

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE070124AL\
 Data File : FE048948.D
 Signal(s) : FID1B.ch
 Acq On : 01 Jul 2024 15:33
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/02/2024
 Supervised By :Ankita Jodhani 07/02/2024

Integration File: autoint1.e
 Quant Time: Jul 02 01:44:41 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 062124.M
 Quant Title : GC Extractables
 QLast Update : Thu Jun 20 17:53:58 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)	11.934	2809630	16.803 ug/ml
Spiked Amount 50.000		Recovery =	33.61%
12) S 1-chlorooctadecane (S...	13.369	2136213	16.613 ug/ml
Spiked Amount 50.000		Recovery =	33.23%
Target Compounds			
1) T n-Nonane (C9)	3.321	2783545	18.515 ug/ml
2) T n-Decane (C10)	4.570	2822359	18.340 ug/ml
3) T A~Naphthalene (C11.7)	6.277	2869525	18.075 ug/ml
4) T n-Dodecane (C12)	6.736	2799475	18.134 ug/ml
5) T A~2-methylnaphthalene...	7.373	2709018	17.889 ug/ml
6) T n-Tetradecane (C14)	8.564	2737111	17.859 ug/ml
7) T n-Hexadecane (C16)	10.171	2776112	17.755 ug/ml
8) T n-Octadecane (C18)	11.614	2754826	17.273 ug/ml
10) T n-Eicosane (C20)	12.924	2618227	16.888 ug/ml
11) T n-Heneicosane (C21)	13.535	2569921	16.878 ug/ml
13) T n-Docosane (C22)	14.121	2535277	16.764 ug/ml
14) T n-Tetracosane (C24)	15.223	2529197	16.830 ug/ml
15) T n-Hexacosane (C26)	16.243	2506835	16.980 ug/ml
16) T n-Octacosane (C28)	17.193	2448468	16.978 ug/ml
17) T n-Tricontane (C30)	18.080	2526863	17.272 ug/ml
18) T n-Dotriacontane (C32)	18.912	2487006	17.394 ug/ml
19) T n-Tetratriacontane (C34)	19.696	2489164	17.989 ug/mlm
20) T n-Hexatriacontane (C36)	20.437	2444185	18.806 ug/ml
21) T n-Octatriacontane (C38)	21.173	2615555	20.403 ug/ml
22) T n-Tetracontane (C40)	22.088	2642476	21.578 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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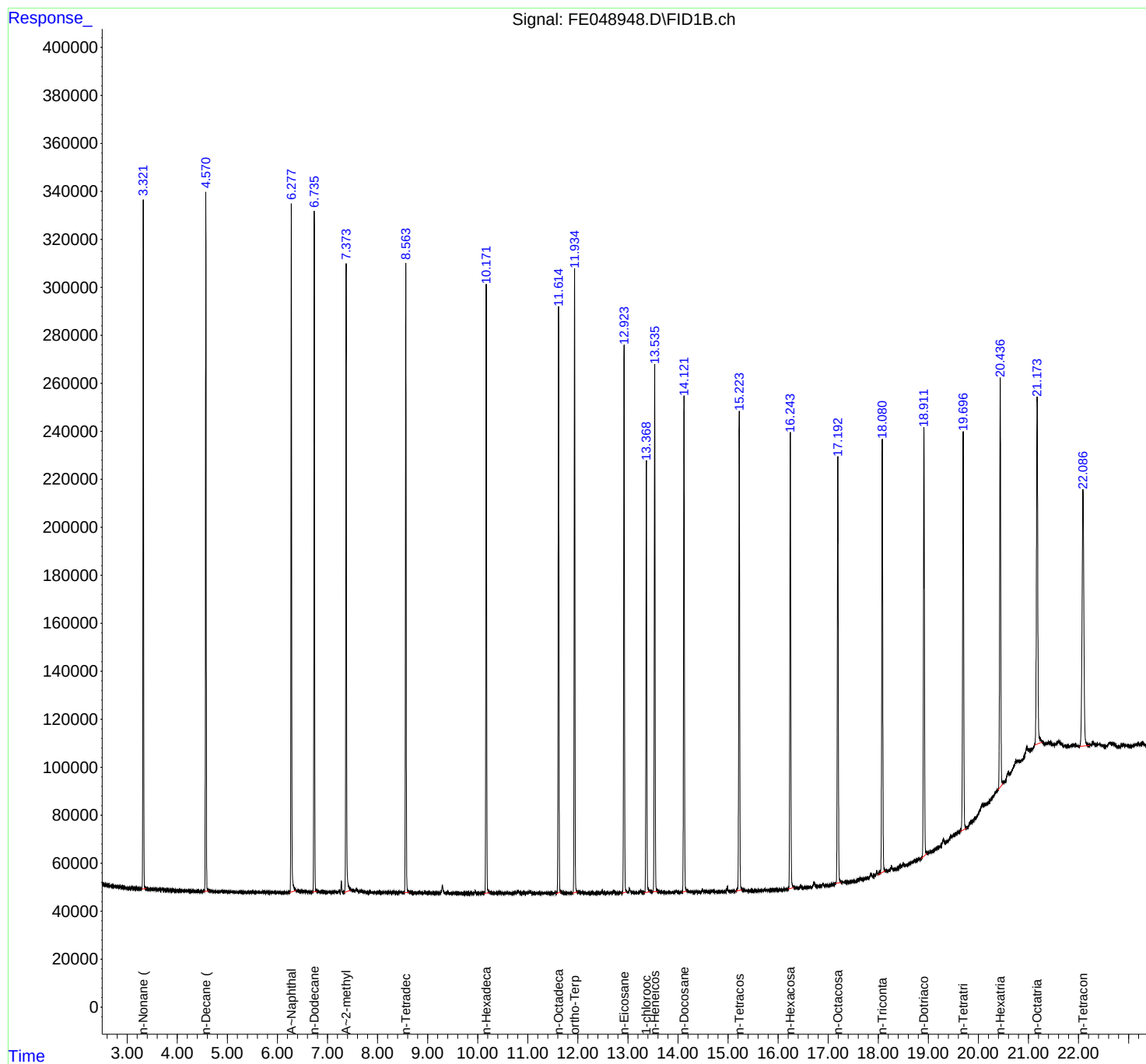
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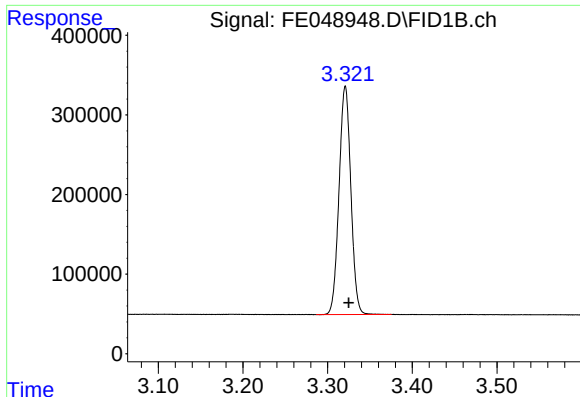
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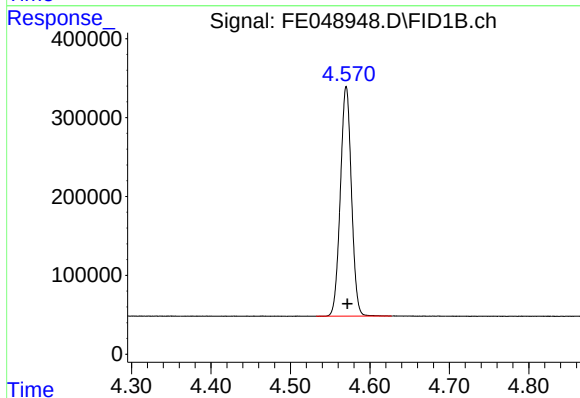
#1 n-Nonane (C9)

R.T.: 3.321 min
Delta R.T.: -0.004 min
Response: 2783545
Conc: 18.51 ug/ml

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20 PPM ALIPHATIC HC STD

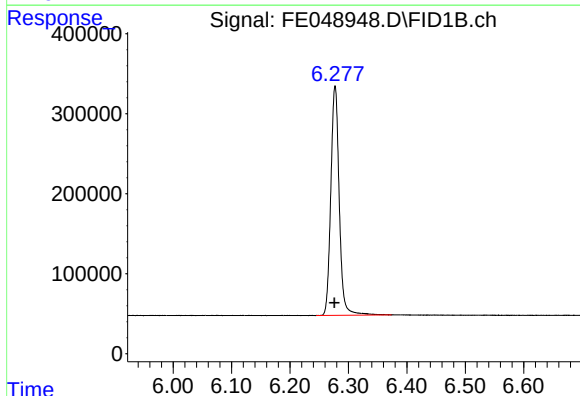
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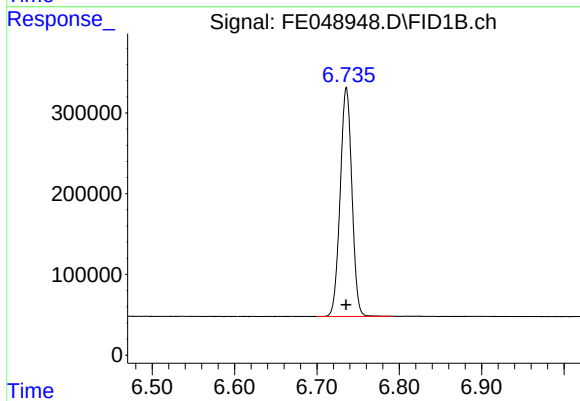
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: -0.001 min
Response: 2822359
Conc: 18.34 ug/ml



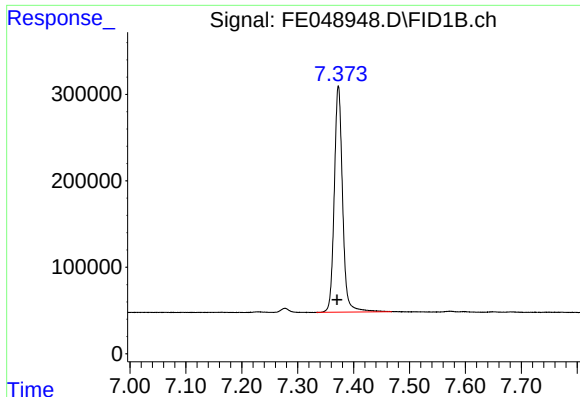
#3 A~Naphthalene (C11.7)

R.T.: 6.277 min
Delta R.T.: 0.001 min
Response: 2869525
Conc: 18.08 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: 0.000 min
Response: 2799475
Conc: 18.13 ug/ml



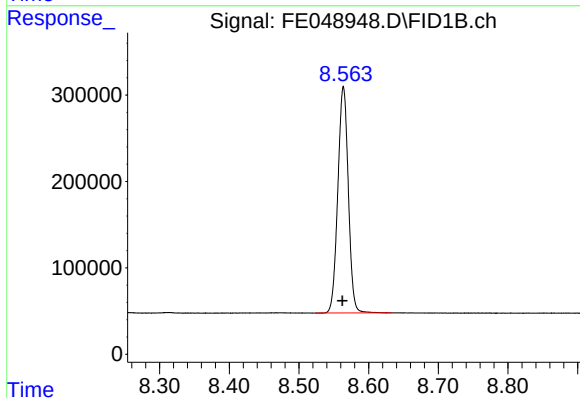
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.373 min
Delta R.T.: 0.002 min
Response: 2709018
Conc: 17.89 ug/ml

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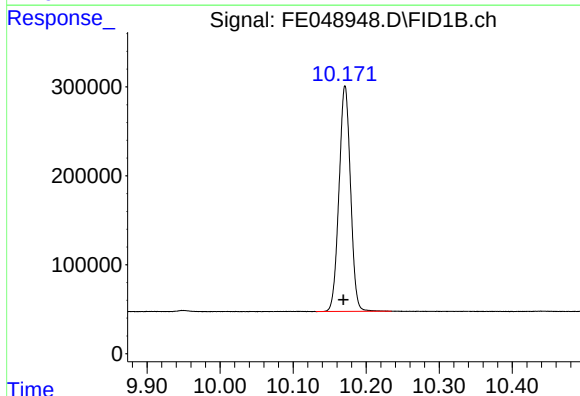
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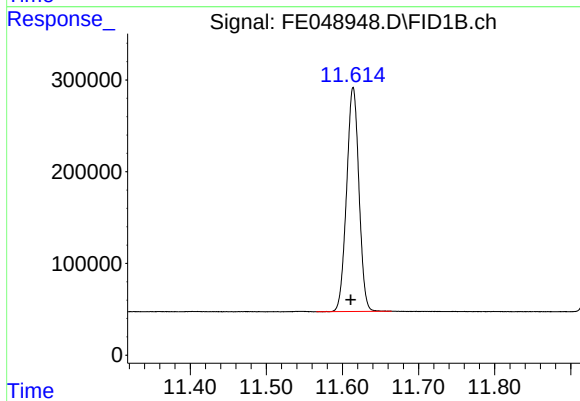
#6 n-Tetradecane (C14)

R.T.: 8.564 min
Delta R.T.: 0.001 min
Response: 2737111
Conc: 17.86 ug/ml



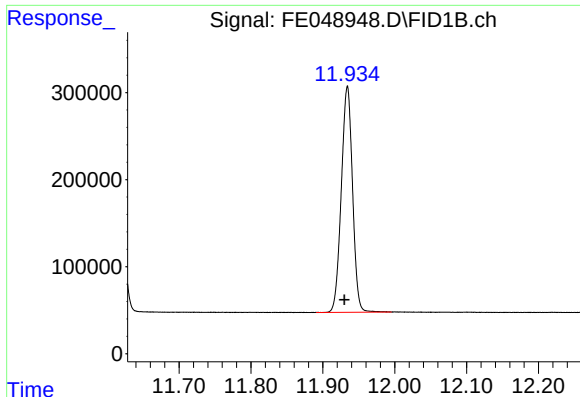
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: 0.002 min
Response: 2776112
Conc: 17.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.614 min
Delta R.T.: 0.003 min
Response: 2754826
Conc: 17.27 ug/ml



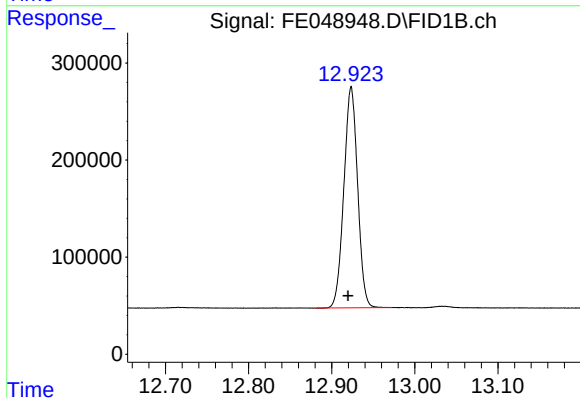
#9 ortho-Terphenyl (SURR)

R.T.: 11.934 min
Delta R.T.: 0.005 min
Response: 2809630
Conc: 16.80 ug/ml

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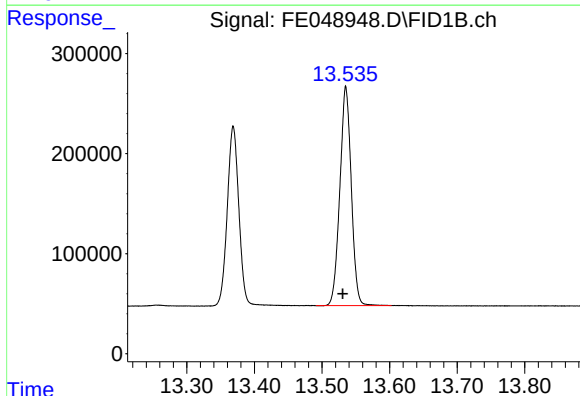
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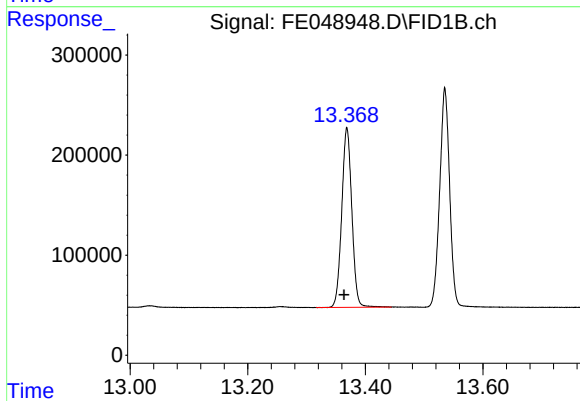
#10 n-Eicosane (C20)

R.T.: 12.924 min
Delta R.T.: 0.004 min
Response: 2618227
Conc: 16.89 ug/ml



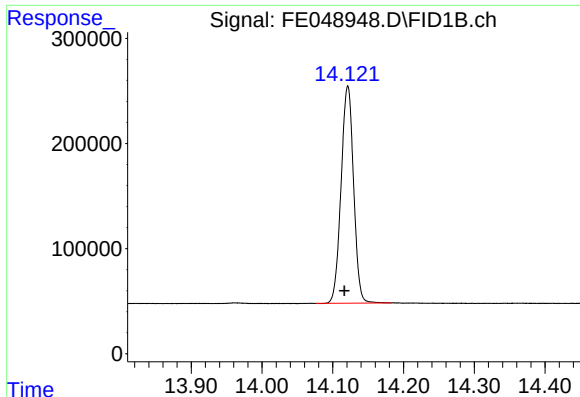
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: 0.004 min
Response: 2569921
Conc: 16.88 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.369 min
Delta R.T.: 0.005 min
Response: 2136213
Conc: 16.61 ug/ml



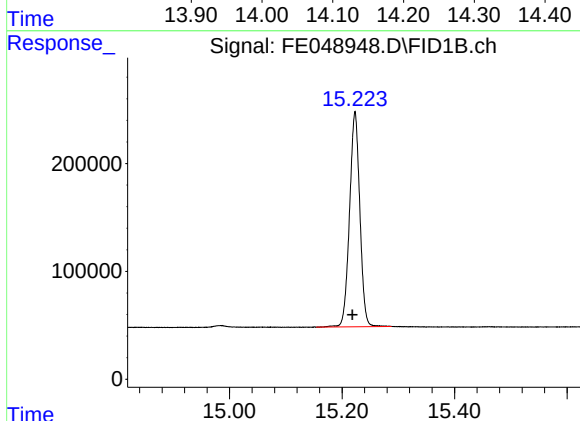
#13 n-Docosane (C22)

R.T.: 14.121 min
Delta R.T.: 0.005 min
Response: 2535277
Conc: 16.76 ug/ml

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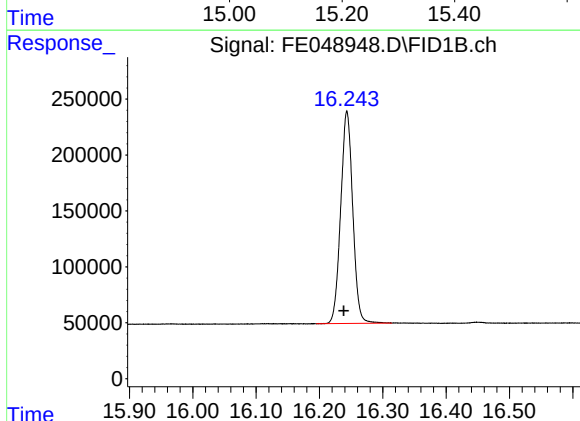
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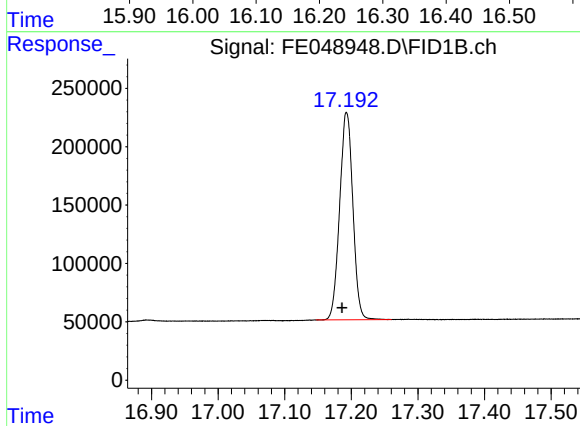
#14 n-Tetracosane (C24)

R.T.: 15.223 min
Delta R.T.: 0.005 min
Response: 2529197
Conc: 16.83 ug/ml



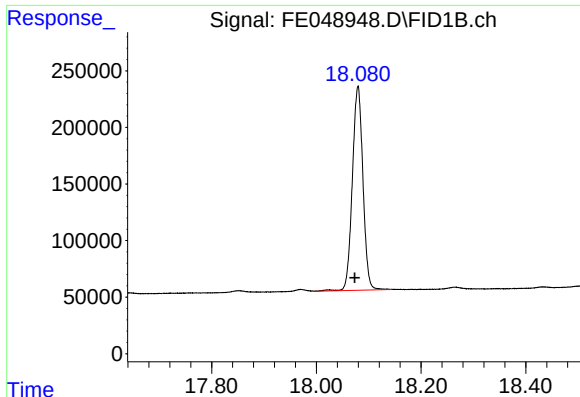
#15 n-Hexacosane (C26)

R.T.: 16.243 min
Delta R.T.: 0.005 min
Response: 2506835
Conc: 16.98 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.193 min
Delta R.T.: 0.007 min
Response: 2448468
Conc: 16.98 ug/ml



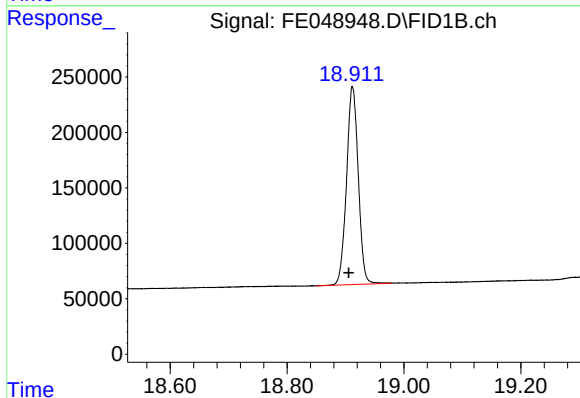
#17 n-Tricontane (C30)

R.T.: 18.080 min
Delta R.T.: 0.006 min
Response: 2526863
Conc: 17.27 ug/ml

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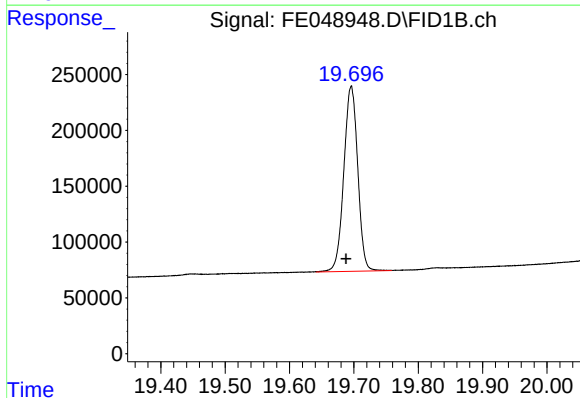
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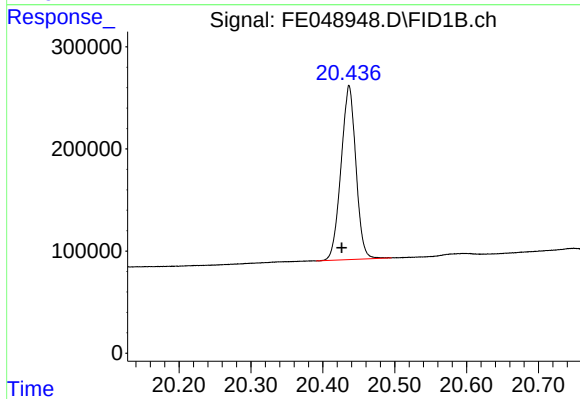
#18 n-Dotriacontane (C32)

R.T.: 18.912 min
Delta R.T.: 0.007 min
Response: 2487006
Conc: 17.39 ug/ml



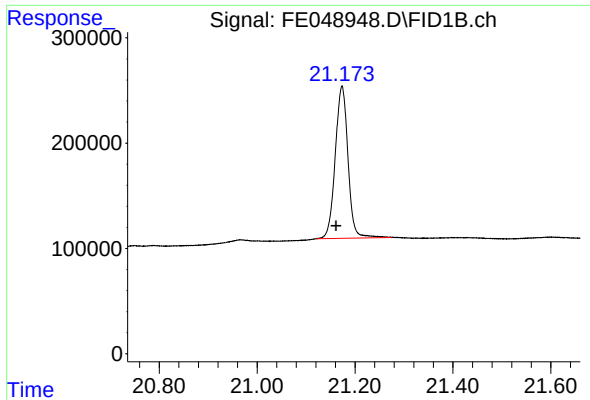
#19 n-Tetratriacontane (C34)

R.T.: 19.696 min
Delta R.T.: 0.008 min
Response: 2489164
Conc: 17.99 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: 0.010 min
Response: 2444185
Conc: 18.81 ug/ml



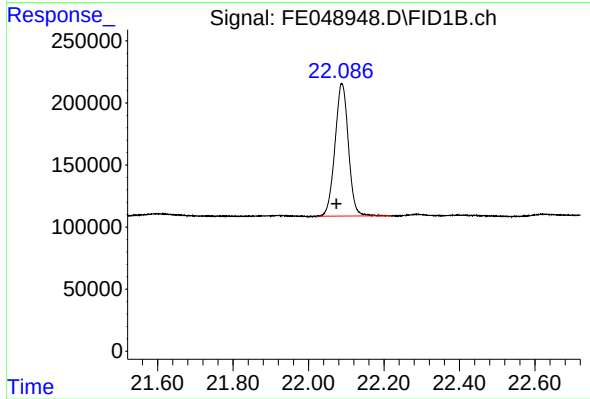
#21 n-Octatriacontane (C38)

R.T.: 21.173 min
Delta R.T.: 0.012 min
Response: 2615555
Conc: 20.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.088 min
Delta R.T.: 0.014 min
Response: 2642476
Conc: 21.58 ug/ml