

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE050124AL\
 Data File : FE047904.D
 Signal(s) : FID1B.ch
 Acq On : 01 May 2024 13:14
 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 05/02/2024
 Supervised By :mohammad ahmed 05/02/2024

Integration File: autoint1.e
 Quant Time: May 02 02:11:59 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 042724.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 29 03:29:12 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)	11.975	2846099	19.728 ug/ml
Spiked Amount 50.000		Recovery =	39.46%
12) S 1-chlorooctadecane (S...	13.408	2204789	19.731 ug/ml
Spiked Amount 50.000		Recovery =	39.46%
Target Compounds			
1) T n-Nonane (C9)	3.353	2549692	19.784 ug/ml
2) T n-Decane (C10)	4.606	2629254	19.971 ug/ml
3) T A~Naphthalene (C11.7)	6.314	2762263	20.004 ug/ml
4) T n-Dodecane (C12)	6.772	2657879	19.937 ug/ml
5) T A~2-methylnaphthalene...	7.410	2659148	19.982 ug/ml
6) T n-Tetradecane (C14)	8.601	2630487	19.849 ug/ml
7) T n-Hexadecane (C16)	10.210	2725645	19.818 ug/ml
8) T n-Octadecane (C18)	11.653	2760498	19.817 ug/ml
10) T n-Eicosane (C20)	12.962	2680076	19.905 ug/ml
11) T n-Heneicosane (C21)	13.574	2618635	19.782 ug/ml
13) T n-Docosane (C22)	14.161	2672198	20.164 ug/ml
14) T n-Tetracosane (C24)	15.264	2784230	20.910 ug/ml
15) T n-Hexacosane (C26)	16.284	2856974	21.410 ug/ml
16) T n-Octacosane (C28)	17.233	2940595	22.085 ug/ml
17) T n-Tricontane (C30)	18.121	3102923	22.483 ug/mlm
18) T n-Dotriacontane (C32)	18.952	3075419	22.265 ug/ml
19) T n-Tetratriacontane (C34)	19.737	2860072	20.996 ug/ml
20) T n-Hexatriacontane (C36)	20.475	2791529	20.617 ug/ml
21) T n-Octatriacontane (C38)	21.219	2754815	19.953 ug/ml
22) T n-Tetracontane (C40)	22.150	2598682	18.652 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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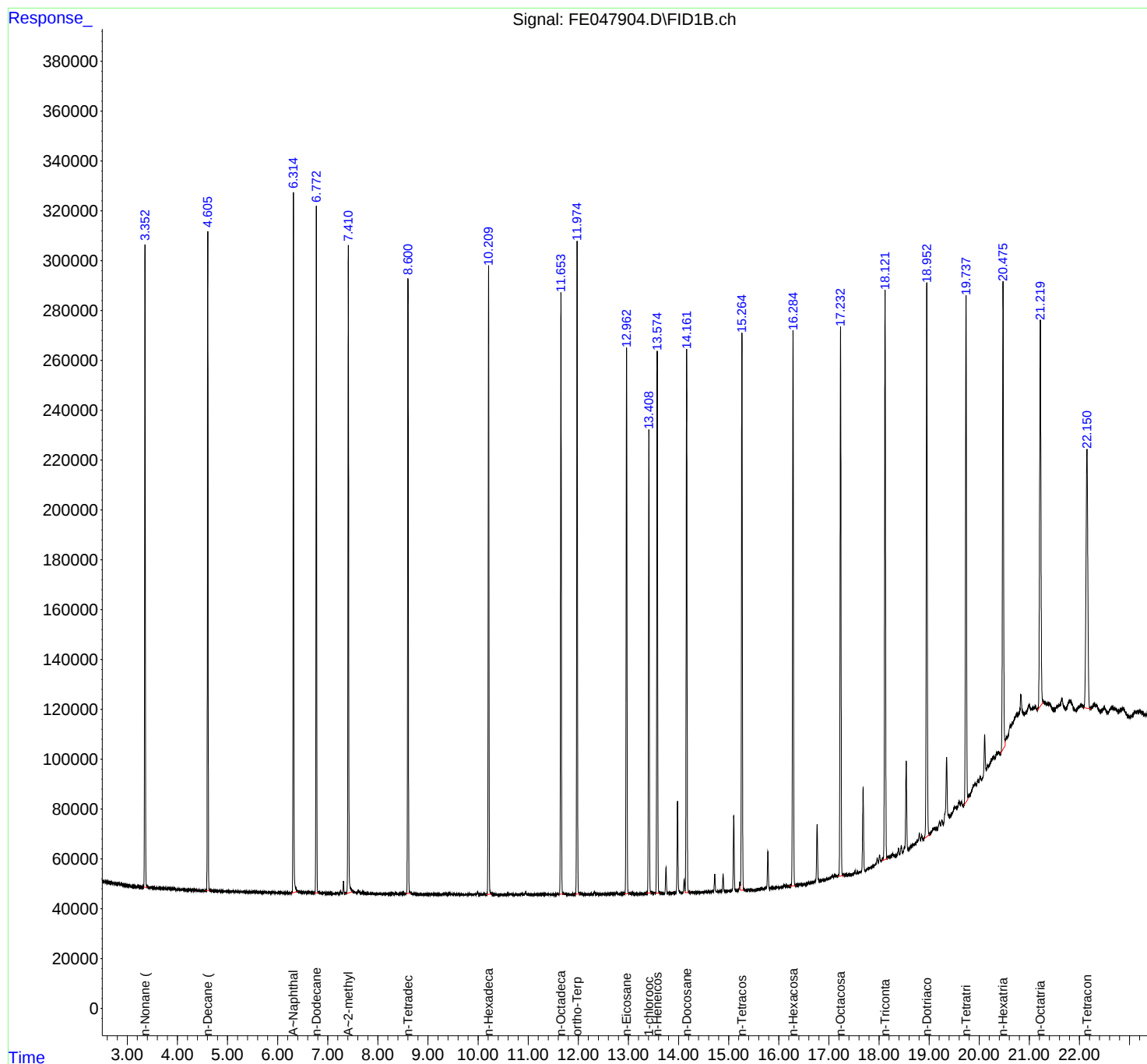
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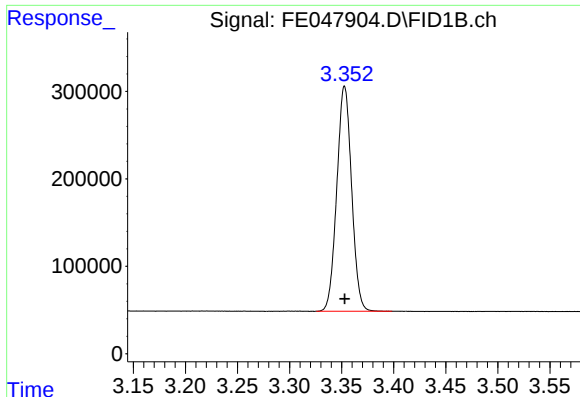
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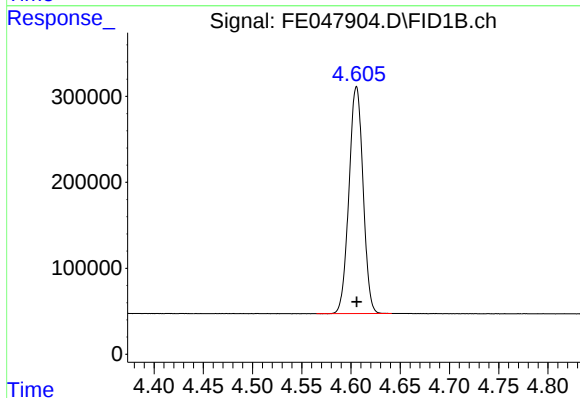
#1 n-Nonane (C9)

R.T.: 3.353 min
Delta R.T.: 0.000 min
Response: 2549692
Conc: 19.78 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

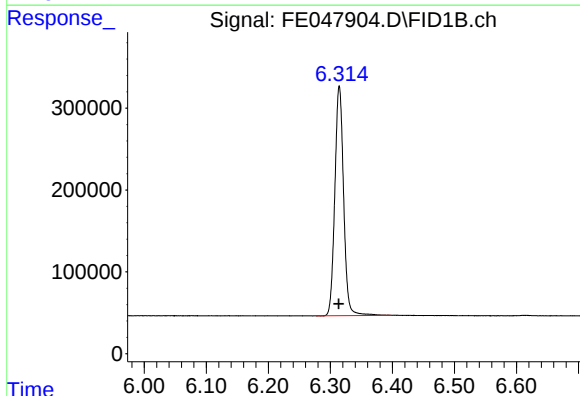
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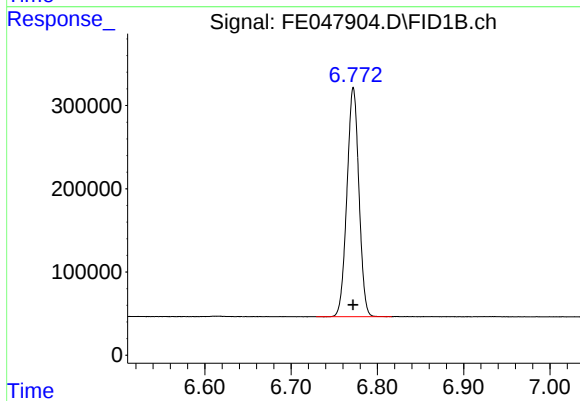
#2 n-Decane (C10)

R.T.: 4.606 min
Delta R.T.: 0.000 min
Response: 2629254
Conc: 19.97 ug/ml



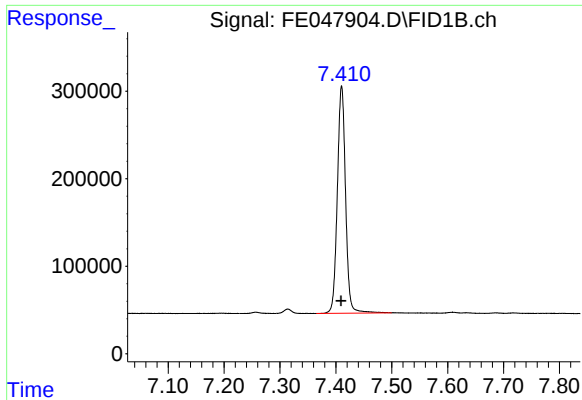
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.000 min
Response: 2762263
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.772 min
Delta R.T.: 0.000 min
Response: 2657879
Conc: 19.94 ug/ml



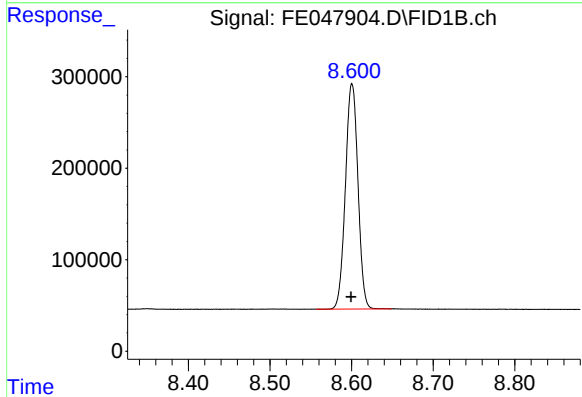
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.410 min
Delta R.T.: 0.001 min
Response: 2659148
Conc: 19.98 ug/ml

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20 PPM ALIPHATIC HC STD

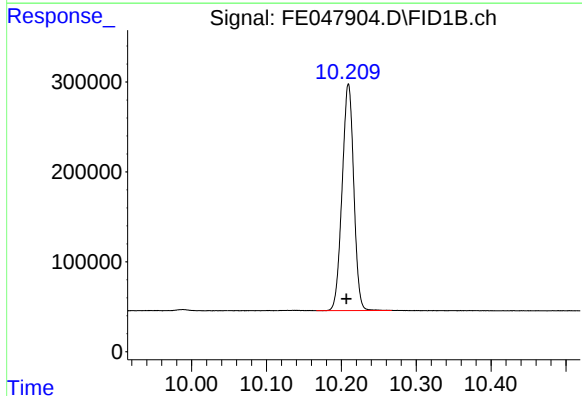
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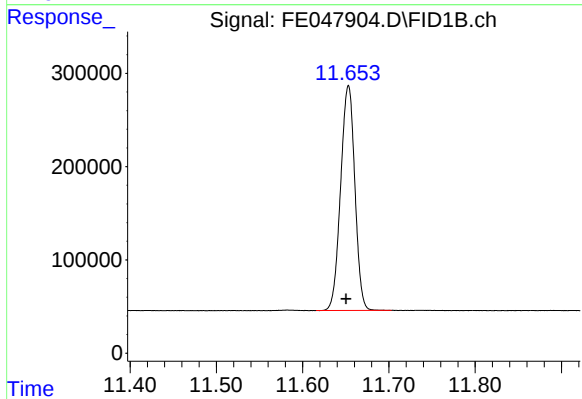
#6 n-Tetradecane (C14)

R.T.: 8.601 min
Delta R.T.: 0.001 min
Response: 2630487
Conc: 19.85 ug/ml



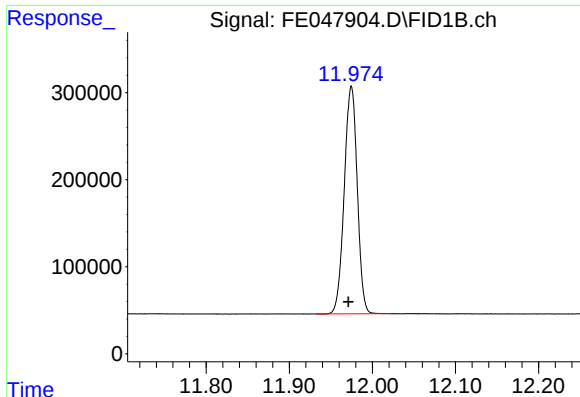
#7 n-Hexadecane (C16)

R.T.: 10.210 min
Delta R.T.: 0.003 min
Response: 2725645
Conc: 19.82 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.653 min
Delta R.T.: 0.003 min
Response: 2760498
Conc: 19.82 ug/ml



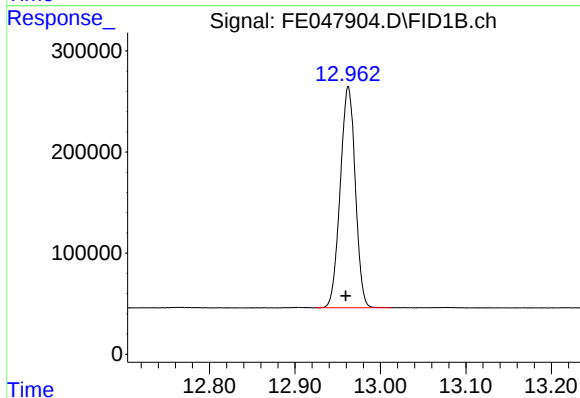
#9 ortho-Terphenyl (SURR)

R.T.: 11.975 min
Delta R.T.: 0.004 min
Response: 2846099
Conc: 19.73 ug/ml

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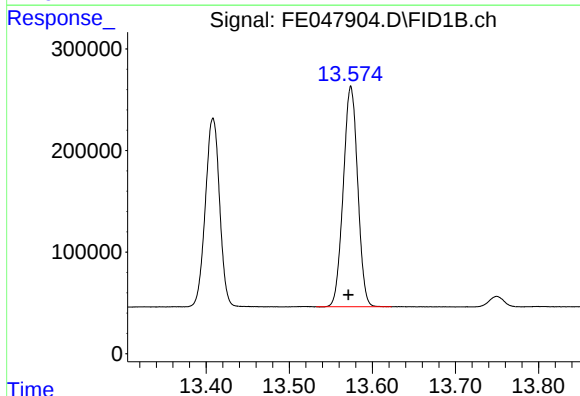
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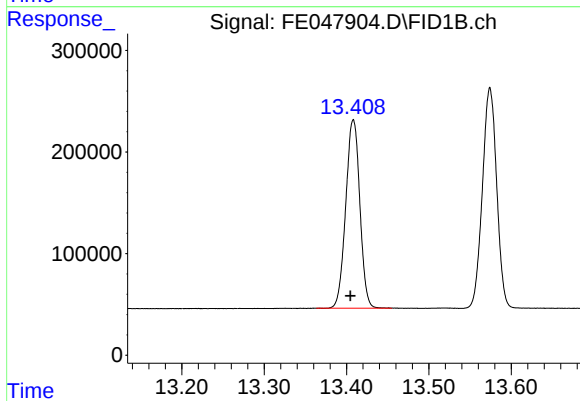
#10 n-Eicosane (C20)

R.T.: 12.962 min
Delta R.T.: 0.003 min
Response: 2680076
Conc: 19.90 ug/ml



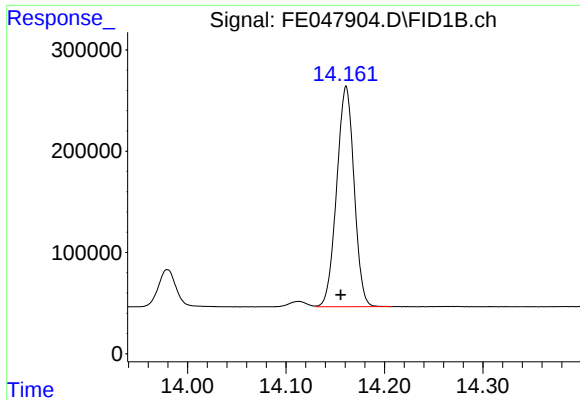
#11 n-Heneicosane (C21)

R.T.: 13.574 min
Delta R.T.: 0.003 min
Response: 2618635
Conc: 19.78 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.408 min
Delta R.T.: 0.003 min
Response: 2204789
Conc: 19.73 ug/ml



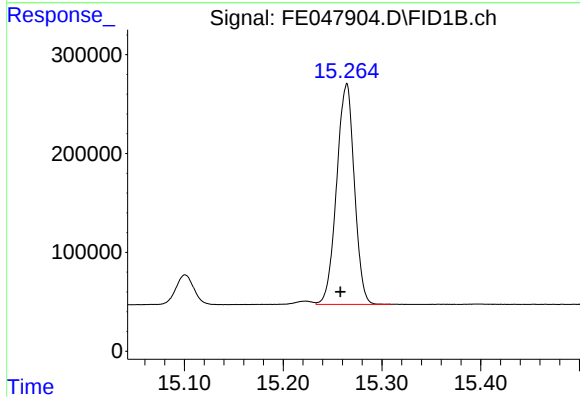
#13 n-Docosane (C22)

R.T.: 14.161 min
Delta R.T.: 0.006 min
Response: 2672198
Conc: 20.16 ug/ml

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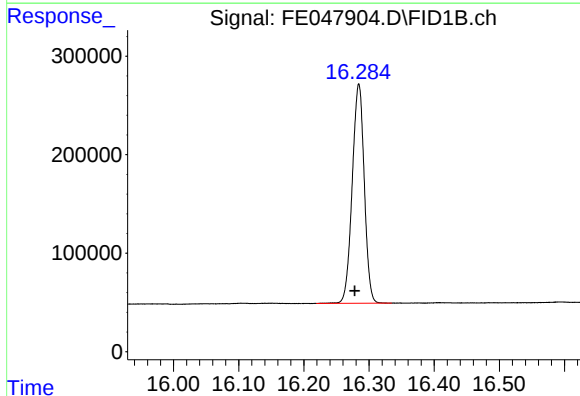
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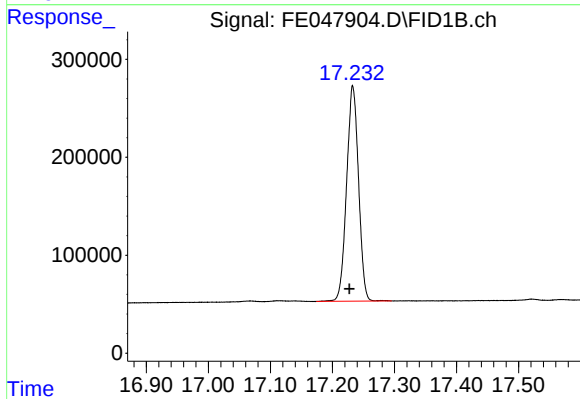
#14 n-Tetracosane (C24)

R.T.: 15.264 min
Delta R.T.: 0.006 min
Response: 2784230
Conc: 20.91 ug/ml



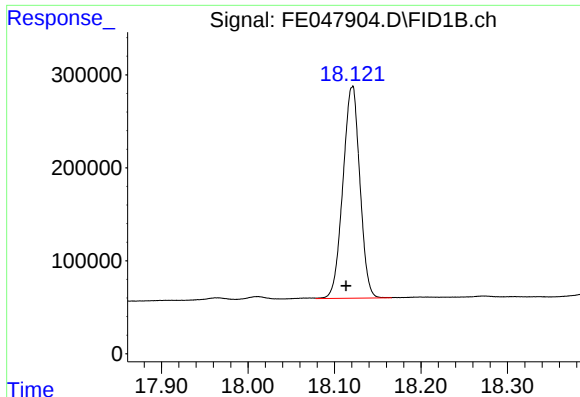
#15 n-Hexacosane (C26)

R.T.: 16.284 min
Delta R.T.: 0.007 min
Response: 2856974
Conc: 21.41 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.233 min
Delta R.T.: 0.006 min
Response: 2940595
Conc: 22.09 ug/ml



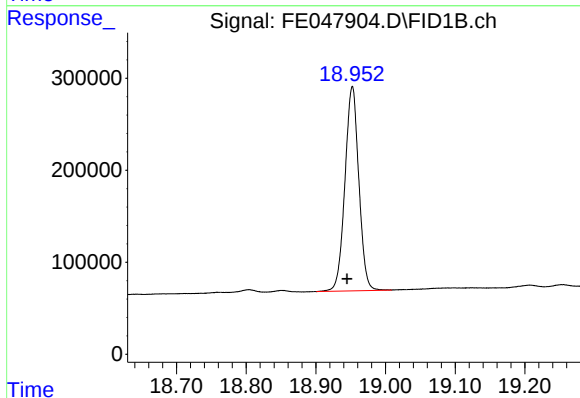
#17 n-Tricontane (C30)

R.T.: 18.121 min
Delta R.T.: 0.008 min
Response: 3102923
Conc: 22.48 ug/ml

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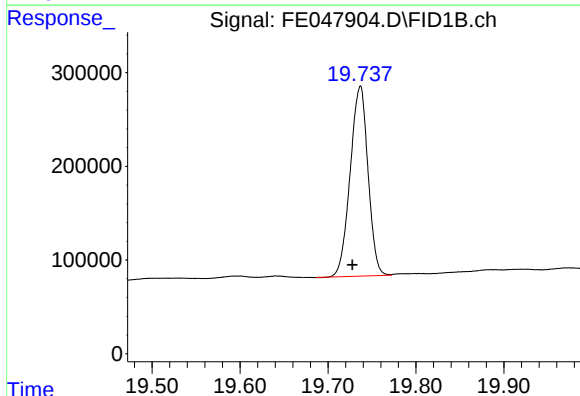
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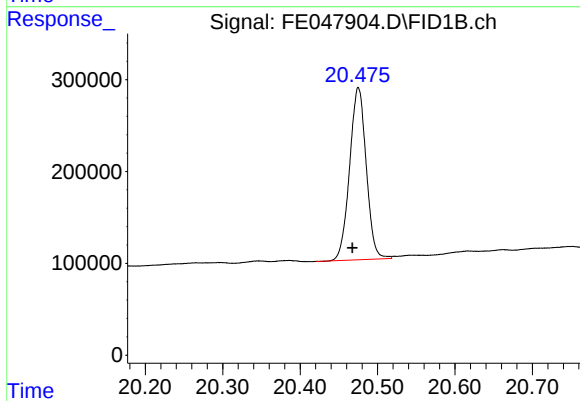
#18 n-Dotriacontane (C32)

R.T.: 18.952 min
Delta R.T.: 0.008 min
Response: 3075419
Conc: 22.27 ug/ml



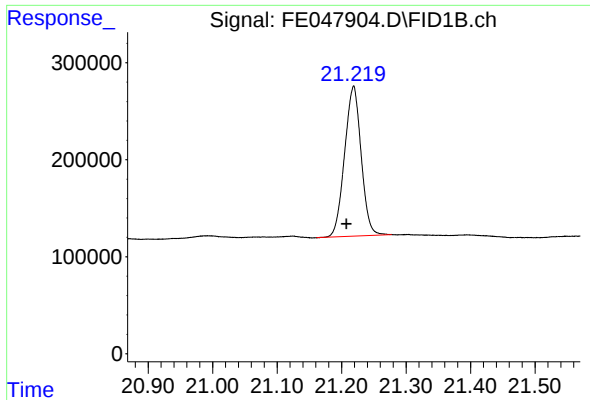
#19 n-Tetratriacontane (C34)

R.T.: 19.737 min
Delta R.T.: 0.009 min
Response: 2860072
Conc: 21.00 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.475 min
Delta R.T.: 0.008 min
Response: 2791529
Conc: 20.62 ug/ml



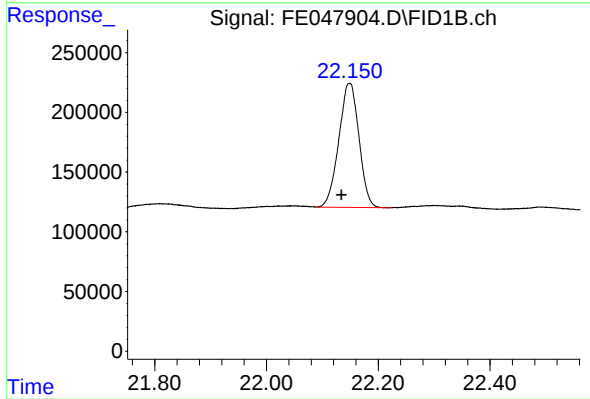
#21 n-Octatriacontane (C38)

R.T.: 21.219 min
Delta R.T.: 0.011 min
Response: 2754815
Conc: 19.95 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.150 min
Delta R.T.: 0.016 min
Response: 2598682
Conc: 18.65 ug/ml m