

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE120622AL\
 Data File : FE039176.D
 Signal(s) : FID1B.ch
 Acq On : 07 Dec 2022 04:12
 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 12/07/2022
 Supervised By :Ankita Jodhani 12/07/2022

Integration File: autoint1.e
 Quant Time: Dec 07 05:06:11 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 111922.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 19 05:37:37 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)	11.942	2996819	19.156 ug/ml
Spiked Amount 50.000		Recovery =	38.31%
12) S 1-chlorooctadecane (S...	13.377	2314960	19.173 ug/ml
Spiked Amount 50.000		Recovery =	38.35%
Target Compounds			
1) T n-Nonane (C9)	3.338	2530131	17.850 ug/ml
2) T n-Decane (C10)	4.587	2487868	17.850 ug/ml
3) T A~Naphthalene (C11.7)	6.290	2874156	18.070 ug/ml
4) T n-Dodecane (C12)	6.751	2524040	17.906 ug/ml
5) T A~2-methylnaphthalene...	7.385	2711999	18.120 ug/ml
6) T n-Tetradecane (C14)	8.576	2583147	18.086 ug/ml
7) T n-Hexadecane (C16)	10.183	2688860	18.390 ug/ml
8) T n-Octadecane (C18)	11.624	2758718	18.748 ug/ml
10) T n-Eicosane (C20)	12.933	2709800	19.088 ug/ml
11) T n-Heneicosane (C21)	13.545	2717106	19.121 ug/ml
13) T n-Docosane (C22)	14.130	2703786	19.342 ug/ml
14) T n-Tetracosane (C24)	15.233	2713772	19.650 ug/ml
15) T n-Hexacosane (C26)	16.253	2631613	19.593 ug/ml
16) T n-Octacosane (C28)	17.203	2600239	19.580 ug/ml
17) T n-Tricontane (C30)	18.090	2564679	19.420 ug/ml
18) T n-Dotriacontane (C32)	18.923	2563711	19.223 ug/ml
19) T n-Tetratriacontane (C34)	19.708	2468691	18.657 ug/mlm
20) T n-Hexatriacontane (C36)	20.447	2354497	18.327 ug/mlm
21) T n-Octatriacontane (C38)	21.185	2587739	19.748 ug/ml
22) T n-Tetracontane (C40)	22.104	2221174	16.312 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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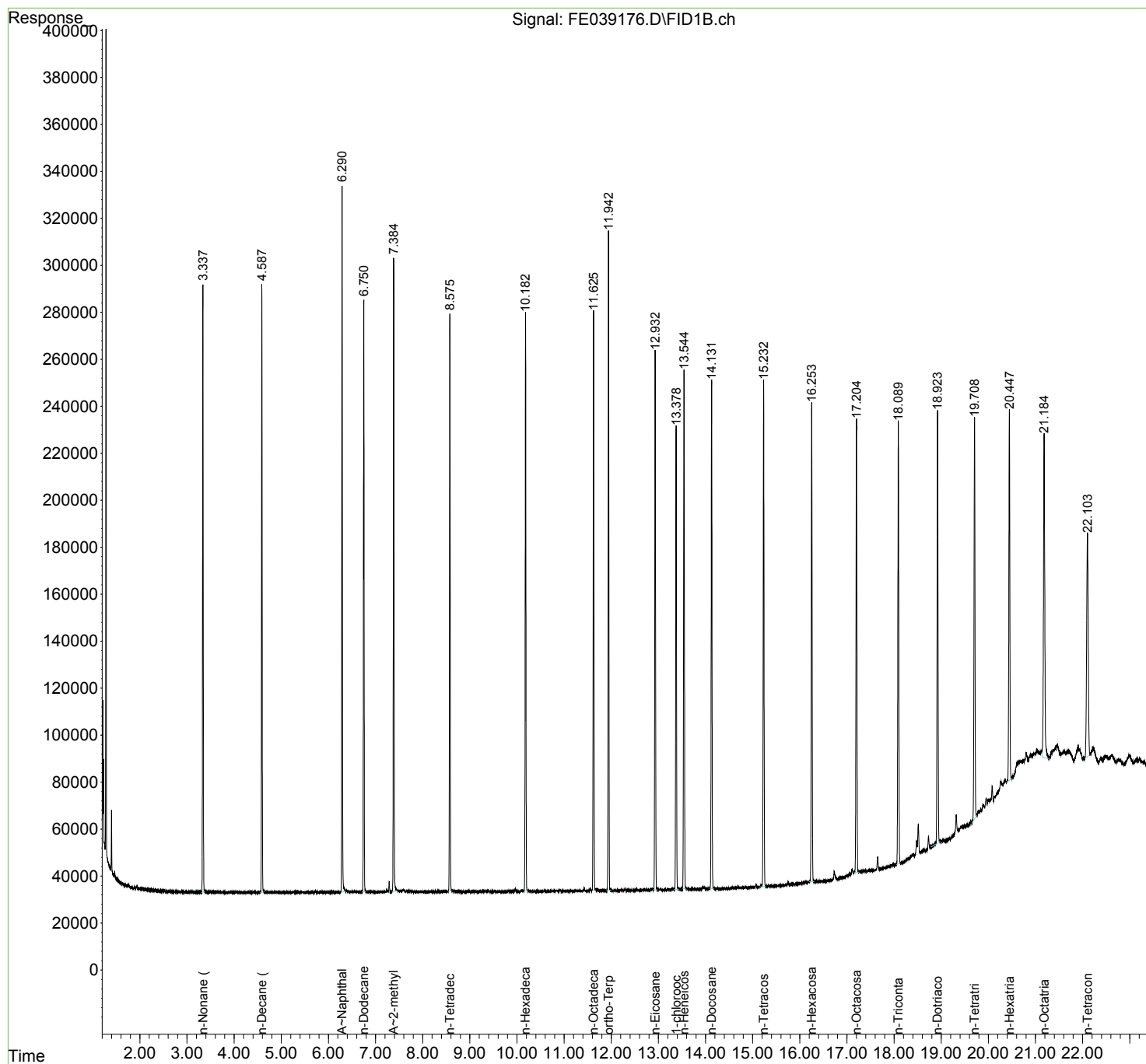
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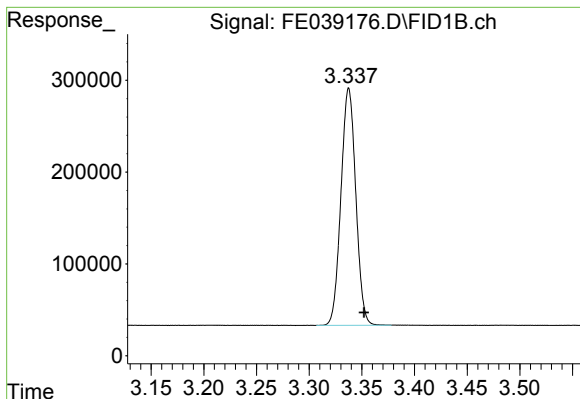
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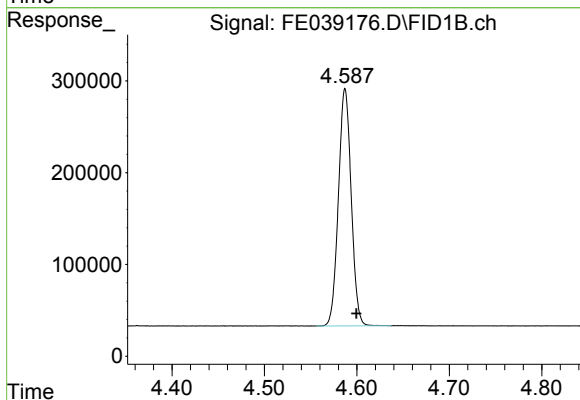
#1 n-Nonane (C9)

R.T.: 3.338 min
Delta R.T.: -0.014 min
Response: 2530131
Conc: 17.85 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

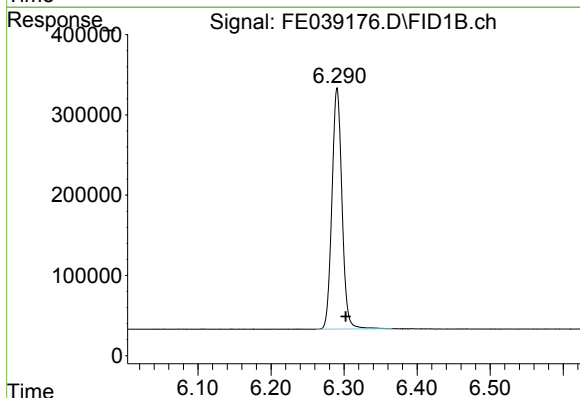
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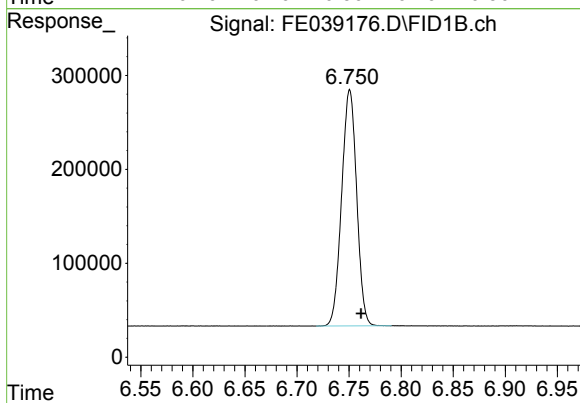
#2 n-Decane (C10)

R.T.: 4.587 min
Delta R.T.: -0.012 min
Response: 2487868
Conc: 17.85 ug/ml



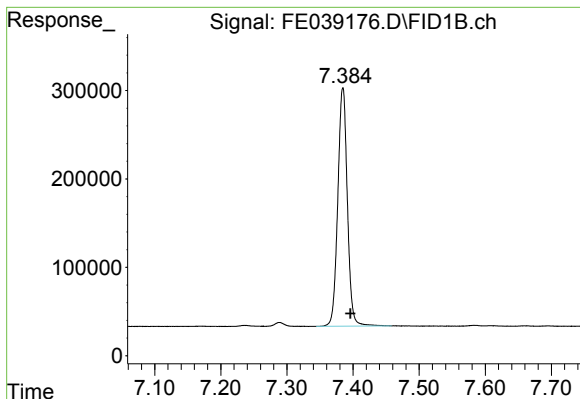
#3 A~Naphthalene (C11.7)

R.T.: 6.290 min
Delta R.T.: -0.012 min
Response: 2874156
Conc: 18.07 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.751 min
Delta R.T.: -0.011 min
Response: 2524040
Conc: 17.91 ug/ml



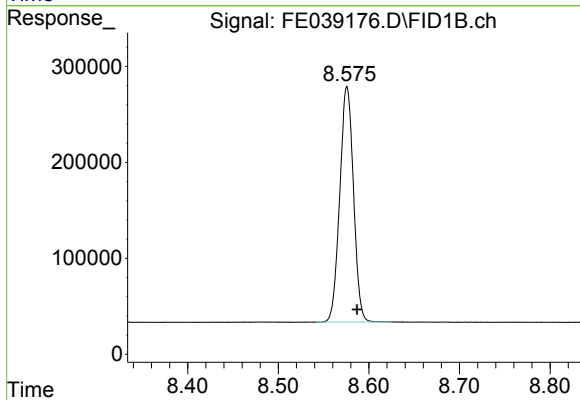
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.385 min
Delta R.T.: -0.011 min
Response: 2711999
Conc: 18.12 ug/ml

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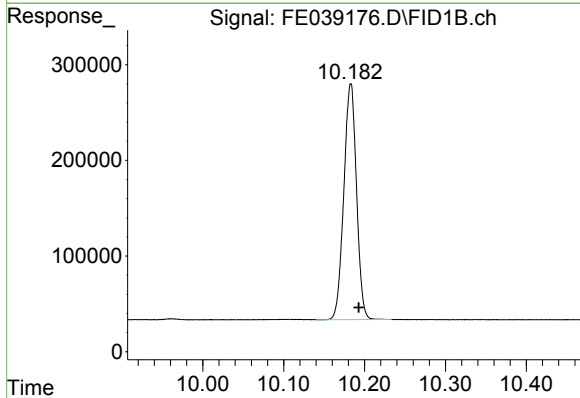
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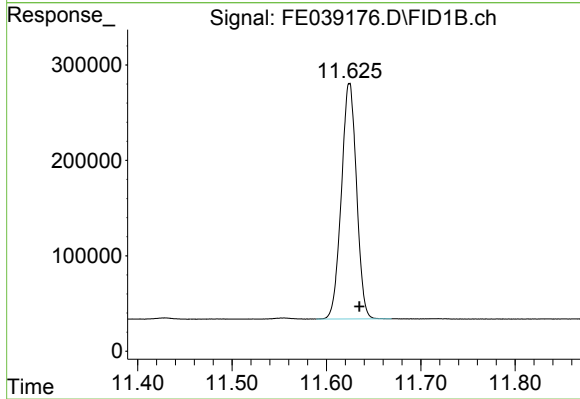
#6 n-Tetradecane (C14)

R.T.: 8.576 min
Delta R.T.: -0.011 min
Response: 2583147
Conc: 18.09 ug/ml



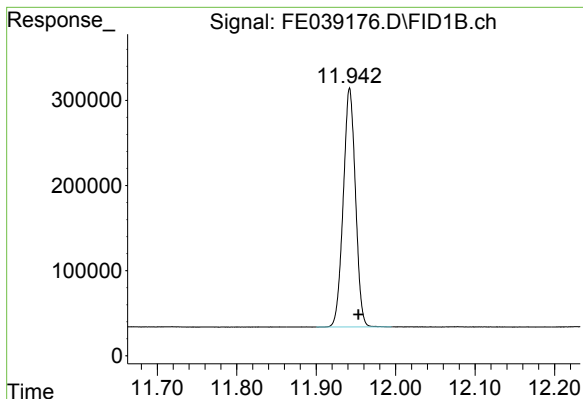
#7 n-Hexadecane (C16)

R.T.: 10.183 min
Delta R.T.: -0.010 min
Response: 2688860
Conc: 18.39 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.624 min
Delta R.T.: -0.010 min
Response: 2758718
Conc: 18.75 ug/ml



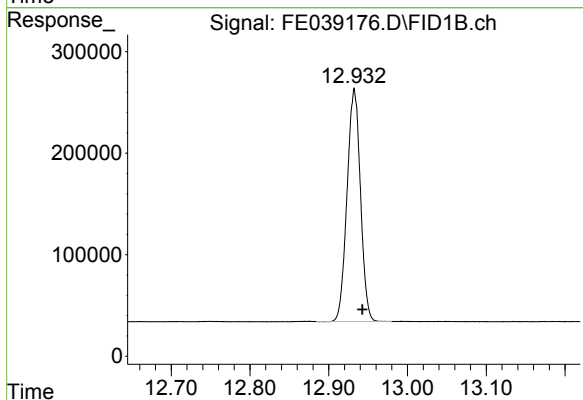
#9 ortho-Terphenyl (SURR)

R.T.: 11.942 min
Delta R.T.: -0.011 min
Response: 2996819
Conc: 19.16 ug/ml

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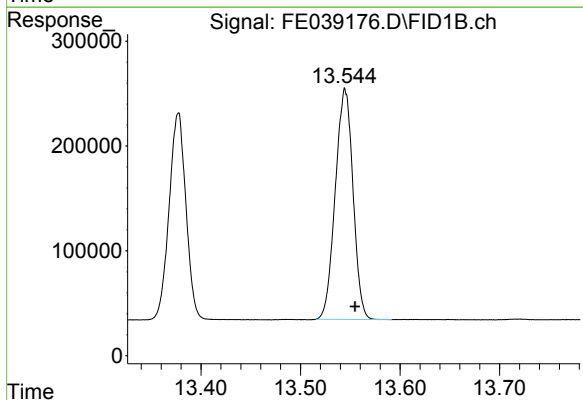
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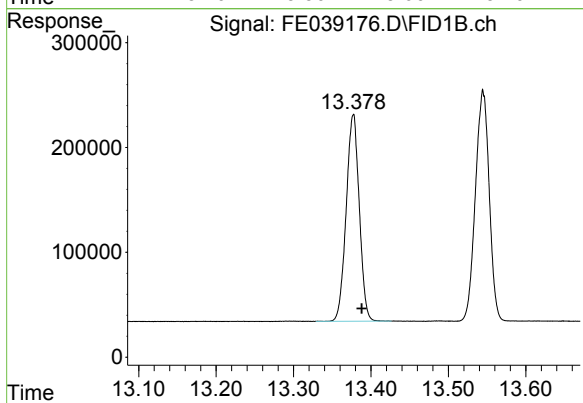
#10 n-Eicosane (C20)

R.T.: 12.933 min
Delta R.T.: -0.010 min
Response: 2709800
Conc: 19.09 ug/ml



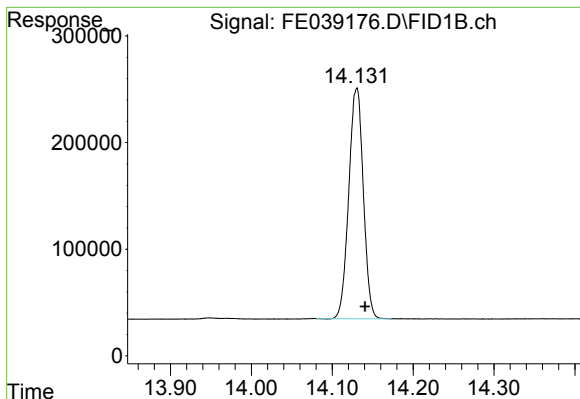
#11 n-Heneicosane (C21)

R.T.: 13.545 min
Delta R.T.: -0.010 min
Response: 2717106
Conc: 19.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.011 min
Response: 2314960
Conc: 19.17 ug/ml



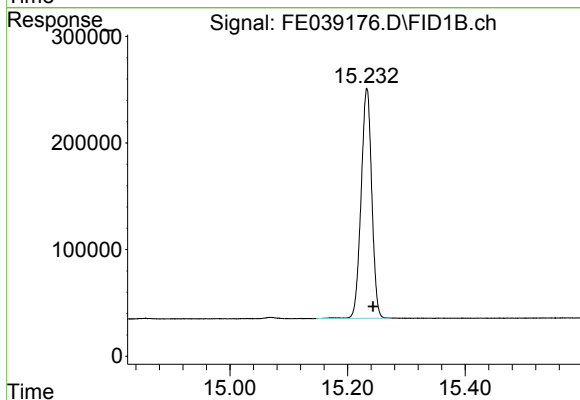
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.010 min
Response: 2703786
Conc: 19.34 ug/ml

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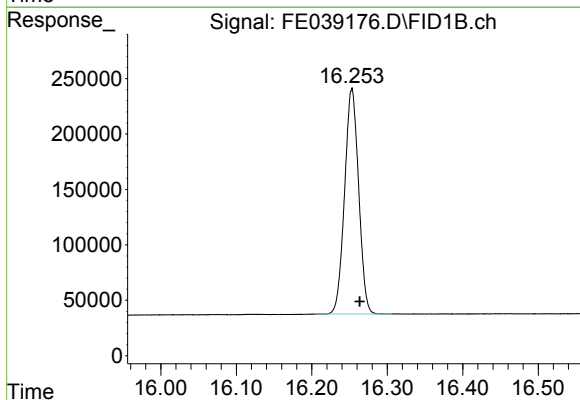
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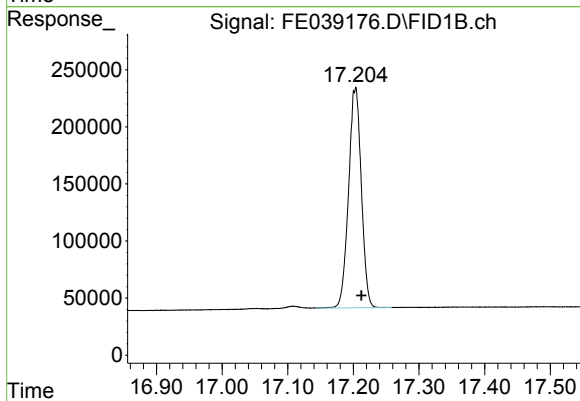
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.010 min
Response: 2713772
Conc: 19.65 ug/ml



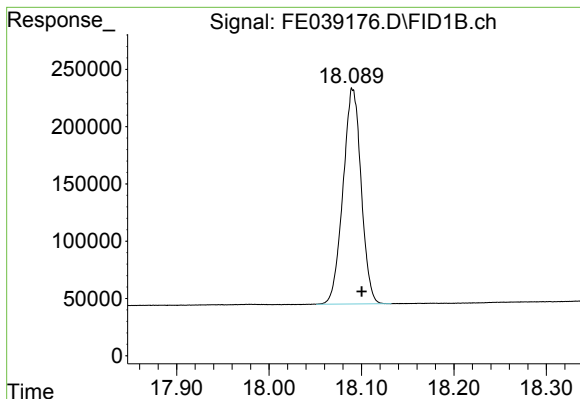
#15 n-Hexacosane (C26)

R.T.: 16.253 min
Delta R.T.: -0.010 min
Response: 2631613
Conc: 19.59 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.203 min
Delta R.T.: -0.009 min
Response: 2600239
Conc: 19.58 ug/ml



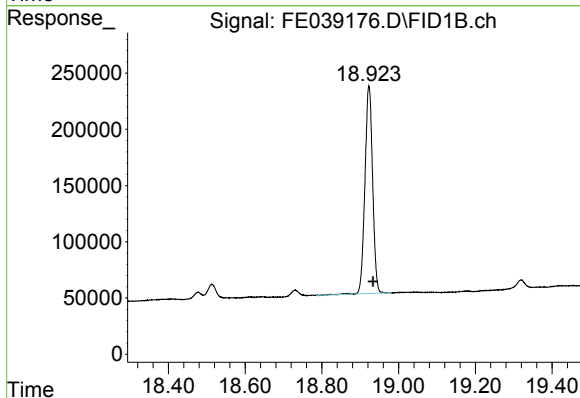
#17 n-Tricontane (C30)

R.T.: 18.090 min
Delta R.T.: -0.010 min
Response: 2564679
Conc: 19.42 ug/ml

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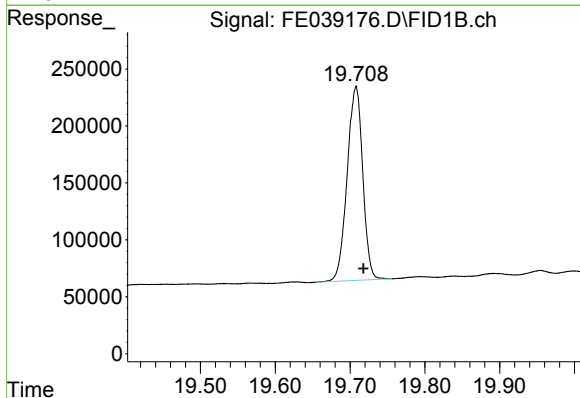
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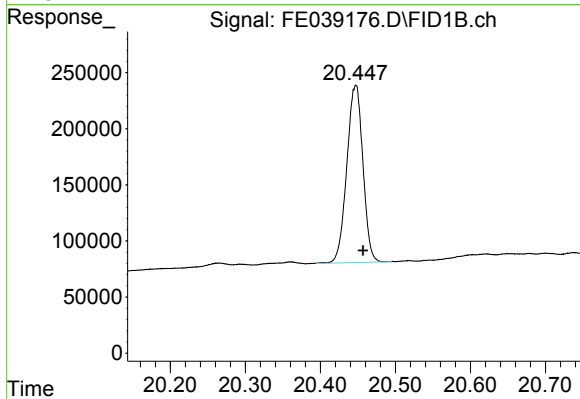
#18 n-Dotriacontane (C32)

R.T.: 18.923 min
Delta R.T.: -0.011 min
Response: 2563711
Conc: 19.22 ug/ml



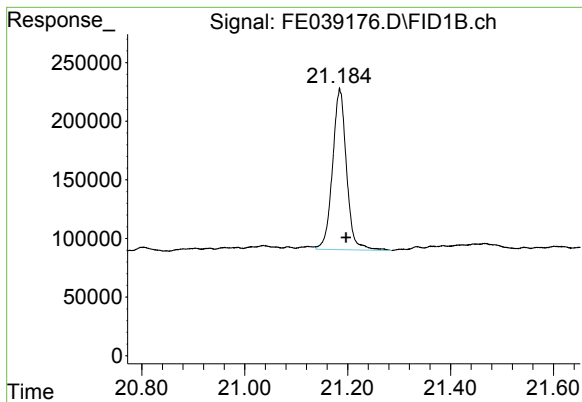
#19 n-Tetratriacontane (C34)

R.T.: 19.708 min
Delta R.T.: -0.010 min
Response: 2468691
Conc: 18.66 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.447 min
Delta R.T.: -0.010 min
Response: 2354497
Conc: 18.33 ug/ml m



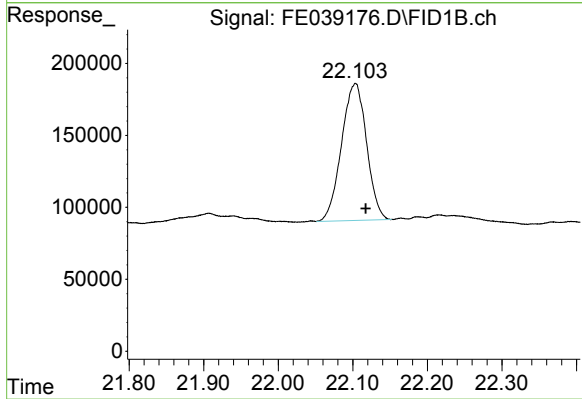
#21 n-Octatriacontane (C38)

R.T.: 21.185 min
Delta R.T.: -0.012 min
Response: 2587739
Conc: 19.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.104 min
Delta R.T.: -0.014 min
Response: 2221174
Conc: 16.31 ug/ml