

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE021225AL\
 Data File : FE052363.D
 Signal(s) : FID1B.ch
 Acq On : 12 Feb 2025 11:01
 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 02/13/2025
 Supervised By :Ankita Jodhani 02/13/2025

Integration File: autoint1.e
 Quant Time: Feb 13 00:24:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 020325.M
 Quant Title : GC Extractables
 QLast Update : Fri Feb 07 07:52:07 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)	12.327	2365799	19.115 ug/ml
Spiked Amount 50.000		Recovery =	38.23%
12) S 1-chlorooctadecane (S...	13.738	1834725	18.591 ug/ml
Spiked Amount 50.000		Recovery =	37.18%
Target Compounds			
1) T n-Nonane (C9)	3.795	1791241	19.177 ug/ml
2) T n-Decane (C10)	5.022	1914075	19.932 ug/ml
3) T A~Naphthalene (C11.7)	6.725	2172473	20.328 ug/ml
4) T n-Dodecane (C12)	7.151	2001217	20.190 ug/ml
5) T A~2-methylnaphthalene...	7.806	2132739	20.364 ug/ml
6) T n-Tetradecane (C14)	8.958	2036737	20.183 ug/ml
7) T n-Hexadecane (C16)	10.553	2146061	19.777 ug/ml
8) T n-Octadecane (C18)	11.988	2192612	19.301 ug/ml
10) T n-Eicosane (C20)	13.290	2127693	18.854 ug/ml
11) T n-Heneicosane (C21)	13.898	2094314	18.597 ug/ml
13) T n-Docosane (C22)	14.482	2088083	18.448 ug/ml
14) T n-Tetracosane (C24)	15.580	2081675	18.105 ug/ml
15) T n-Hexacosane (C26)	16.596	2043111	17.815 ug/ml
16) T n-Octacosane (C28)	17.542	2023473	17.884 ug/ml
17) T n-Tricontane (C30)	18.426	2109646	18.514 ug/ml
18) T n-Dotriacontane (C32)	19.255	2050865	18.811 ug/ml
19) T n-Tetratriacontane (C34)	20.036	1808055	19.058 ug/mlm
20) T n-Hexatriacontane (C36)	20.774	1543013	18.674 ug/ml
21) T n-Octatriacontane (C38)	21.590	1444707	19.447 ug/mlm
22) T n-Tetracontane (C40)	22.638	1492027	20.012 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 2 Sample Multiplier: 1

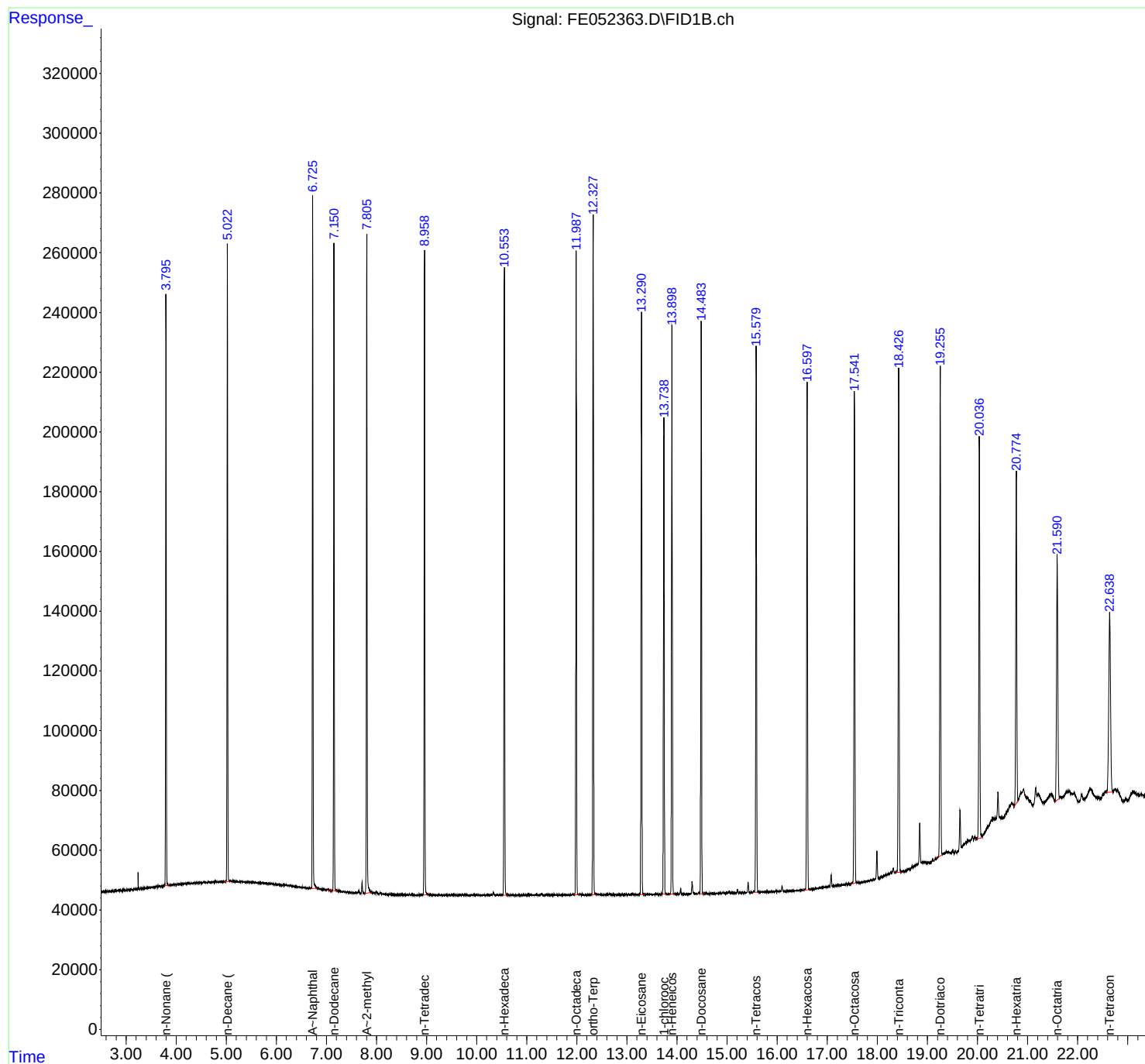
Instrument :
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20 PPM ALIPHATIC HC STD

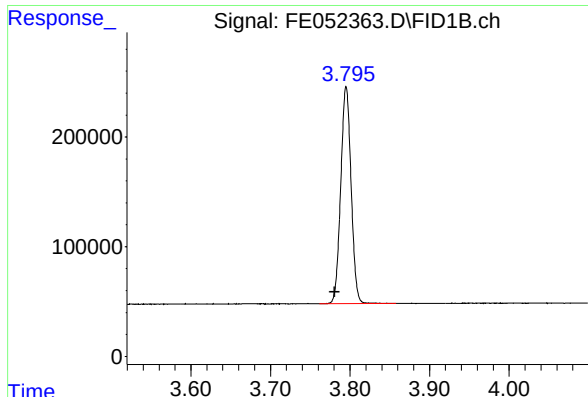
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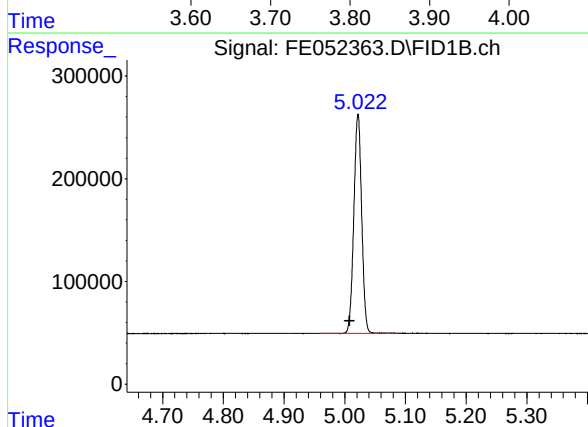
#1 n-Nonane (C9)

R.T.: 3.795 min
Delta R.T.: 0.014 min
Response: 1791241
Conc: 19.18 ug/ml

Instrument : FID_E
ClientSampleId : 20 PPM ALIPHATIC HC STD

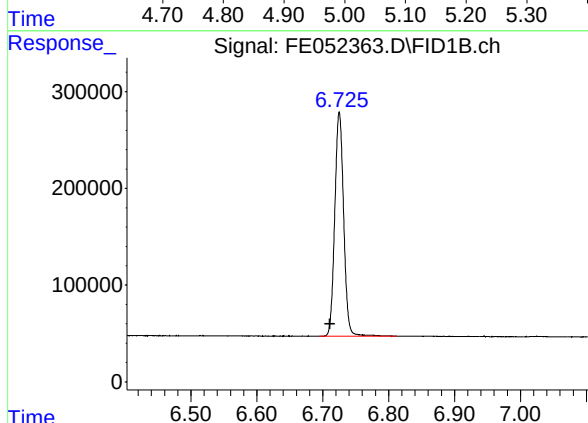
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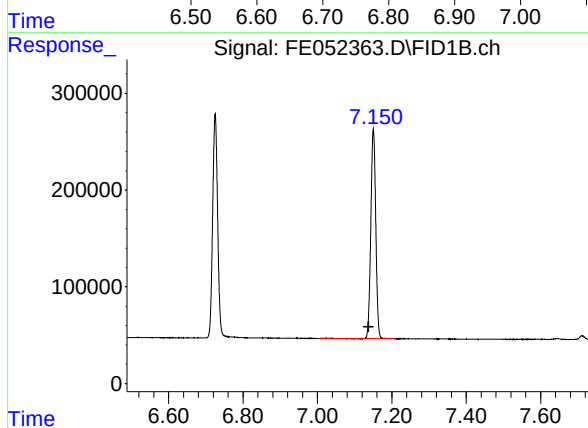
#2 n-Decane (C10)

R.T.: 5.022 min
Delta R.T.: 0.014 min
Response: 1914075
Conc: 19.93 ug/ml



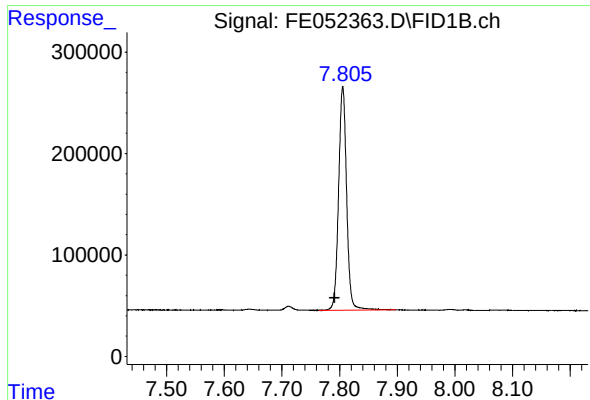
#3 A~Naphthalene (C11.7)

R.T.: 6.725 min
Delta R.T.: 0.014 min
Response: 2172473
Conc: 20.33 ug/ml



#4 n-Dodecane (C12)

R.T.: 7.151 min
Delta R.T.: 0.013 min
Response: 2001217
Conc: 20.19 ug/ml



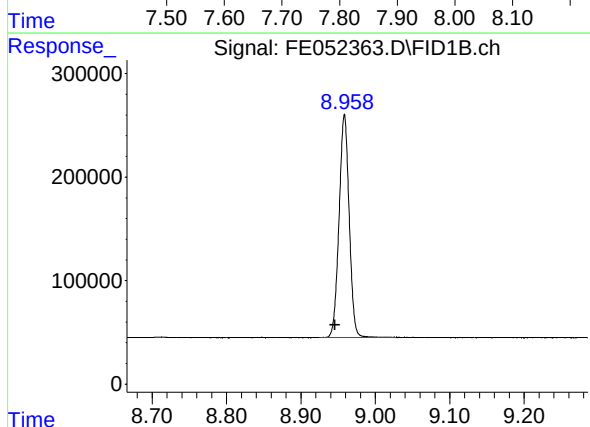
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.806 min
Delta R.T.: 0.014 min
Response: 2132739
Conc: 20.36 ug/ml

Instrument : FID_E
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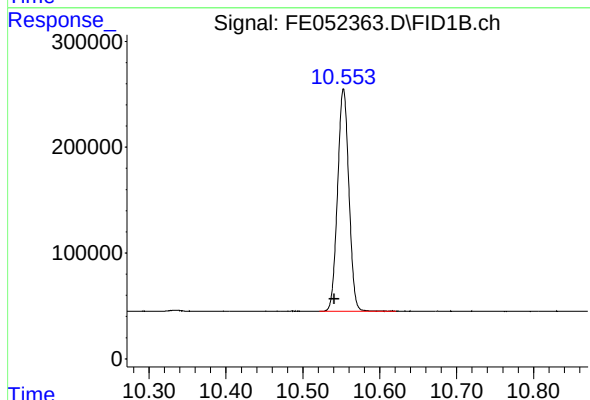
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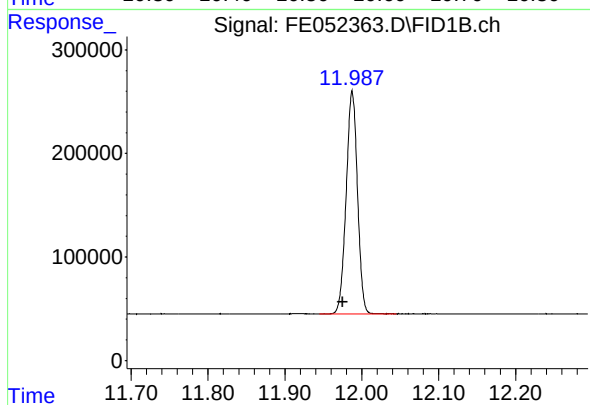
#6 n-Tetradecane (C14)

R.T.: 8.958 min
Delta R.T.: 0.013 min
Response: 2036737
Conc: 20.18 ug/ml



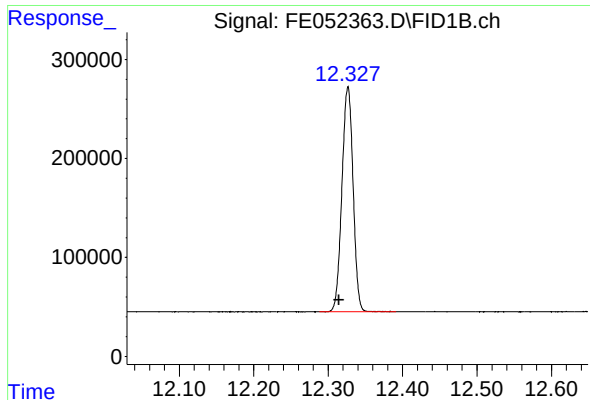
#7 n-Hexadecane (C16)

R.T.: 10.553 min
Delta R.T.: 0.012 min
Response: 2146061
Conc: 19.78 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.988 min
Delta R.T.: 0.012 min
Response: 2192612
Conc: 19.30 ug/ml



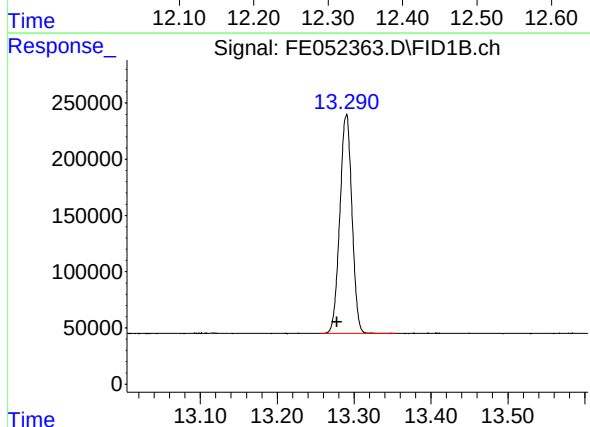
#9 ortho-Terphenyl (SURR)

R.T.: 12.327 min
Delta R.T.: 0.012 min
Response: 2365799
Conc: 19.11 ug/ml

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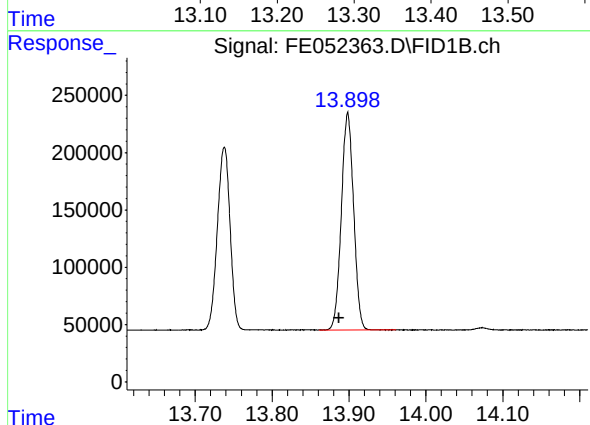
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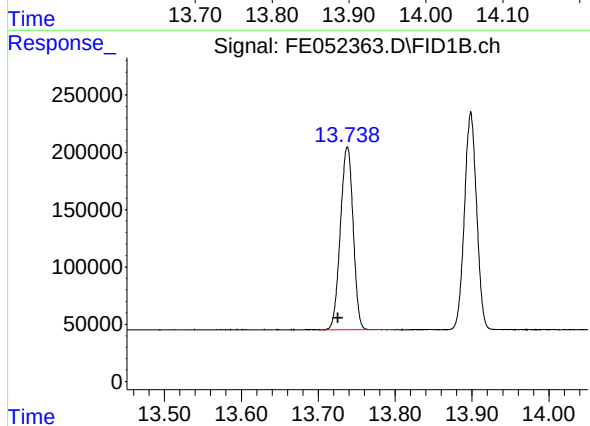
#10 n-Eicosane (C20)

R.T.: 13.290 min
Delta R.T.: 0.012 min
Response: 2127693
Conc: 18.85 ug/ml



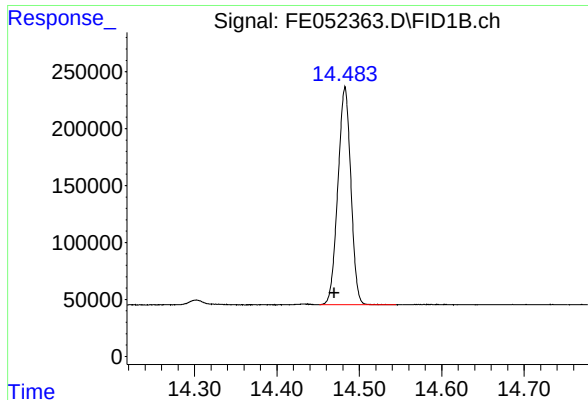
#11 n-Heneicosane (C21)

R.T.: 13.898 min
Delta R.T.: 0.012 min
Response: 2094314
Conc: 18.60 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.738 min
Delta R.T.: 0.012 min
Response: 1834725
Conc: 18.59 ug/ml



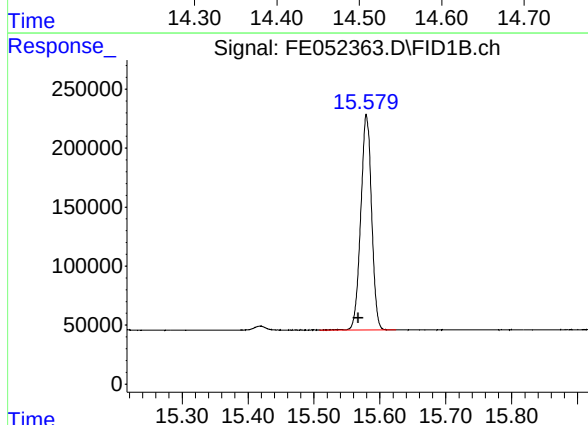
#13 n-Docosane (C22)

R.T.: 14.482 min
Delta R.T.: 0.013 min
Response: 2088083
Conc: 18.45 ug/ml

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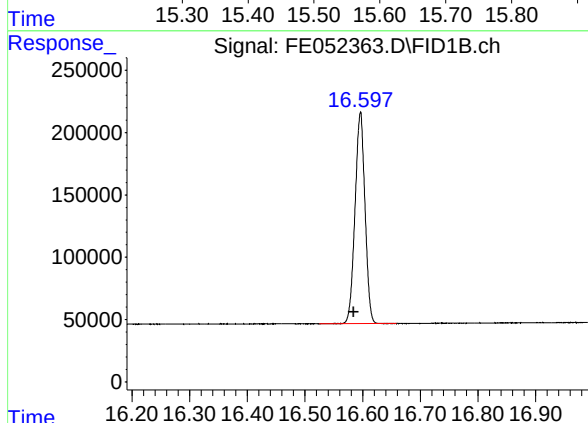
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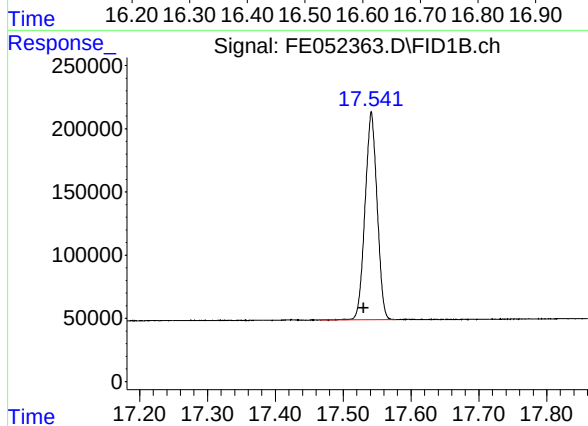
#14 n-Tetracosane (C24)

R.T.: 15.580 min
Delta R.T.: 0.012 min
Response: 2081675
Conc: 18.10 ug/ml



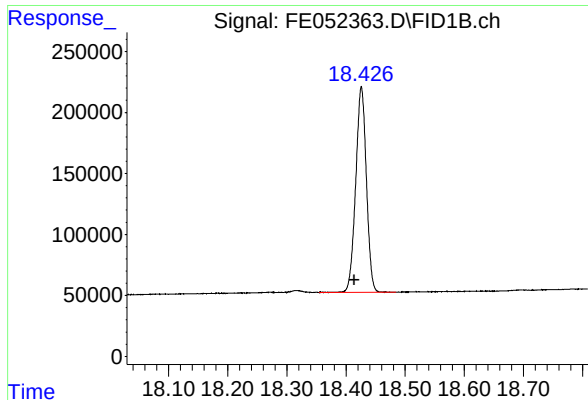
#15 n-Hexacosane (C26)

R.T.: 16.596 min
Delta R.T.: 0.012 min
Response: 2043111
Conc: 17.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.542 min
Delta R.T.: 0.012 min
Response: 2023473
Conc: 17.88 ug/ml



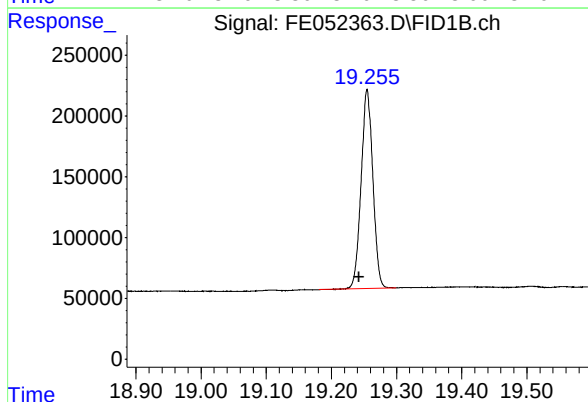
#17 n-Tricontane (C30)

R.T.: 18.426 min
Delta R.T.: 0.012 min
Response: 2109646
Conc: 18.51 ug/ml

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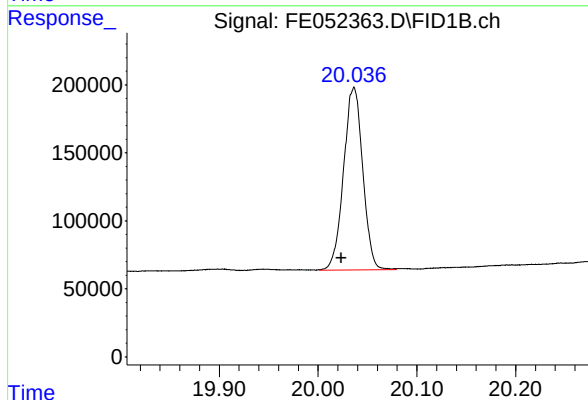
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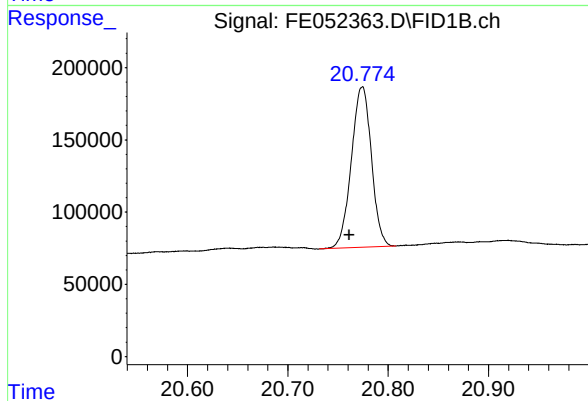
#18 n-Dotriacontane (C32)

R.T.: 19.255 min
Delta R.T.: 0.012 min
Response: 2050865
Conc: 18.81 ug/ml



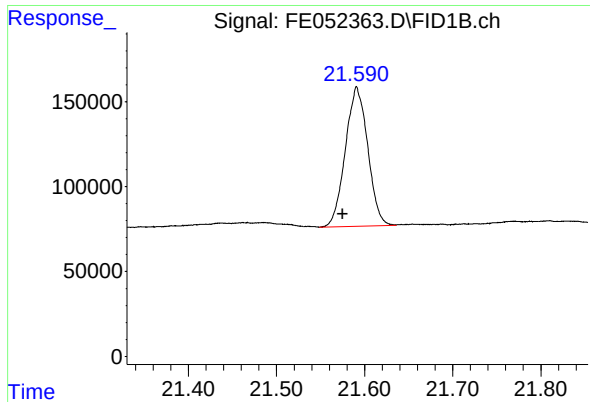
#19 n-Tetratriacontane (C34)

R.T.: 20.036 min
Delta R.T.: 0.013 min
Response: 1808055
Conc: 19.06 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.774 min
Delta R.T.: 0.013 min
Response: 1543013
Conc: 18.67 ug/ml



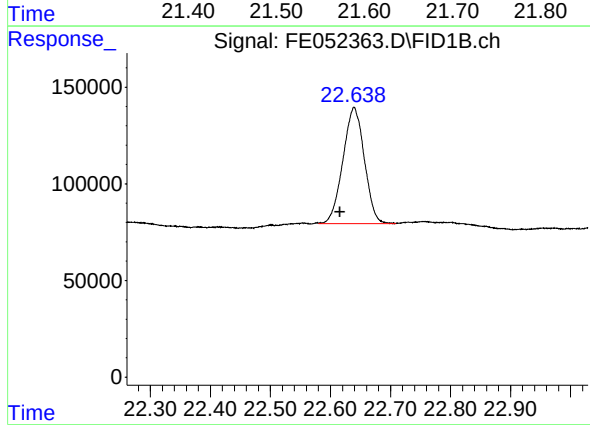
#21 n-Octatriacontane (C38)

R.T.: 21.590 min
Delta R.T.: 0.015 min
Response: 1444707
Conc: 19.45 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.638 min
Delta R.T.: 0.023 min
Response: 1492027
Conc: 20.01 ug/ml m