

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF020325AL\
 Data File : FF015435.D
 Signal(s) : FID2B.ch
 Acq On : 03 Feb 2025 14:19
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 04 04:35:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aliphatic EPH 011425.M
 Quant Title : GC Extractables
 QLast Update : Tue Jan 14 15:33:37 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)	11.935	2930528	18.432 ug/ml
Spiked Amount 50.000		Recovery =	36.86%
12) S 1-chlorooctadecane (S...	13.373	2190929	17.574 ug/ml
Spiked Amount 50.000		Recovery =	35.15%
Target Compounds			
1) T n-Nonane (C9)	3.317	2611131	19.891 ug/ml
2) T n-Decane (C10)	4.572	2675013	19.998 ug/ml
3) T A~Naphthalene (C11.7)	6.275	2865079	19.699 ug/ml
4) T n-Dodecane (C12)	6.736	2720618	20.176 ug/ml
5) T A~2-methylnaphthalene...	7.370	2754659	19.577 ug/ml
6) T n-Tetradecane (C14)	8.563	2708022	20.043 ug/ml
7) T n-Hexadecane (C16)	10.171	2790551	19.694 ug/ml
8) T n-Octadecane (C18)	11.615	2800662	19.124 ug/ml
10) T n-Eicosane (C20)	12.927	2653852	18.407 ug/ml
11) T n-Heneicosane (C21)	13.540	2583662	18.100 ug/ml
13) T n-Docosane (C22)	14.128	2534736	17.684 ug/ml
14) T n-Tetracosane (C24)	15.232	2444731	16.853 ug/ml
15) T n-Hexacosane (C26)	16.255	2333294	16.419 ug/ml
16) T n-Octacosane (C28)	17.207	2227659	16.009 ug/ml
17) T n-Tricontane (C30)	18.097	2209025	15.861 ug/ml
18) T n-Dotriacontane (C32)	18.930	2101382	16.111 ug/ml
19) T n-Tetratriacontane (C34)	19.716	1864099	17.148 ug/mlm
20) T n-Hexatriacontane (C36)	20.458	1639609	18.642 ug/mlm
21) T n-Octatriacontane (C38)	21.199	1601770	19.436 ug/mlm
22) T n-Tetracontane (C40)	22.117	1611163	20.307 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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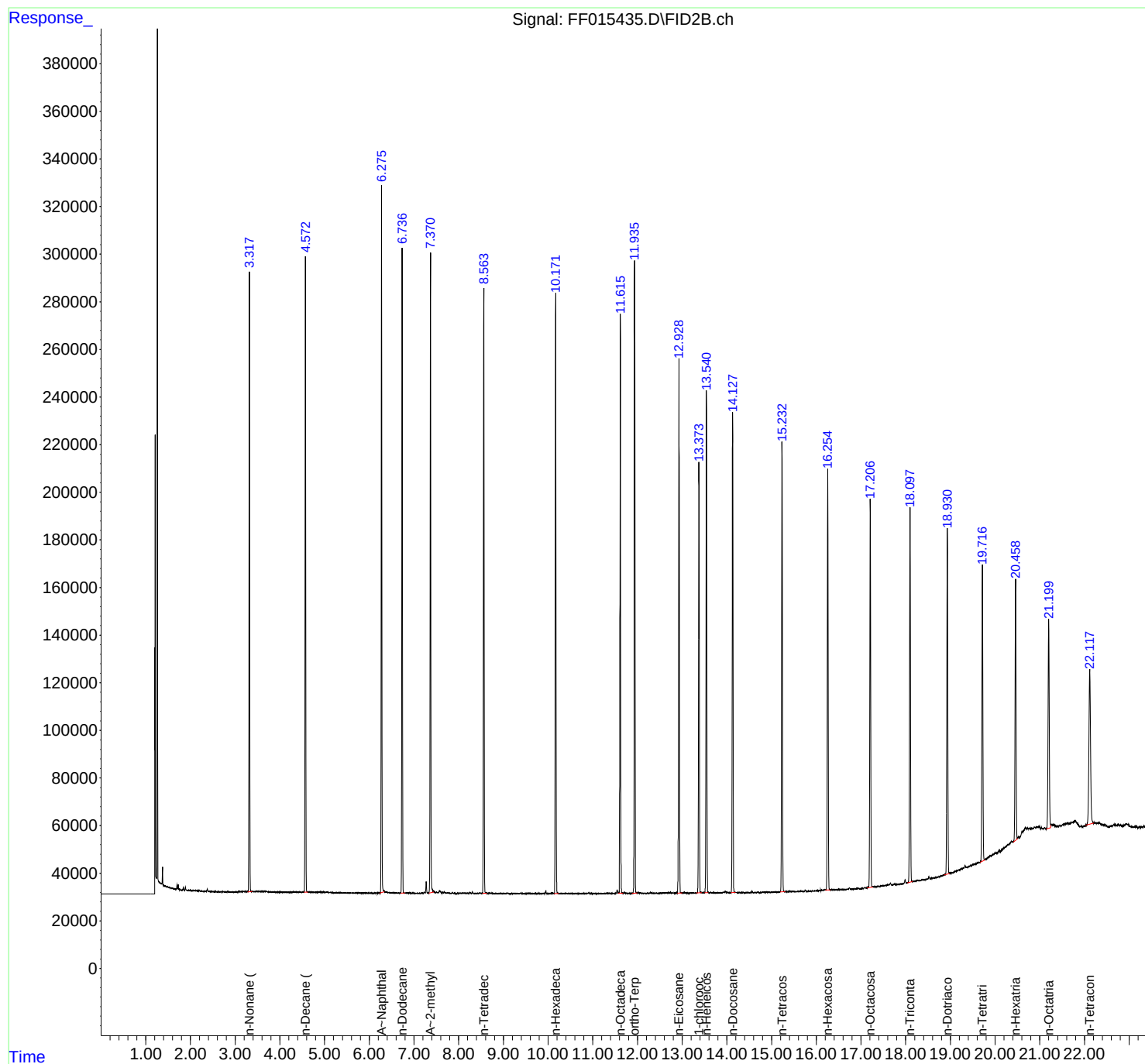
Instrument :
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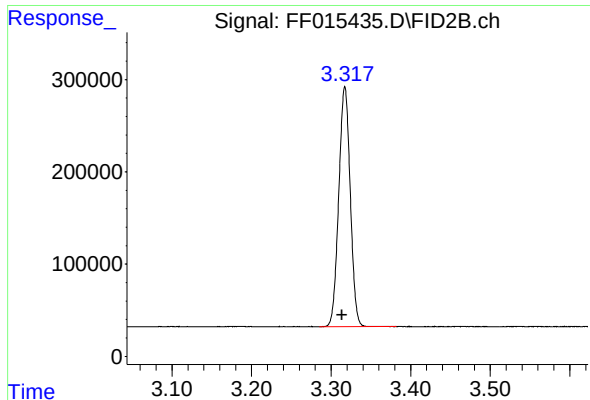
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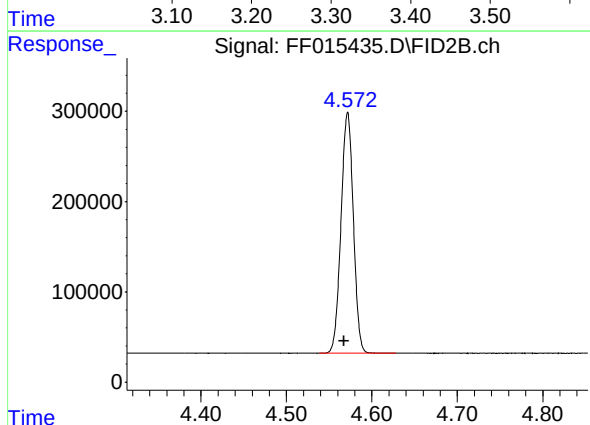
#1 n-Nonane (C9)

R.T.: 3.317 min
Delta R.T.: 0.003 min
Response: 2611131
Conc: 19.89 ug/ml

Instrument : FID_F
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20 PPM ALIPHATIC HC STD

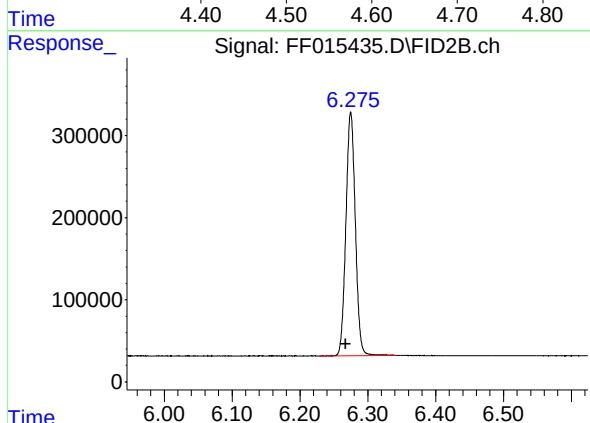
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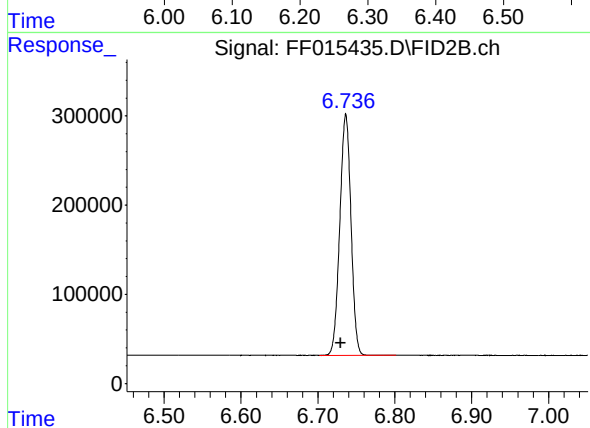
#2 n-Decane (C10)

R.T.: 4.572 min
Delta R.T.: 0.004 min
Response: 2675013
Conc: 20.00 ug/ml



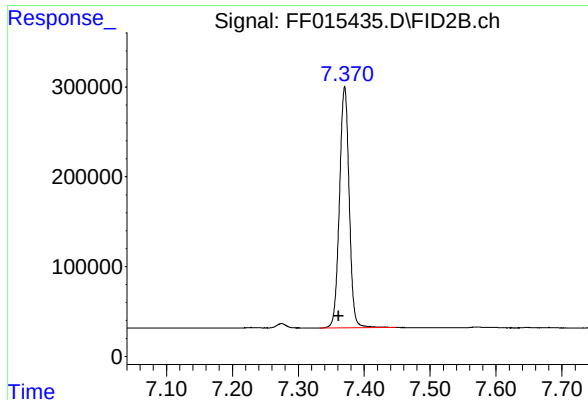
#3 A~Naphthalene (C11.7)

R.T.: 6.275 min
Delta R.T.: 0.008 min
Response: 2865079
Conc: 19.70 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.736 min
Delta R.T.: 0.007 min
Response: 2720618
Conc: 20.18 ug/ml



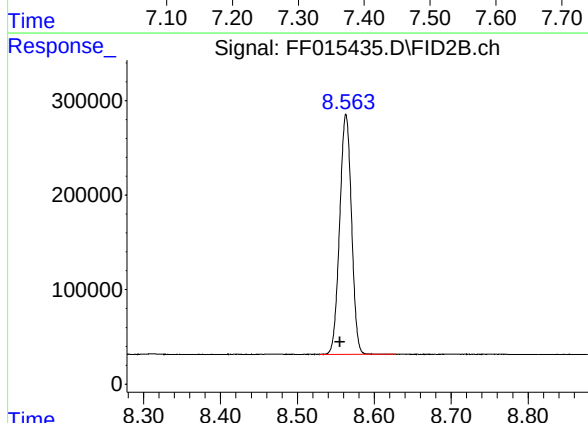
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.370 min
Delta R.T.: 0.009 min
Response: 2754659
Conc: 19.58 ug/ml

Instrument : FID_F
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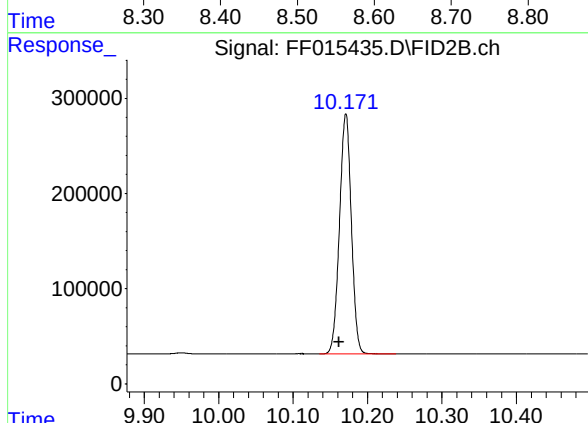
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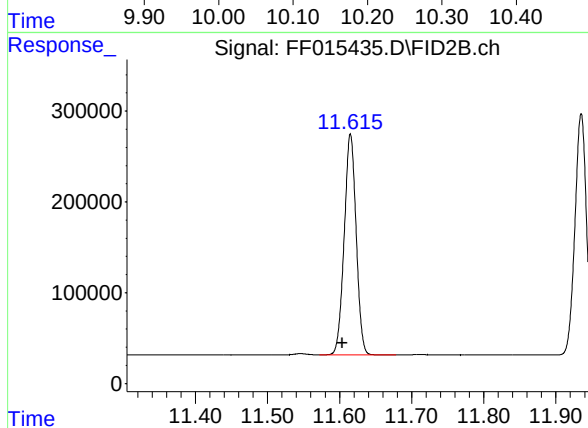
#6 n-Tetradecane (C14)

R.T.: 8.563 min
Delta R.T.: 0.008 min
Response: 2708022
Conc: 20.04 ug/ml



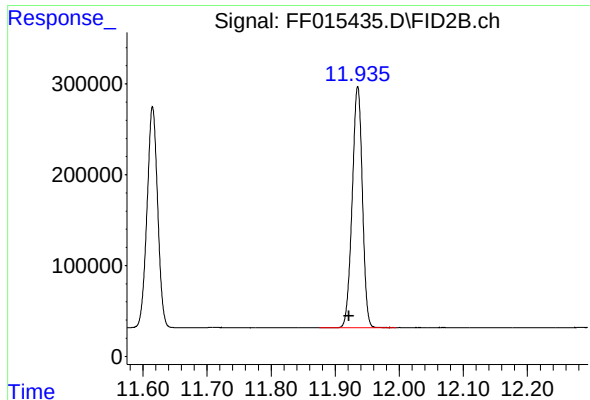
#7 n-Hexadecane (C16)

R.T.: 10.171 min
Delta R.T.: 0.009 min
Response: 2790551
Conc: 19.69 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.615 min
Delta R.T.: 0.011 min
Response: 2800662
Conc: 19.12 ug/ml



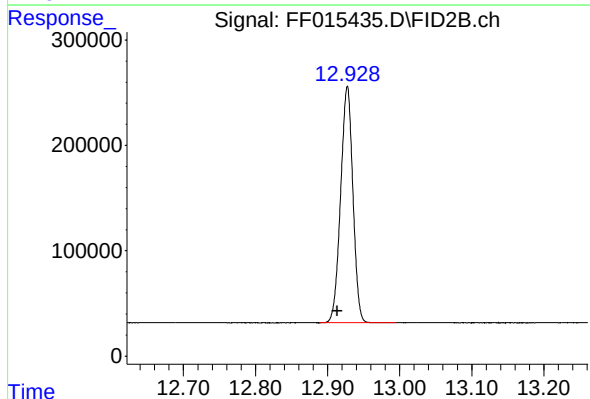
#9 ortho-Terphenyl (SURR)

R.T.: 11.935 min
Delta R.T.: 0.014 min
Response: 2930528
Conc: 18.43 ug/ml

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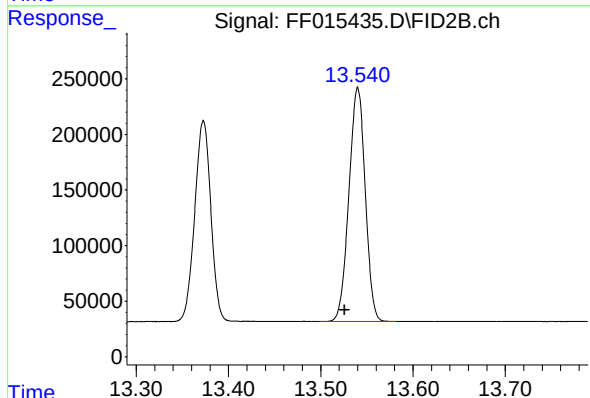
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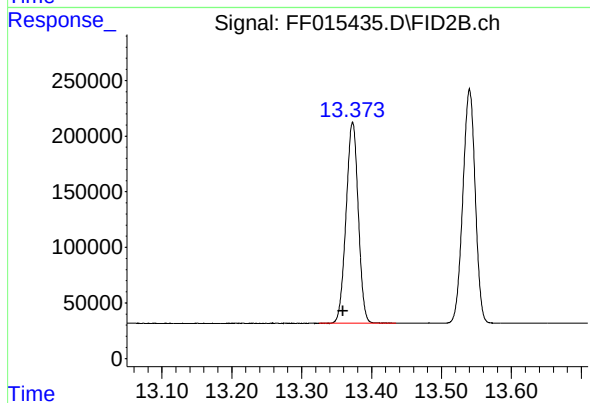
#10 n-Eicosane (C20)

R.T.: 12.927 min
Delta R.T.: 0.014 min
Response: 2653852
Conc: 18.41 ug/ml



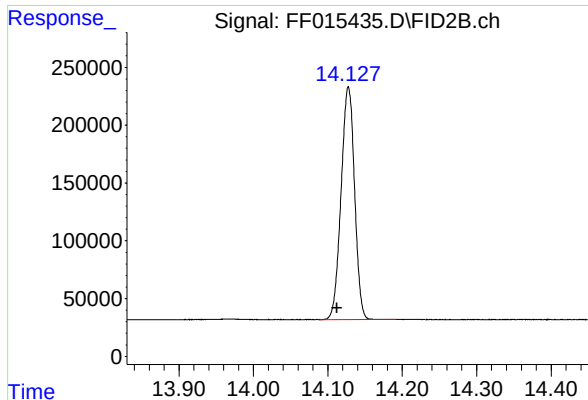
#11 n-Heneicosane (C21)

R.T.: 13.540 min
Delta R.T.: 0.014 min
Response: 2583662
Conc: 18.10 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.373 min
Delta R.T.: 0.014 min
Response: 2190929
Conc: 17.57 ug/ml



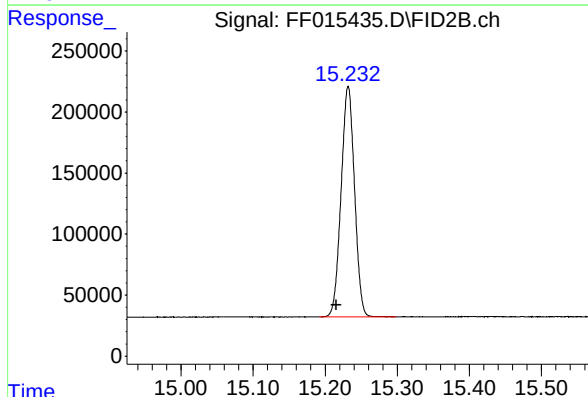
#13 n-Docosane (C22)

R.T.: 14.128 min
Delta R.T.: 0.015 min
Response: 2534736
Conc: 17.68 ug/ml

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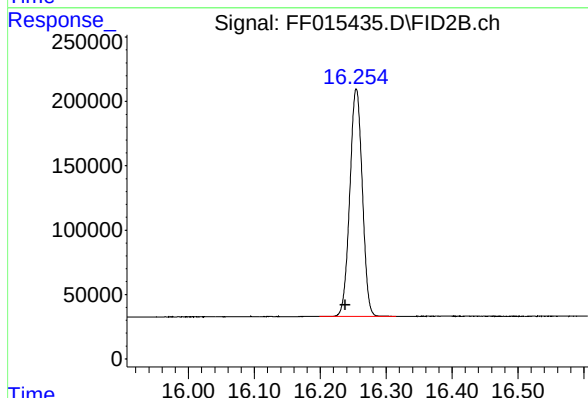
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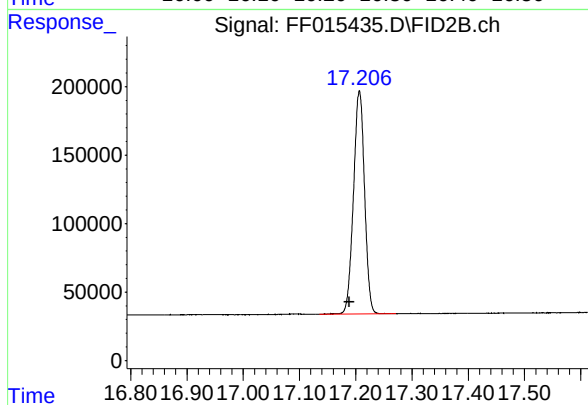
#14 n-Tetracosane (C24)

R.T.: 15.232 min
Delta R.T.: 0.016 min
Response: 2444731
Conc: 16.85 ug/ml



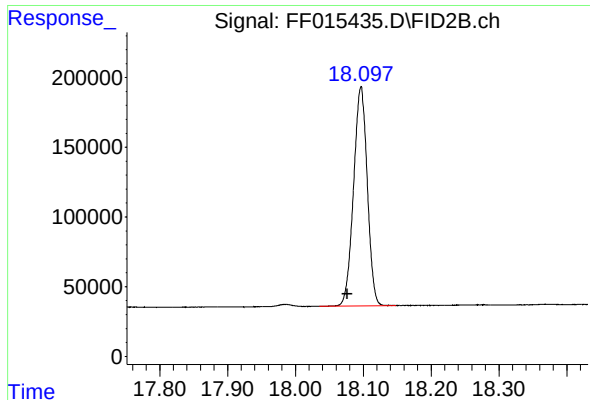
#15 n-Hexacosane (C26)

R.T.: 16.255 min
Delta R.T.: 0.016 min
Response: 2333294
Conc: 16.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.207 min
Delta R.T.: 0.018 min
Response: 2227659
Conc: 16.01 ug/ml



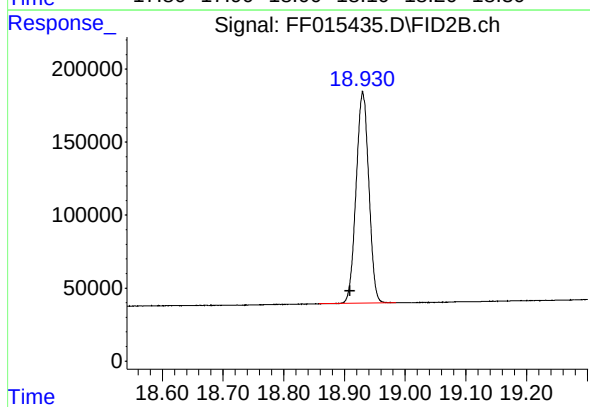
#17 n-Tricontane (C30)

R.T.: 18.097 min
Delta R.T.: 0.020 min
Response: 2209025
Conc: 15.86 ug/ml

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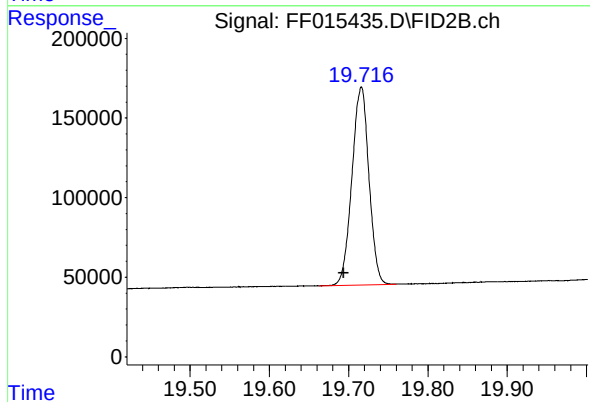
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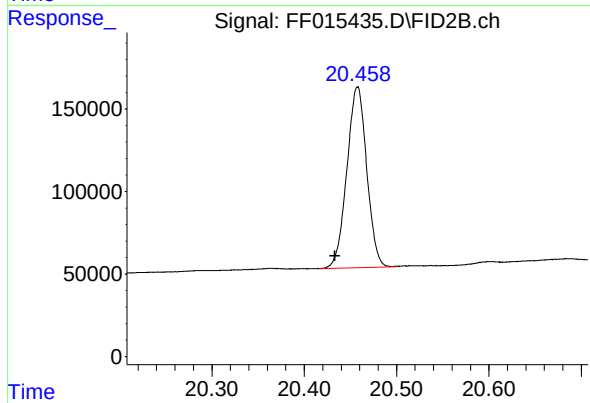
#18 n-Dotriacontane (C32)

R.T.: 18.930 min
Delta R.T.: 0.021 min
Response: 2101382
Conc: 16.11 ug/ml



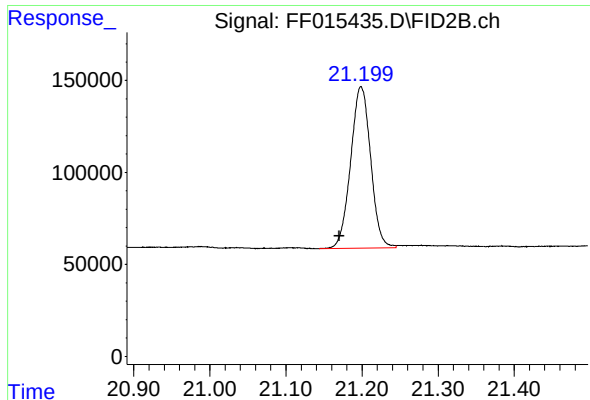
#19 n-Tetratriacontane (C34)

R.T.: 19.716 min
Delta R.T.: 0.022 min
Response: 1864099
Conc: 17.15 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.458 min
Delta R.T.: 0.025 min
Response: 1639609
Conc: 18.64 ug/ml m



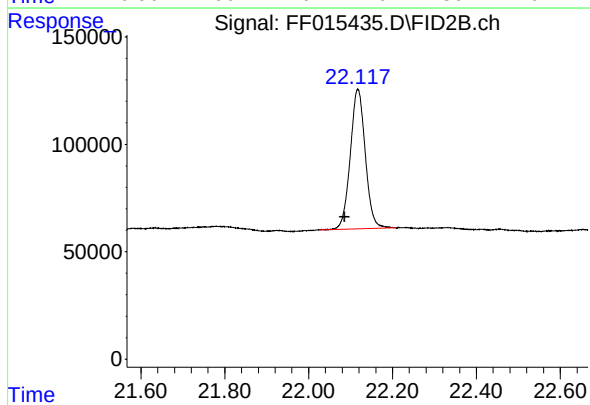
#21 n-Octatriacontane (C38)

R.T.: 21.199 min
Delta R.T.: 0.028 min
Response: 1601770
Conc: 19.44 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.117 min
Delta R.T.: 0.031 min
Response: 1611163
Conc: 20.31 ug/ml