

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE111824AL\
 Data File : FE051299.D
 Signal(s) : FID1B.ch
 Acq On : 18 Nov 2024 08:50
 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 11/19/2024
 Supervised By :Ankita Jodhani 11/19/2024

Integration File: autoint1.e
 Quant Time: Nov 18 17:26:28 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 110724.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 07 04:56:04 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)	11.854	3148321	20.975 ug/ml
Spiked Amount 50.000		Recovery =	41.95%
12) S 1-chlorooctadecane (S...	13.287	2358810	20.777 ug/ml
Spiked Amount 50.000		Recovery =	41.55%
Target Compounds			
1) T n-Nonane (C9)	3.239	3202995	23.148 ug/ml
2) T n-Decane (C10)	4.489	3235526	23.082 ug/ml
3) T A~Naphthalene (C11.7)	6.204	3021469	22.916 ug/ml
4) T n-Dodecane (C12)	6.658	3201944	22.677 ug/ml
5) T A~2-methylnaphthalene...	7.300	2759600	22.060 ug/ml
6) T n-Tetradecane (C14)	8.485	3071029	22.036 ug/ml
7) T n-Hexadecane (C16)	10.091	3062586	21.582 ug/ml
8) T n-Octadecane (C18)	11.533	3046220	21.331 ug/ml
10) T n-Eicosane (C20)	12.840	2874560	21.004 ug/ml
11) T n-Heneicosane (C21)	13.451	2801698	20.964 ug/ml
13) T n-Docosane (C22)	14.037	2824722	21.246 ug/ml
14) T n-Tetracosane (C24)	15.139	2921783	22.025 ug/ml
15) T n-Hexacosane (C26)	16.158	2960852	22.117 ug/ml
16) T n-Octacosane (C28)	17.108	3020563	22.156 ug/ml
17) T n-Tricontane (C30)	17.995	3138791	21.604 ug/ml
18) T n-Dotriacontane (C32)	18.828	3167632	21.333 ug/ml
19) T n-Tetratriacontane (C34)	19.611	2830020	21.062 ug/ml
20) T n-Hexatriacontane (C36)	20.350	2343582	19.641 ug/ml
21) T n-Octatriacontane (C38)	21.075	2027346	17.812 ug/ml
22) T n-Tetracontane (C40)	21.959	1710107	15.376 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

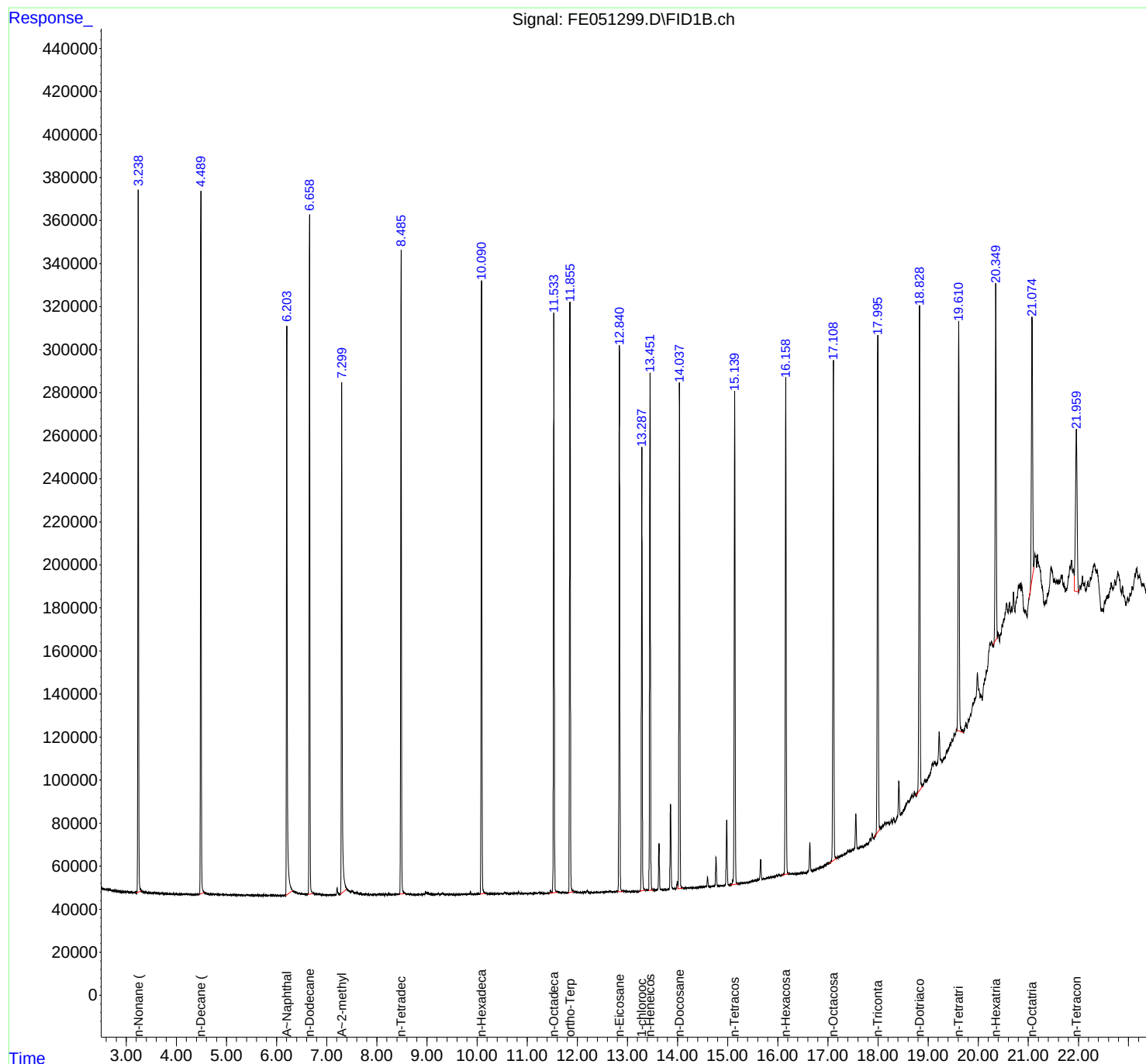
Instrument :
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20 PPM ALIPHATIC HC STD

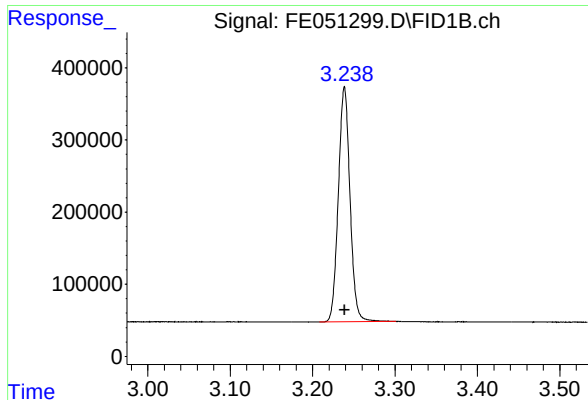
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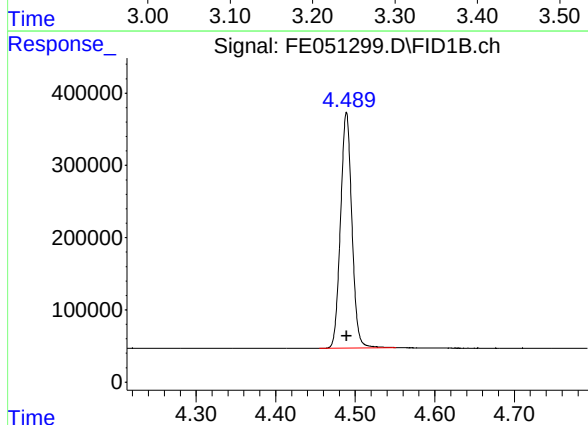
#1 n-Nonane (C9)

R.T.: 3.239 min
Delta R.T.: 0.000 min
Response: 3202995
Conc: 23.15 ug/ml

Instrument :
FID_E
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20 PPM ALIPHATIC HC STD

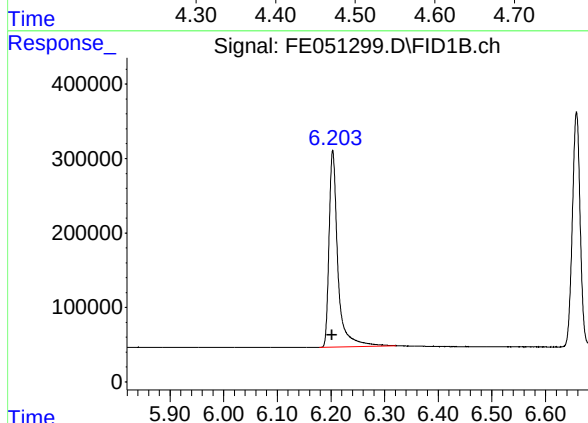
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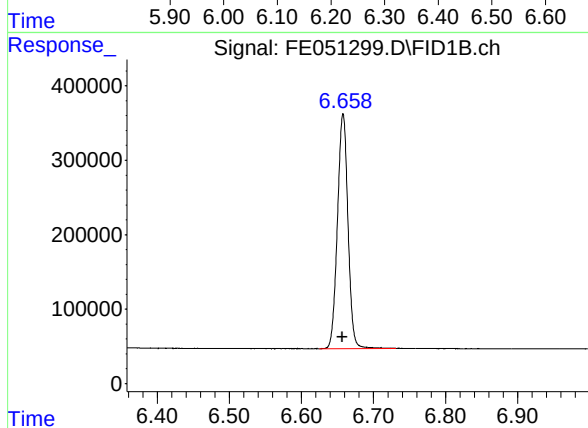
#2 n-Decane (C10)

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 3235526
Conc: 23.08 ug/ml



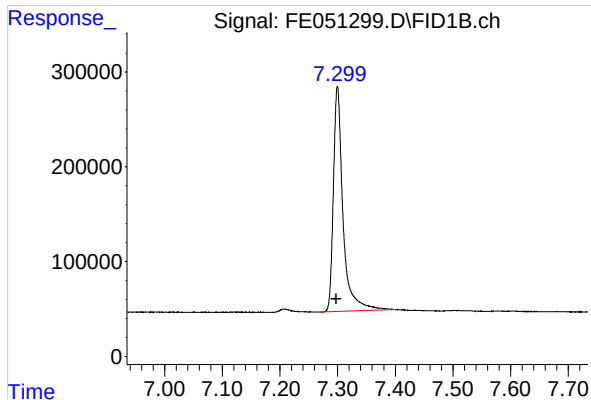
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.002 min
Response: 3021469
Conc: 22.92 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.658 min
Delta R.T.: 0.000 min
Response: 3201944
Conc: 22.68 ug/ml



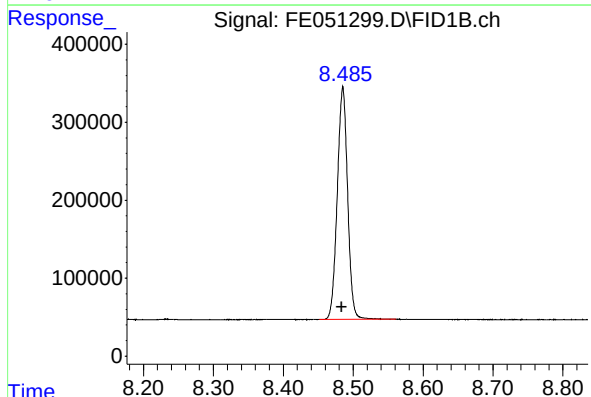
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.300 min
Delta R.T.: 0.002 min
Response: 2759600
Conc: 22.06 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

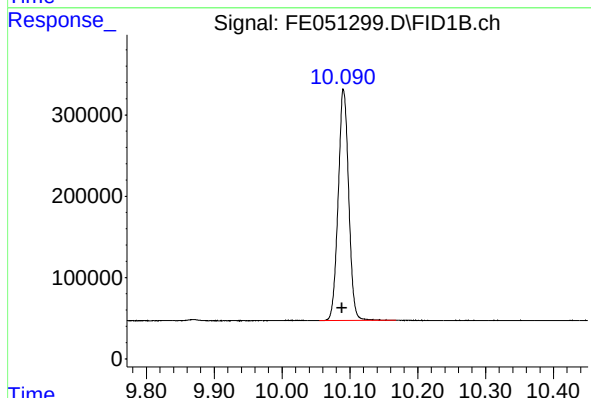
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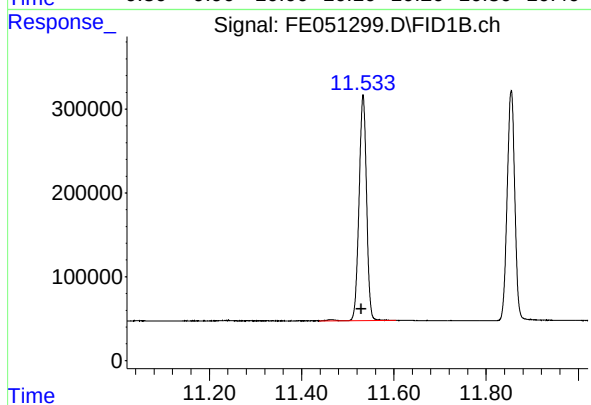
#6 n-Tetradecane (C14)

R.T.: 8.485 min
Delta R.T.: 0.002 min
Response: 3071029
Conc: 22.04 ug/ml



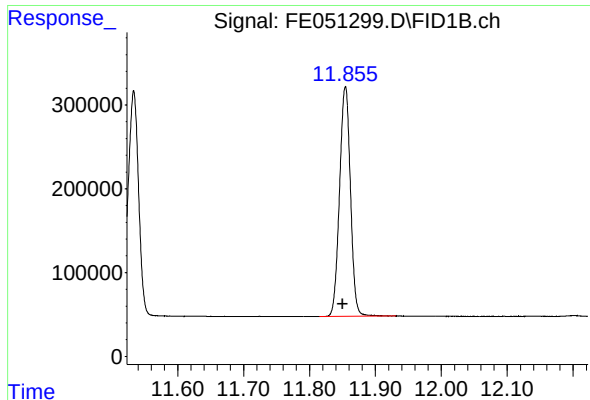
#7 n-Hexadecane (C16)

R.T.: 10.091 min
Delta R.T.: 0.002 min
Response: 3062586
Conc: 21.58 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.533 min
Delta R.T.: 0.004 min
Response: 3046220
Conc: 21.33 ug/ml



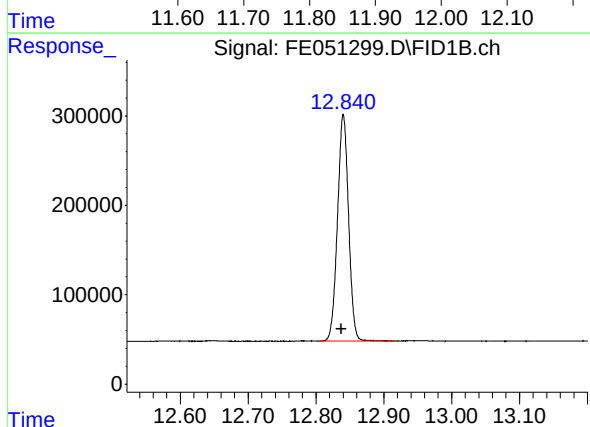
#9 ortho-Terphenyl (SURR)

R.T.: 11.854 min
Delta R.T.: 0.004 min
Response: 3148321
Conc: 20.98 ug/ml

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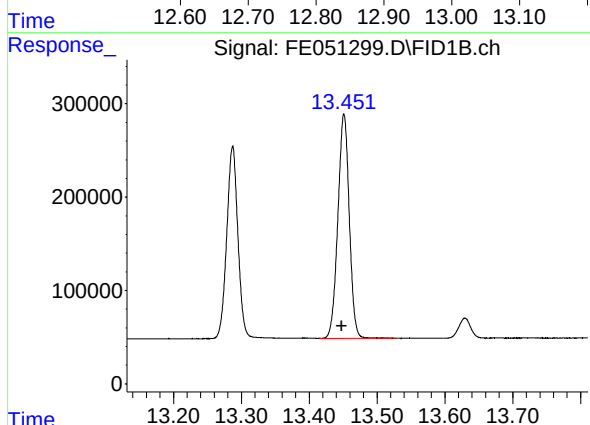
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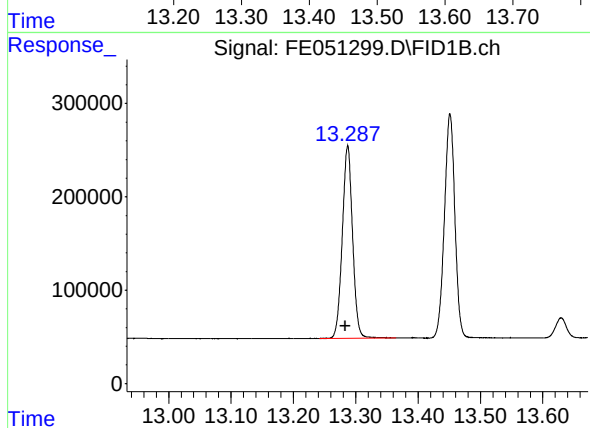
#10 n-Eicosane (C20)

R.T.: 12.840 min
Delta R.T.: 0.003 min
Response: 2874560
Conc: 21.00 ug/ml



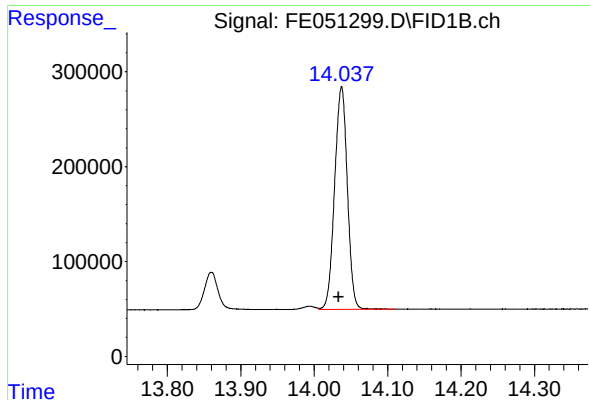
#11 n-Heneicosane (C21)

R.T.: 13.451 min
Delta R.T.: 0.003 min
Response: 2801698
Conc: 20.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.287 min
Delta R.T.: 0.004 min
Response: 2358810
Conc: 20.78 ug/ml



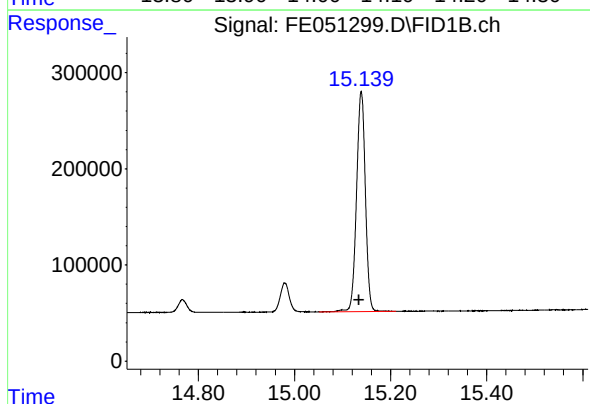
#13 n-Docosane (C22)

R.T.: 14.037 min
Delta R.T.: 0.004 min
Response: 2824722
Conc: 21.25 ug/ml

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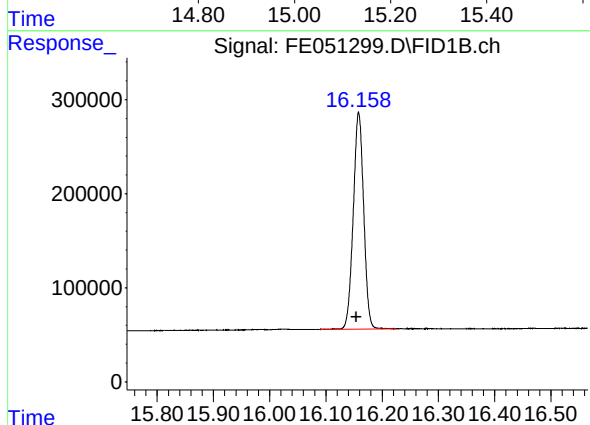
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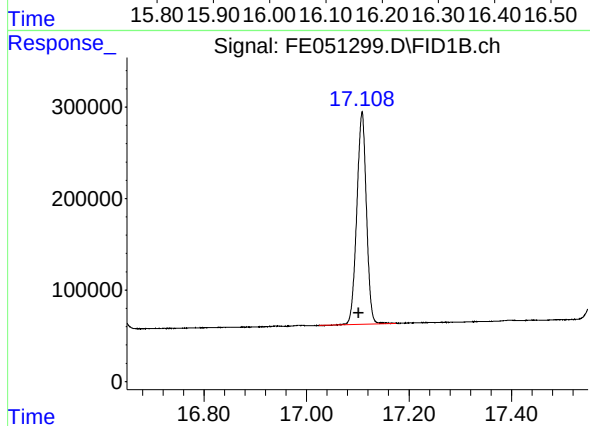
#14 n-Tetracosane (C24)

R.T.: 15.139 min
Delta R.T.: 0.005 min
Response: 2921783
Conc: 22.02 ug/ml



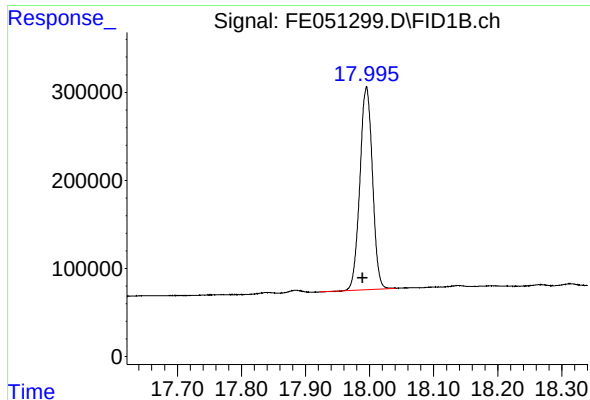
#15 n-Hexacosane (C26)

R.T.: 16.158 min
Delta R.T.: 0.005 min
Response: 2960852
Conc: 22.12 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.108 min
Delta R.T.: 0.006 min
Response: 3020563
Conc: 22.16 ug/ml



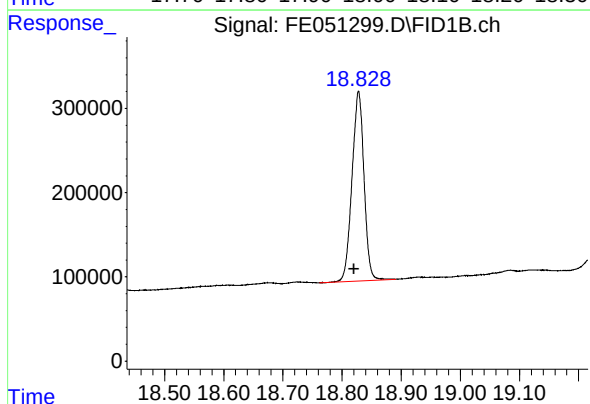
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: 0.006 min
Response: 3138791
Conc: 21.60 ug/ml

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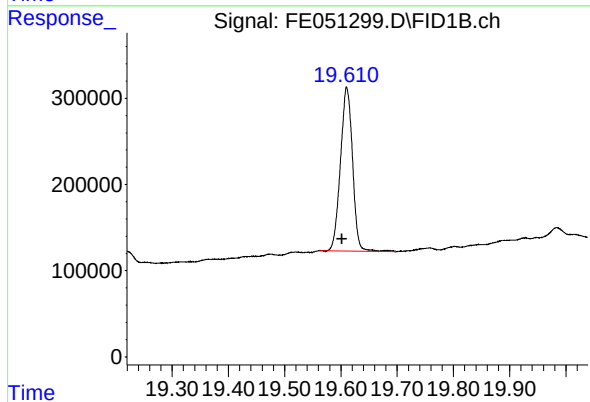
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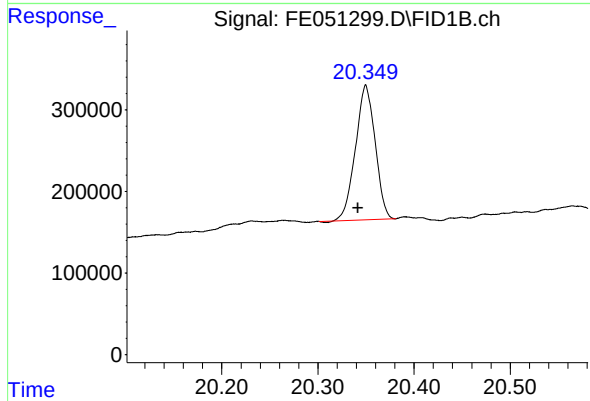
#18 n-Dotriacontane (C32)

R.T.: 18.828 min
Delta R.T.: 0.008 min
Response: 3167632
Conc: 21.33 ug/ml



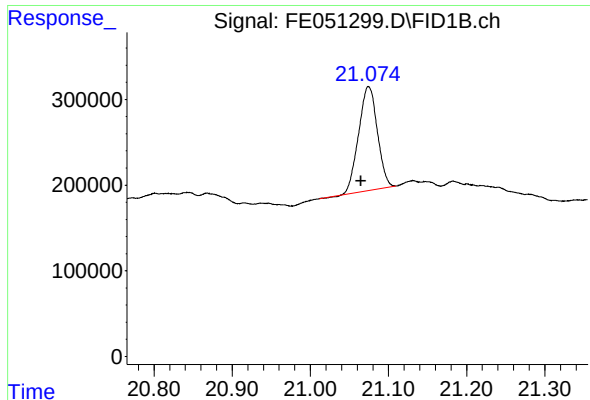
#19 n-Tetratriacontane (C34)

R.T.: 19.611 min
Delta R.T.: 0.008 min
Response: 2830020
Conc: 21.06 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.350 min
Delta R.T.: 0.008 min
Response: 2343582
Conc: 19.64 ug/ml



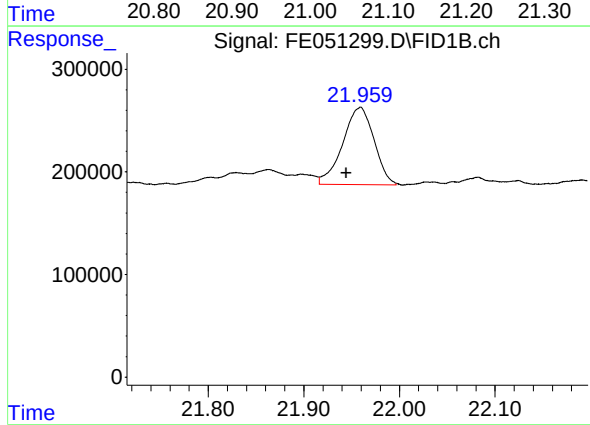
#21 n-Octatriacontane (C38)

R.T.: 21.075 min
Delta R.T.: 0.010 min
Response: 2027346
Conc: 17.81 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: 0.014 min
Response: 1710107
Conc: 15.38 ug/ml m