

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102425AL\
 Data File : FE056504.D
 Signal(s) : FID1B.ch
 Acq On : 24 Oct 2025 23:02
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File: autoint1.e
 Quant Time: Oct 25 02:12:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 24 08:17:58 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)	11.993	3574621	17.498 ug/ml
Spiked Amount 50.000		Recovery =	35.00%
12) S 1-chlorooctadecane (S...	13.432	2677497	17.548 ug/ml
Spiked Amount 50.000		Recovery =	35.10%
Target Compounds			
1) T n-Nonane (C9)	3.348	2868068	17.596 ug/ml
2) T n-Decane (C10)	4.600	3085994	18.765 ug/mlm
3) T A~Naphthalene (C11.7)	6.314	3237276	18.313 ug/ml
4) T n-Dodecane (C12)	6.774	3181080	18.960 ug/ml
5) T A~2-methylnaphthalene...	7.415	3103559	18.626 ug/ml
6) T n-Tetradecane (C14)	8.609	3149004	18.955 ug/ml
7) T n-Hexadecane (C16)	10.222	3258483	18.624 ug/ml
8) T n-Octadecane (C18)	11.671	3310211	18.147 ug/ml
10) T n-Eicosane (C20)	12.985	3145321	17.665 ug/ml
11) T n-Heneicosane (C21)	13.599	3068905	17.492 ug/ml
13) T n-Docosane (C22)	14.187	3054012	17.253 ug/ml
14) T n-Tetracosane (C24)	15.294	3054754	16.790 ug/ml
15) T n-Hexacosane (C26)	16.317	2980446	16.603 ug/ml
16) T n-Octacosane (C28)	17.270	3020950	16.981 ug/ml
17) T n-Tricontane (C30)	18.160	3336229	18.375 ug/ml
18) T n-Dotriacontane (C32)	18.994	3419133	19.394 ug/ml
19) T n-Tetratriacontane (C34)	19.779	3118640	20.146 ug/ml
20) T n-Hexatriacontane (C36)	20.519	2609790	20.889 ug/mlm
21) T n-Octatriacontane (C38)	21.278	2309781	22.107 ug/mlm
22) T n-Tetracontane (C40)	22.232	2174080	23.959 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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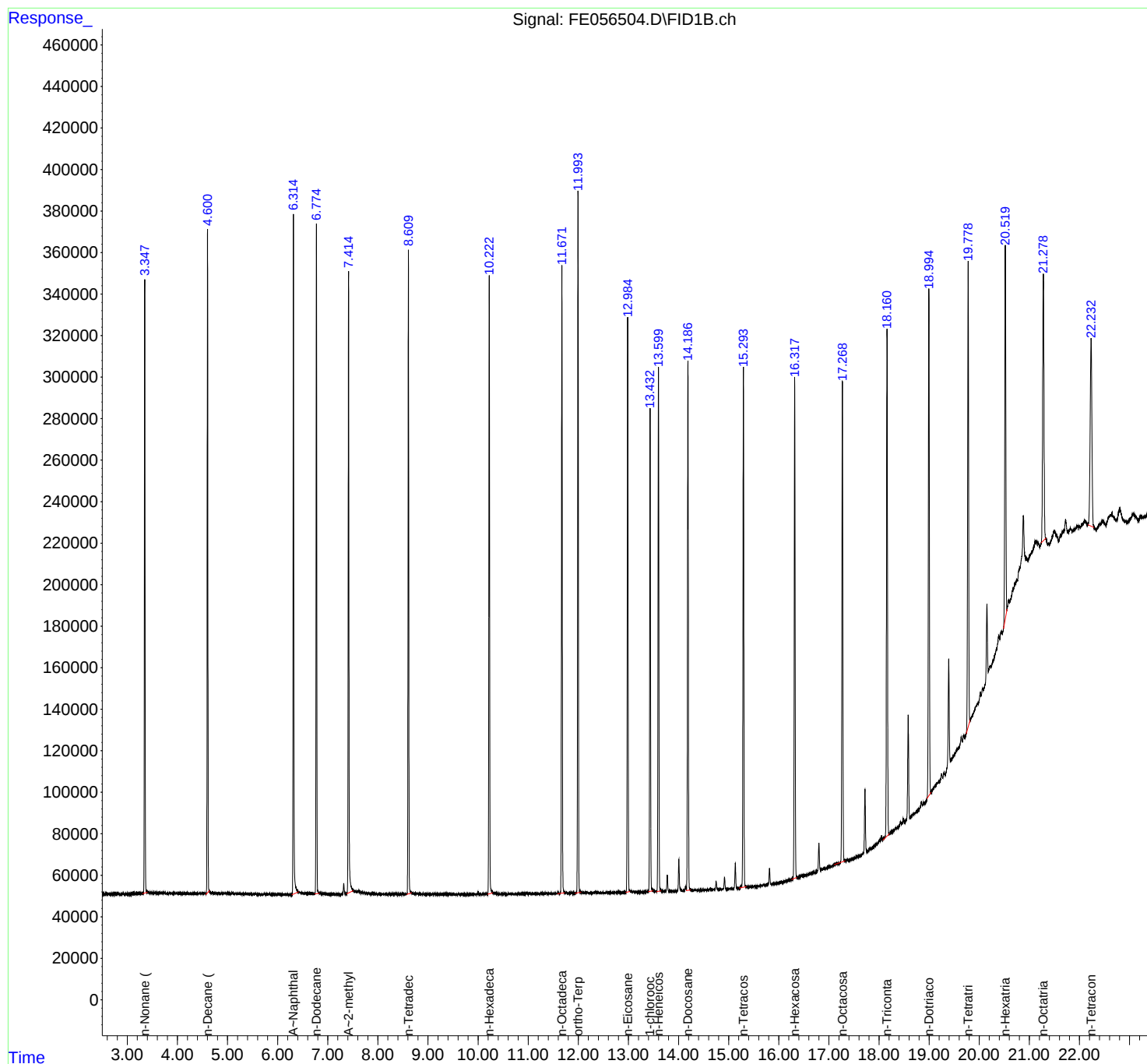
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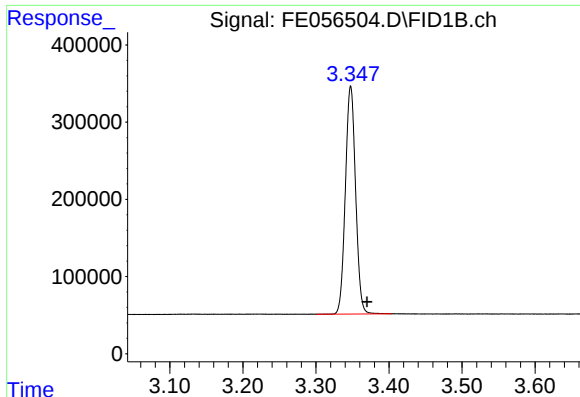
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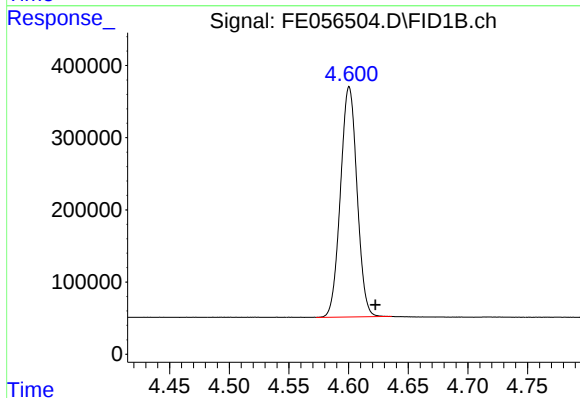
#1 n-Nonane (C9)

R.T.: 3.348 min
Delta R.T.: -0.022 min
Response: 2868068
Conc: 17.60 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

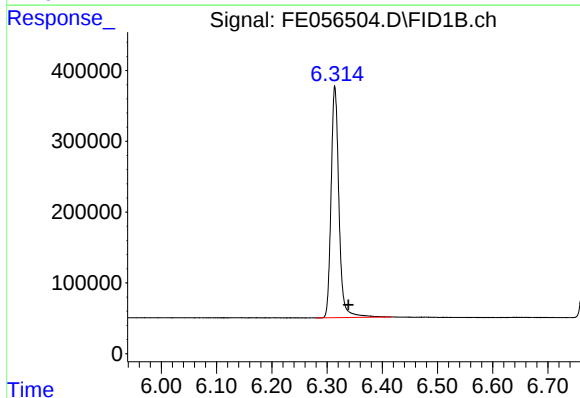
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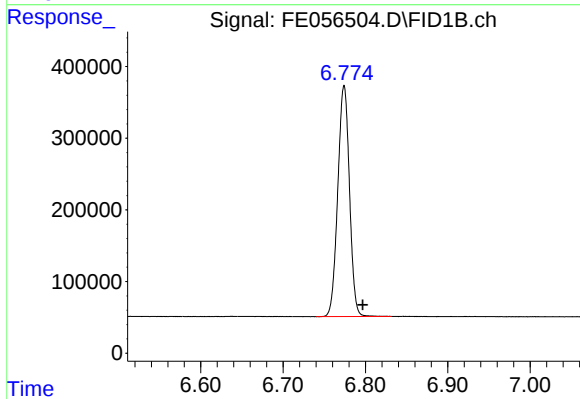
#2 n-Decane (C10)

R.T.: 4.600 min
Delta R.T.: -0.022 min
Response: 3085994
Conc: 18.77 ug/ml m



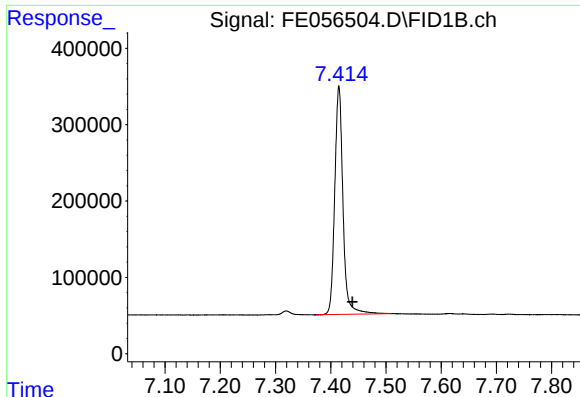
#3 A~Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: -0.024 min
Response: 3237276
Conc: 18.31 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.774 min
Delta R.T.: -0.023 min
Response: 3181080
Conc: 18.96 ug/ml



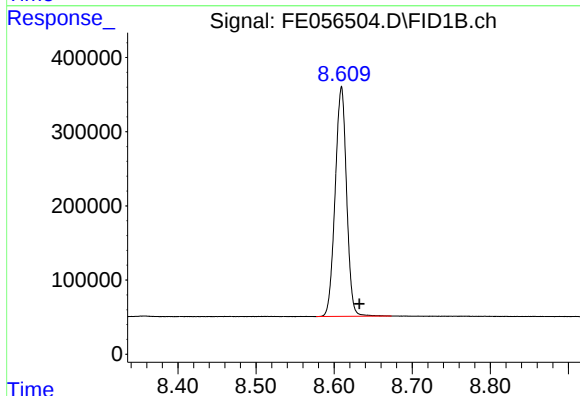
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.415 min
Delta R.T.: -0.024 min
Response: 3103559
Conc: 18.63 ug/ml

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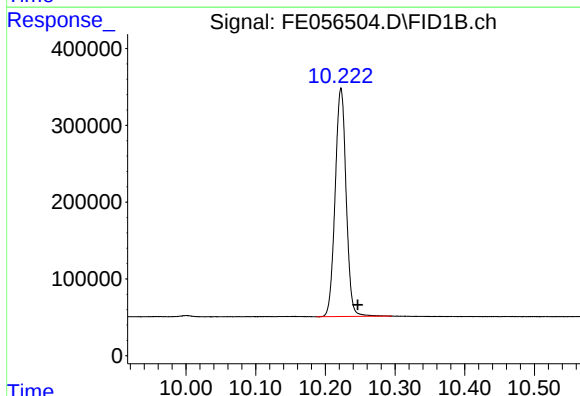
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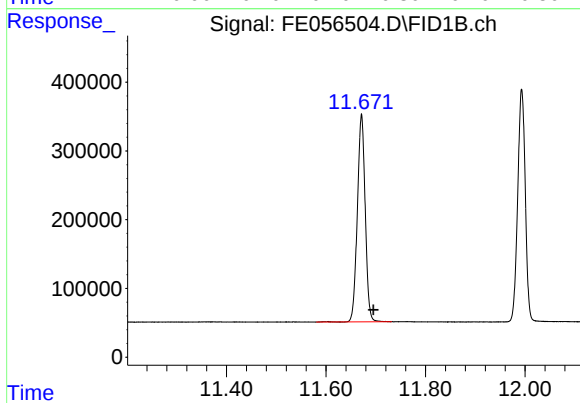
#6 n-Tetradecane (C14)

R.T.: 8.609 min
Delta R.T.: -0.023 min
Response: 3149004
Conc: 18.95 ug/ml



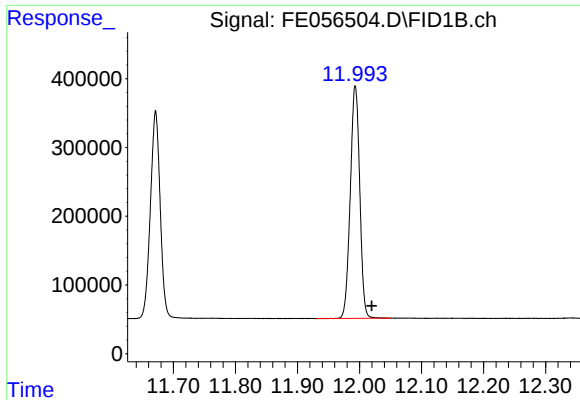
#7 n-Hexadecane (C16)

R.T.: 10.222 min
Delta R.T.: -0.024 min
Response: 3258483
Conc: 18.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.671 min
Delta R.T.: -0.024 min
Response: 3310211
Conc: 18.15 ug/ml



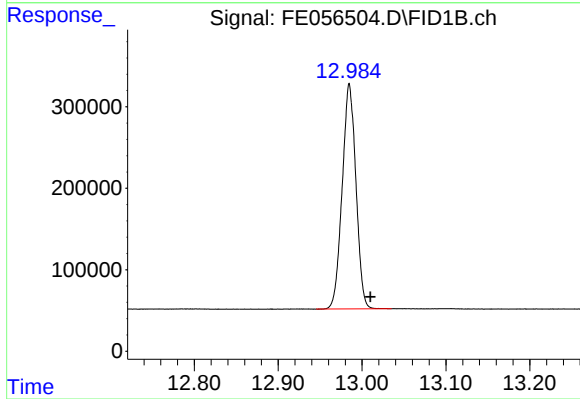
#9 ortho-Terphenyl (SURR)

R.T.: 11.993 min
Delta R.T.: -0.026 min
Response: 3574621
Conc: 17.50 ug/ml

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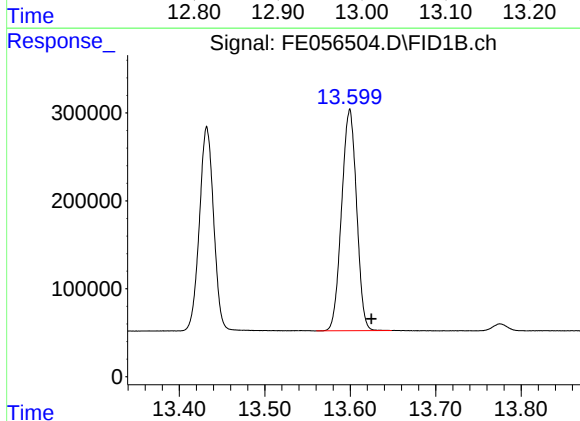
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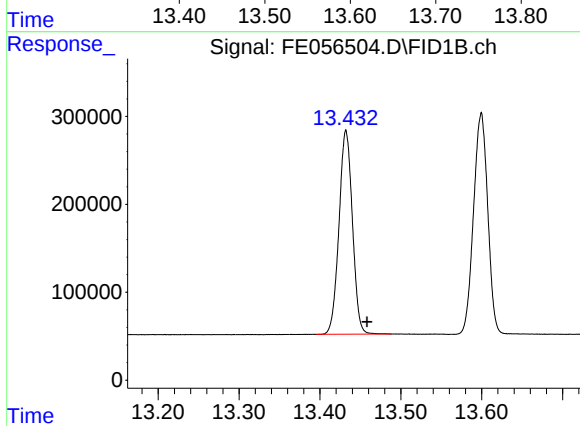
#10 n-Eicosane (C20)

R.T.: 12.985 min
Delta R.T.: -0.025 min
Response: 3145321
Conc: 17.67 ug/ml



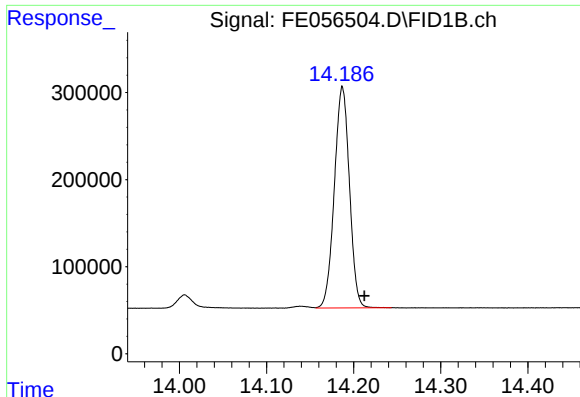
#11 n-Heneicosane (C21)

R.T.: 13.599 min
Delta R.T.: -0.025 min
Response: 3068905
Conc: 17.49 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.432 min
Delta R.T.: -0.026 min
Response: 2677497
Conc: 17.55 ug/ml



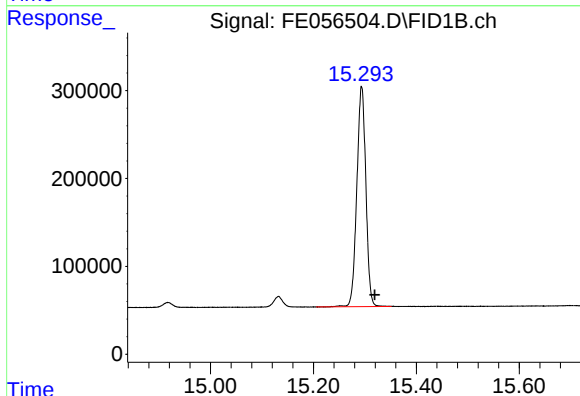
#13 n-Docosane (C22)

R.T.: 14.187 min
Delta R.T.: -0.025 min
Response: 3054012
Conc: 17.25 ug/ml

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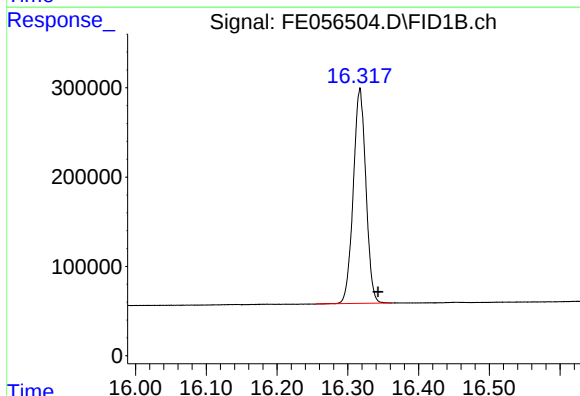
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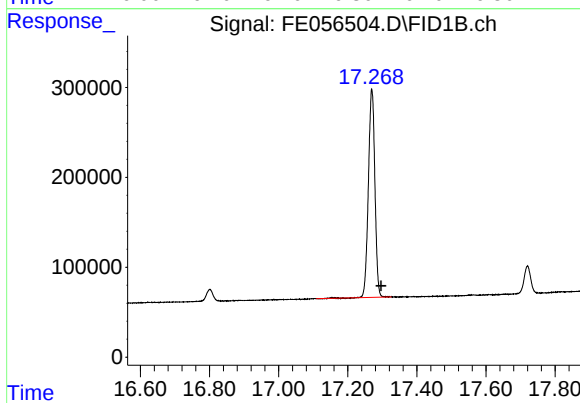
#14 n-Tetracosane (C24)

R.T.: 15.294 min
Delta R.T.: -0.025 min
Response: 3054754
Conc: 16.79 ug/ml



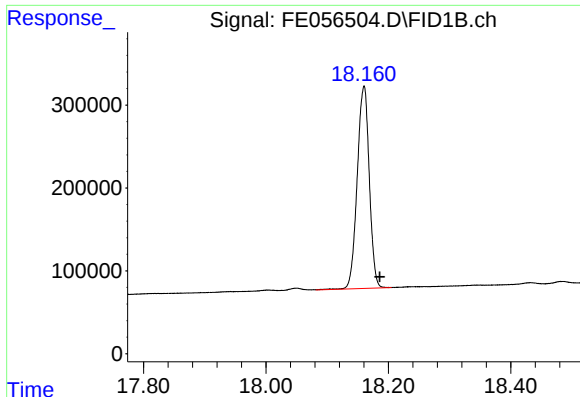
#15 n-Hexacosane (C26)

R.T.: 16.317 min
Delta R.T.: -0.026 min
Response: 2980446
Conc: 16.60 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.270 min
Delta R.T.: -0.026 min
Response: 3020950
Conc: 16.98 ug/ml



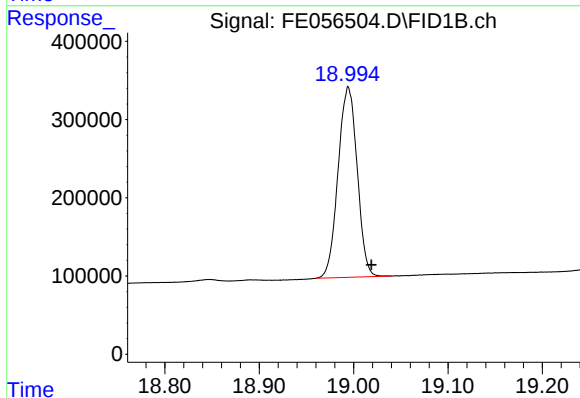
#17 n-Tricontane (C30)

R.T.: 18.160 min
Delta R.T.: -0.026 min
Response: 3336229
Conc: 18.38 ug/ml

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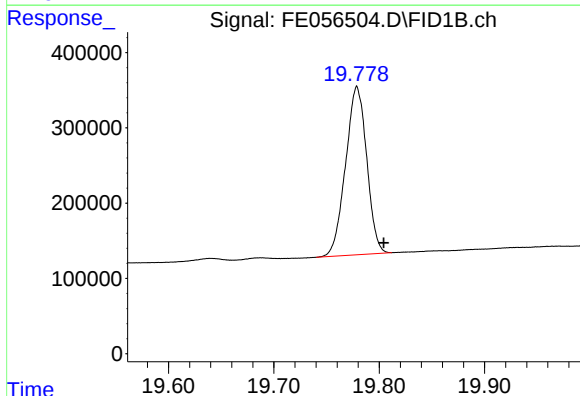
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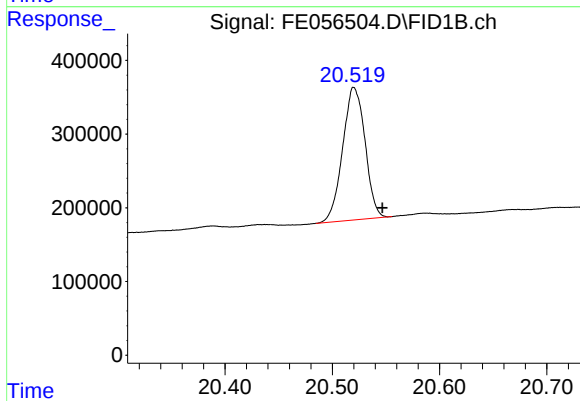
#18 n-Dotriacontane (C32)

R.T.: 18.994 min
Delta R.T.: -0.025 min
Response: 3419133
Conc: 19.39 ug/ml



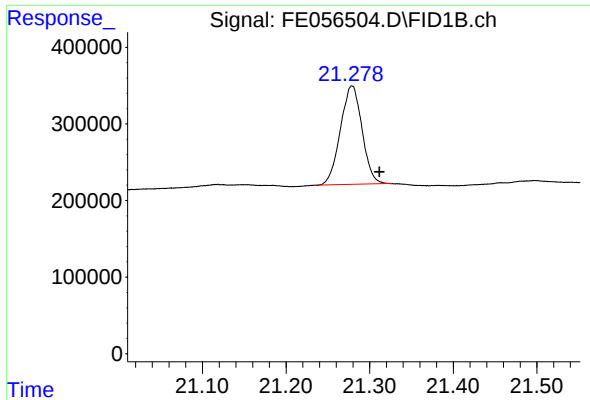
#19 n-Tetratriacontane (C34)

R.T.: 19.779 min
Delta R.T.: -0.025 min
Response: 3118640
Conc: 20.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.519 min
Delta R.T.: -0.028 min
Response: 2609790
Conc: 20.89 ug/ml m



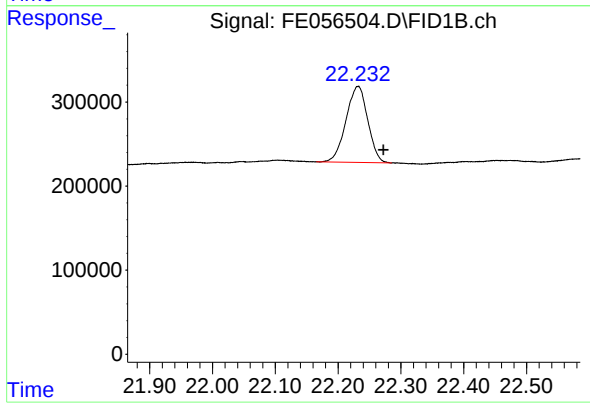
#21 n-Octatriacontane (C38)

R.T.: 21.278 min
Delta R.T.: -0.034 min
Response: 2309781
Conc: 22.11 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.232 min
Delta R.T.: -0.040 min
Response: 2174080
Conc: 23.96 ug/ml m