

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091523AL\
 Data File : FE044325.D
 Signal(s) : FID1B.ch
 Acq On : 16 Sep 2023 01:45
 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 09/18/2023
 Supervised By :Ankita Jodhani 09/18/2023

Integration File: autoint1.e
 Quant Time: Sep 16 03:47:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 083023.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 31 03:37:37 2023
 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)	11.930	3847869	20.311 ug/ml
Spiked Amount 50.000		Recovery =	40.62%
12) S 1-chlorooctadecane (S...	13.367	2869705	20.773 ug/ml
Spiked Amount 50.000		Recovery =	41.55%
Target Compounds			
1) T n-Nonane (C9)	3.316	3244418	19.888 ug/ml
2) T n-Decane (C10)	4.568	3297169	19.837 ug/ml
3) T A~Naphthalene (C11.7)	6.269	3594182	20.071 ug/ml
4) T n-Dodecane (C12)	6.732	3336552	19.840 ug/ml
5) T A~2-methylnaphthalene...	7.365	3502638	20.431 ug/ml
6) T n-Tetradecane (C14)	8.559	3309196	19.732 ug/ml
7) T n-Hexadecane (C16)	10.168	3358977	19.435 ug/ml
8) T n-Octadecane (C18)	11.612	3342328	19.201 ug/ml
10) T n-Eicosane (C20)	12.923	3210122	19.407 ug/ml
11) T n-Heneicosane (C21)	13.535	3138916	19.406 ug/ml
13) T n-Docosane (C22)	14.122	3078560	19.270 ug/ml
14) T n-Tetracosane (C24)	15.226	2994663	19.150 ug/ml
15) T n-Hexacosane (C26)	16.248	2908134	19.290 ug/ml
16) T n-Octacosane (C28)	17.201	2845037	19.715 ug/ml
17) T n-Tricontane (C30)	18.088	2934399	20.198 ug/ml
18) T n-Dotriacontane (C32)	18.923	2988677	20.981 ug/ml
19) T n-Tetratriacontane (C34)	19.707	2917949	20.852 ug/mlm
20) T n-Hexatriacontane (C36)	20.451	2935652	21.413 ug/mlm
21) T n-Octatriacontane (C38)	21.194	2988519	21.529 ug/ml
22) T n-Tetracontane (C40)	22.115	3140269	22.713 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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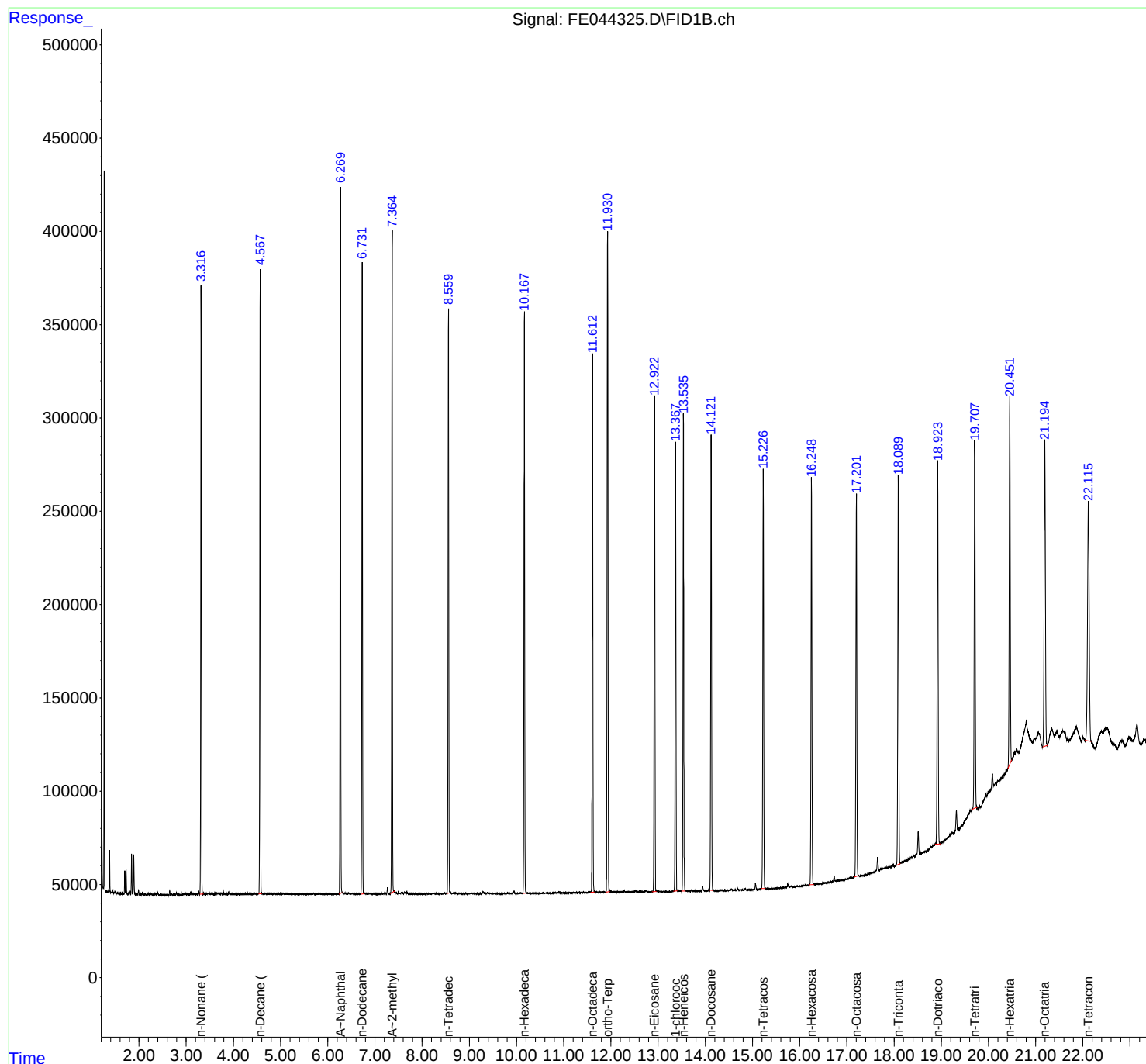
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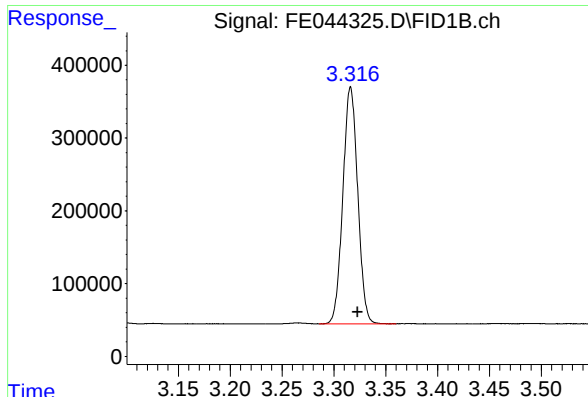
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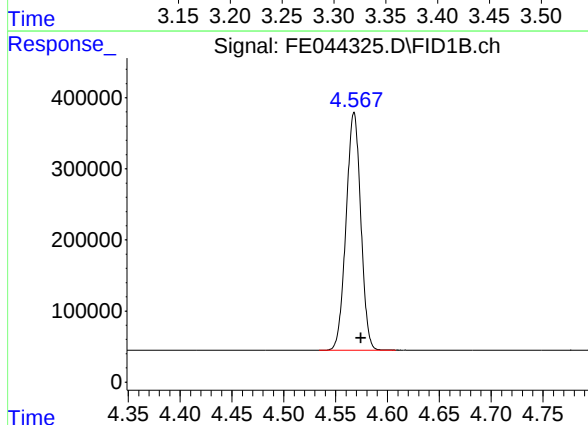
#1 n-Nonane (C9)

R.T.: 3.316 min
Delta R.T.: -0.007 min
Response: 3244418
Conc: 19.89 ug/ml

Instrument :
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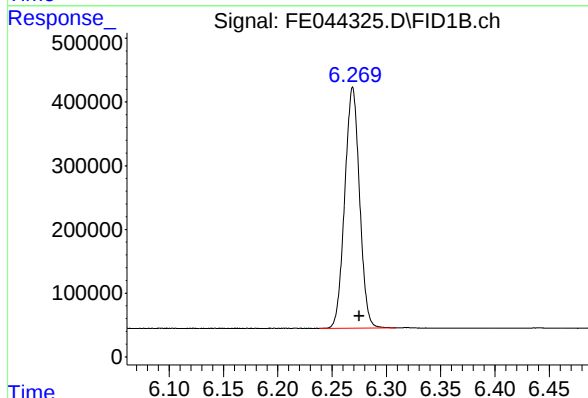
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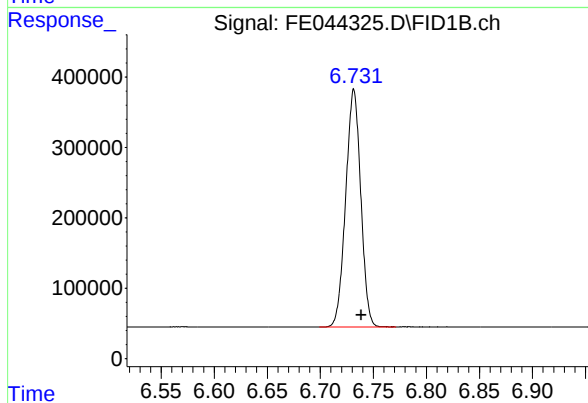
#2 n-Decane (C10)

R.T.: 4.568 min
Delta R.T.: -0.007 min
Response: 3297169
Conc: 19.84 ug/ml



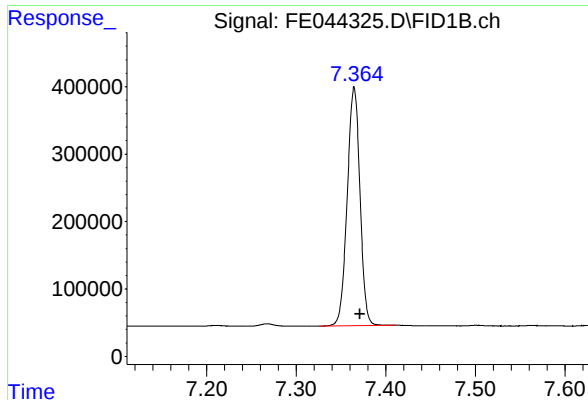
#3 A~Naphthalene (C11.7)

R.T.: 6.269 min
Delta R.T.: -0.006 min
Response: 3594182
Conc: 20.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.732 min
Delta R.T.: -0.007 min
Response: 3336552
Conc: 19.84 ug/ml



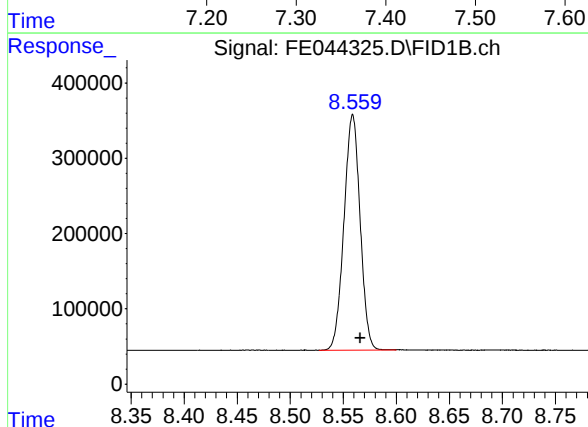
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.365 min
Delta R.T.: -0.006 min
Response: 3502638
Conc: 20.43 ug/ml

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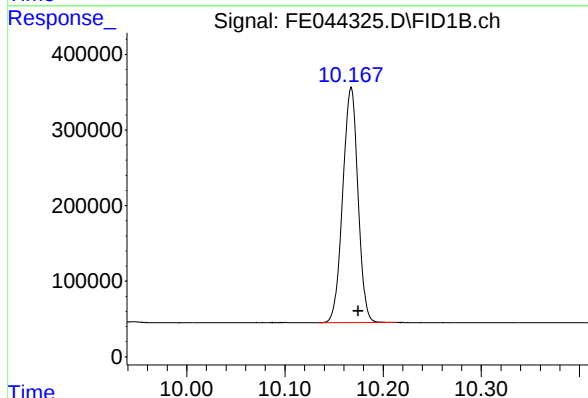
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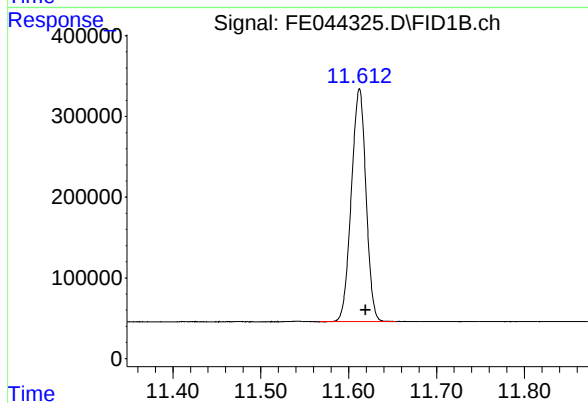
#6 n-Tetradecane (C14)

R.T.: 8.559 min
Delta R.T.: -0.007 min
Response: 3309196
Conc: 19.73 ug/ml



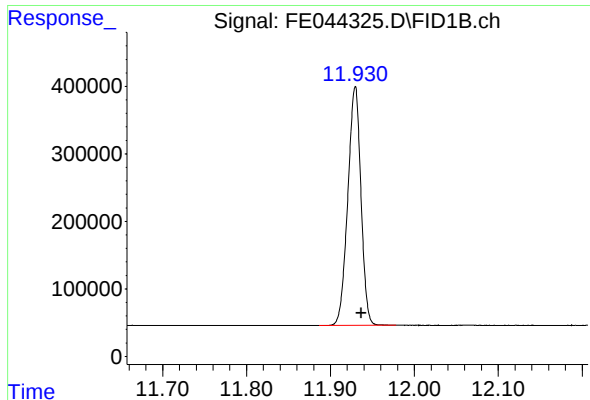
#7 n-Hexadecane (C16)

R.T.: 10.168 min
Delta R.T.: -0.007 min
Response: 3358977
Conc: 19.43 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.612 min
Delta R.T.: -0.007 min
Response: 3342328
Conc: 19.20 ug/ml



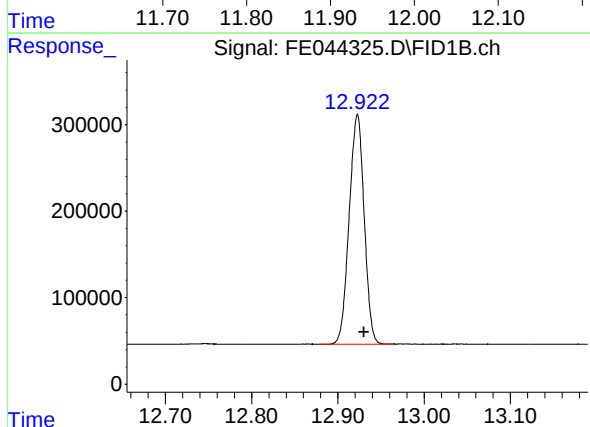
#9 ortho-Terphenyl (SURR)

R.T.: 11.930 min
Delta R.T.: -0.007 min
Response: 3847869
Conc: 20.31 ug/ml

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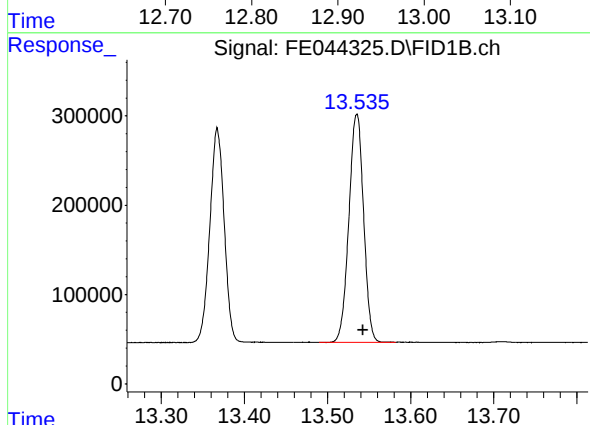
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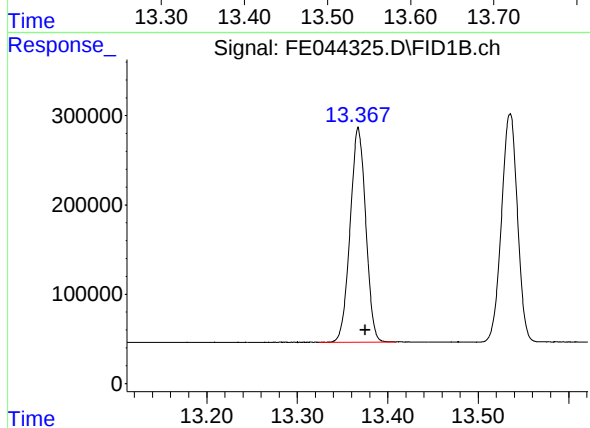
#10 n-Eicosane (C20)

R.T.: 12.923 min
Delta R.T.: -0.007 min
Response: 3210122
Conc: 19.41 ug/ml



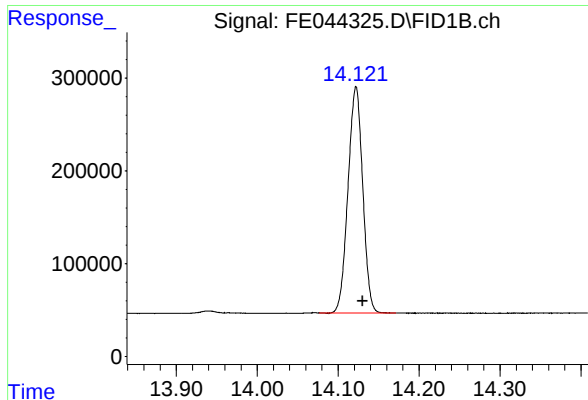
#11 n-Heneicosane (C21)

R.T.: 13.535 min
Delta R.T.: -0.007 min
Response: 3138916
Conc: 19.41 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.367 min
Delta R.T.: -0.008 min
Response: 2869705
Conc: 20.77 ug/ml



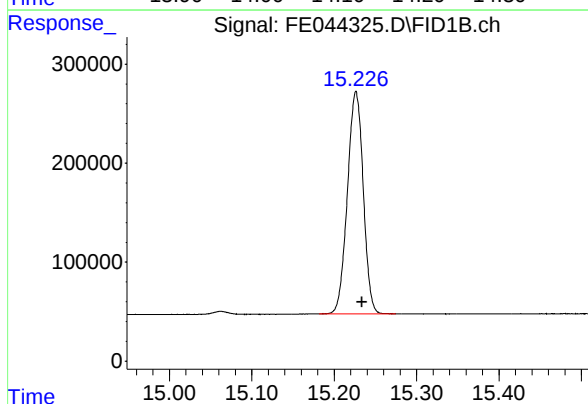
#13 n-Docosane (C22)

R.T.: 14.122 min
Delta R.T.: -0.008 min
Response: 3078560
Conc: 19.27 ug/ml

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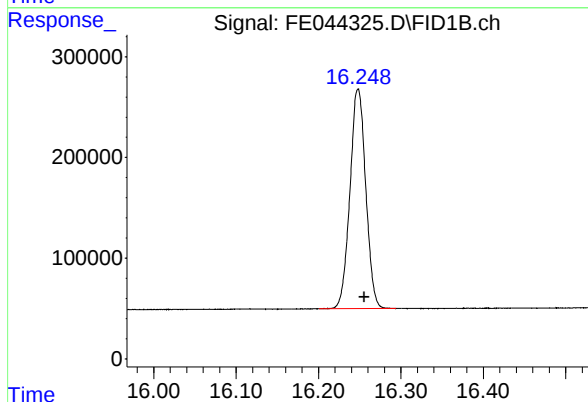
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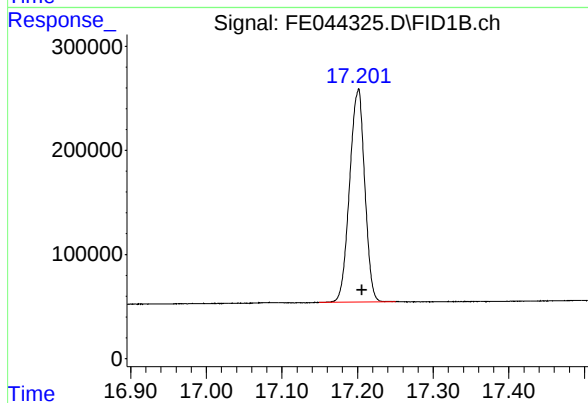
#14 n-Tetracosane (C24)

R.T.: 15.226 min
Delta R.T.: -0.007 min
Response: 2994663
Conc: 19.15 ug/ml



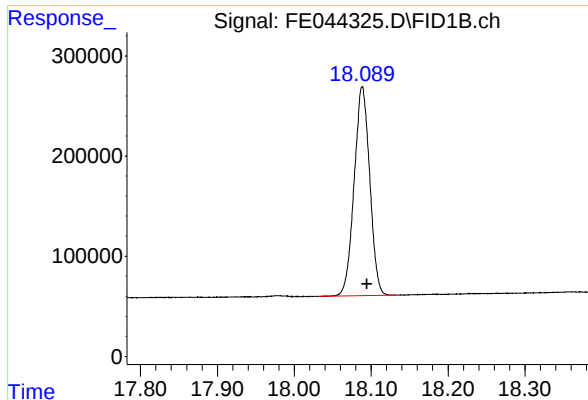
#15 n-Hexacosane (C26)

R.T.: 16.248 min
Delta R.T.: -0.008 min
Response: 2908134
Conc: 19.29 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.201 min
Delta R.T.: -0.005 min
Response: 2845037
Conc: 19.71 ug/ml



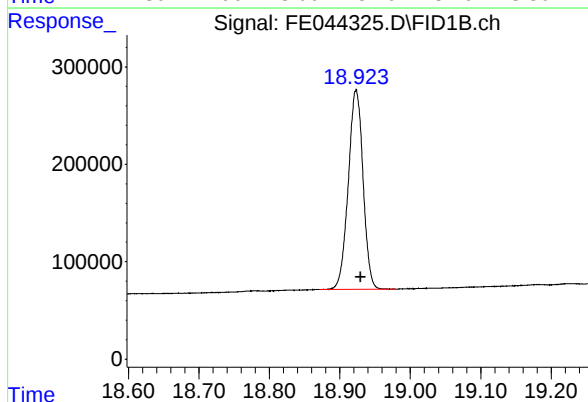
#17 n-Tricontane (C30)

R.T.: 18.088 min
Delta R.T.: -0.006 min
Response: 2934399
Conc: 20.20 ug/ml

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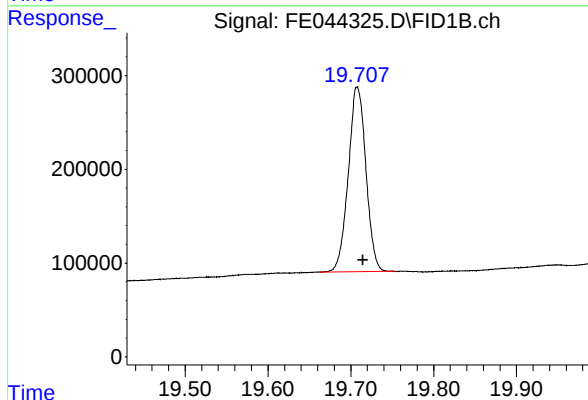
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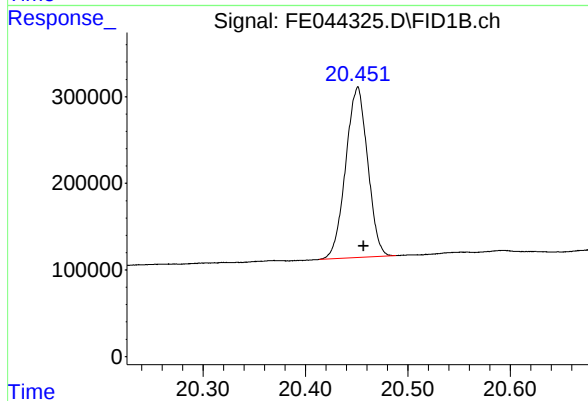
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.006 min
Response: 2988677
Conc: 20.98 ug/ml



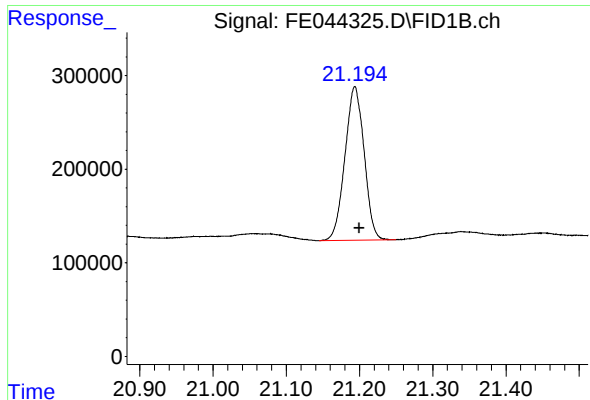
#19 n-Tetratriacontane (C34)

R.T.: 19.707 min
Delta R.T.: -0.007 min
Response: 2917949
Conc: 20.85 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.005 min
Response: 2935652
Conc: 21.41 ug/ml m



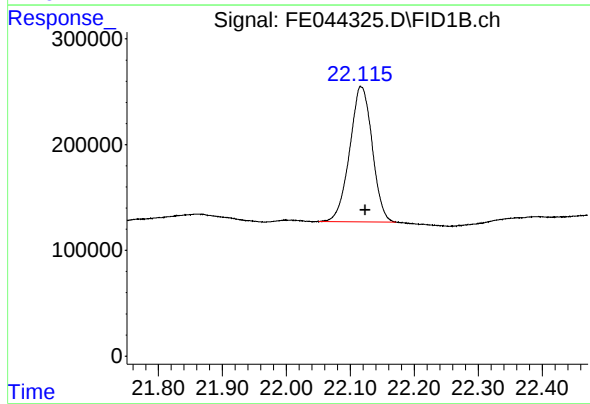
#21 n-Octatriacontane (C38)

R.T.: 21.194 min
Delta R.T.: -0.006 min
Response: 2988519
Conc: 21.53 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.115 min
Delta R.T.: -0.008 min
Response: 3140269
Conc: 22.71 ug/ml m