

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090424AL\
 Data File : FE049923.D
 Signal(s) : FID1B.ch
 Acq On : 04 Sep 2024 18:40
 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 09/05/2024
 Supervised By :Ankita Jodhani 09/05/2024

Integration File: autoint1.e
 Quant Time: Sep 05 01:21:40 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)	11.877	2746211	16.982 ug/ml
Spiked Amount 50.000		Recovery =	33.96%
12) S 1-chlorooctadecane (S...	13.311	2104618	17.250 ug/ml
Spiked Amount 50.000		Recovery =	34.50%
Target Compounds			
1) T n-Nonane (C9)	3.267	2453121	15.852 ug/ml
2) T n-Decane (C10)	4.518	2588524	16.394 ug/ml
3) T A~Naphthalene (C11.7)	6.226	2614347	16.293 ug/ml
4) T n-Dodecane (C12)	6.685	2623122	16.686 ug/ml
5) T A~2-methylnaphthalene...	7.321	2504140	16.722 ug/ml
6) T n-Tetradecane (C14)	8.511	2582485	16.728 ug/ml
7) T n-Hexadecane (C16)	10.117	2659557	17.029 ug/ml
8) T n-Octadecane (C18)	11.559	2690145	17.129 ug/ml
10) T n-Eicosane (C20)	12.866	2579603	17.277 ug/ml
11) T n-Heneicosane (C21)	13.476	2525595	17.216 ug/ml
13) T n-Docosane (C22)	14.062	2528787	17.350 ug/mlm
14) T n-Tetracosane (C24)	15.165	2606771	17.920 ug/ml
15) T n-Hexacosane (C26)	16.184	2600955	18.022 ug/ml
16) T n-Octacosane (C28)	17.132	2736999	19.002 ug/ml
17) T n-Tricontane (C30)	18.020	3022759	20.192 ug/ml
18) T n-Dotriacontane (C32)	18.851	3135064	20.723 ug/ml
19) T n-Tetratriacontane (C34)	19.633	3042107	19.899 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2849574	18.765 ug/mlm
21) T n-Octatriacontane (C38)	21.098	2731339	17.402 ug/ml
22) T n-Tetracontane (C40)	21.987	2592560	16.980 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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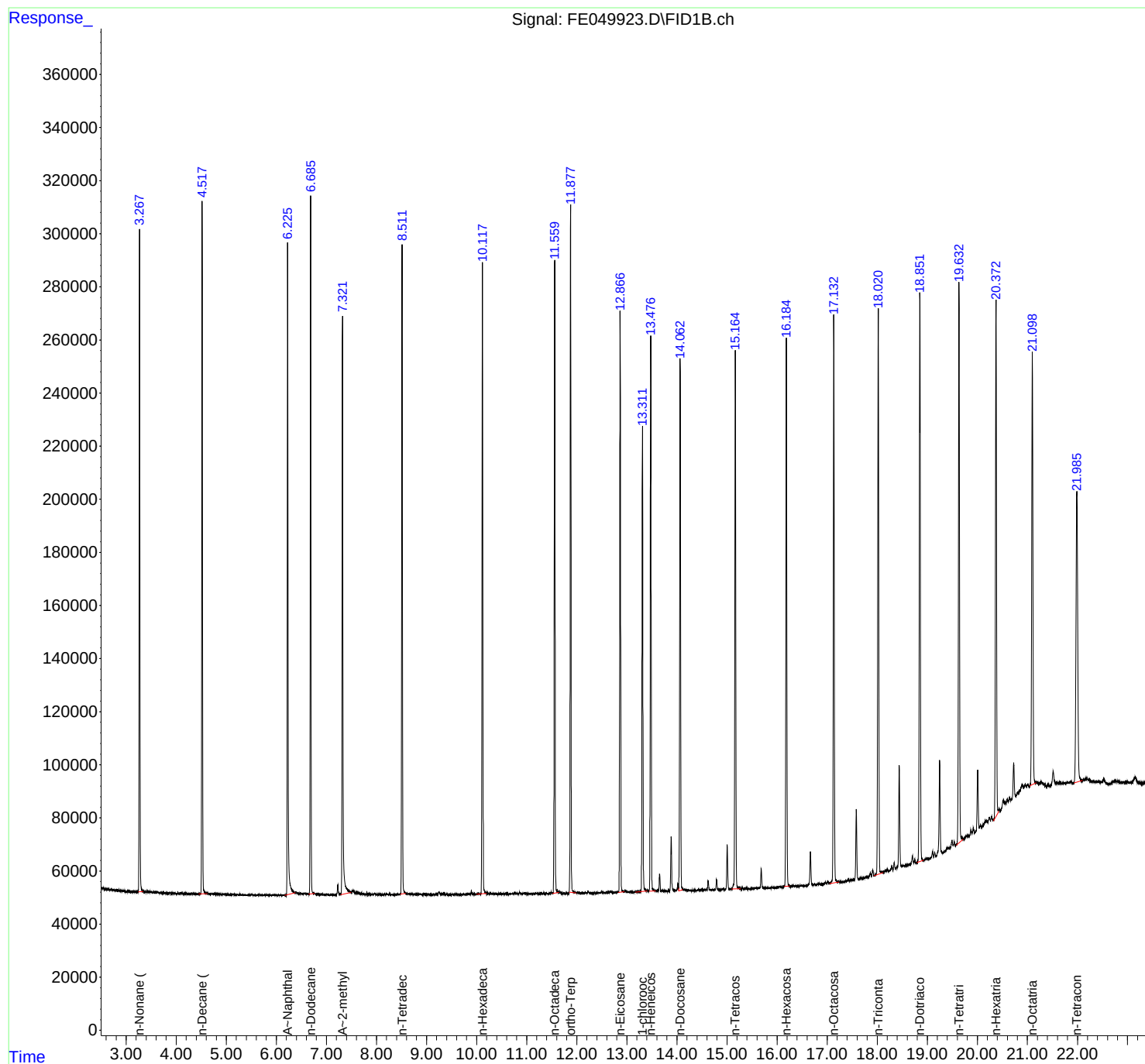
Instrument :
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20 PPM ALIPHATIC HC STD

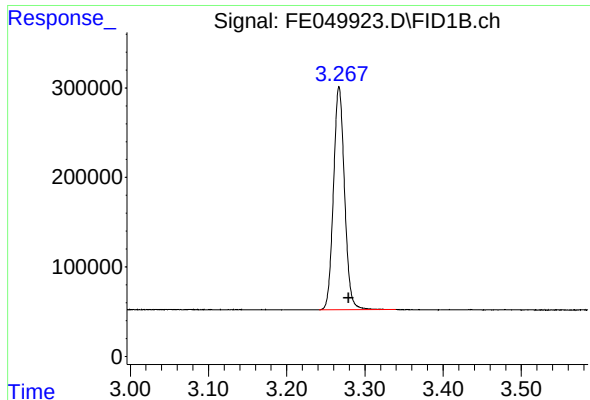
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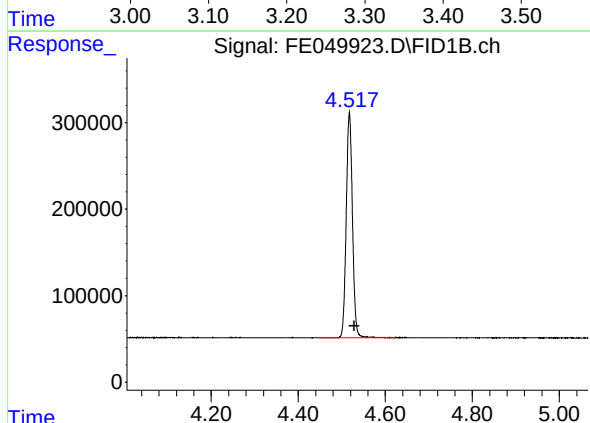
#1 n-Nonane (C9)

R.T.: 3.267 min
Delta R.T.: -0.012 min
Response: 2453121
Conc: 15.85 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

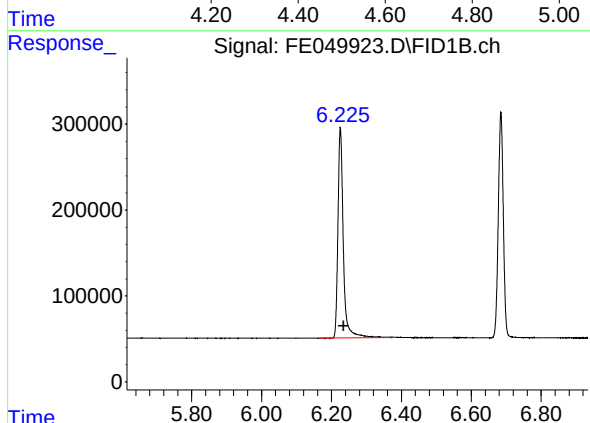
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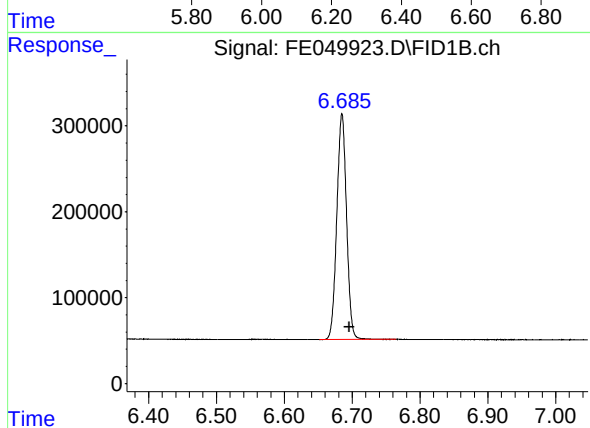
#2 n-Decane (C10)

R.T.: 4.518 min
Delta R.T.: -0.011 min
Response: 2588524
Conc: 16.39 ug/ml



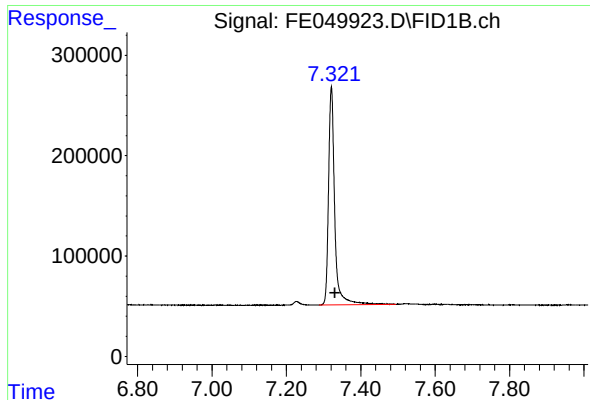
#3 A~Naphthalene (C11.7)

R.T.: 6.226 min
Delta R.T.: -0.009 min
Response: 2614347
Conc: 16.29 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.685 min
Delta R.T.: -0.011 min
Response: 2623122
Conc: 16.69 ug/ml



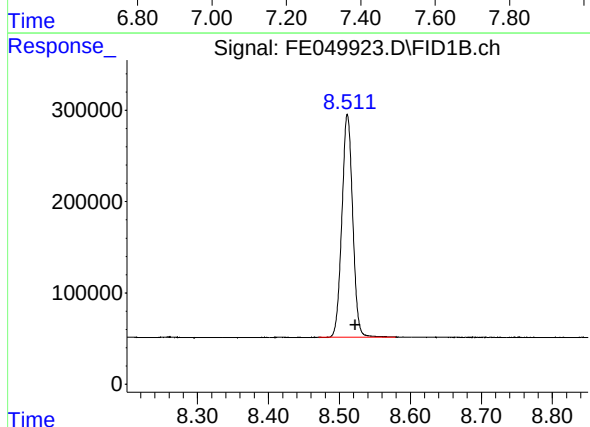
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.321 min
Delta R.T.: -0.010 min
Response: 2504140
Conc: 16.72 ug/ml

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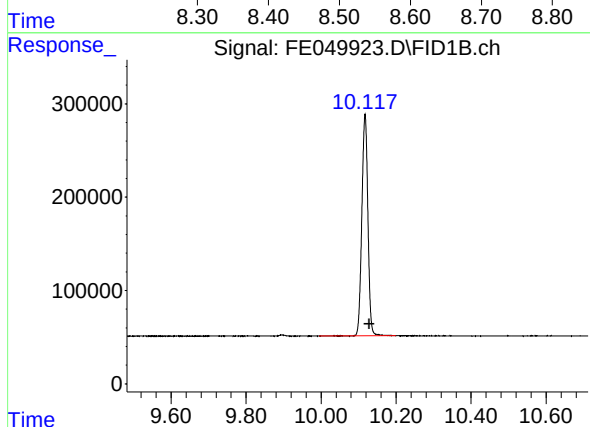
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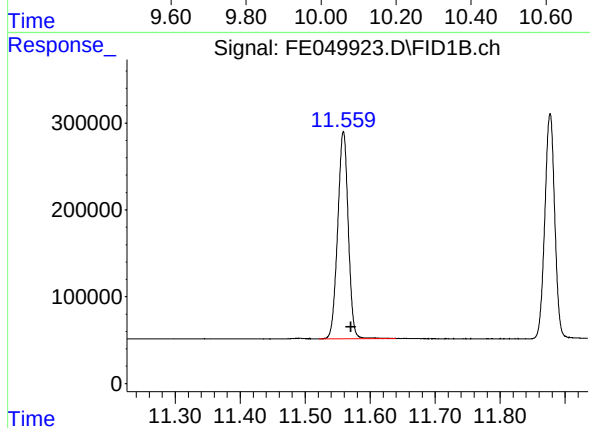
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: -0.011 min
Response: 2582485
Conc: 16.73 ug/ml



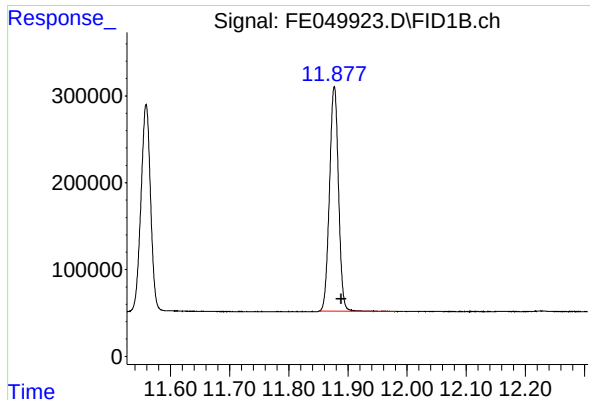
#7 n-Hexadecane (C16)

R.T.: 10.117 min
Delta R.T.: -0.012 min
Response: 2659557
Conc: 17.03 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.559 min
Delta R.T.: -0.012 min
Response: 2690145
Conc: 17.13 ug/ml



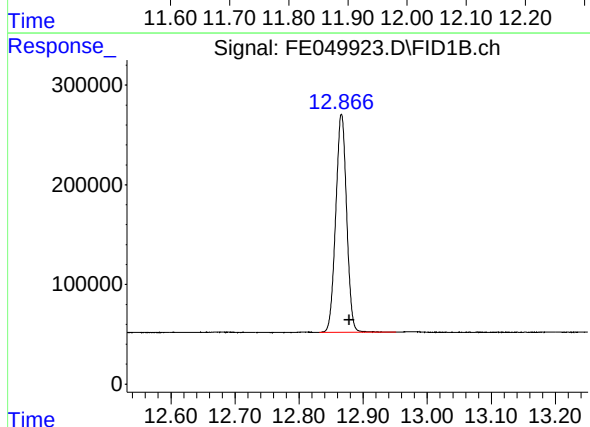
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: -0.011 min
Response: 2746211
Conc: 16.98 ug/ml

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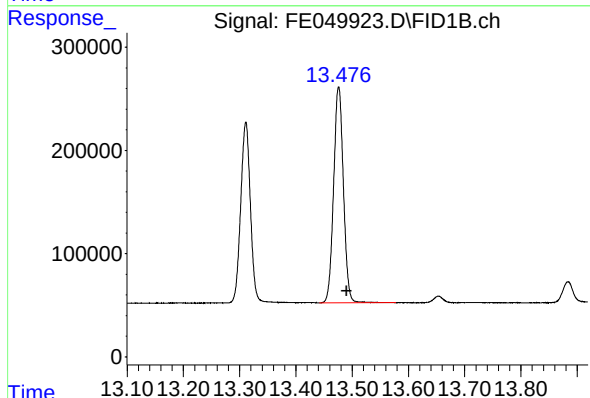
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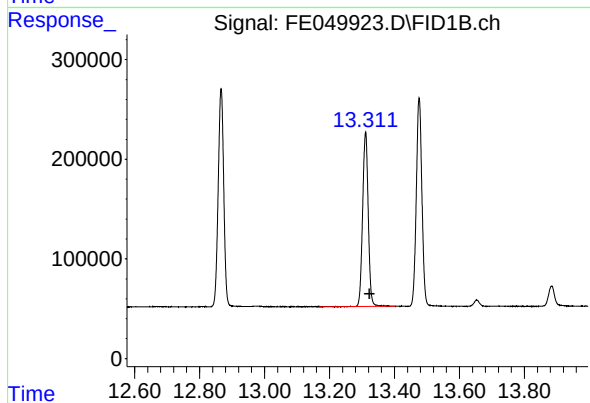
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.012 min
Response: 2579603
Conc: 17.28 ug/ml



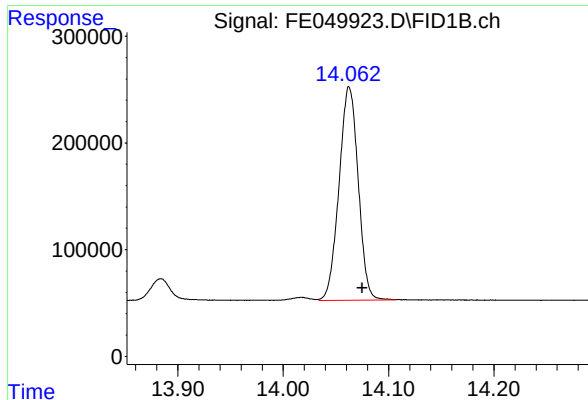
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.014 min
Response: 2525595
Conc: 17.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: -0.013 min
Response: 2104618
Conc: 17.25 ug/ml



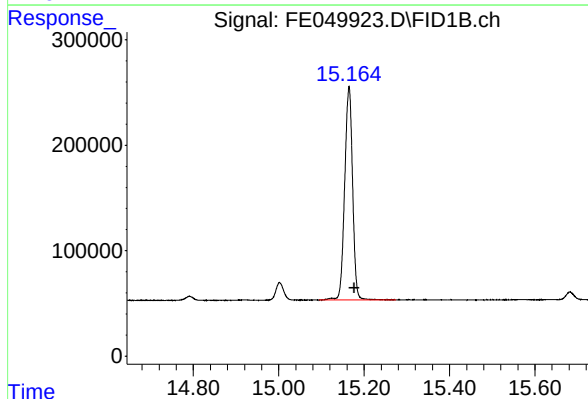
#13 n-Docosane (C22)

R.T.: 14.062 min
Delta R.T.: -0.013 min
Response: 2528787
Conc: 17.35 ug/ml

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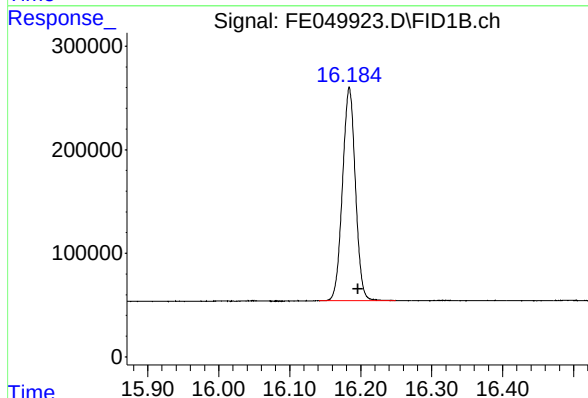
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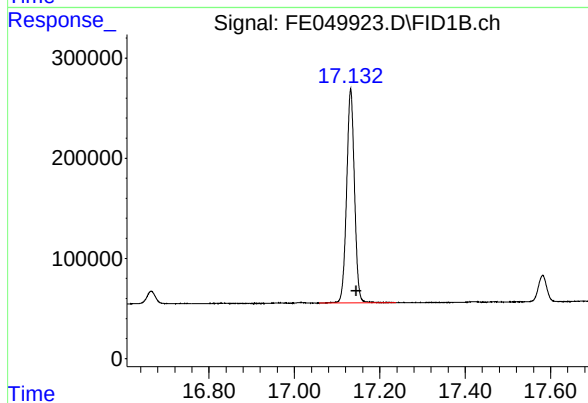
#14 n-Tetracosane (C24)

R.T.: 15.165 min
Delta R.T.: -0.012 min
Response: 2606771
Conc: 17.92 ug/ml



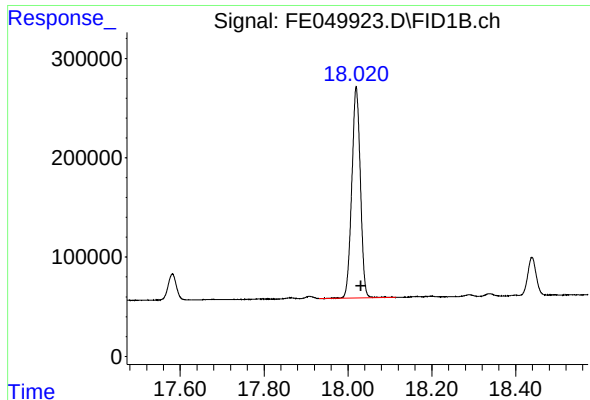
#15 n-Hexacosane (C26)

R.T.: 16.184 min
Delta R.T.: -0.013 min
Response: 2600955
Conc: 18.02 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.013 min
Response: 2736999
Conc: 19.00 ug/ml



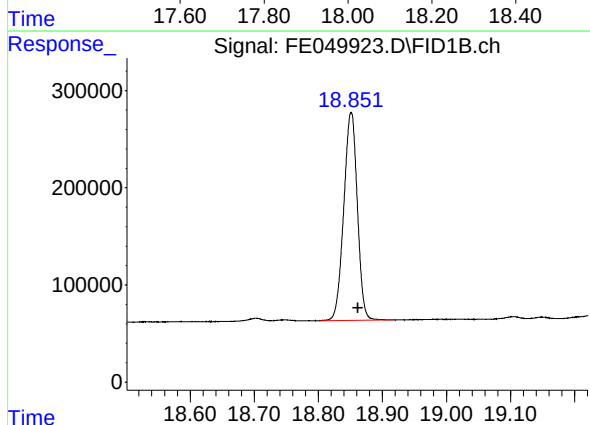
#17 n-Tricontane (C30)

R.T.: 18.020 min
Delta R.T.: -0.011 min
Response: 3022759
Conc: 20.19 ug/ml

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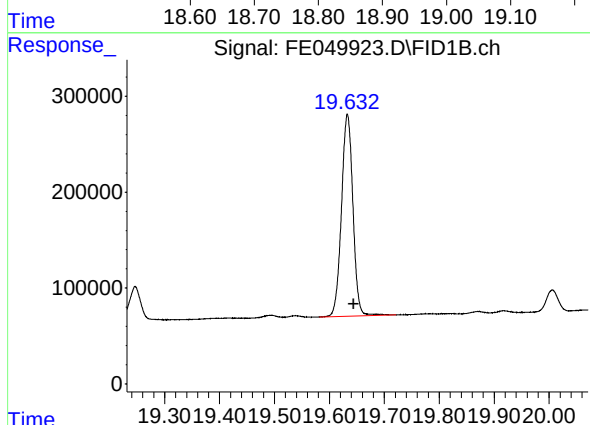
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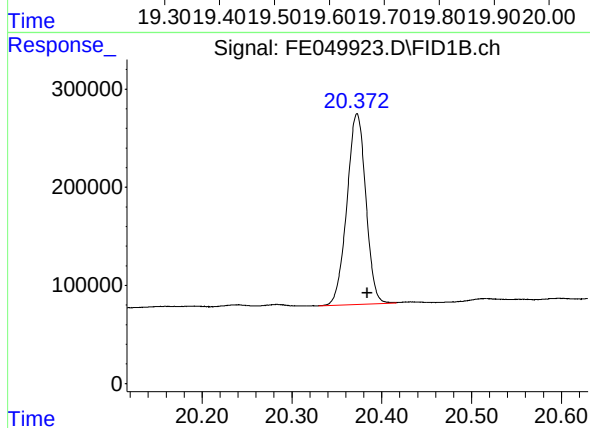
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.011 min
Response: 3135064
Conc: 20.72 ug/ml



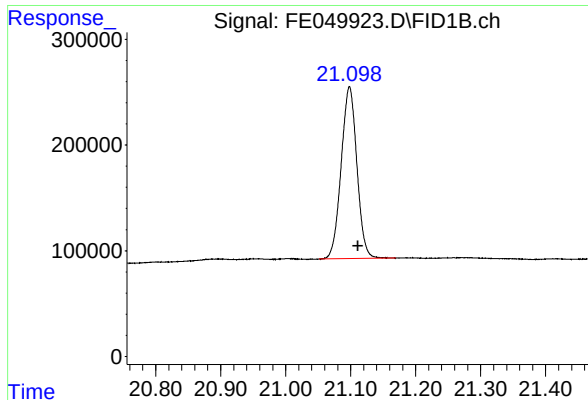
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.012 min
Response: 3042107
Conc: 19.90 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.012 min
Response: 2849574
Conc: 18.77 ug/ml m



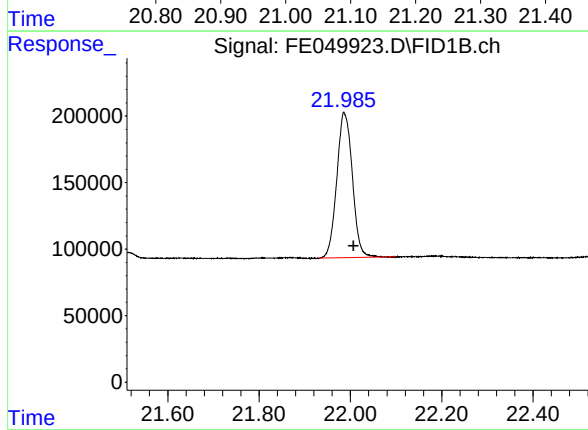
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.013 min
Response: 2731339
Conc: 17.40 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.021 min
Response: 2592560
Conc: 16.98 ug/ml