n-Eicosane (C20)	12.830	2902153	19.184 ug/ml
11) T n-Heneicosane (C21)	13.443	2813276	19.131 ug/ml
13) T n-Docosane (C22)	14.030	2905825	19.880 ug/ml
14) T n-Tetracosane (C24)	15.137	3210827	22.139 ug/ml
15) T n-Hexacosane (C26)	16.160	3163181	22.063 ug/ml
16) T n-Octacosane (C28)	17.112	3291256	22.949 ug/ml
17) T n-Tricontane (C30)	18.004	3501097	23.555 ug/ml
18) T n-Dotriacontane (C32)	18.839	3481889	23.281 ug/ml
19) T n-Tetratriacontane (C34)	19.625	3182923	22.218 ug/ml
20) T n-Hexatriacontane (C36)	20.368	2881308	19.762 ug/ml
21) T n-Octatriacontane (C38)	21.099	2771488	18.795 ug/ml
22) T n-Tetracontane (C40)	21.994	2766533	17.675 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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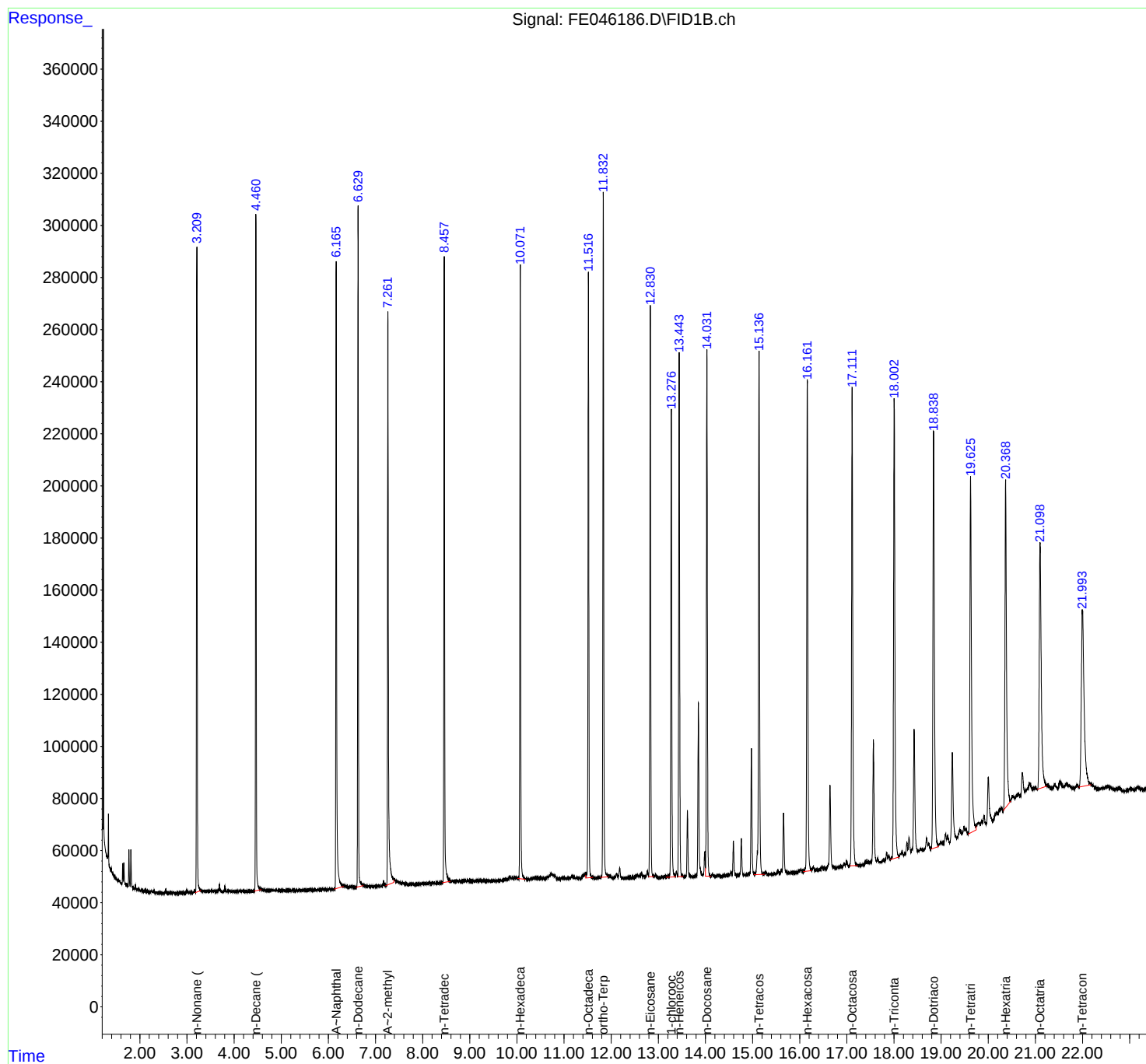
Instrument :
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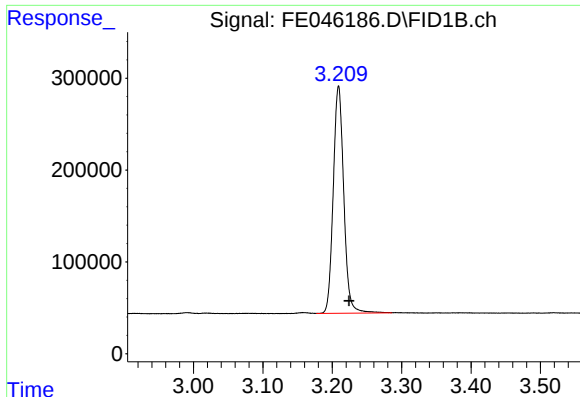
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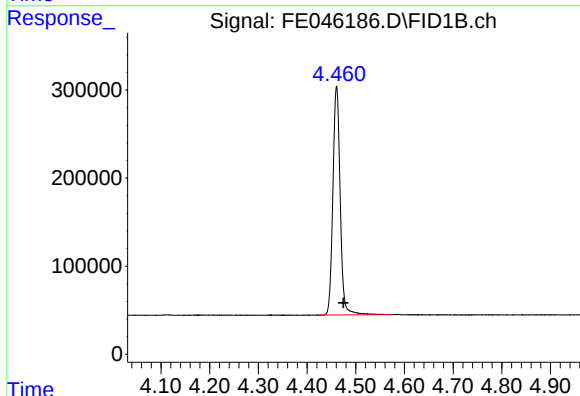
#1 n-Nonane (C9)

R.T.: 3.209 min
Delta R.T.: -0.015 min
Response: 2610629
Conc: 17.06 ug/ml

Instrument :
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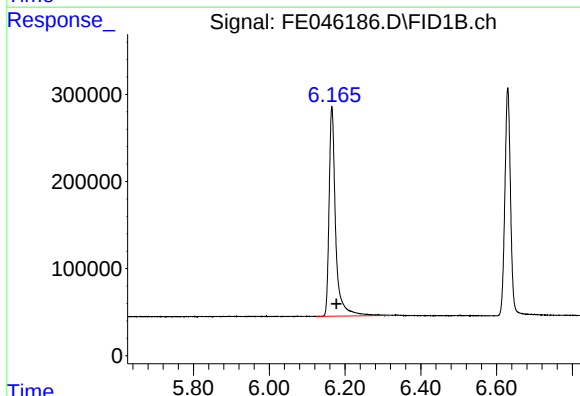
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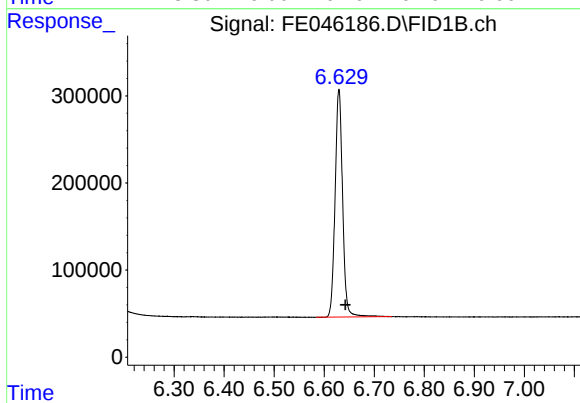
#2 n-Decane (C10)

R.T.: 4.461 min
Delta R.T.: -0.014 min
Response: 2697334
Conc: 17.38 ug/ml



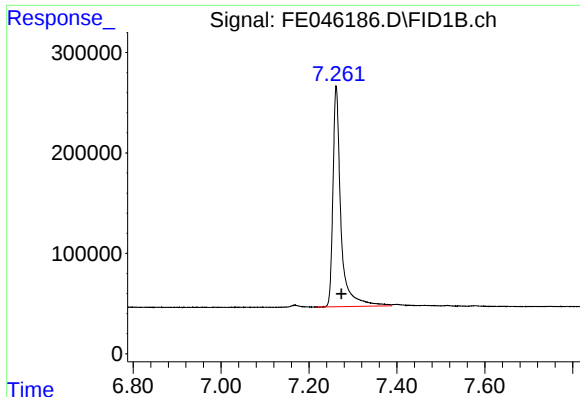
#3 A~Naphthalene (C11.7)

R.T.: 6.165 min
Delta R.T.: -0.012 min
Response: 2892322
Conc: 17.39 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.630 min
Delta R.T.: -0.013 min
Response: 2733475
Conc: 17.51 ug/ml



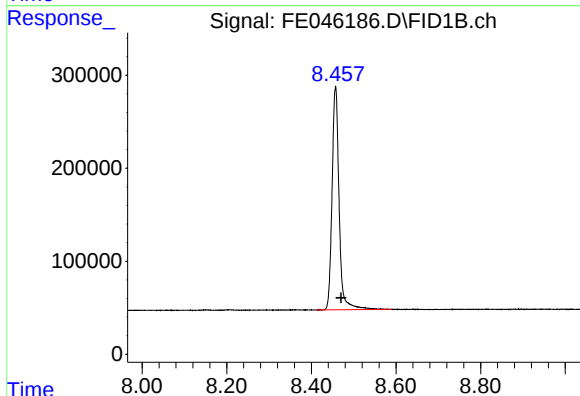
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.262 min
Delta R.T.: -0.012 min
Response: 2778098
Conc: 17.45 ug/ml

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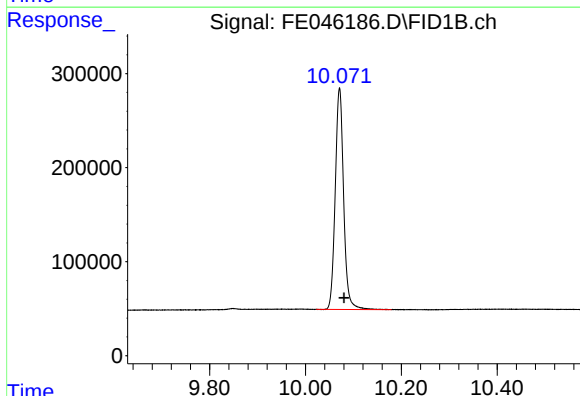
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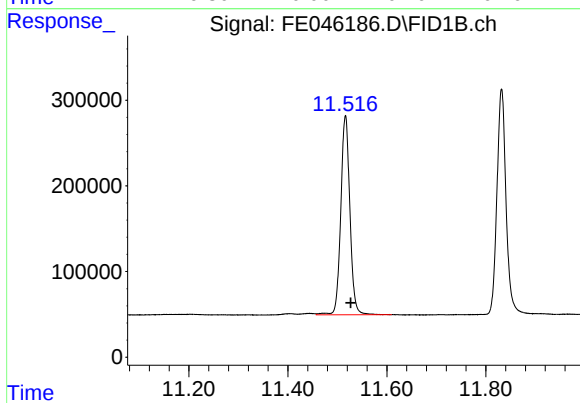
#6 n-Tetradecane (C14)

R.T.: 8.457 min
Delta R.T.: -0.013 min
Response: 2777002
Conc: 17.83 ug/ml



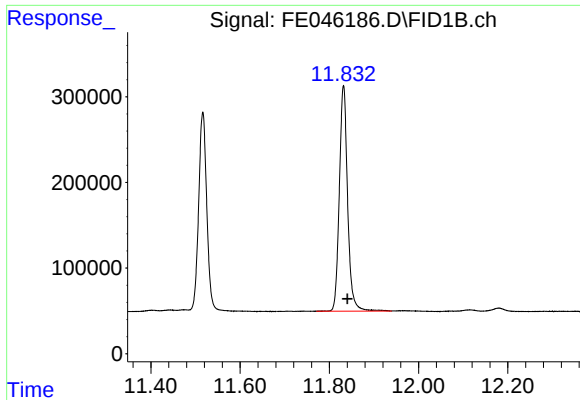
#7 n-Hexadecane (C16)

R.T.: 10.071 min
Delta R.T.: -0.009 min
Response: 2864587
Conc: 18.09 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.516 min
Delta R.T.: -0.010 min
Response: 2972299
Conc: 18.88 ug/ml



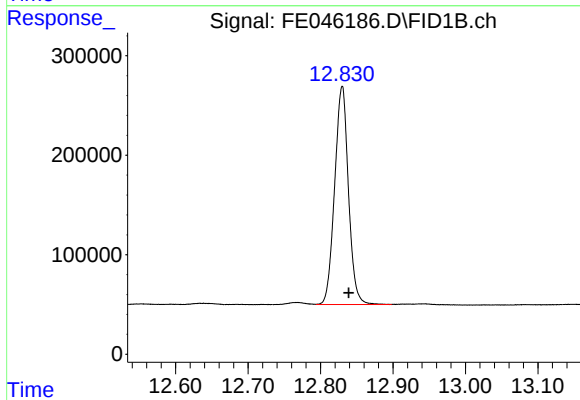
#9 ortho-Terphenyl (SURR)

R.T.: 11.832 min
Delta R.T.: -0.008 min
Response: 3386460
Conc: 18.64 ug/ml

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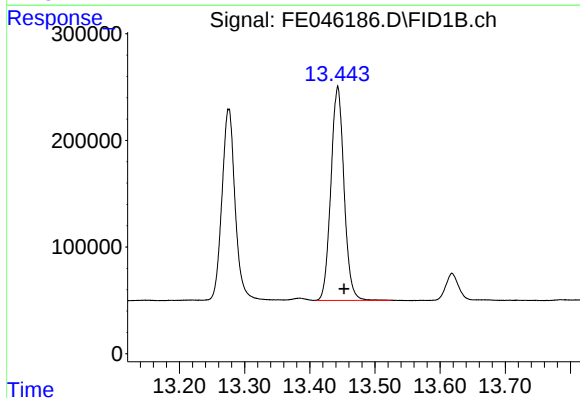
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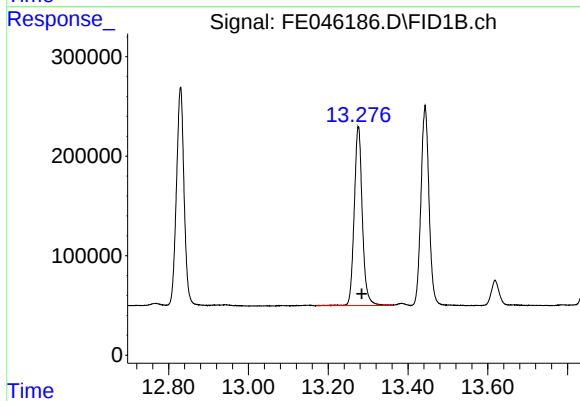
#10 n-Eicosane (C20)

R.T.: 12.830 min
Delta R.T.: -0.009 min
Response: 2902153
Conc: 19.18 ug/ml



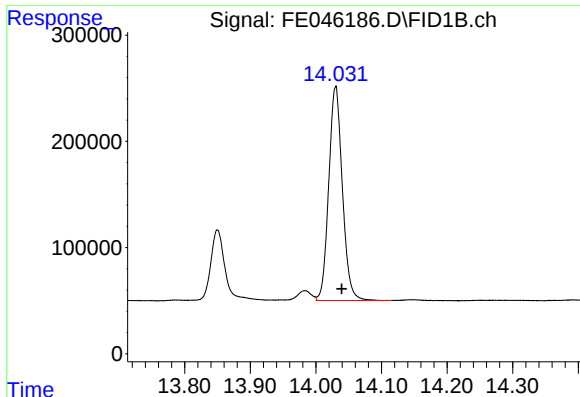
#11 n-Heneicosane (C21)

R.T.: 13.443 min
Delta R.T.: -0.010 min
Response: 2813276
Conc: 19.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.276 min
Delta R.T.: -0.009 min
Response: 2551332
Conc: 19.10 ug/ml



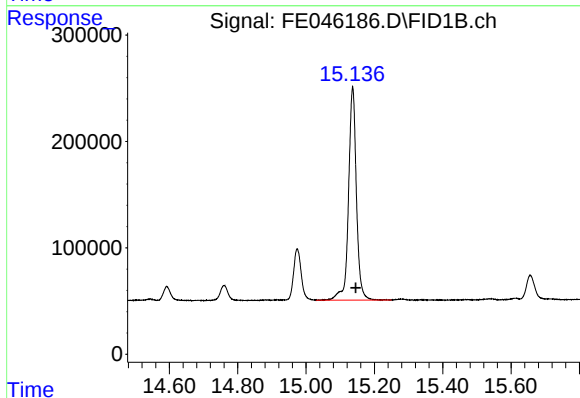
#13 n-Docosane (C22)

R.T.: 14.030 min
Delta R.T.: -0.009 min
Response: 2905825
Conc: 19.88 ug/ml

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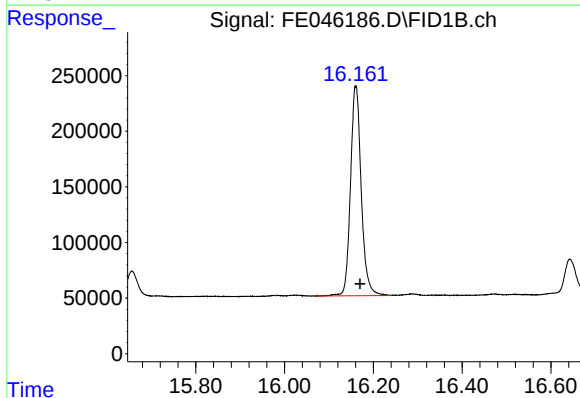
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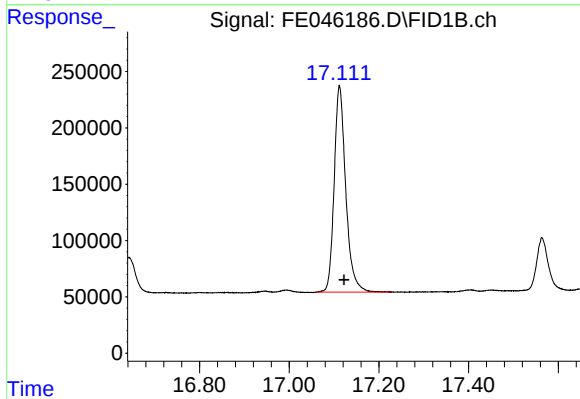
#14 n-Tetracosane (C24)

R.T.: 15.137 min
Delta R.T.: -0.009 min
Response: 3210827
Conc: 22.14 ug/ml



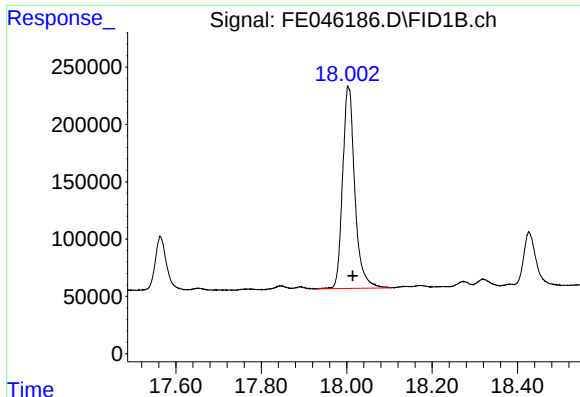
#15 n-Hexacosane (C26)

R.T.: 16.160 min
Delta R.T.: -0.009 min
Response: 3163181
Conc: 22.06 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.011 min
Response: 3291256
Conc: 22.95 ug/ml



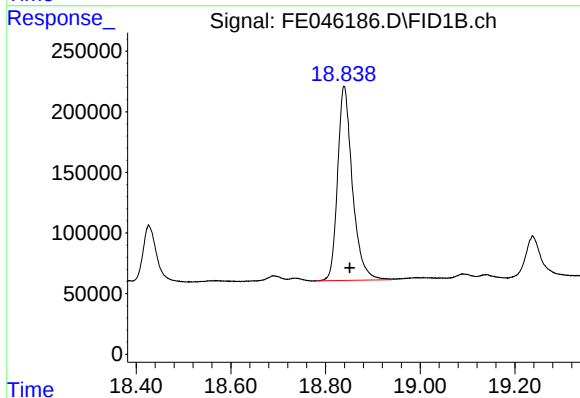
#17 n-Tricontane (C30)

R.T.: 18.004 min
Delta R.T.: -0.010 min
Response: 3501097
Conc: 23.55 ug/ml

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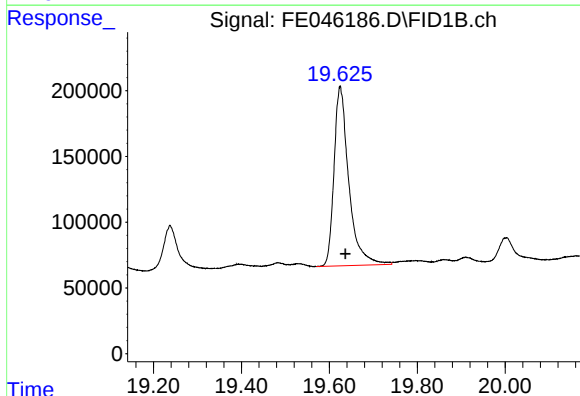
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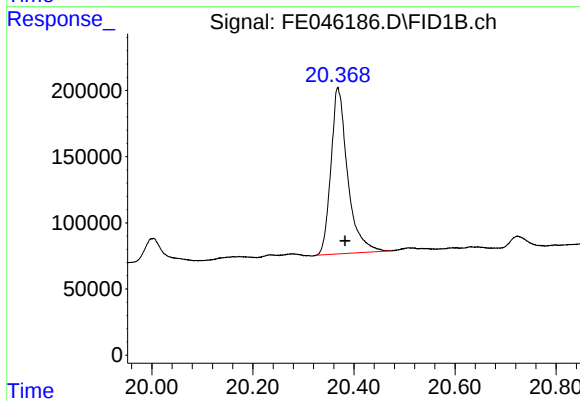
#18 n-Dotriacontane (C32)

R.T.: 18.839 min
Delta R.T.: -0.012 min
Response: 3481889
Conc: 23.28 ug/ml



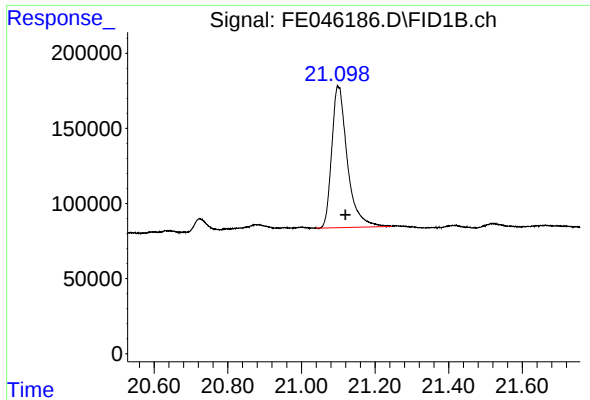
#19 n-Tetratriacontane (C34)

R.T.: 19.625 min
Delta R.T.: -0.012 min
Response: 3182923
Conc: 22.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.368 min
Delta R.T.: -0.014 min
Response: 2881308
Conc: 19.76 ug/ml



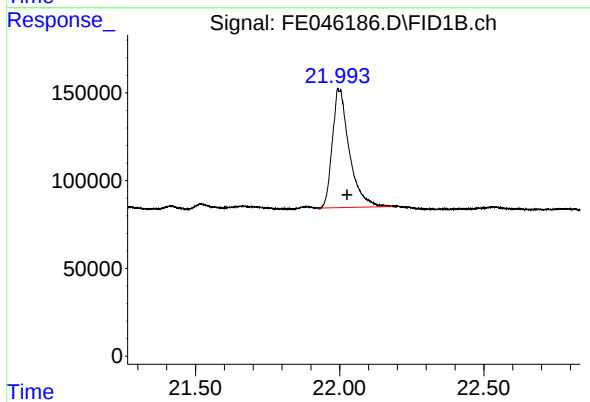
#21 n-Octatriacontane (C38)

R.T.: 21.099 min
Delta R.T.: -0.021 min
Response: 2771488
Conc: 18.80 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.994 min
Delta R.T.: -0.032 min
Response: 2766533
Conc: 17.67 ug/ml