

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE110122AL\
 Data File : FE038500.D
 Signal(s) : FID1B.ch
 Acq On : 01 Nov 2022 22:27
 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 11/02/2022
 Supervised By :Ankita Jodhani 11/02/2022

Integration File: autoint1.e
 Quant Time: Nov 02 07:04:47 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aliphatic EPH 102522.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 26 04:49:29 2022
 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)	11.967	3225441	18.745 ug/ml
Spiked Amount 50.000		Recovery =	37.49%
12) S 1-chlorooctadecane (S...	13.399	2521769	18.420 ug/ml
Spiked Amount 50.000		Recovery =	36.84%
Target Compounds			
1) T n-Nonane (C9)	3.365	3142818	20.406 ug/ml
2) T n-Decane (C10)	4.613	3169501	20.419 ug/ml
3) T A~Naphthalene (C11.7)	6.315	3379640	19.956 ug/ml
4) T n-Dodecane (C12)	6.775	3174819	20.323 ug/ml
5) T A~2-methylnaphthalene...	7.409	3296794	19.672 ug/ml
6) T n-Tetradecane (C14)	8.600	3145068	20.111 ug/ml
7) T n-Hexadecane (C16)	10.205	3123767	19.772 ug/ml
8) T n-Octadecane (C18)	11.647	3097192	19.336 ug/ml
10) T n-Eicosane (C20)	12.955	3029300	18.801 ug/ml
11) T n-Heneicosane (C21)	13.567	2993030	18.529 ug/ml
13) T n-Docosane (C22)	14.152	2963702	18.358 ug/ml
14) T n-Tetracosane (C24)	15.253	2881831	17.967 ug/ml
15) T n-Hexacosane (C26)	16.272	2821804	17.766 ug/ml
16) T n-Octacosane (C28)	17.221	2798362	17.836 ug/ml
17) T n-Tricontane (C30)	18.106	2909166	18.233 ug/mlm
18) T n-Dotriacontane (C32)	18.938	2980452	18.903 ug/ml
19) T n-Tetratriacontane (C34)	19.719	2877959	19.522 ug/mlm
20) T n-Hexatriacontane (C36)	20.459	2921849	20.449 ug/ml
21) T n-Octatriacontane (C38)	21.200	3008030	22.271 ug/ml
22) T n-Tetracontane (C40)	22.124	3090166	24.480 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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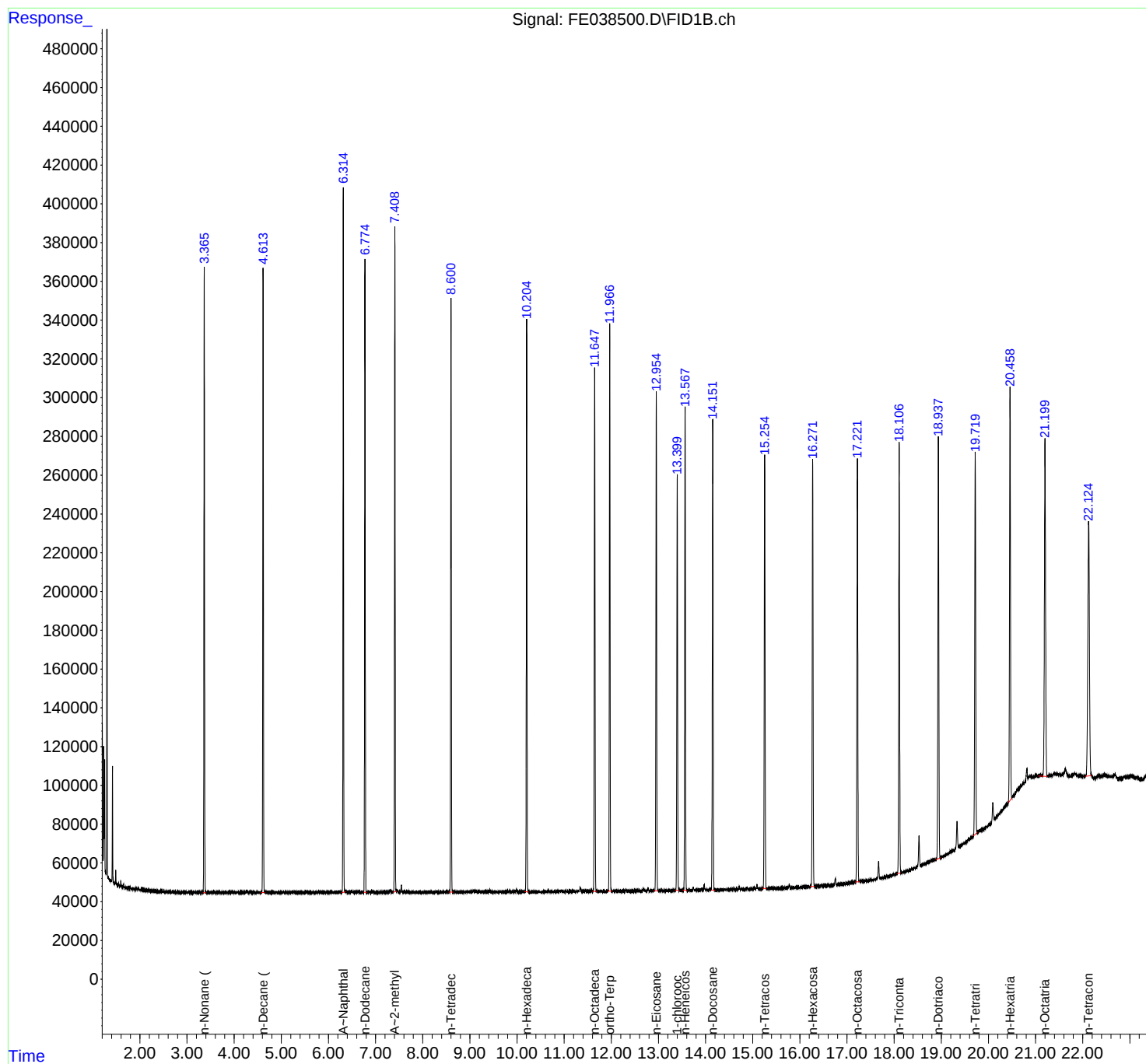
Instrument :
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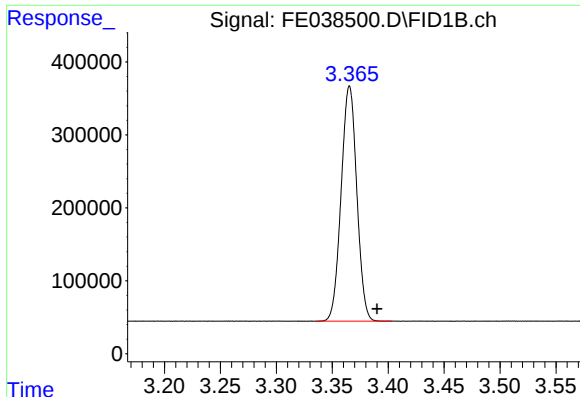
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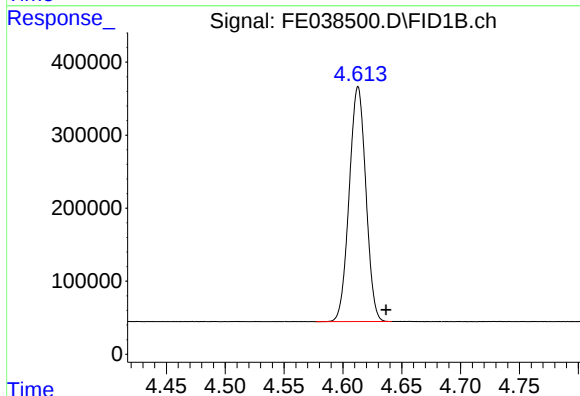
#1 n-Nonane (C9)

R.T.: 3.365 min
Delta R.T.: -0.025 min
Response: 3142818
Conc: 20.41 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

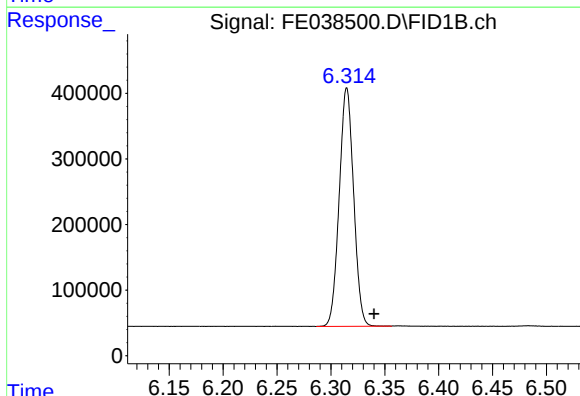
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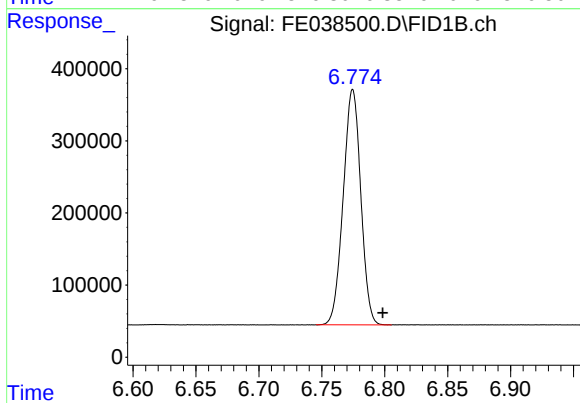
#2 n-Decane (C10)

R.T.: 4.613 min
Delta R.T.: -0.024 min
Response: 3169501
Conc: 20.42 ug/ml



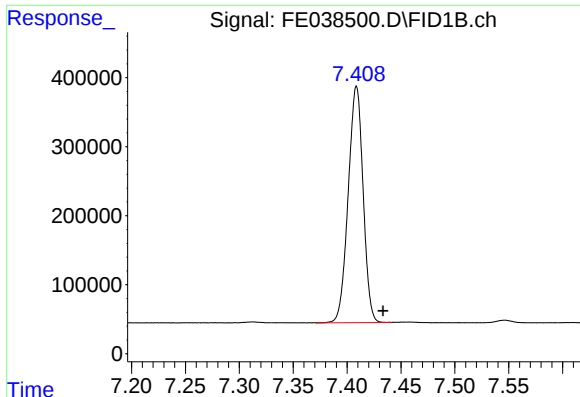
#3 A~Naphthalene (C11.7)

R.T.: 6.315 min
Delta R.T.: -0.025 min
Response: 3379640
Conc: 19.96 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.775 min
Delta R.T.: -0.024 min
Response: 3174819
Conc: 20.32 ug/ml



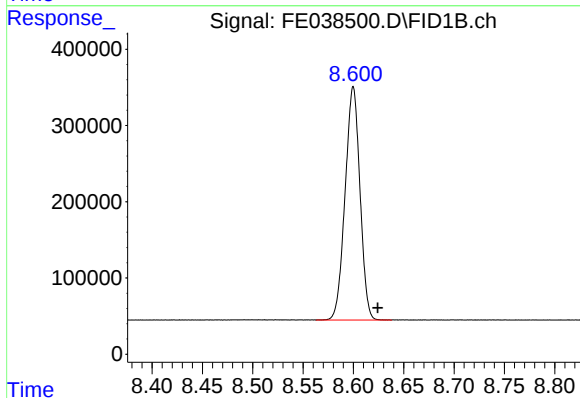
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.409 min
Delta R.T.: -0.025 min
Response: 3296794
Conc: 19.67 ug/ml

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20 PPM ALIPHATIC HC STD

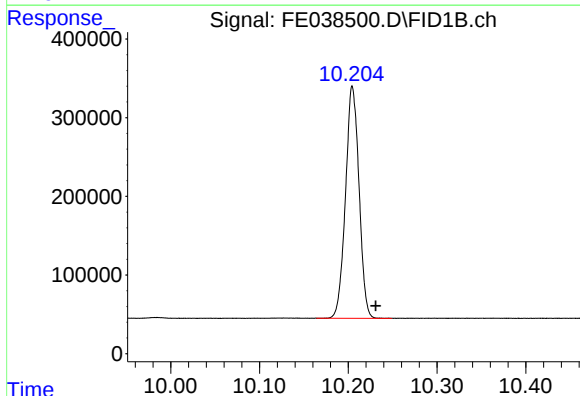
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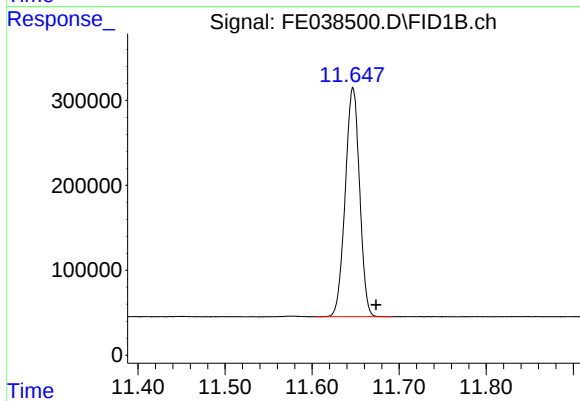
#6 n-Tetradecane (C14)

R.T.: 8.600 min
Delta R.T.: -0.025 min
Response: 3145068
Conc: 20.11 ug/ml



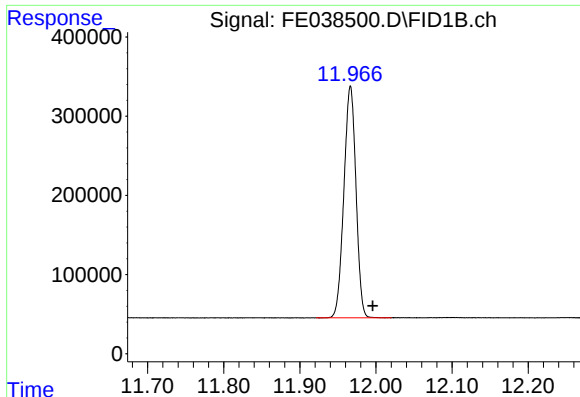
#7 n-Hexadecane (C16)

R.T.: 10.205 min
Delta R.T.: -0.026 min
Response: 3123767
Conc: 19.77 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.647 min
Delta R.T.: -0.026 min
Response: 3097192
Conc: 19.34 ug/ml



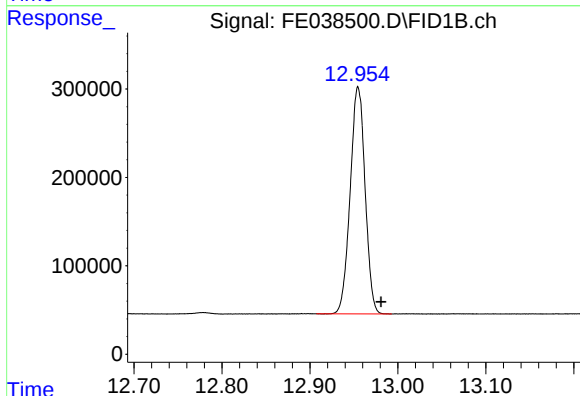
#9 ortho-Terphenyl (SURR)

R.T.: 11.967 min
Delta R.T.: -0.029 min
Response: 3225441
Conc: 18.74 ug/ml

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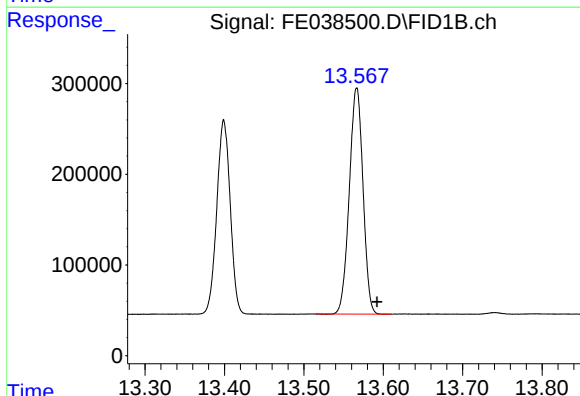
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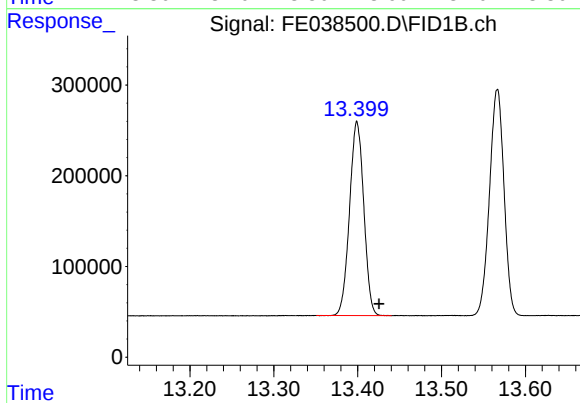
#10 n-Eicosane (C20)

R.T.: 12.955 min
Delta R.T.: -0.026 min
Response: 3029300
Conc: 18.80 ug/ml



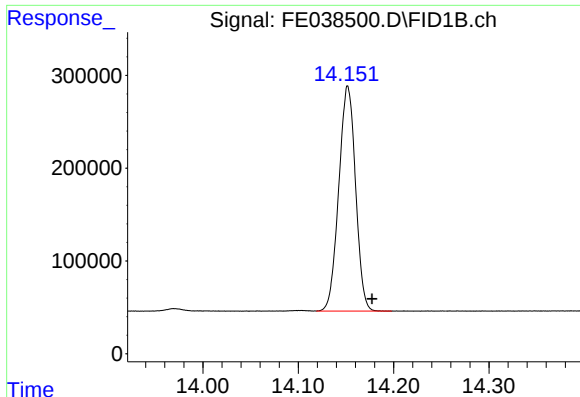
#11 n-Heneicosane (C21)

R.T.: 13.567 min
Delta R.T.: -0.025 min
Response: 2993030
Conc: 18.53 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.399 min
Delta R.T.: -0.027 min
Response: 2521769
Conc: 18.42 ug/ml



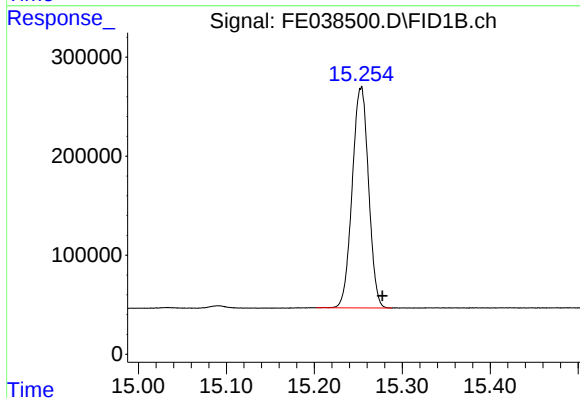
#13 n-Docosane (C22)

R.T.: 14.152 min
Delta R.T.: -0.026 min
Response: 2963702
Conc: 18.36 ug/ml

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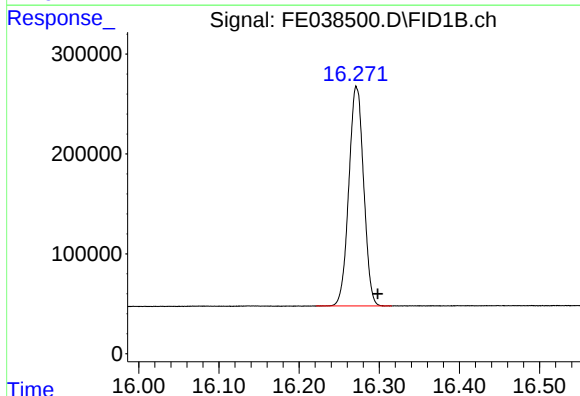
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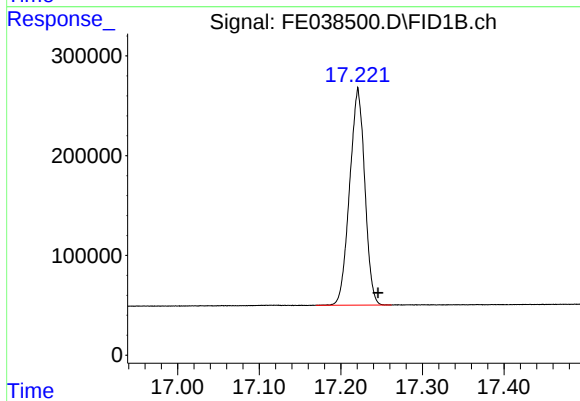
#14 n-Tetracosane (C24)

R.T.: 15.253 min
Delta R.T.: -0.024 min
Response: 2881831
Conc: 17.97 ug/ml



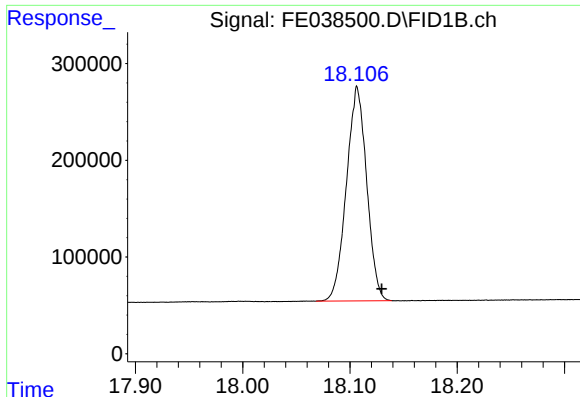
#15 n-Hexacosane (C26)

R.T.: 16.272 min
Delta R.T.: -0.027 min
Response: 2821804
Conc: 17.77 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.221 min
Delta R.T.: -0.025 min
Response: 2798362
Conc: 17.84 ug/ml



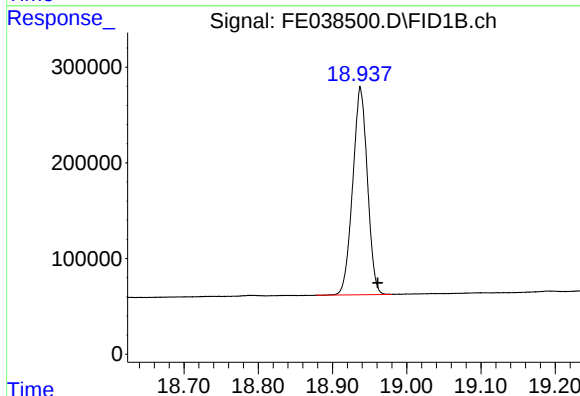
#17 n-Tricontane (C30)

R.T.: 18.106 min
Delta R.T.: -0.024 min
Response: 2909166
Conc: 18.23 ug/ml

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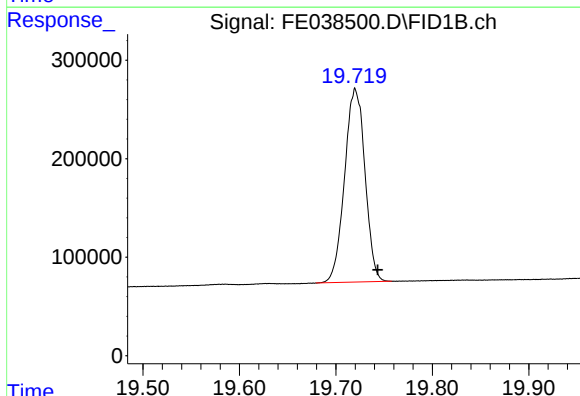
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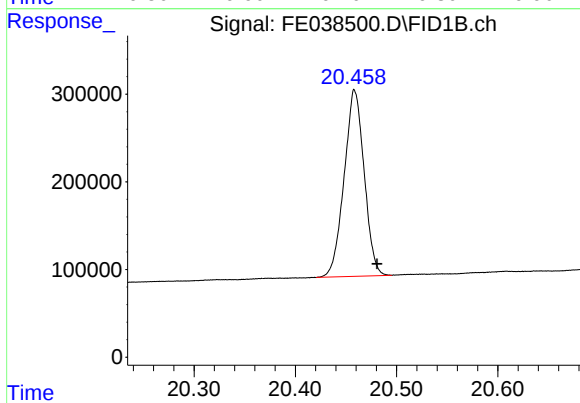
#18 n-Dotriacontane (C32)

R.T.: 18.938 min
Delta R.T.: -0.024 min
Response: 2980452
Conc: 18.90 ug/ml



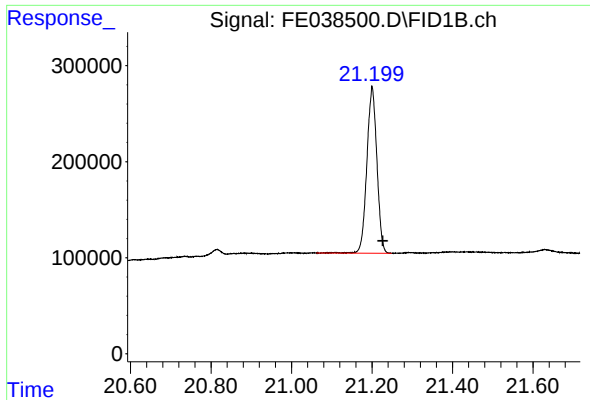
#19 n-Tetratriacontane (C34)

R.T.: 19.719 min
Delta R.T.: -0.024 min
Response: 2877959
Conc: 19.52 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.459 min
Delta R.T.: -0.022 min
Response: 2921849
Conc: 20.45 ug/ml



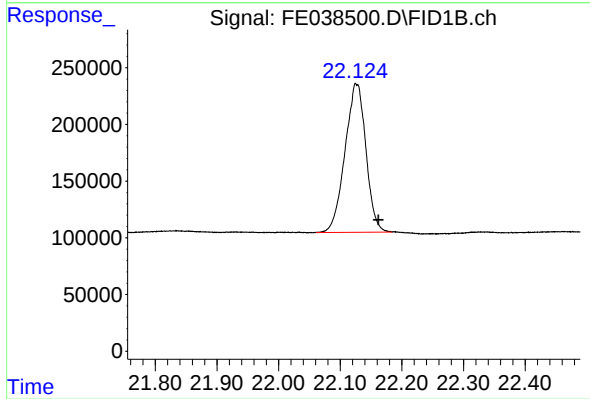
#21 n-Octatriacontane (C38)

R.T.: 21.200 min
Delta R.T.: -0.027 min
Response: 3008030
Conc: 22.27 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.124 min
Delta R.T.: -0.038 min
Response: 3090166
Conc: 24.48 ug/ml m