

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103124AL\
 Data File : FE050940.D
 Signal(s) : FID1B.ch
 Acq On : 31 Oct 2024 13:32
 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 11/01/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 14:41:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.855	2845611	18.050 ug/mlm
Spiked Amount 50.000		Recovery =	36.10%
12) S 1-chlorooctadecane (S...	13.288	2180579	18.434 ug/ml
Spiked Amount 50.000		Recovery =	36.87%
Target Compounds			
1) T n-Nonane (C9)	3.244	2508093	17.751 ug/ml
2) T n-Decane (C10)	4.494	2587501	18.034 ug/ml
3) T A~Naphthalene (C11.7)	6.206	2464077	17.232 ug/ml
4) T n-Dodecane (C12)	6.661	2611056	18.141 ug/ml
5) T A~2-methylnaphthalene...	7.302	2296120	17.332 ug/ml
6) T n-Tetradecane (C14)	8.488	2596062	18.146 ug/ml
7) T n-Hexadecane (C16)	10.093	2691936	18.291 ug/ml
8) T n-Octadecane (C18)	11.534	2736665	18.321 ug/ml
10) T n-Eicosane (C20)	12.841	2631784	18.353 ug/ml
11) T n-Heneicosane (C21)	13.453	2576932	18.350 ug/ml
13) T n-Docosane (C22)	14.039	2597420	18.514 ug/ml
14) T n-Tetracosane (C24)	15.139	2578044	18.248 ug/ml
15) T n-Hexacosane (C26)	16.158	2647279	18.813 ug/mlm
16) T n-Octacosane (C28)	17.107	2826604	19.317 ug/ml
17) T n-Tricontane (C30)	17.994	3225694	20.287 ug/ml
18) T n-Dotriacontane (C32)	18.826	3378071	20.838 ug/ml
19) T n-Tetratriacontane (C34)	19.608	2984873	20.320 ug/ml
20) T n-Hexatriacontane (C36)	20.347	2505694	19.759 ug/mlm
21) T n-Octatriacontane (C38)	21.070	2192018	17.728 ug/ml
22) T n-Tetracontane (C40)	21.954	1857267	16.679 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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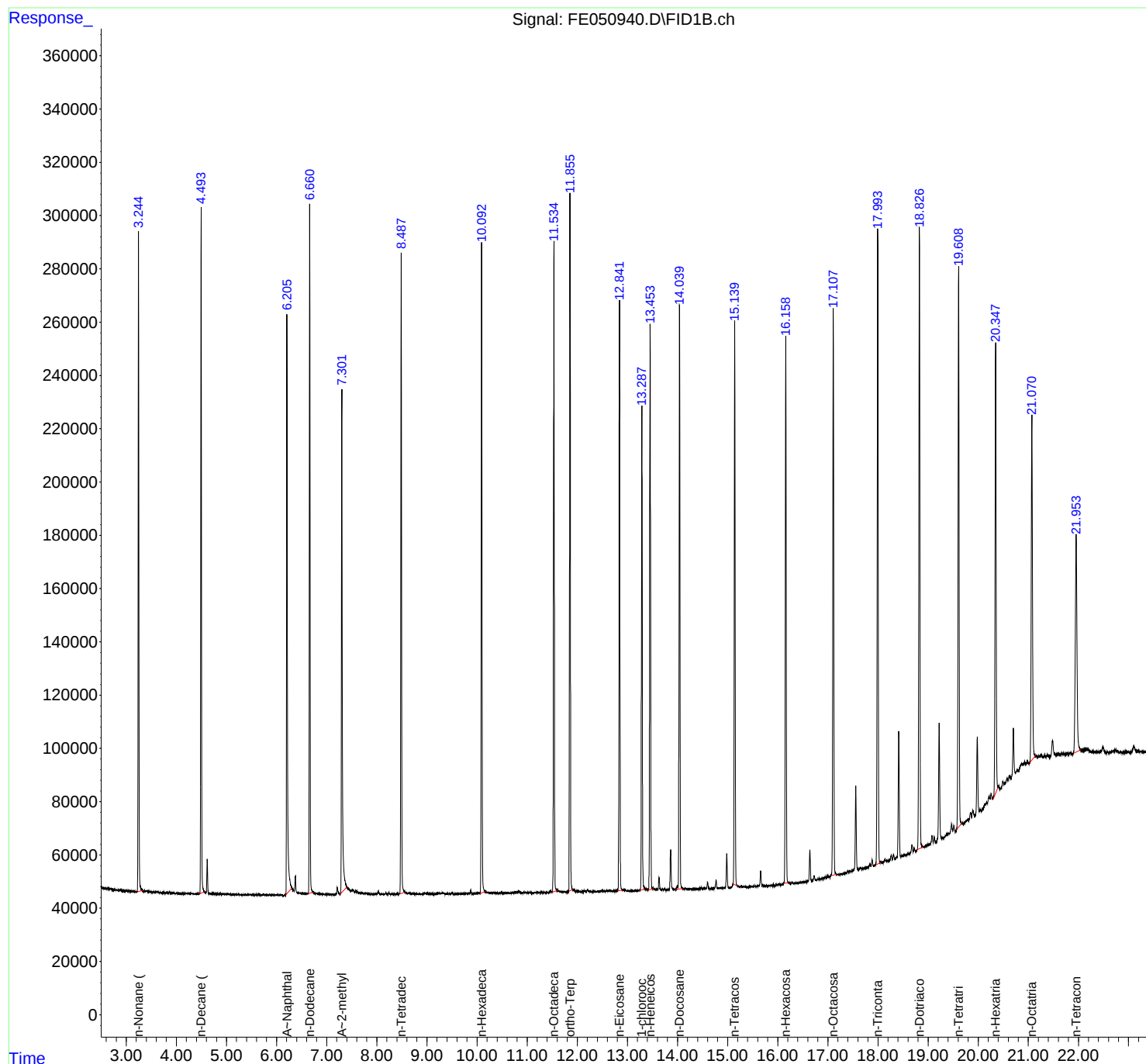
Instrument :
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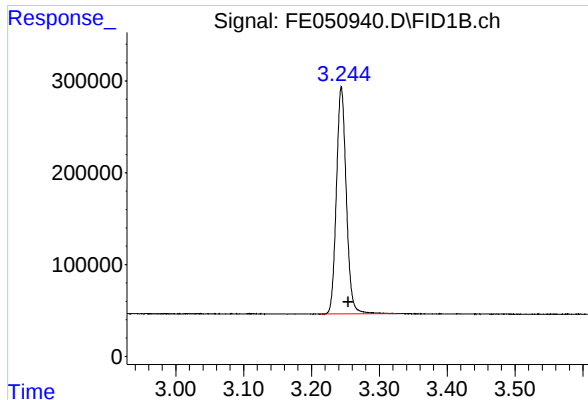
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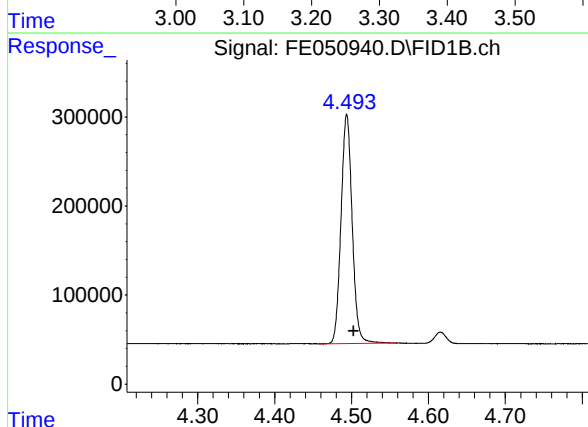
#1 n-Nonane (C9)

R.T.: 3.244 min
Delta R.T.: -0.010 min
Response: 2508093
Conc: 17.75 ug/ml

Instrument :
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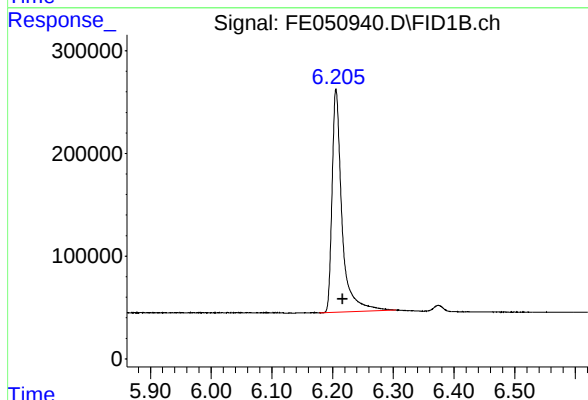
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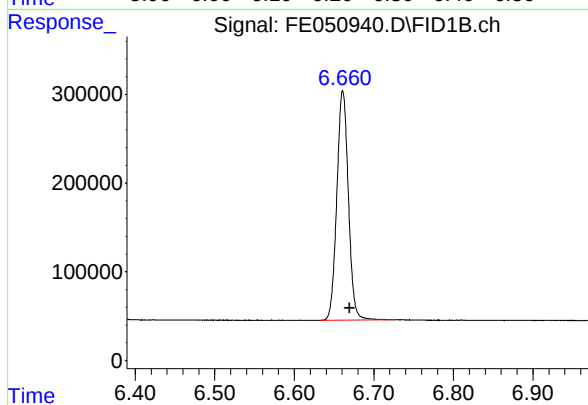
#2 n-Decane (C10)

R.T.: 4.494 min
Delta R.T.: -0.009 min
Response: 2587501
Conc: 18.03 ug/ml



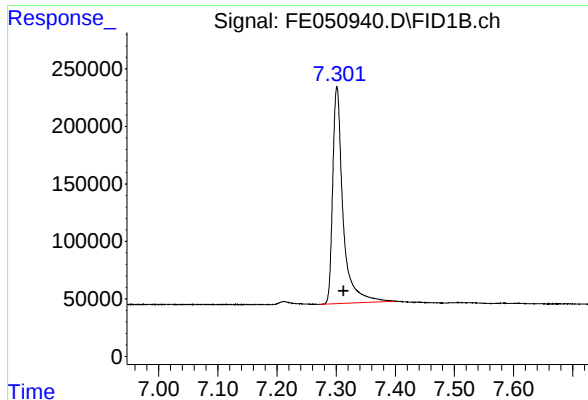
#3 A~Naphthalene (C11.7)

R.T.: 6.206 min
Delta R.T.: -0.011 min
Response: 2464077
Conc: 17.23 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.661 min
Delta R.T.: -0.009 min
Response: 2611056
Conc: 18.14 ug/ml



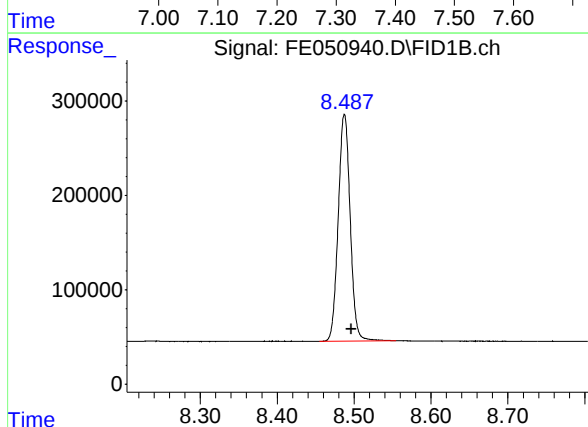
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.302 min
Delta R.T.: -0.011 min
Response: 2296120
Conc: 17.33 ug/ml

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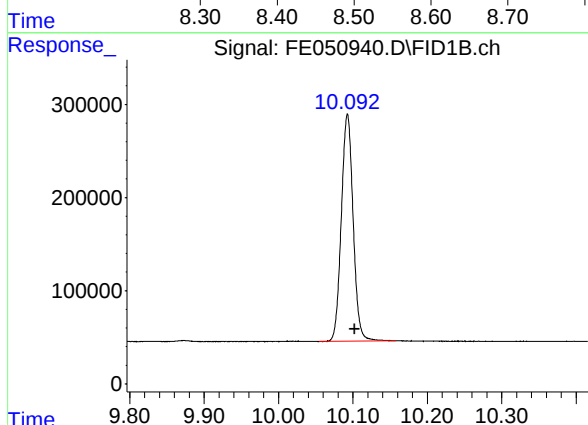
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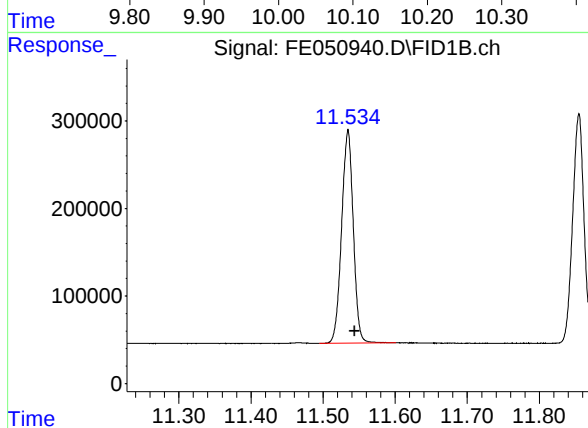
#6 n-Tetradecane (C14)

R.T.: 8.488 min
Delta R.T.: -0.009 min
Response: 2596062
Conc: 18.15 ug/ml



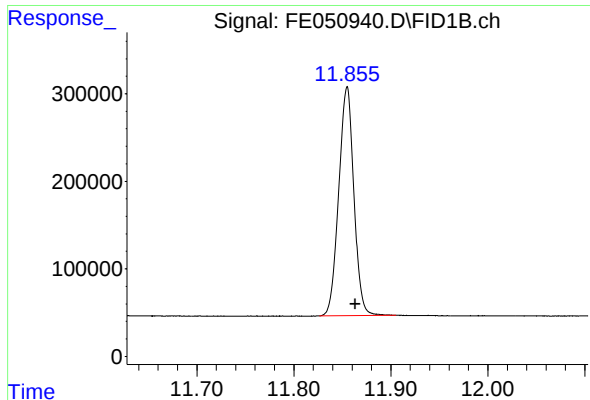
#7 n-Hexadecane (C16)

R.T.: 10.093 min
Delta R.T.: -0.010 min
Response: 2691936
Conc: 18.29 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.534 min
Delta R.T.: -0.009 min
Response: 2736665
Conc: 18.32 ug/ml



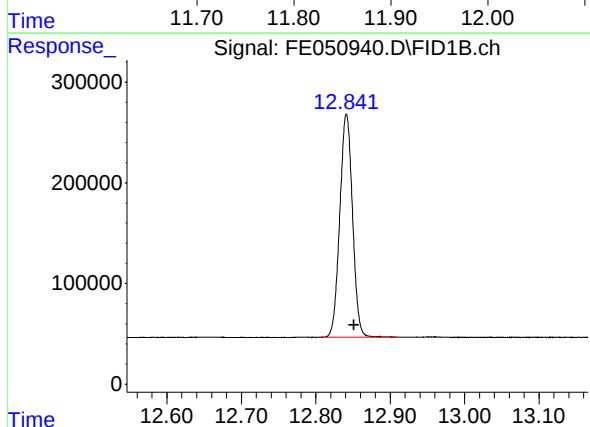
#9 ortho-Terphenyl (SURR)

R.T.: 11.855 min
Delta R.T.: -0.008 min
Response: 2845611
Conc: 18.05 ug/ml

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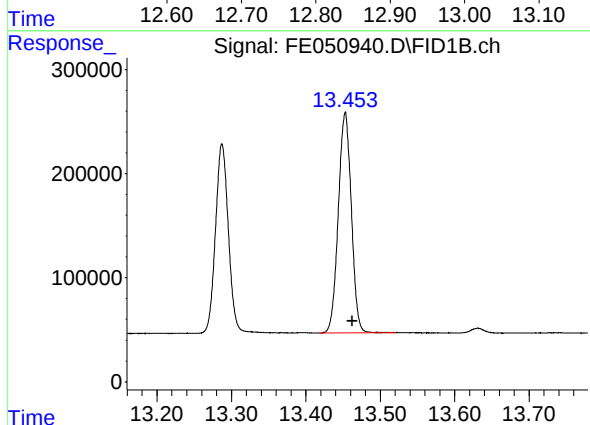
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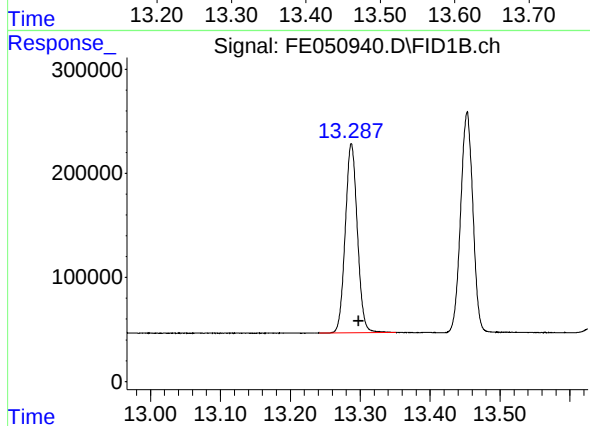
#10 n-Eicosane (C20)

R.T.: 12.841 min
Delta R.T.: -0.010 min
Response: 2631784
Conc: 18.35 ug/ml



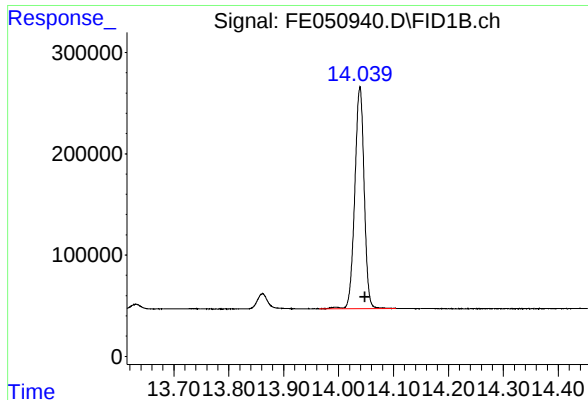
#11 n-Heneicosane (C21)

R.T.: 13.453 min
Delta R.T.: -0.010 min
Response: 2576932
Conc: 18.35 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.288 min
Delta R.T.: -0.010 min
Response: 2180579
Conc: 18.43 ug/ml



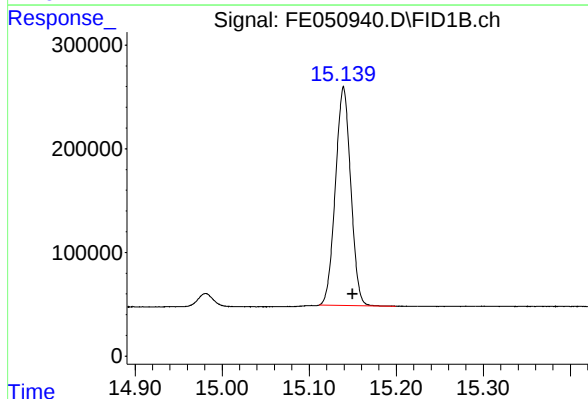
#13 n-Docosane (C22)

R.T.: 14.039 min
Delta R.T.: -0.009 min
Response: 2597420
Conc: 18.51 ug/ml

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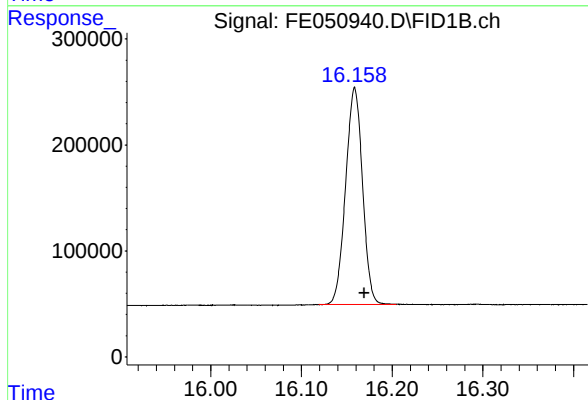
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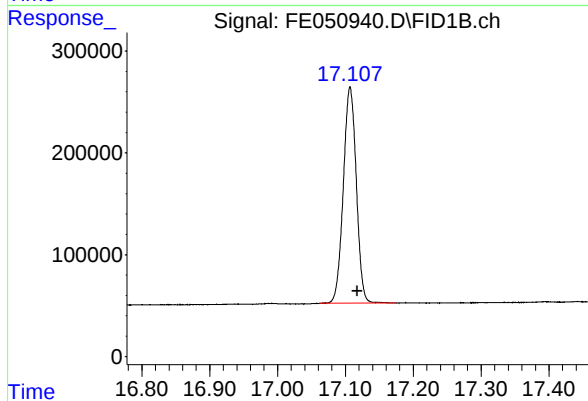
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: -0.011 min
Response: 2578044
Conc: 18.25 ug/ml



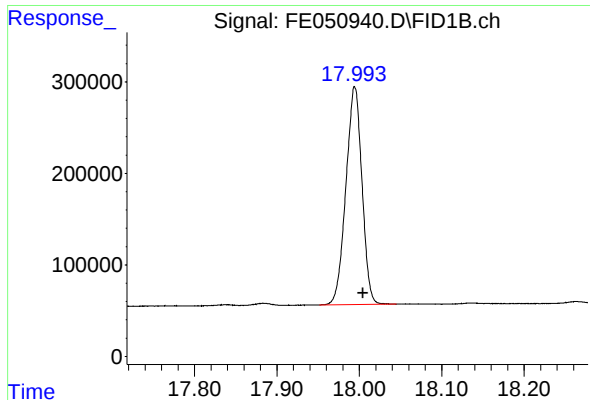
#15 n-Hexacosane (C26)

R.T.: 16.158 min
Delta R.T.: -0.011 min
Response: 2647279
Conc: 18.81 ug/ml m



#16 n-Octacosane (C28)

R.T.: 17.107 min
Delta R.T.: -0.010 min
Response: 2826604
Conc: 19.32 ug/ml



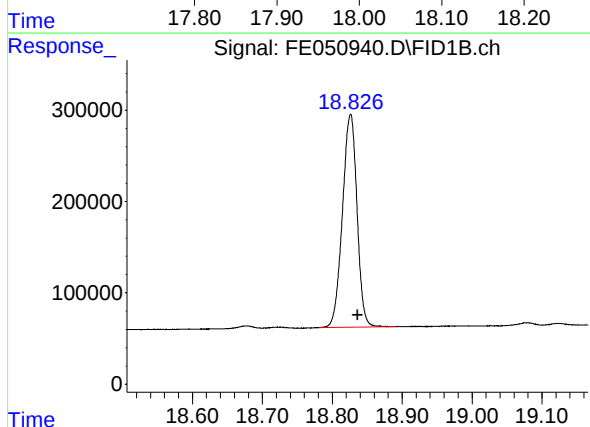
#17 n-Tricontane (C30)

R.T.: 17.994 min
Delta R.T.: -0.010 min
Response: 3225694
Conc: 20.29 ug/ml

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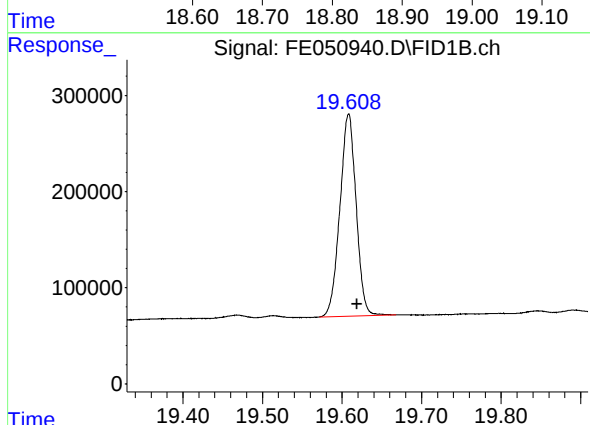
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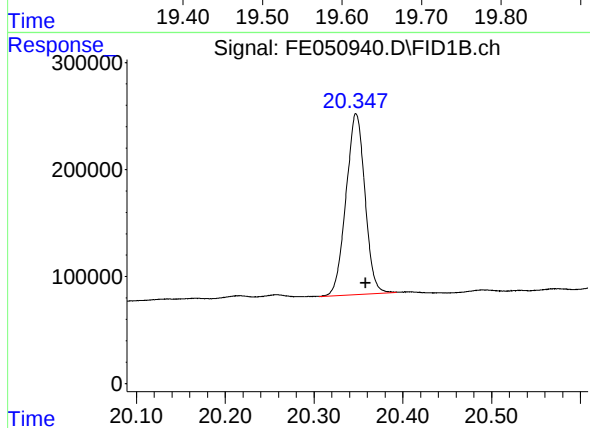
#18 n-Dotriacontane (C32)

R.T.: 18.826 min
Delta R.T.: -0.011 min
Response: 3378071
Conc: 20.84 ug/ml



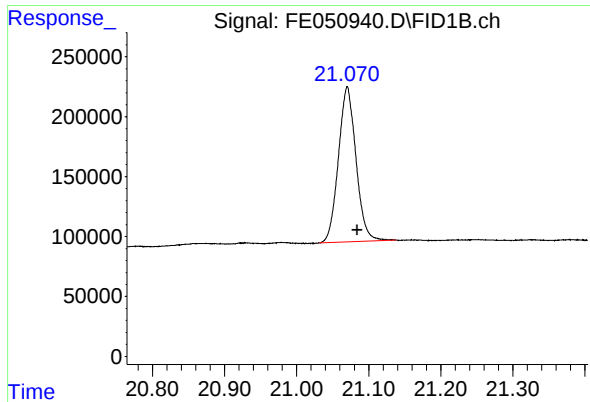
#19 n-Tetratriacontane (C34)

R.T.: 19.608 min
Delta R.T.: -0.011 min
Response: 2984873
Conc: 20.32 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.347 min
Delta R.T.: -0.012 min
Response: 2505694
Conc: 19.76 ug/ml m



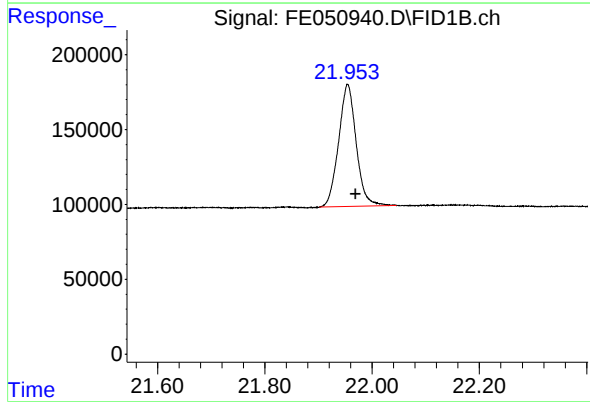
#21 n-Octatriacontane (C38)

R.T.: 21.070 min
Delta R.T.: -0.014 min
Response: 2192018
Conc: 17.73 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.954 min
Delta R.T.: -0.015 min
Response: 1857267
Conc: 16.68 ug/ml