

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE092524AL\
 Data File : FE050346.D
 Signal(s) : FID1B.ch
 Acq On : 25 Sep 2024 12:45
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2024
 Supervised By :Ankita Jodhani 09/26/2024

Integration File: autoint1.e
 Quant Time: Sep 26 01:17:07 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.866	2542291	17.088 ug/ml
Spiked Amount 50.000		Recovery =	34.18%
12) S 1-chlorooctadecane (S...	13.301	1931458	17.195 ug/ml
Spiked Amount 50.000		Recovery =	34.39%
Target Compounds			
1) T n-Nonane (C9)	3.256	2297365	16.949 ug/ml
2) T n-Decane (C10)	4.506	2378560	17.235 ug/ml
3) T A~Naphthalene (C11.7)	6.216	2418566	17.279 ug/ml
4) T n-Dodecane (C12)	6.673	2384959	17.247 ug/mlm
5) T A~2-methylnaphthalene...	7.312	2265926	17.239 ug/ml
6) T n-Tetradecane (C14)	8.500	2370326	17.407 ug/ml
7) T n-Hexadecane (C16)	10.106	2456337	17.684 ug/ml
8) T n-Octadecane (C18)	11.547	2482556	17.720 ug/ml
10) T n-Eicosane (C20)	12.855	2366072	17.638 ug/mlm
11) T n-Heneicosane (C21)	13.466	2327026	17.710 ug/ml
13) T n-Docosane (C22)	14.052	2314495	17.774 ug/ml
14) T n-Tetracosane (C24)	15.153	2332286	17.860 ug/ml
15) T n-Hexacosane (C26)	16.172	2306274	18.026 ug/ml
16) T n-Octacosane (C28)	17.122	2385882	18.523 ug/mlm
17) T n-Tricontane (C30)	18.008	2612586	19.538 ug/ml
18) T n-Dotriacontane (C32)	18.838	2685513	20.153 ug/ml
19) T n-Tetratriacontane (C34)	19.621	2706693	21.906 ug/ml
20) T n-Hexatriacontane (C36)	20.360	2714549	24.466 ug/ml
21) T n-Octatriacontane (C38)	21.085	2545926	23.086 ug/mlm
22) T n-Tetracontane (C40)	21.970	2410909	22.156 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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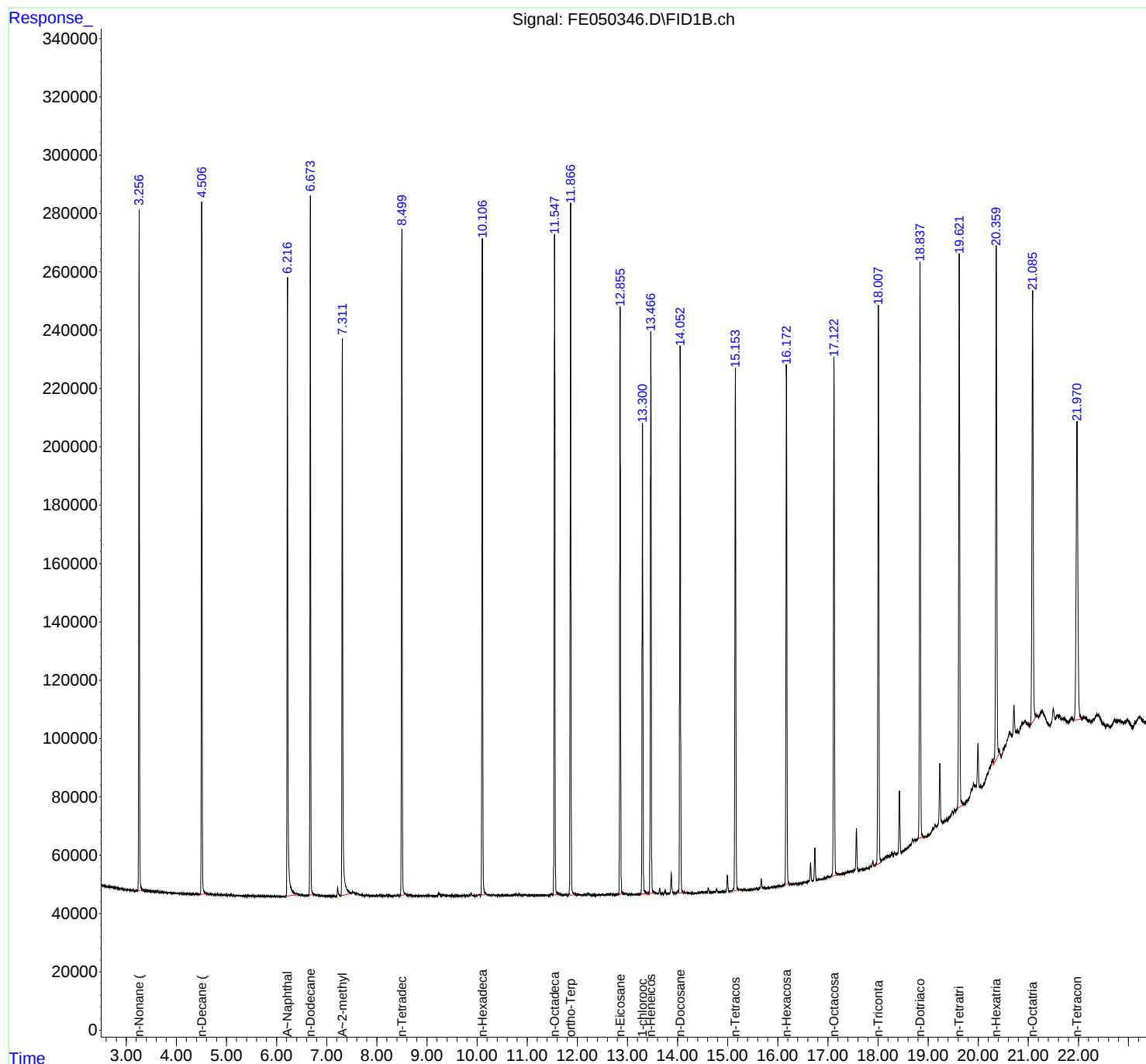
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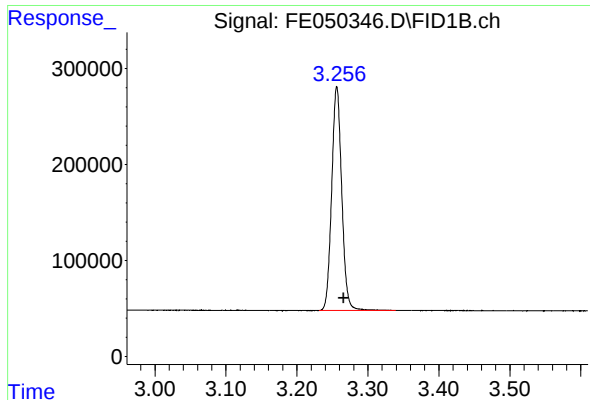
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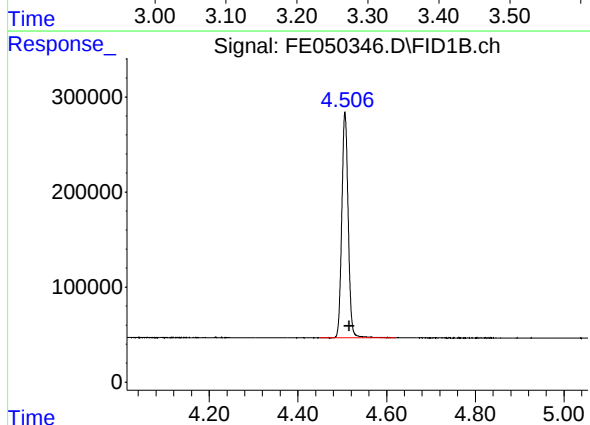
#1 n-Nonane (C9)

R.T.: 3.256 min
Delta R.T.: -0.010 min
Response: 2297365
Conc: 16.95 ug/ml

Instrument :
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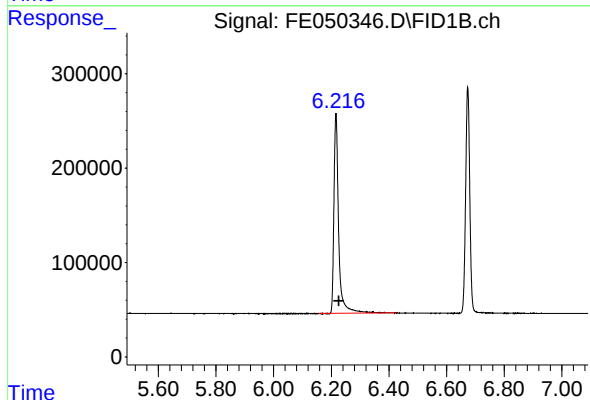
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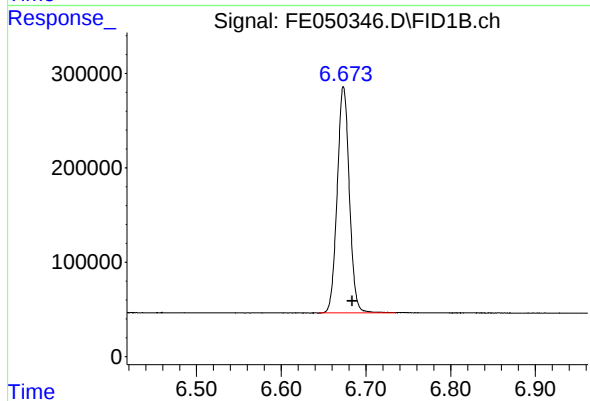
#2 n-Decane (C10)

R.T.: 4.506 min
Delta R.T.: -0.010 min
Response: 2378560
Conc: 17.23 ug/ml



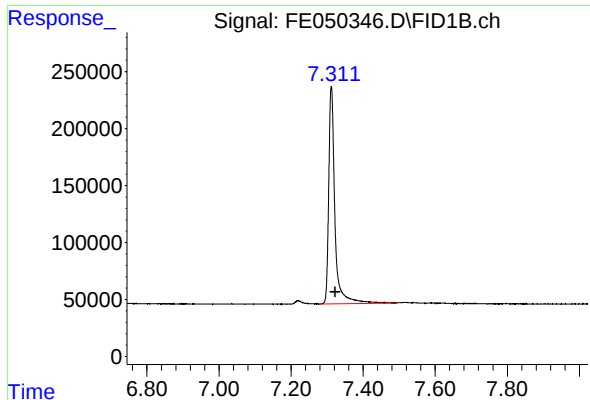
#3 A~Naphthalene (C11.7)

R.T.: 6.216 min
Delta R.T.: -0.011 min
Response: 2418566
Conc: 17.28 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.673 min
Delta R.T.: -0.011 min
Response: 2384959
Conc: 17.25 ug/ml m



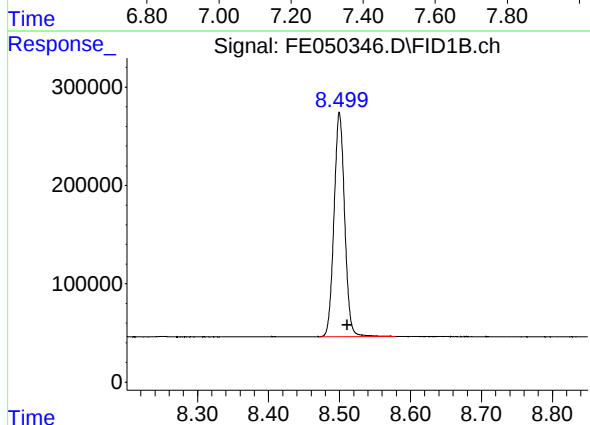
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.312 min
Delta R.T.: -0.011 min
Response: 2265926
Conc: 17.24 ug/ml

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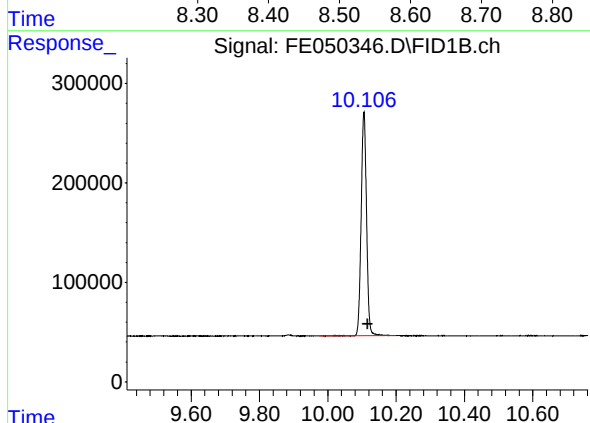
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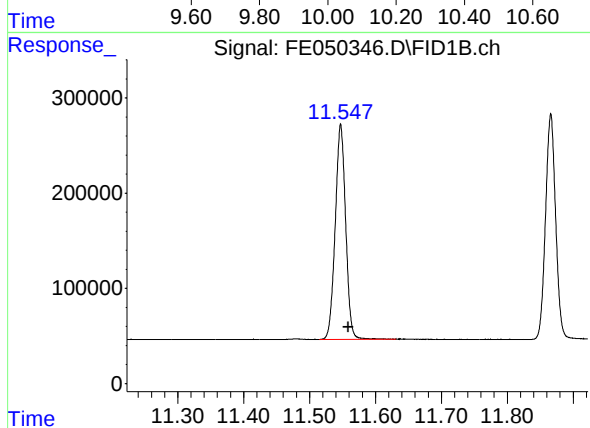
#6 n-Tetradecane (C14)

R.T.: 8.500 min
Delta R.T.: -0.011 min
Response: 2370326
Conc: 17.41 ug/ml



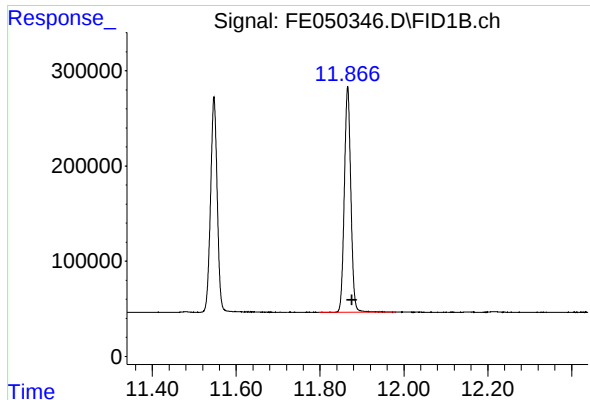
#7 n-Hexadecane (C16)

R.T.: 10.106 min
Delta R.T.: -0.011 min
Response: 2456337
Conc: 17.68 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.547 min
Delta R.T.: -0.011 min
Response: 2482556
Conc: 17.72 ug/ml



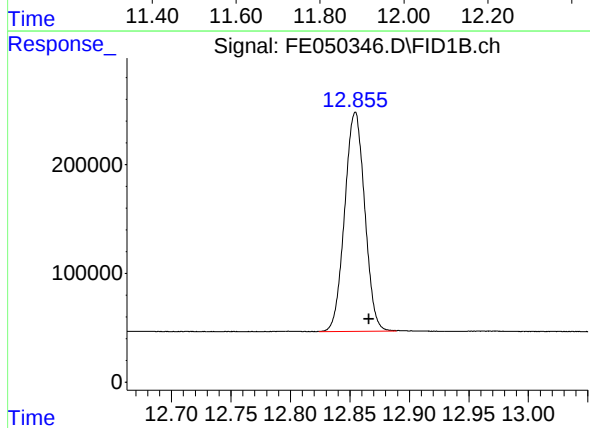
#9 ortho-Terphenyl (SURR)

R.T.: 11.866 min
Delta R.T.: -0.010 min
Response: 2542291
Conc: 17.09 ug/ml

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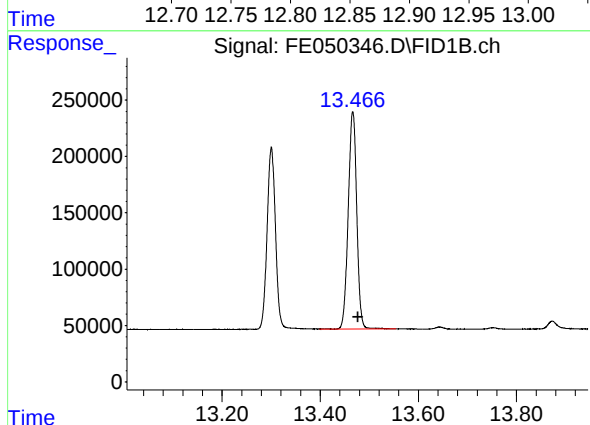
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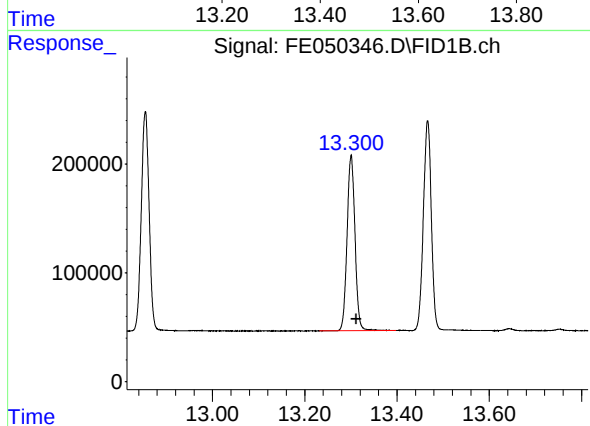
#10 n-Eicosane (C20)

R.T.: 12.855 min
Delta R.T.: -0.011 min
Response: 2366072
Conc: 17.64 ug/ml m



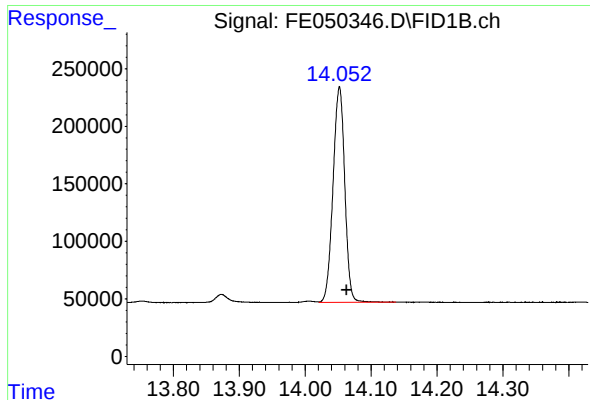
#11 n-Heneicosane (C21)

R.T.: 13.466 min
Delta R.T.: -0.011 min
Response: 2327026
Conc: 17.71 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.301 min
Delta R.T.: -0.011 min
Response: 1931458
Conc: 17.19 ug/ml



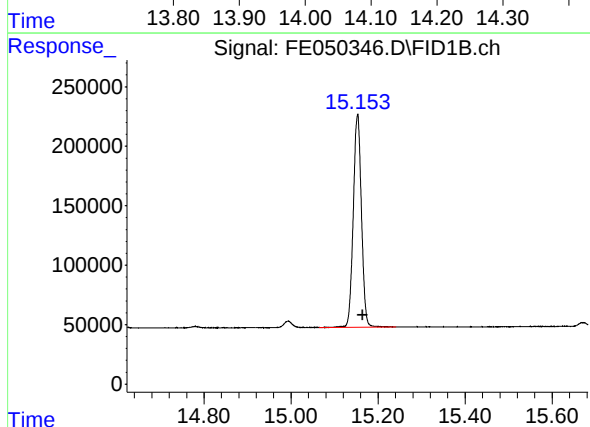
#13 n-Docosane (C22)

R.T.: 14.052 min
Delta R.T.: -0.011 min
Response: 2314495
Conc: 17.77 ug/ml

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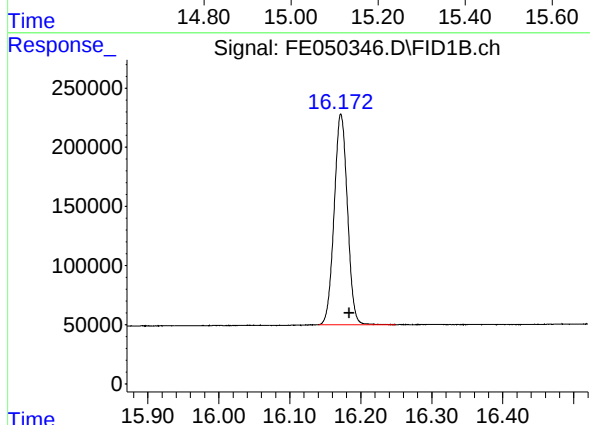
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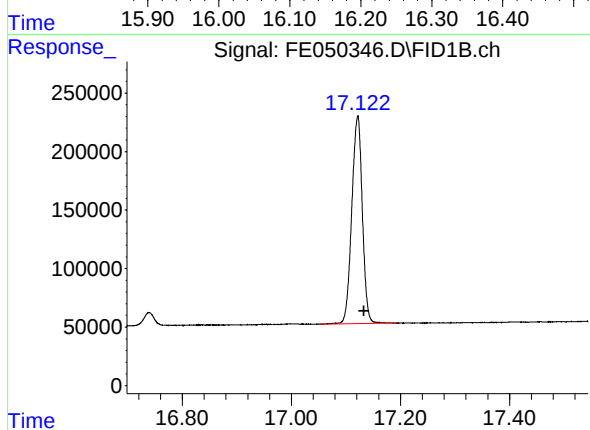
#14 n-Tetracosane (C24)

R.T.: 15.153 min
Delta R.T.: -0.012 min
Response: 2332286
Conc: 17.86 ug/ml



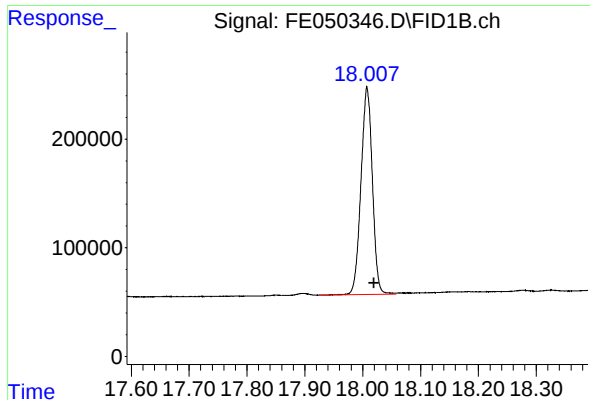
#15 n-Hexacosane (C26)

R.T.: 16.172 min
Delta R.T.: -0.012 min
Response: 2306274
Conc: 18.03 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.122 min
Delta R.T.: -0.011 min
Response: 2385882
Conc: 18.52 ug/ml m



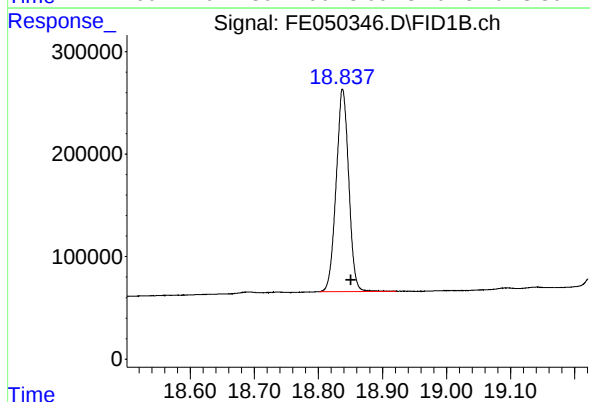
#17 n-Tricontane (C30)

R.T.: 18.008 min
Delta R.T.: -0.012 min
Response: 2612586
Conc: 19.54 ug/ml

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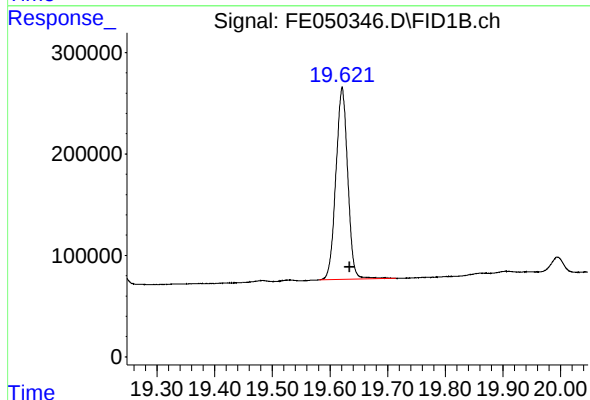
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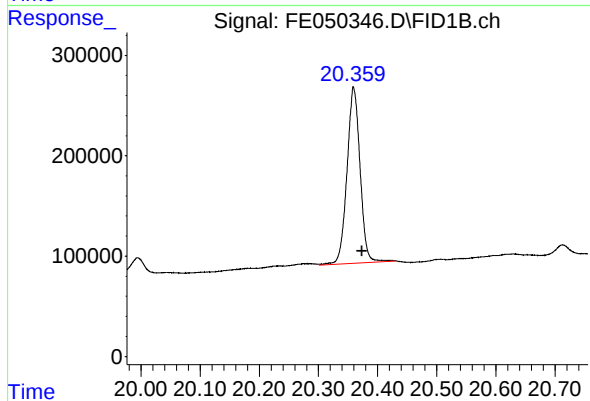
#18 n-Dotriacontane (C32)

R.T.: 18.838 min
Delta R.T.: -0.013 min
Response: 2685513
Conc: 20.15 ug/ml



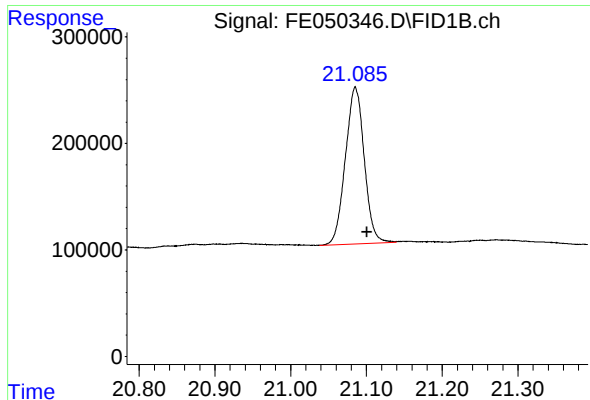
#19 n-Tetatriacontane (C34)

R.T.: 19.621 min
Delta R.T.: -0.013 min
Response: 2706693
Conc: 21.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.360 min
Delta R.T.: -0.014 min
Response: 2714549
Conc: 24.47 ug/ml



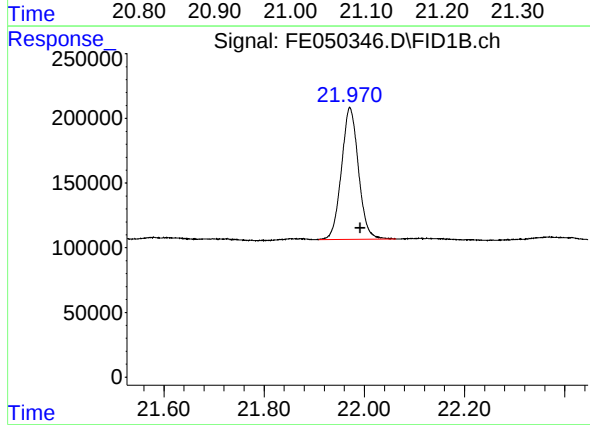
#21 n-Octatriacontane (C38)

R.T.: 21.085 min
Delta R.T.: -0.016 min
Response: 2545926
Conc: 23.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.970 min
Delta R.T.: -0.022 min
Response: 2410909
Conc: 22.16 ug/ml m