

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041425AL\
 Data File : FE053356.D
 Signal(s) : FID1B.ch
 Acq On : 15 Apr 2025 06:03
 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 04/15/2025
 Supervised By :mohammad ahmed 04/16/2025

Integration File: sample.E
 Quant Time: Apr 15 06:29:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 032925.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 31 02:44:53 2025
 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)	11.900	2624642	16.114 ug/mlm
Spiked Amount 50.000		Recovery =	32.23%
12) S 1-chlorooctadecane (S...	13.346	1938223	16.146 ug/mlm
Spiked Amount 50.000		Recovery =	32.29%
Target Compounds			
1) T n-Nonane (C9)	3.236	2507347	16.193 ug/mlm
2) T n-Decane (C10)	4.498	2604304	16.603 ug/mlm
3) T A~Naphthalene (C11.7)	6.215	2730694	16.255 ug/mlm
4) T n-Dodecane (C12)	6.681	2517098	16.094 ug/mlm
5) T A~2-methylnaphthalene...	7.319	2601163	16.302 ug/mlm
6) T n-Tetradecane (C14)	8.519	2456037	16.040 ug/ml
7) T n-Hexadecane (C16)	10.134	2504220	16.246 ug/ml
8) T n-Octadecane (C18)	11.585	2445348	16.123 ug/ml
10) T n-Eicosane (C20)	12.900	2297788	16.116 ug/ml
11) T n-Heneicosane (C21)	13.514	2222493	16.016 ug/ml
13) T n-Docosane (C22)	14.103	2229776	16.281 ug/ml
14) T n-Tetracosane (C24)	15.211	2289482	16.952 ug/ml
15) T n-Hexacosane (C26)	16.236	2325372	17.431 ug/ml
16) T n-Octacosane (C28)	17.189	2527018	19.149 ug/ml
17) T n-Tricontane (C30)	18.078	2922614	21.563 ug/mlm
18) T n-Dotriacontane (C32)	18.913	3051143	22.674 ug/mlm
19) T n-Tetratriacontane (C34)	19.700	2790551	21.566 ug/ml
20) T n-Hexatriacontane (C36)	20.442	2502553	21.067 ug/ml
21) T n-Octatriacontane (C38)	21.185	2077978	18.079 ug/ml
22) T n-Tetracontane (C40)	22.105	2092736	18.633 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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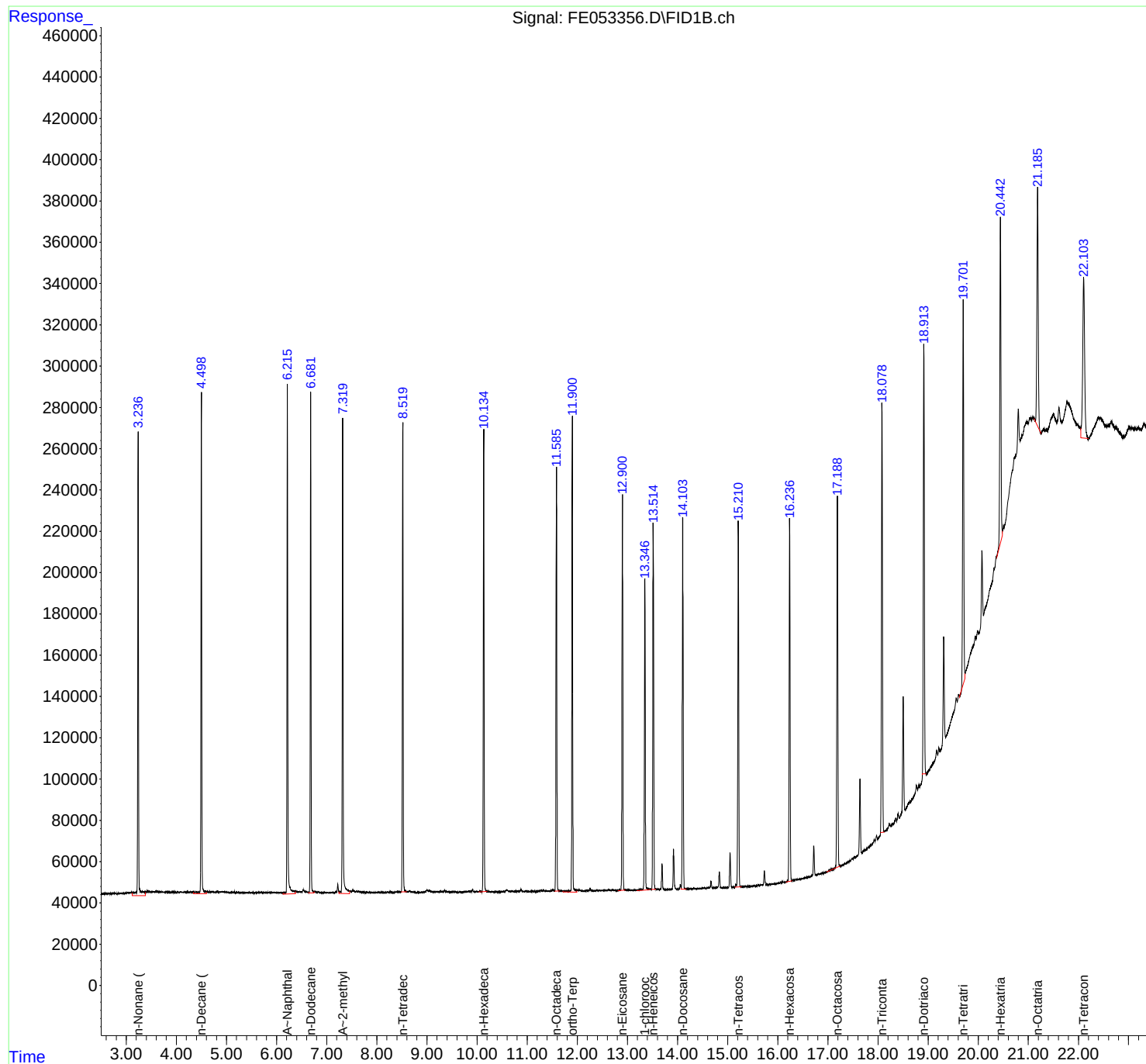
Instrument :
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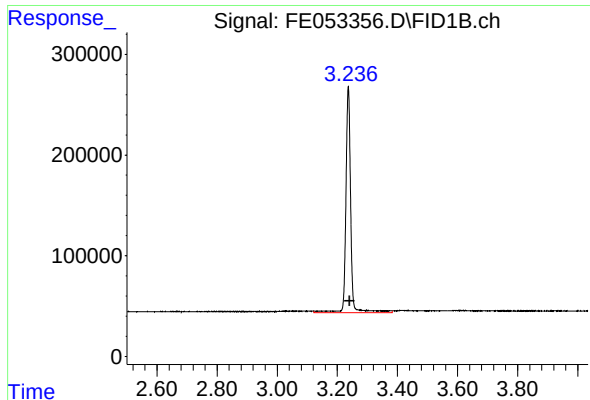
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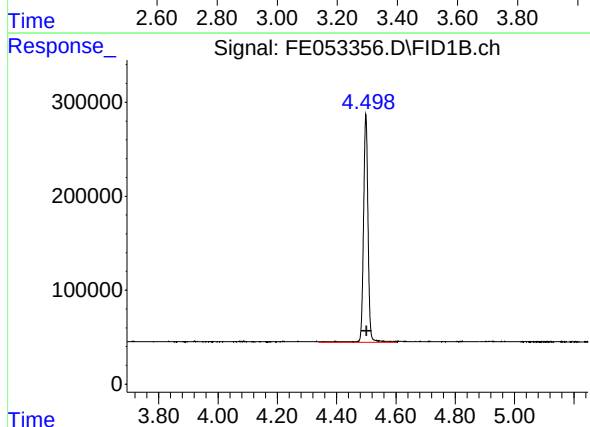
#1 n-Nonane (C9)

R.T.: 3.236 min
Delta R.T.: -0.005 min
Response: 2507347
Conc: 16.19 ug/ml

Instrument :
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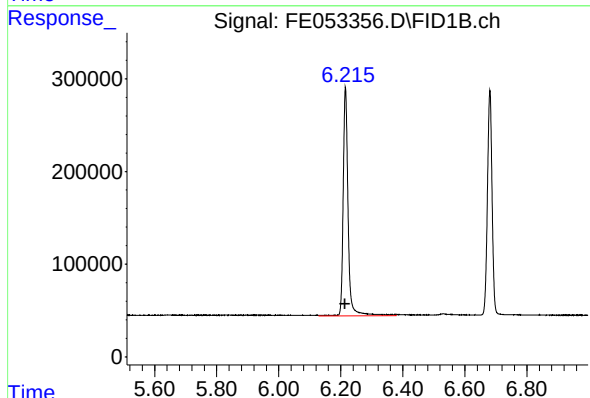
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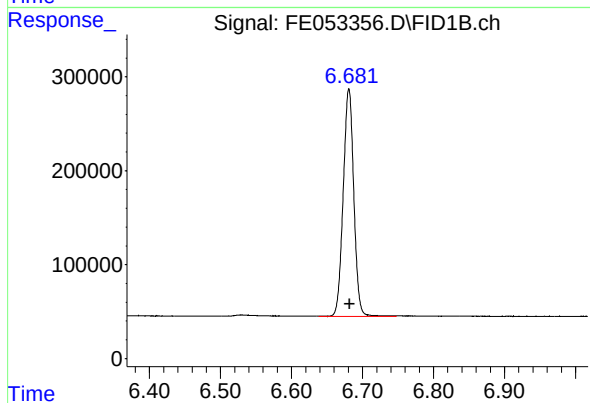
#2 n-Decane (C10)

R.T.: 4.498 min
Delta R.T.: -0.004 min
Response: 2604304
Conc: 16.60 ug/ml m



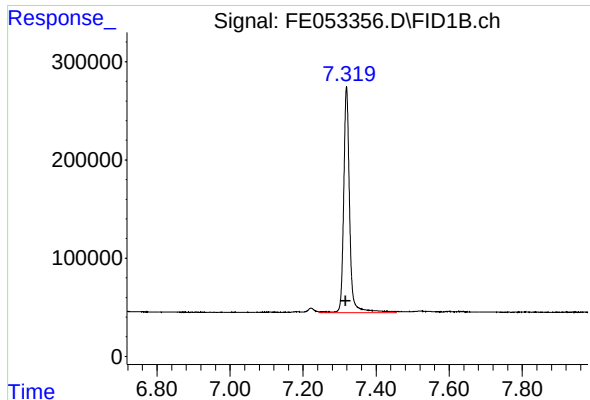
#3 A~Naphthalene (C11.7)

R.T.: 6.215 min
Delta R.T.: 0.000 min
Response: 2730694
Conc: 16.26 ug/ml m



#4 n-Dodecane (C12)

R.T.: 6.681 min
Delta R.T.: -0.002 min
Response: 2517098
Conc: 16.09 ug/ml m



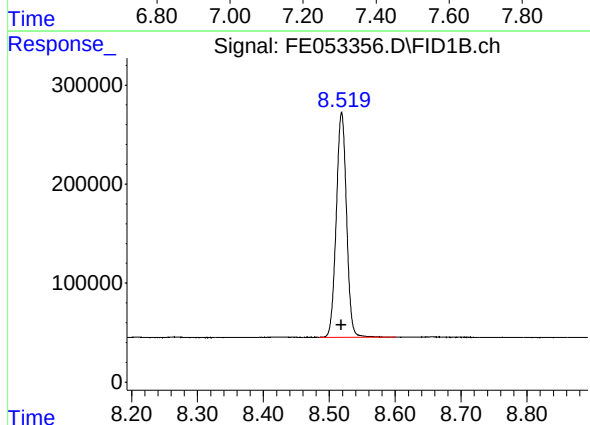
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.319 min
Delta R.T.: 0.002 min
Response: 2601163
Conc: 16.30 ug/ml

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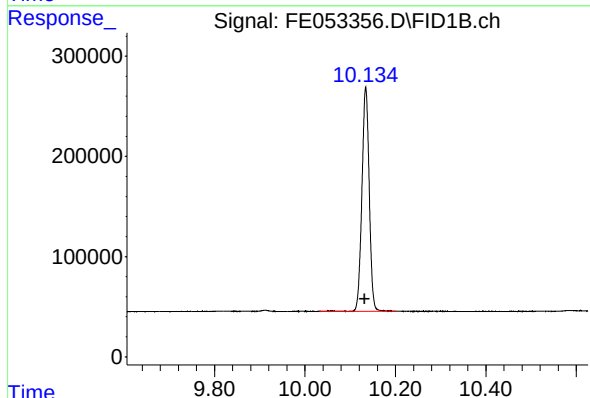
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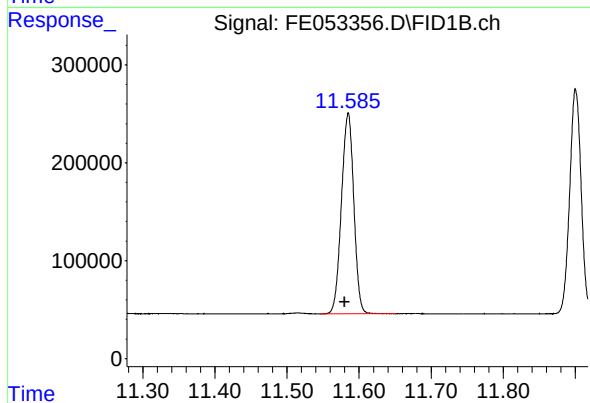
#6 n-Tetradecane (C14)

R.T.: 8.519 min
Delta R.T.: 0.000 min
Response: 2456037
Conc: 16.04 ug/ml



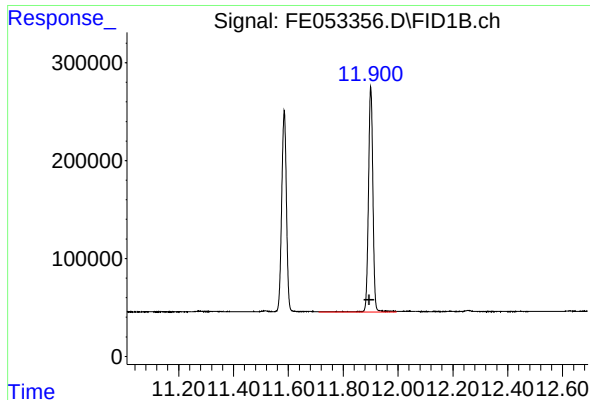
#7 n-Hexadecane (C16)

R.T.: 10.134 min
Delta R.T.: 0.003 min
Response: 2504220
Conc: 16.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.585 min
Delta R.T.: 0.005 min
Response: 2445348
Conc: 16.12 ug/ml



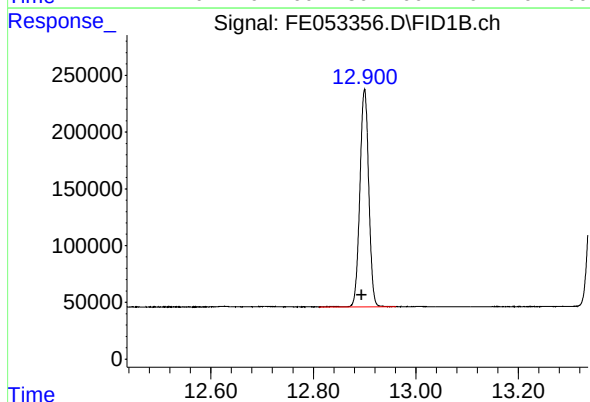
#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min
Delta R.T.: 0.004 min
Response: 2624642
Conc: 16.11 ug/ml

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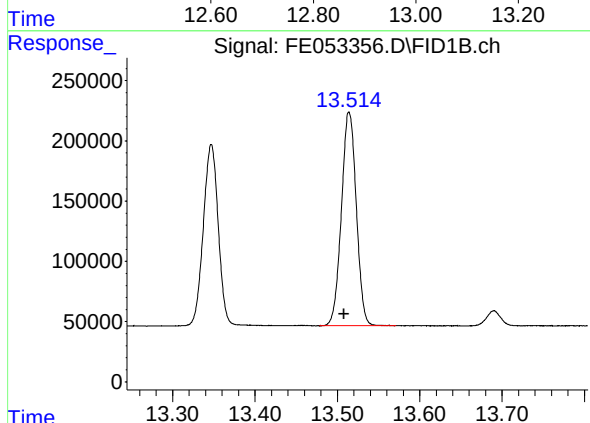
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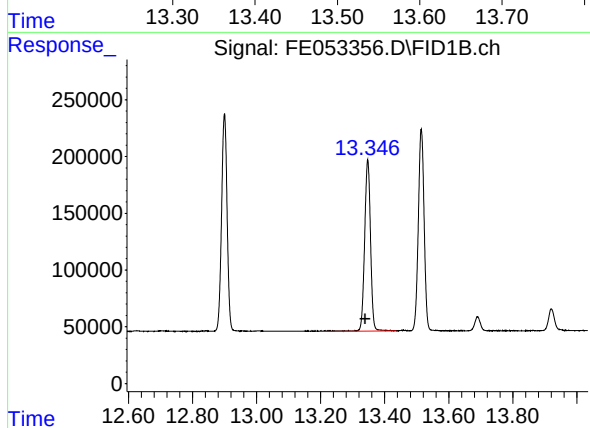
#10 n-Eicosane (C20)

R.T.: 12.900 min
Delta R.T.: 0.006 min
Response: 2297788
Conc: 16.12 ug/ml



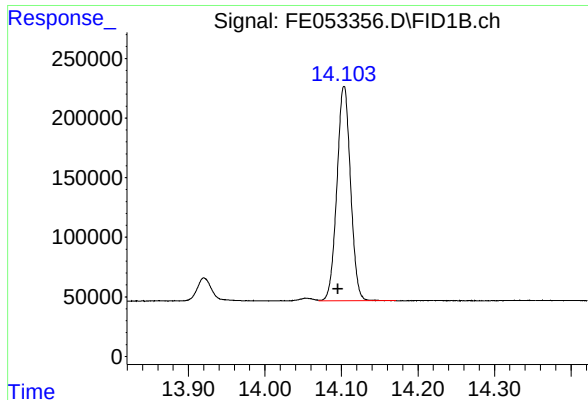
#11 n-Heneicosane (C21)

R.T.: 13.514 min
Delta R.T.: 0.006 min
Response: 2222493
Conc: 16.02 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min
Delta R.T.: 0.007 min
Response: 1938223
Conc: 16.15 ug/ml m



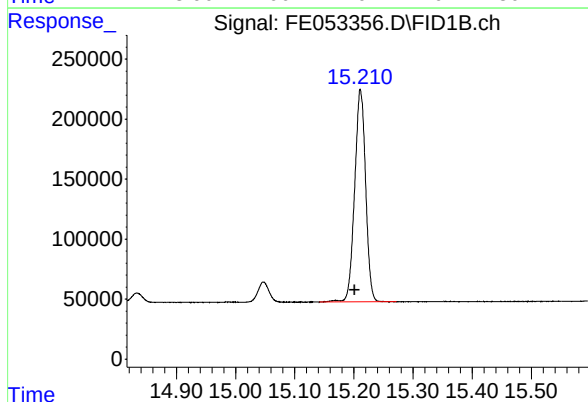
#13 n-Docosane (C22)

R.T.: 14.103 min
Delta R.T.: 0.008 min
Response: 2229776
Conc: 16.28 ug/ml

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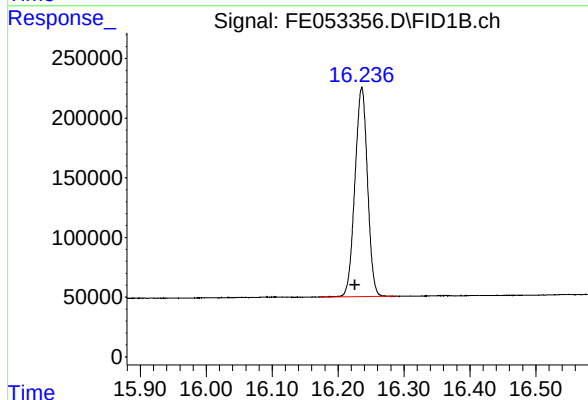
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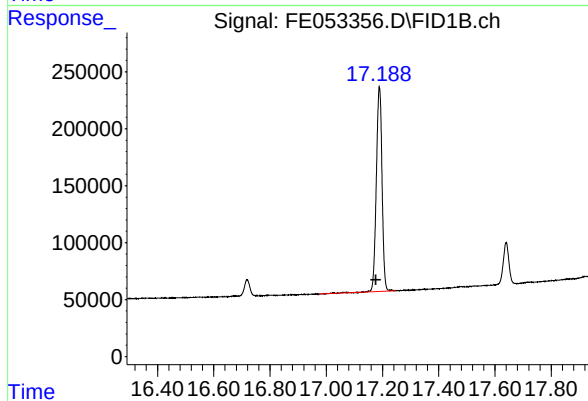
#14 n-Tetracosane (C24)

R.T.: 15.211 min
Delta R.T.: 0.010 min
Response: 2289482
Conc: 16.95 ug/ml



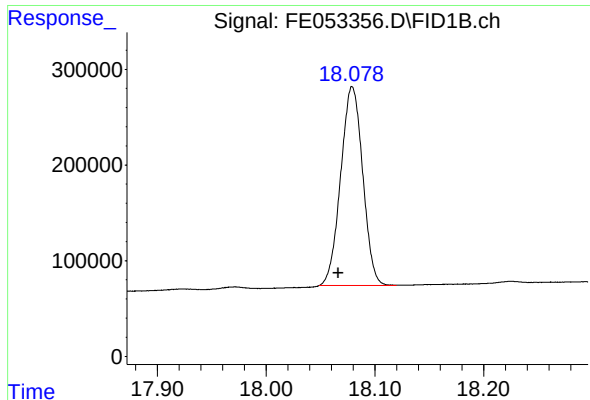
#15 n-Hexacosane (C26)

R.T.: 16.236 min
Delta R.T.: 0.010 min
Response: 2325372
Conc: 17.43 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.189 min
Delta R.T.: 0.012 min
Response: 2527018
Conc: 19.15 ug/ml



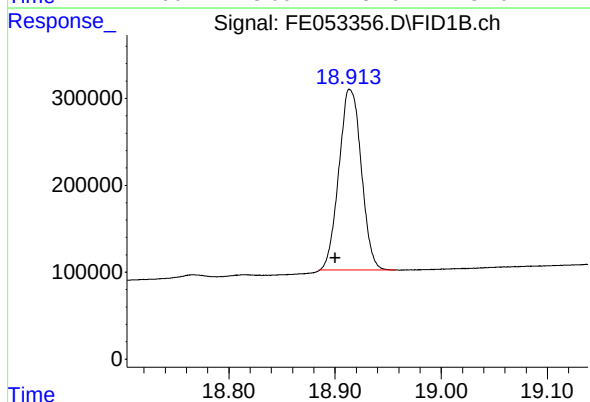
#17 n-Tricontane (C30)

R.T.: 18.078 min
Delta R.T.: 0.012 min
Response: 2922614
Conc: 21.56 ug/ml

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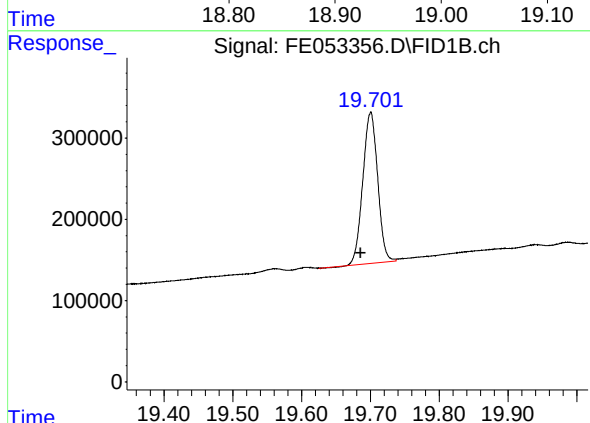
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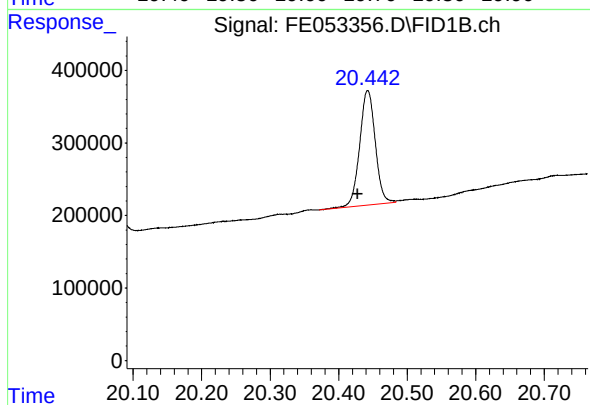
#18 n-Dotriacontane (C32)

R.T.: 18.913 min
Delta R.T.: 0.012 min
Response: 3051143
Conc: 22.67 ug/ml



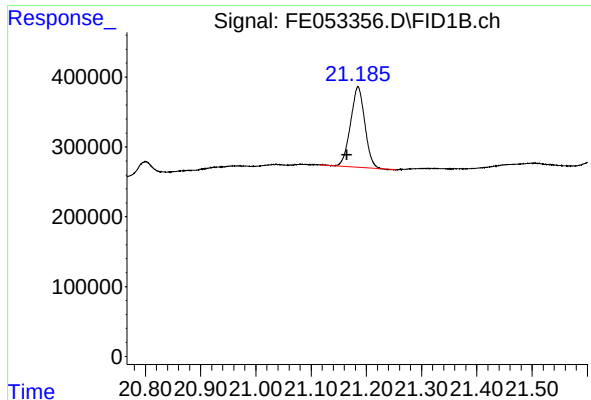
#19 n-Tetratriacontane (C34)

R.T.: 19.700 min
Delta R.T.: 0.014 min
Response: 2790551
Conc: 21.57 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.442 min
Delta R.T.: 0.015 min
Response: 2502553
Conc: 21.07 ug/ml



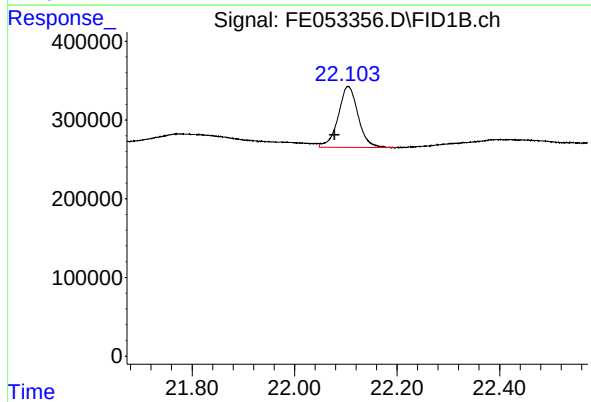
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: 0.020 min
Response: 2077978
Conc: 18.08 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.105 min
Delta R.T.: 0.026 min
Response: 2092736
Conc: 18.63 ug/ml