

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061625AL\
 Data File : FE054422.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2025 00:18
 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 06/17/2025
 Supervised By :mohammad ahmed 06/18/2025

Integration File: autoint1.e
 Quant Time: Jun 17 03:37:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 061025.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 10 07:24:04 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)	11.826	3445127	20.850 ug/ml
Spiked Amount 50.000		Recovery =	41.70%
12) S 1-chlorooctadecane (S...	13.271	2560725	20.998 ug/ml
Spiked Amount 50.000		Recovery =	42.00%
Target Compounds			
1) T n-Nonane (C9)	3.175	2586717	20.830 ug/ml
2) T n-Decane (C10)	4.438	2624830	21.125 ug/ml
3) T A~Naphthalene (C11.7)	6.153	2873425	21.262 ug/ml
4) T n-Dodecane (C12)	6.620	2707549	21.264 ug/ml
5) T A~2-methylnaphthalene...	7.255	2763030	20.860 ug/ml
6) T n-Tetradecane (C14)	8.454	2717416	20.990 ug/ml
7) T n-Hexadecane (C16)	10.066	2788772	20.994 ug/ml
8) T n-Octadecane (C18)	11.513	2828344	20.946 ug/ml
10) T n-Eicosane (C20)	12.826	2792445	20.874 ug/ml
11) T n-Heneicosane (C21)	13.439	2783137	20.931 ug/ml
13) T n-Docosane (C22)	14.026	2750415	20.976 ug/ml
14) T n-Tetracosane (C24)	15.131	2733553	21.191 ug/ml
15) T n-Hexacosane (C26)	16.154	2668852	21.261 ug/ml
16) T n-Octacosane (C28)	17.106	2652197	21.627 ug/ml
17) T n-Tricontane (C30)	17.995	2744413	22.143 ug/ml
18) T n-Dotriacontane (C32)	18.829	2809489	22.361 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2705665	21.749 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2754192	21.395 ug/mlm
21) T n-Octatriacontane (C38)	21.082	2674142	20.252 ug/mlm
22) T n-Tetracontane (C40)	21.971	2601354	19.311 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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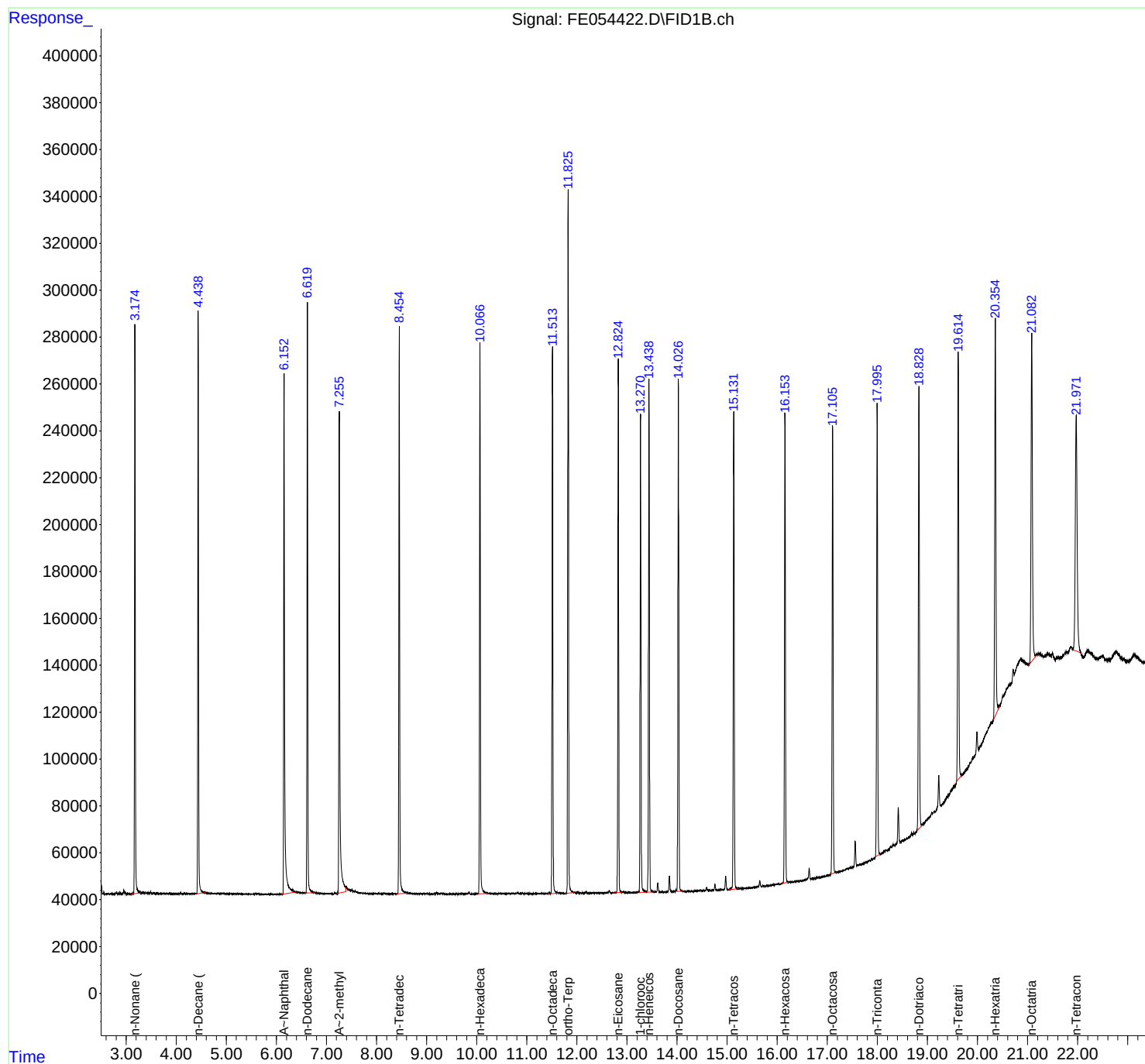
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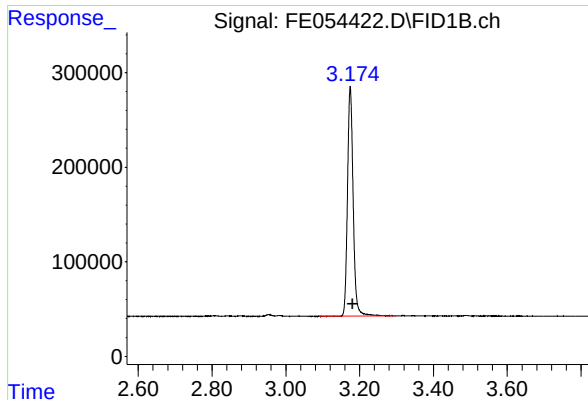
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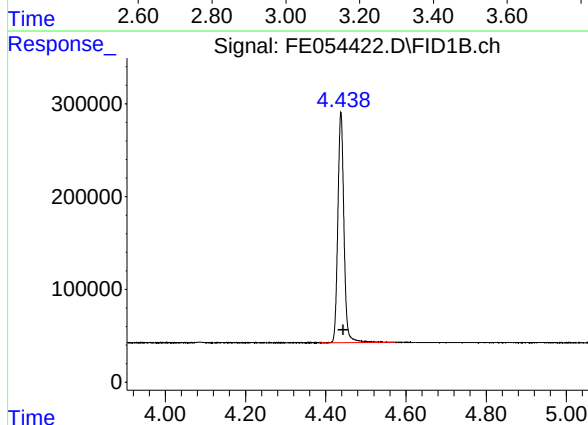
#1 n-Nonane (C9)

R.T.: 3.175 min
Delta R.T.: -0.006 min
Response: 2586717
Conc: 20.83 ug/ml

Instrument :
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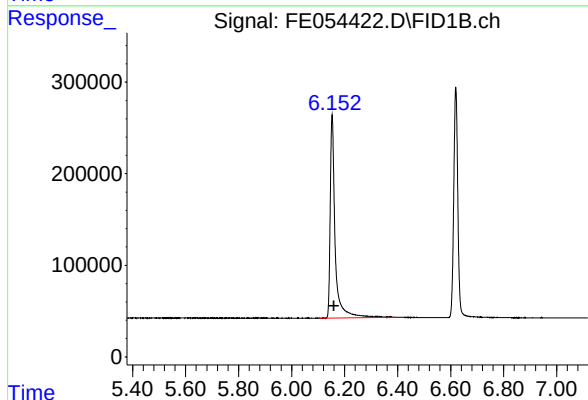
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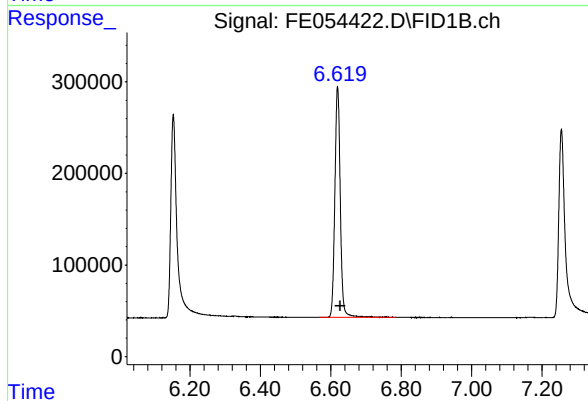
#2 n-Decane (C10)

R.T.: 4.438 min
Delta R.T.: -0.006 min
Response: 2624830
Conc: 21.12 ug/ml



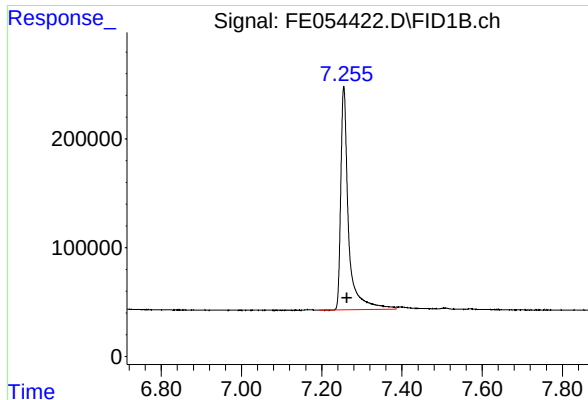
#3 A~Naphthalene (C11.7)

R.T.: 6.153 min
Delta R.T.: -0.007 min
Response: 2873425
Conc: 21.26 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.620 min
Delta R.T.: -0.007 min
Response: 2707549
Conc: 21.26 ug/ml



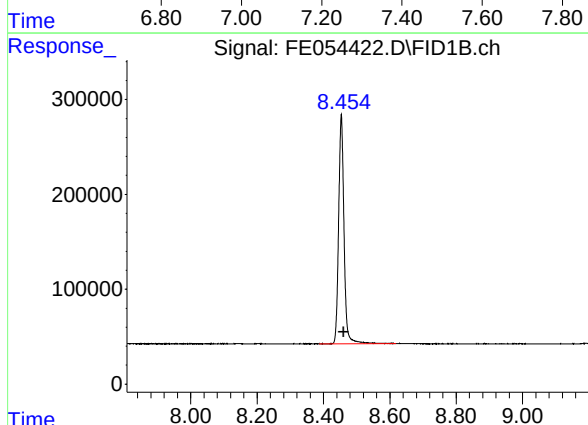
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.255 min
Delta R.T.: -0.007 min
Response: 2763030
Conc: 20.86 ug/ml

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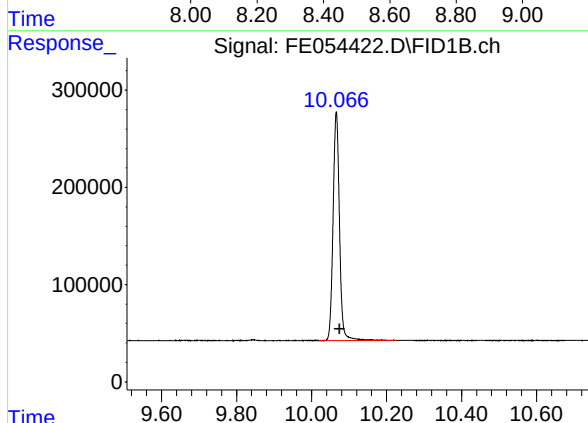
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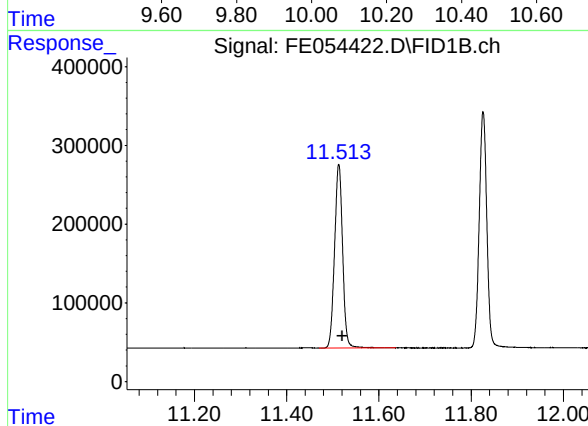
#6 n-Tetradecane (C14)

R.T.: 8.454 min
Delta R.T.: -0.008 min
Response: 2717416
Conc: 20.99 ug/ml



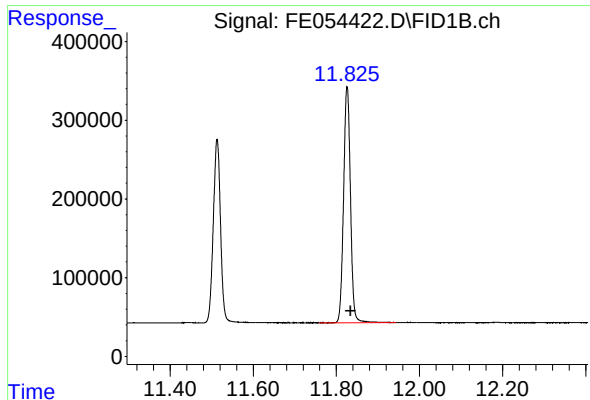
#7 n-Hexadecane (C16)

R.T.: 10.066 min
Delta R.T.: -0.008 min
Response: 2788772
Conc: 20.99 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.513 min
Delta R.T.: -0.008 min
Response: 2828344
Conc: 20.95 ug/ml



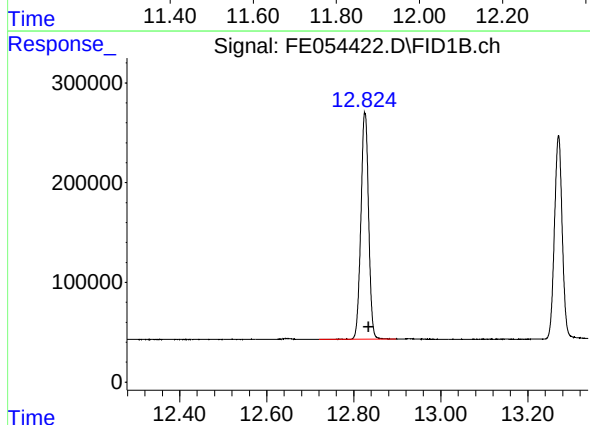
#9 ortho-Terphenyl (SURR)

R.T.: 11.826 min
Delta R.T.: -0.009 min
Response: 3445127
Conc: 20.85 ug/ml

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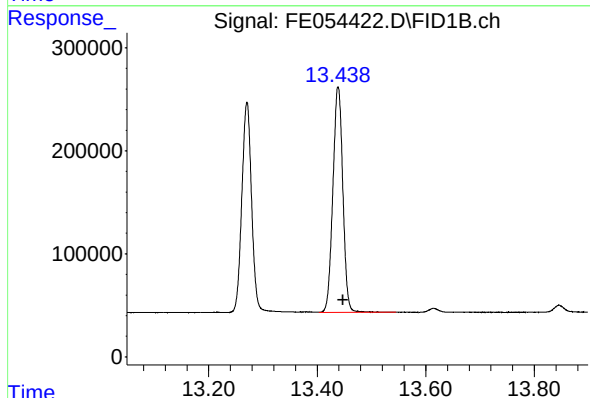
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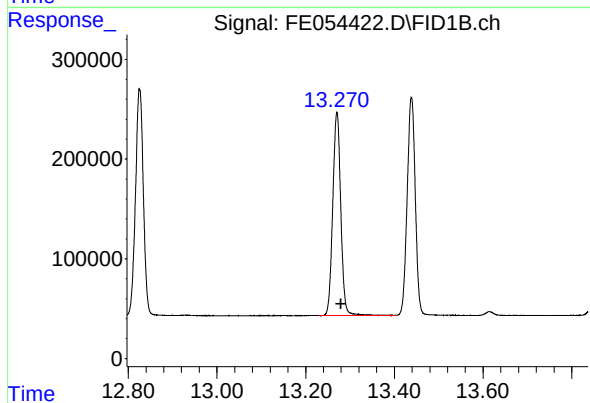
#10 n-Eicosane (C20)

R.T.: 12.826 min
Delta R.T.: -0.009 min
Response: 2792445
Conc: 20.87 ug/ml



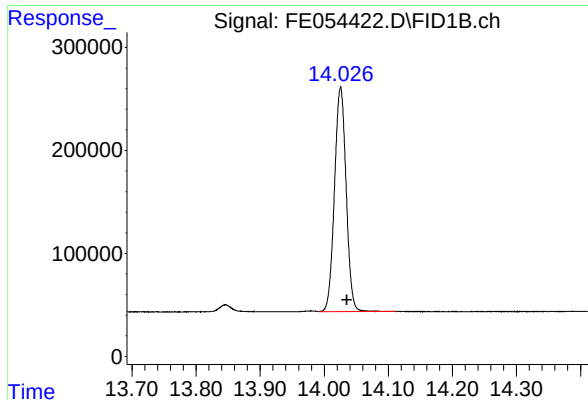
#11 n-Heneicosane (C21)

R.T.: 13.439 min
Delta R.T.: -0.009 min
Response: 2783137
Conc: 20.93 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.271 min
Delta R.T.: -0.009 min
Response: 2560725
Conc: 21.00 ug/ml



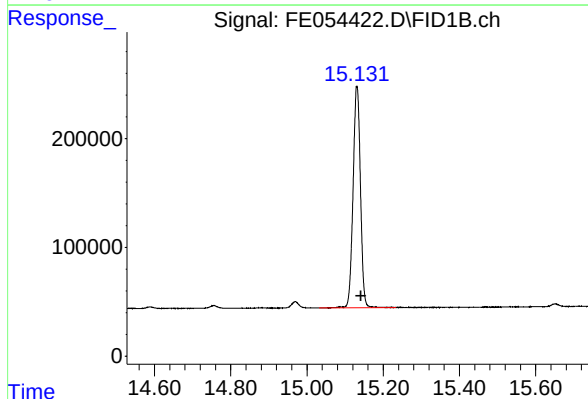
#13 n-Docosane (C22)

R.T.: 14.026 min
Delta R.T.: -0.010 min
Response: 2750415
Conc: 20.98 ug/ml

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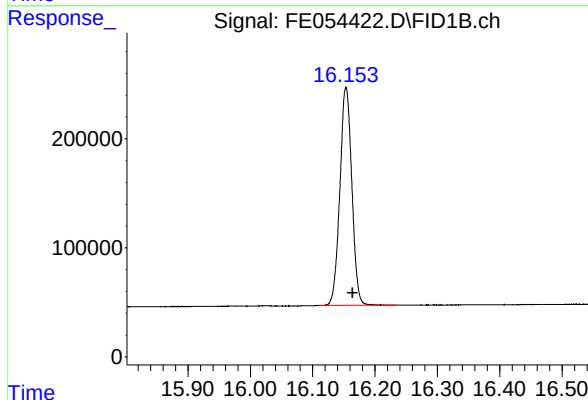
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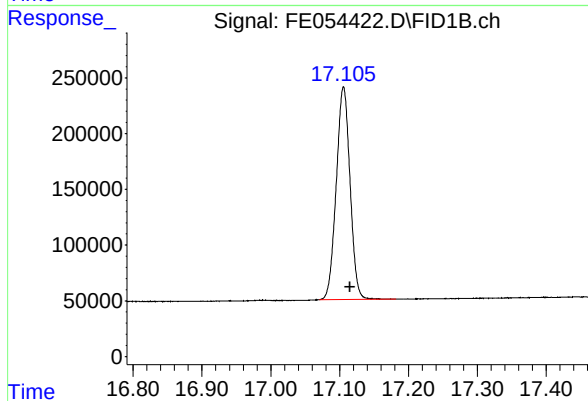
#14 n-Tetracosane (C24)

R.T.: 15.131 min
Delta R.T.: -0.010 min
Response: 2733553
Conc: 21.19 ug/ml



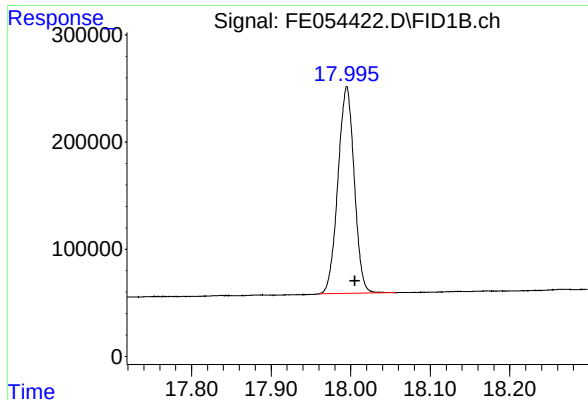
#15 n-Hexacosane (C26)

R.T.: 16.154 min
Delta R.T.: -0.011 min
Response: 2668852
Conc: 21.26 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.106 min
Delta R.T.: -0.010 min
Response: 2652197
Conc: 21.63 ug/ml



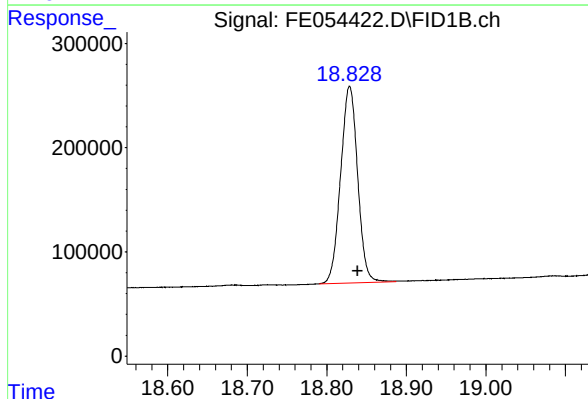
#17 n-Tricontane (C30)

R.T.: 17.995 min
Delta R.T.: -0.010 min
Response: 2744413
Conc: 22.14 ug/ml

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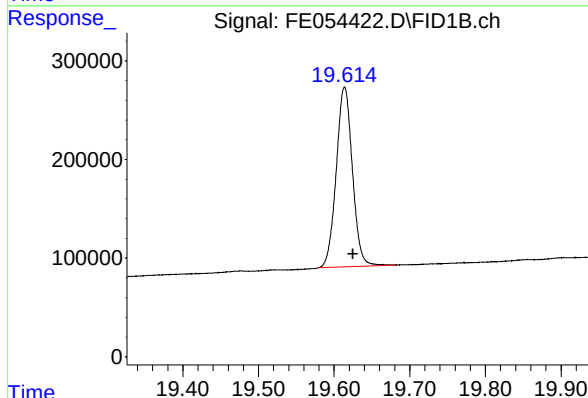
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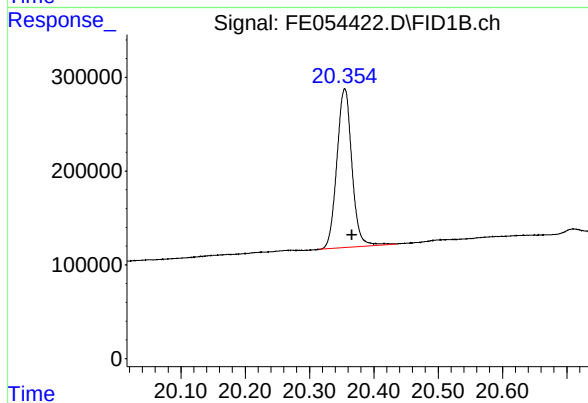
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.010 min
Response: 2809489
Conc: 22.36 ug/ml



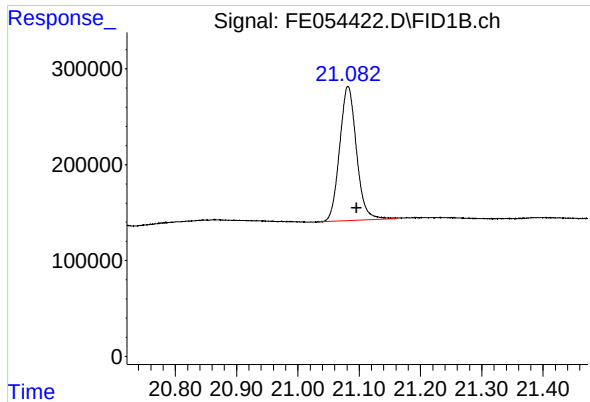
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.011 min
Response: 2705665
Conc: 21.75 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.012 min
Response: 2754192
Conc: 21.39 ug/ml m



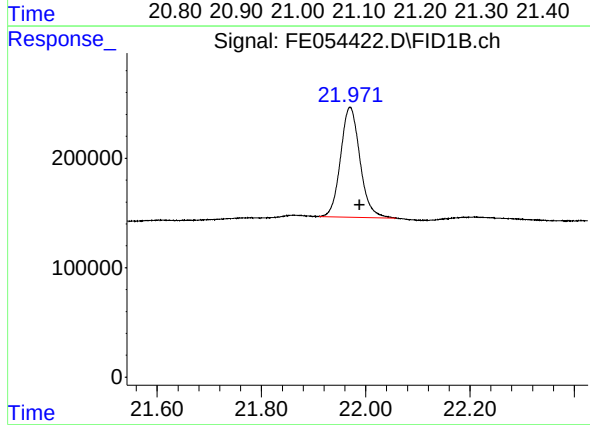
#21 n-Octatriacontane (C38)

R.T.: 21.082 min
Delta R.T.: -0.014 min
Response: 2674142
Conc: 20.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.971 min
Delta R.T.: -0.018 min
Response: 2601354
Conc: 19.31 ug/ml m