

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE031422AL\
 Data File : FE035307.D
 Signal(s) : FID1B.CH
 Acq On : 14 Mar 2022 15:57
 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 03/15/2022
 Supervised By :Ankita Jodhani 03/15/2022

Integration File: autoint1.e
 Quant Time: Mar 15 01:46:36 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 022822.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 01 02:07:56 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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)	11.377	2667020	19.256 ug/ml
Spiked Amount 50.000		Recovery =	38.51%
12) S 1-chlorooctadecane (S...	12.811	1926841	17.789 ug/ml
Spiked Amount 50.000		Recovery =	35.58%
Target Compounds			
1) T n-Nonane (C9)	3.185	2391712	20.829 ug/ml
2) T n-Decane (C10)	4.242	2373307	20.832 ug/ml
3) T A~Naphthalene (C11.7)	5.814	2593143	20.416 ug/ml
4) T n-Dodecane (C12)	6.250	2433824	20.700 ug/ml
5) T A~2-methylnaphthalene...	6.865	2611300	20.443 ug/ml
6) T n-Tetradecane (C14)	8.037	2449573	20.526 ug/ml
7) T n-Hexadecane (C16)	9.631	2466857	20.247 ug/ml
8) T n-Octadecane (C18)	11.066	2482056	19.800 ug/ml
10) T n-Eicosane (C20)	12.371	2403626	19.009 ug/ml
11) T n-Heneicosane (C21)	12.979	2363736	18.561 ug/ml
13) T n-Docosane (C22)	13.563	2316040	18.239 ug/ml
14) T n-Tetracosane (C24)	14.661	2209663	17.446 ug/ml
15) T n-Hexacosane (C26)	15.679	2099846	16.935 ug/ml
16) T n-Octacosane (C28)	16.624	2017813	16.835 ug/ml
17) T n-Tricontane (C30)	17.508	1923133	16.979 ug/ml
18) T n-Dotriacontane (C32)	18.335	1856254	18.229 ug/mlm
19) T n-Tetratriacontane (C34)	19.115	1764413	19.775 ug/mlm
20) T n-Hexatriacontane (C36)	19.852	1646818	21.693 ug/mlm
21) T n-Octatriacontane (C38)	20.556	1625197	24.611 ug/mlm
22) T n-Tetracontane (C40)	21.375	1769762	28.933 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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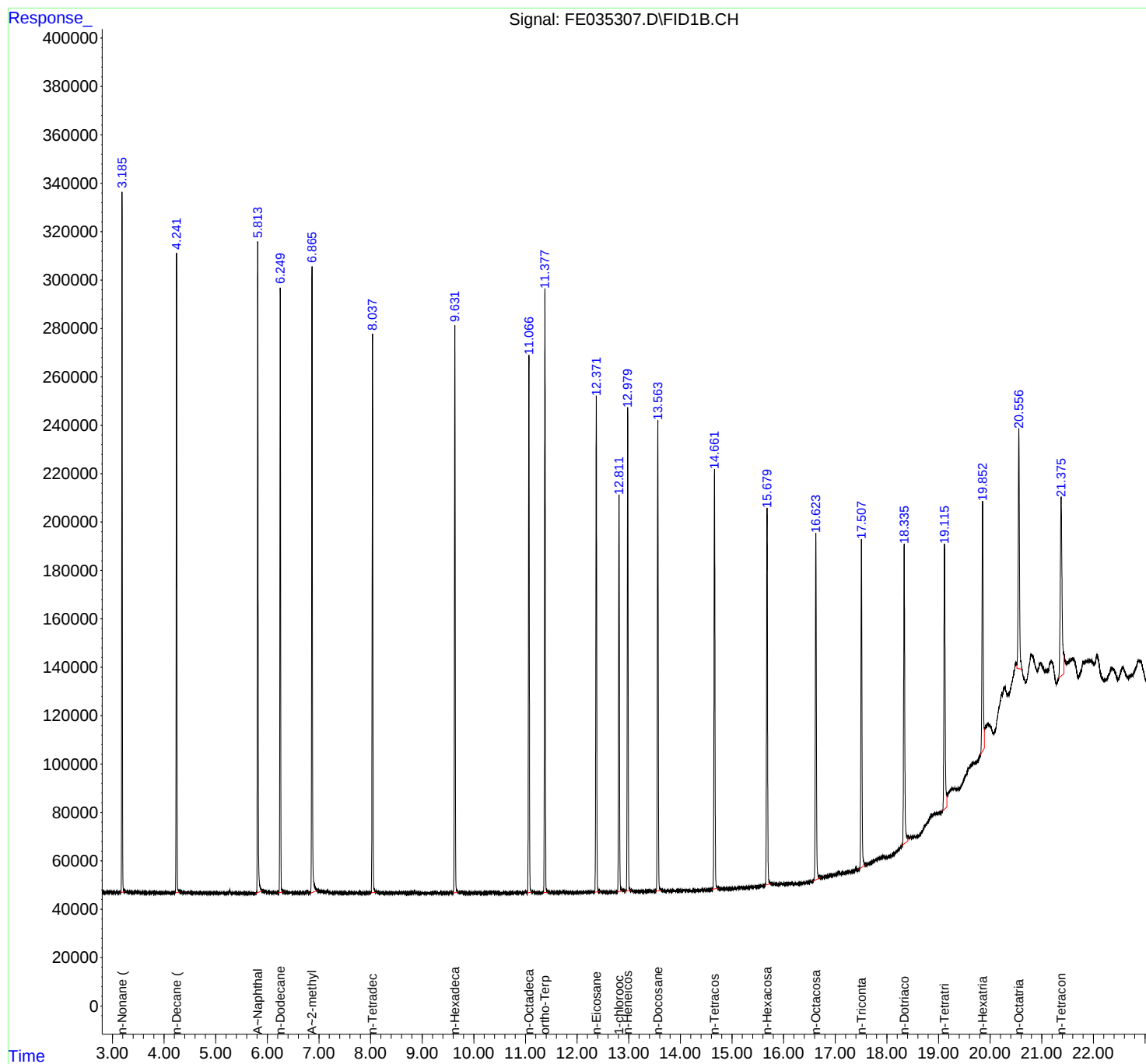
Instrument :
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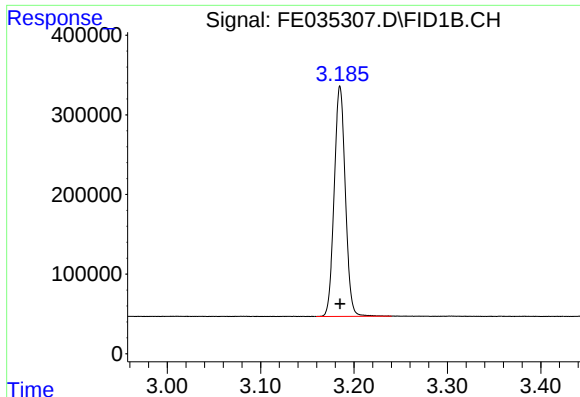
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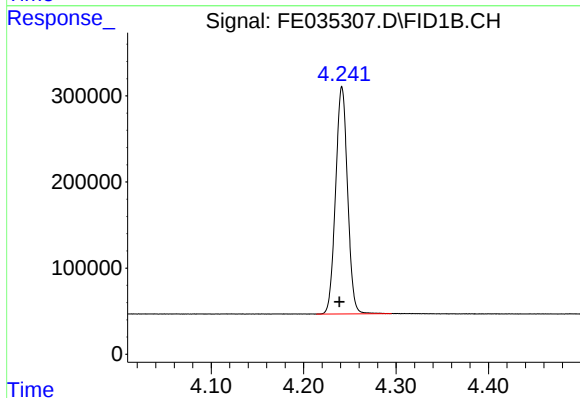
#1 n-Nonane (C9)

R.T.: 3.185 min
Delta R.T.: 0.000 min
Response: 2391712
Conc: 20.83 ug/ml

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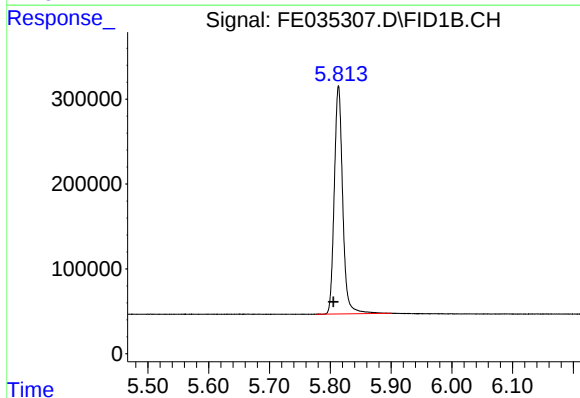
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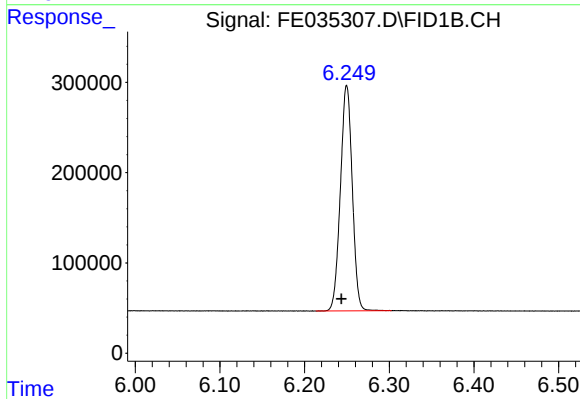
#2 n-Decane (C10)

R.T.: 4.242 min
Delta R.T.: 0.003 min
Response: 2373307
Conc: 20.83 ug/ml



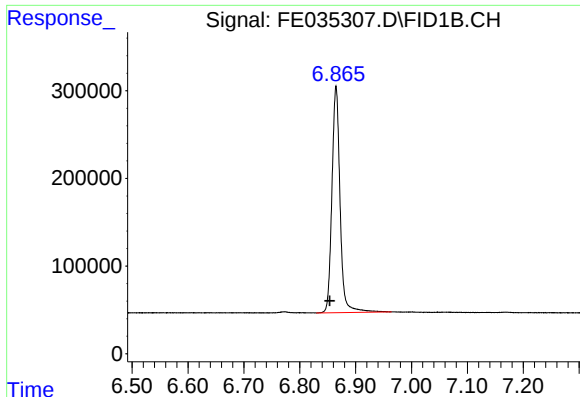
#3 A~Naphthalene (C11.7)

R.T.: 5.814 min
Delta R.T.: 0.008 min
Response: 2593143
Conc: 20.42 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.250 min
Delta R.T.: 0.006 min
Response: 2433824
Conc: 20.70 ug/ml



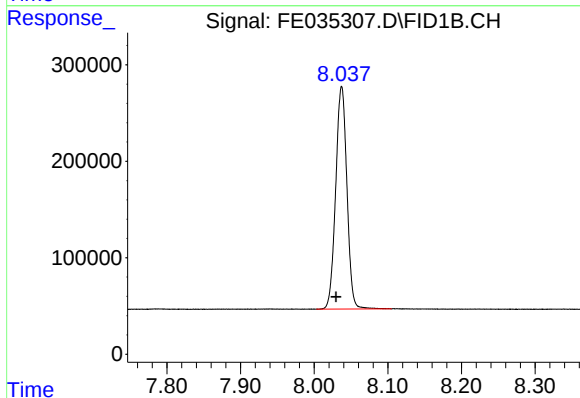
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.865 min
Delta R.T.: 0.011 min
Response: 2611300
Conc: 20.44 ug/ml

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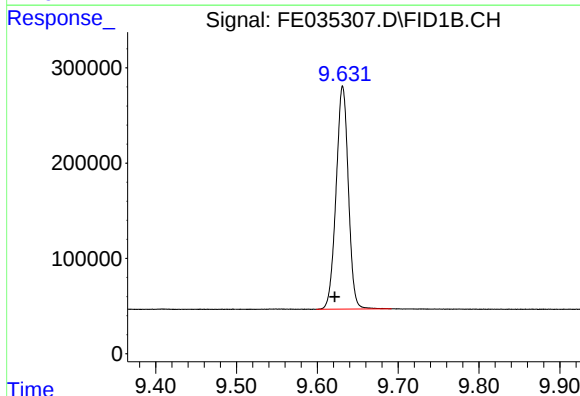
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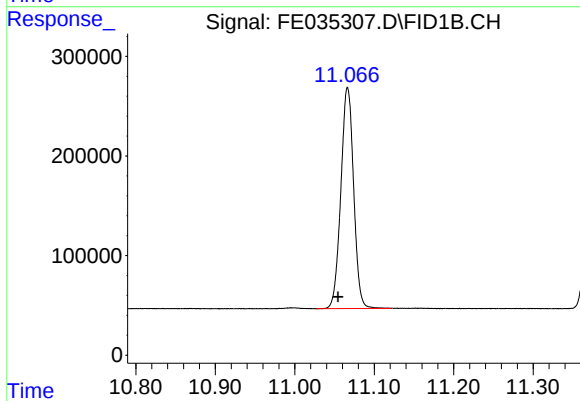
#6 n-Tetradecane (C14)

R.T.: 8.037 min
Delta R.T.: 0.008 min
Response: 2449573
Conc: 20.53 ug/ml



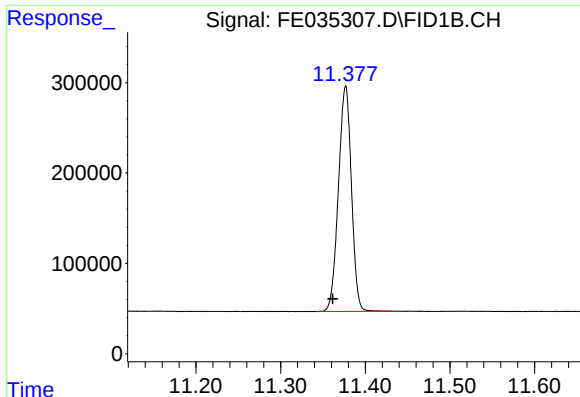
#7 n-Hexadecane (C16)

R.T.: 9.631 min
Delta R.T.: 0.010 min
Response: 2466857
Conc: 20.25 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.066 min
Delta R.T.: 0.012 min
Response: 2482056
Conc: 19.80 ug/ml



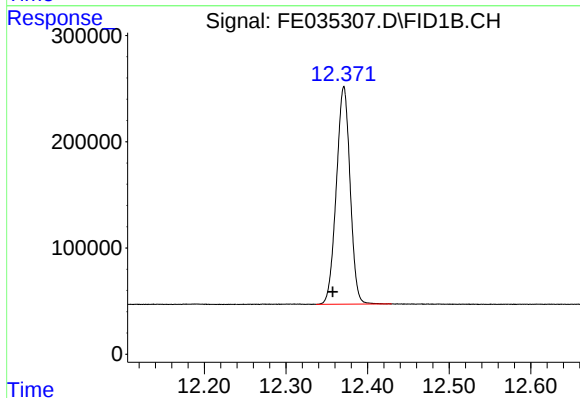
#9 ortho-Terphenyl (SURR)

R.T.: 11.377 min
Delta R.T.: 0.015 min
Response: 2667020
Conc: 19.26 ug/ml

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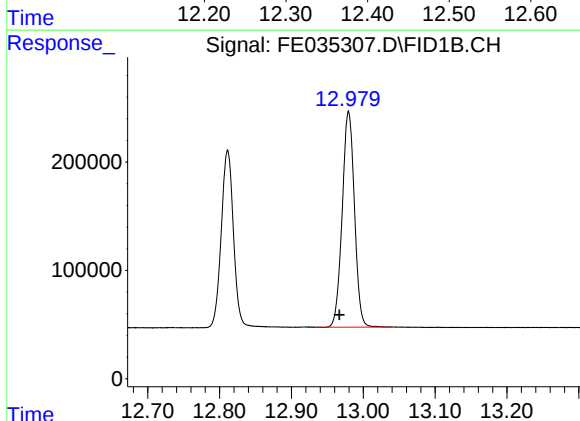
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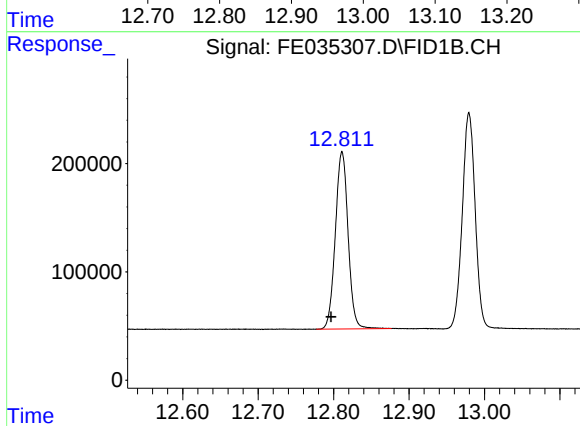
#10 n-Eicosane (C20)

R.T.: 12.371 min
Delta R.T.: 0.014 min
Response: 2403626
Conc: 19.01 ug/ml



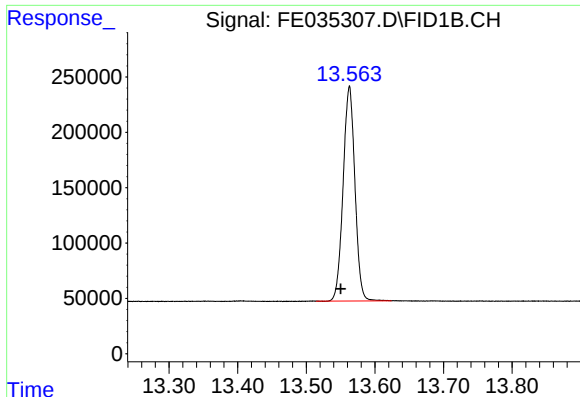
#11 n-Heneicosane (C21)

R.T.: 12.979 min
Delta R.T.: 0.013 min
Response: 2363736
Conc: 18.56 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.811 min
Delta R.T.: 0.015 min
Response: 1926841
Conc: 17.79 ug/ml



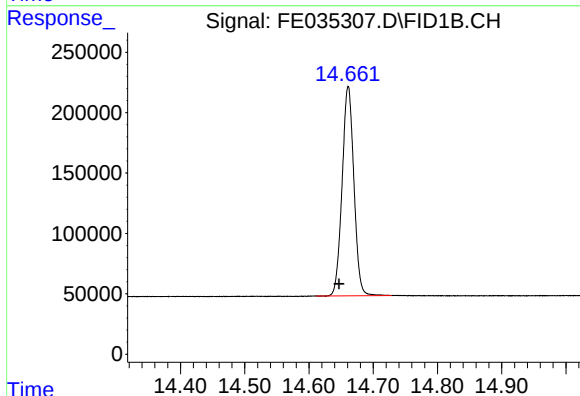
#13 n-Docosane (C22)

R.T.: 13.563 min
Delta R.T.: 0.013 min
Response: 2316040
Conc: 18.24 ug/ml

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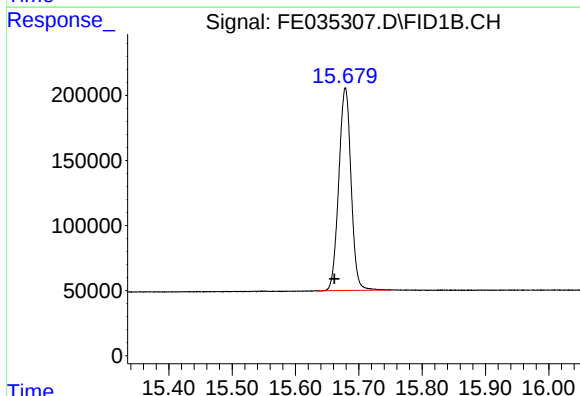
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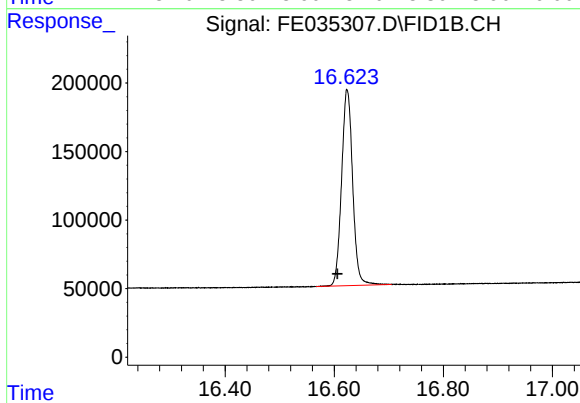
#14 n-Tetracosane (C24)

R.T.: 14.661 min
Delta R.T.: 0.014 min
Response: 2209663
Conc: 17.45 ug/ml



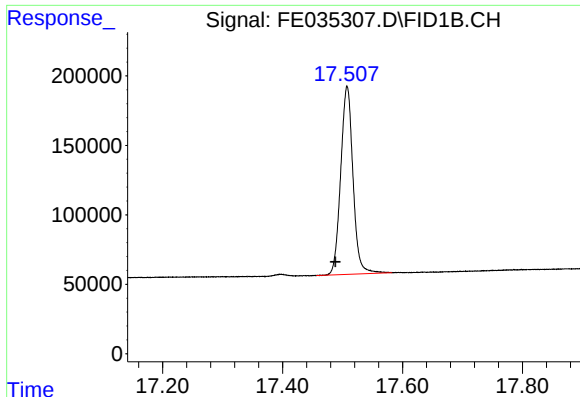
#15 n-Hexacosane (C26)

R.T.: 15.679 min
Delta R.T.: 0.017 min
Response: 2099846
Conc: 16.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.624 min
Delta R.T.: 0.018 min
Response: 2017813
Conc: 16.84 ug/ml



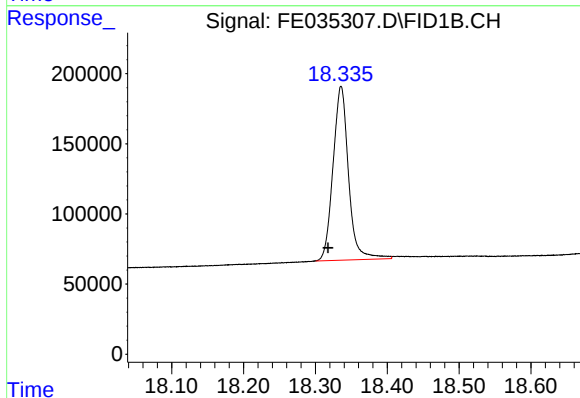
#17 n-Tricontane (C30)

R.T.: 17.508 min
Delta R.T.: 0.019 min
Response: 1923133
Conc: 16.98 ug/ml

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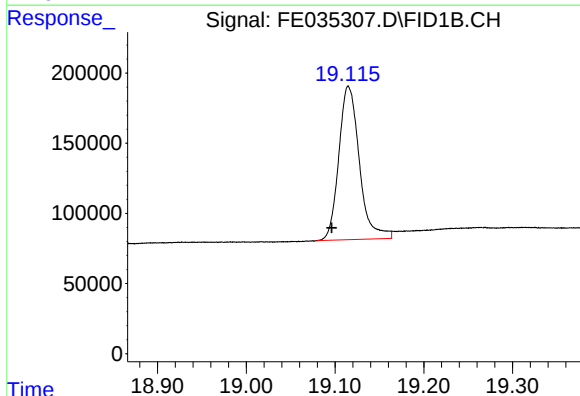
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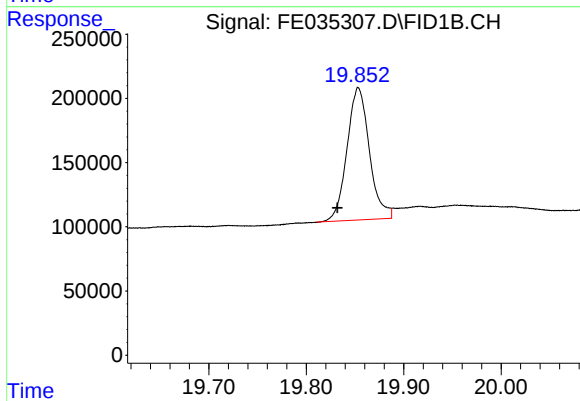
#18 n-Dotriacontane (C32)

R.T.: 18.335 min
Delta R.T.: 0.018 min
Response: 1856254
Conc: 18.23 ug/ml m



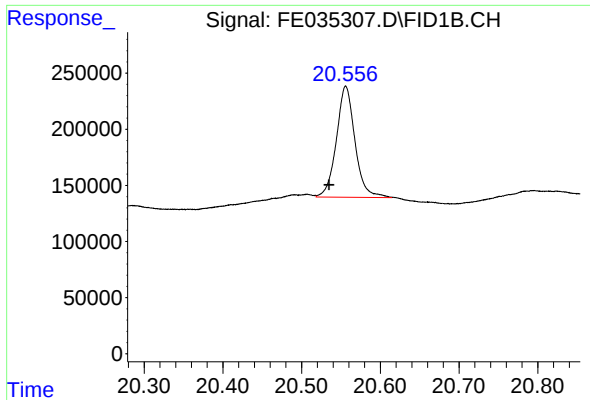
#19 n-Tetratriacontane (C34)

R.T.: 19.115 min
Delta R.T.: 0.018 min
Response: 1764413
Conc: 19.77 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 19.852 min
Delta R.T.: 0.021 min
Response: 1646818
Conc: 21.69 ug/ml m



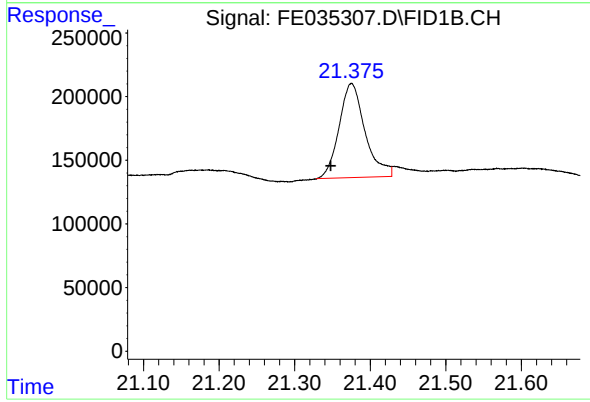
#21 n-Octatriacontane (C38)

R.T.: 20.556 min
Delta R.T.: 0.021 min
Response: 1625197
Conc: 24.61 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.375 min
Delta R.T.: 0.027 min
Response: 1769762
Conc: 28.93 ug/ml m