

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100424AL\
 Data File : FE050509.D
 Signal(s) : FID1B.ch
 Acq On : 04 Oct 2024 12:56
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024
 Supervised By :Ankita Jodhani 10/07/2024

Integration File: autoint1.e
 Quant Time: Oct 05 00:25:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 2024
 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)	11.861	3005652	20.202 ug/ml
Spiked Amount 50.000		Recovery =	40.40%
12) S 1-chlorooctadecane (S...	13.294	2260426	20.124 ug/ml
Spiked Amount 50.000		Recovery =	40.25%
Target Compounds			
1) T n-Nonane (C9)	3.252	2702328	19.937 ug/ml
2) T n-Decane (C10)	4.501	2756564	19.973 ug/ml
3) T A~Naphthalene (C11.7)	6.211	2796666	19.981 ug/ml
4) T n-Dodecane (C12)	6.668	2776496	20.078 ug/ml
5) T A~2-methylnaphthalene...	7.307	2597999	19.766 ug/ml
6) T n-Tetradecane (C14)	8.495	2704419	19.860 ug/ml
7) T n-Hexadecane (C16)	10.100	2808119	20.216 ug/ml
8) T n-Octadecane (C18)	11.541	2840860	20.277 ug/ml
10) T n-Eicosane (C20)	12.848	2705254	20.167 ug/mlm
11) T n-Heneicosane (C21)	13.459	2664196	20.276 ug/ml
13) T n-Docosane (C22)	14.044	2641017	20.282 ug/ml
14) T n-Tetracosane (C24)	15.145	2631925	20.154 ug/ml
15) T n-Hexacosane (C26)	16.164	2592784	20.266 ug/ml
16) T n-Octacosane (C28)	17.112	2645307	20.537 ug/ml
17) T n-Tricontane (C30)	17.999	2824115	21.119 ug/ml
18) T n-Dotriacontane (C32)	18.829	2847976	21.372 ug/ml
19) T n-Tetratriacontane (C34)	19.613	2592002	20.977 ug/mlm
20) T n-Hexatriacontane (C36)	20.352	2300214	20.732 ug/mlm
21) T n-Octatriacontane (C38)	21.074	2163558	19.619 ug/ml
22) T n-Tetracontane (C40)	21.959	1952637	17.945 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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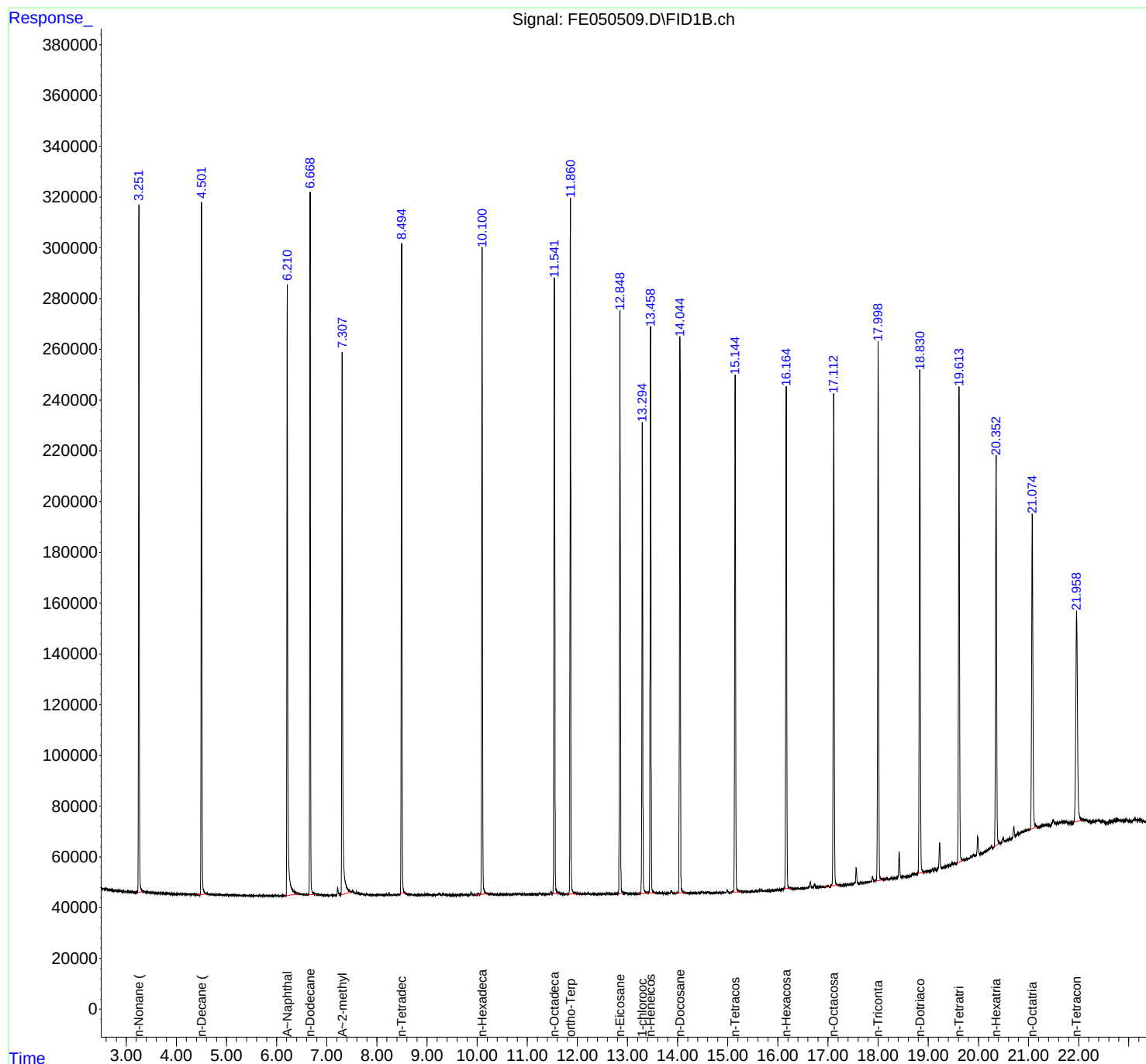
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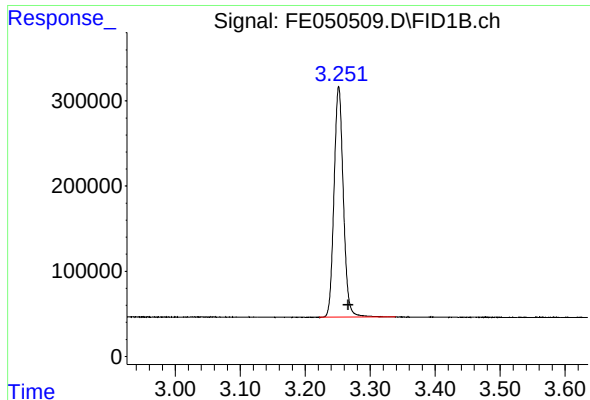
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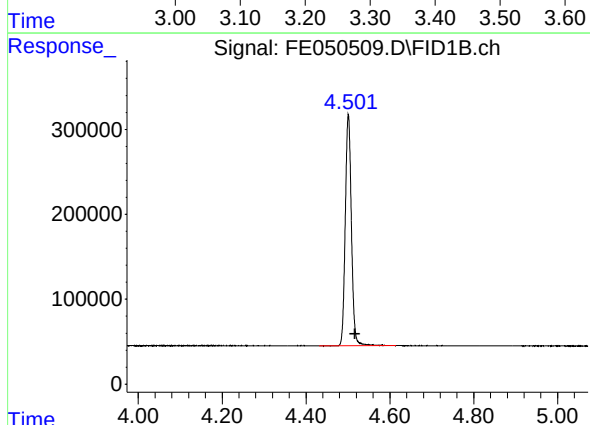
#1 n-Nonane (C9)

R.T.: 3.252 min
Delta R.T.: -0.014 min
Response: 2702328
Conc: 19.94 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

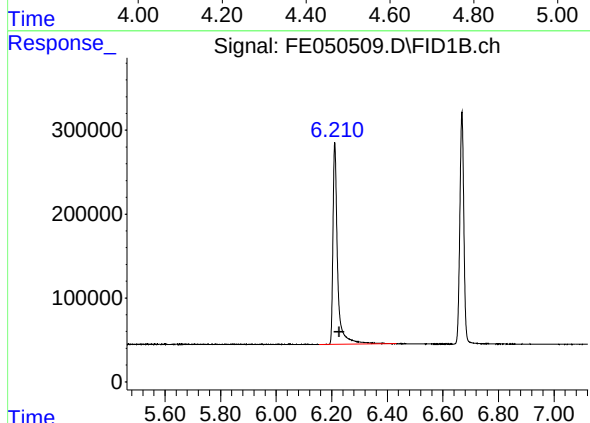
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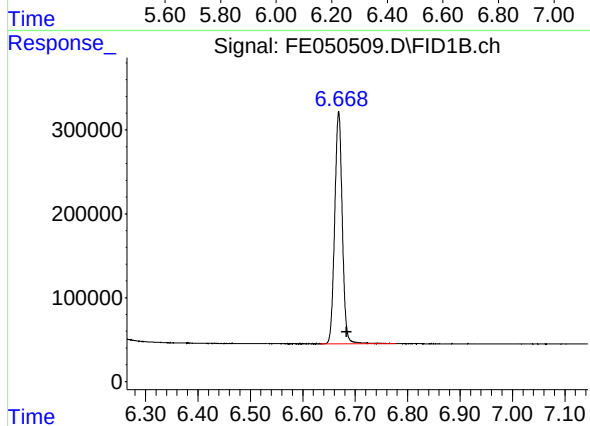
#2 n-Decane (C10)

R.T.: 4.501 min
Delta R.T.: -0.016 min
Response: 2756564
Conc: 19.97 ug/ml



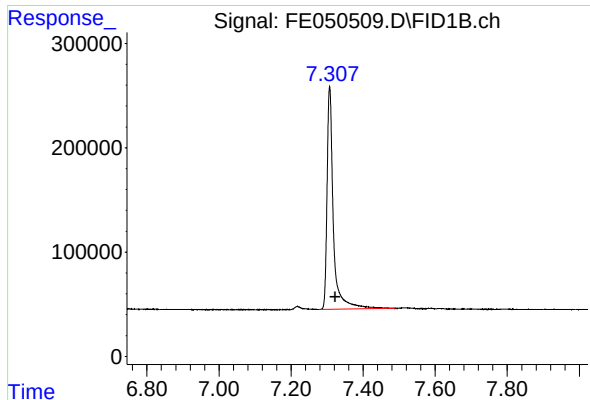
#3 A~Naphthalene (C11.7)

R.T.: 6.211 min
Delta R.T.: -0.016 min
Response: 2796666
Conc: 19.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.668 min
Delta R.T.: -0.015 min
Response: 2776496
Conc: 20.08 ug/ml



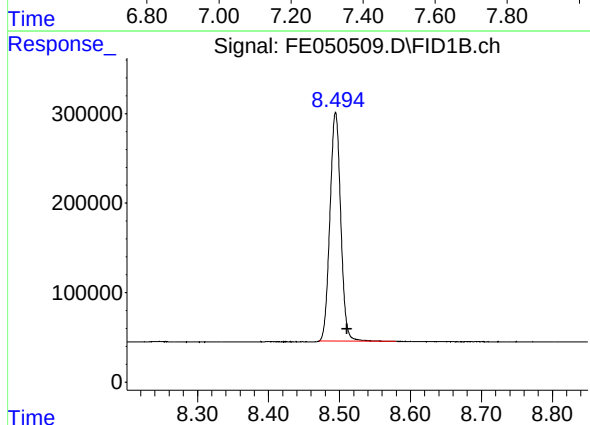
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.307 min
Delta R.T.: -0.016 min
Response: 2597999
Conc: 19.77 ug/ml

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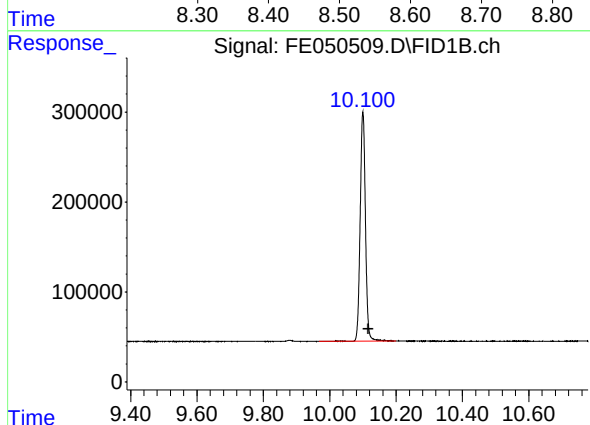
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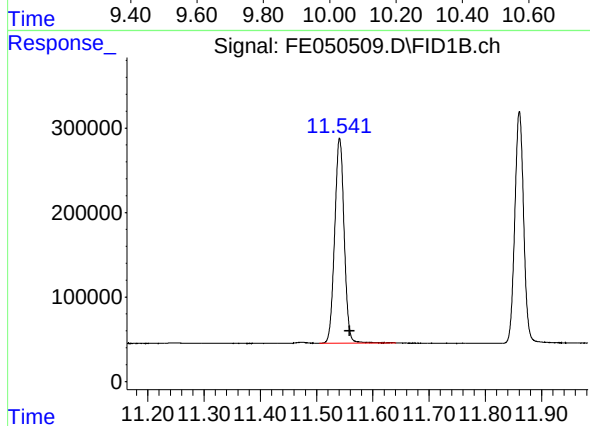
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.016 min
Response: 2704419
Conc: 19.86 ug/ml



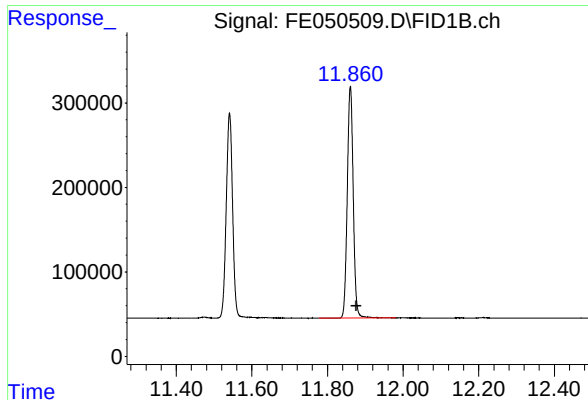
#7 n-Hexadecane (C16)

R.T.: 10.100 min
Delta R.T.: -0.017 min
Response: 2808119
Conc: 20.22 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.541 min
Delta R.T.: -0.018 min
Response: 2840860
Conc: 20.28 ug/ml



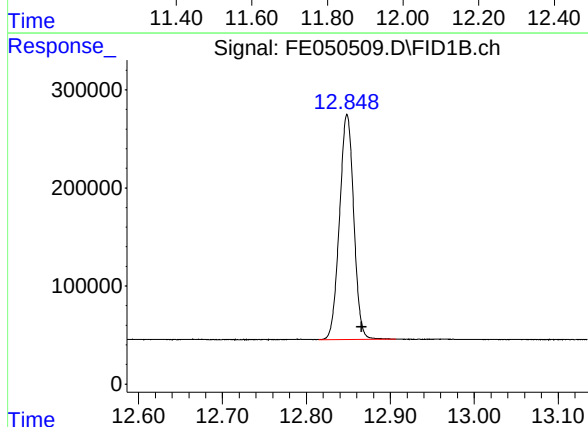
#9 ortho-Terphenyl (SURR)

R.T.: 11.861 min
Delta R.T.: -0.016 min
Response: 3005652
Conc: 20.20 ug/ml

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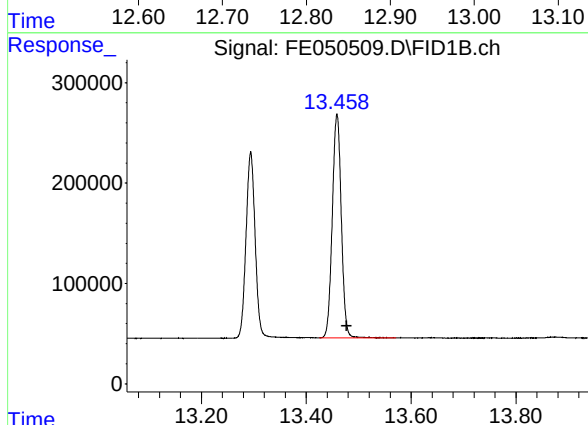
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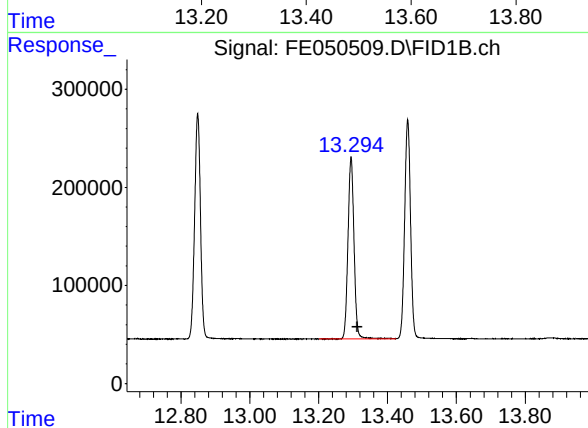
#10 n-Eicosane (C20)

R.T.: 12.848 min
Delta R.T.: -0.018 min
Response: 2705254
Conc: 20.17 ug/ml m



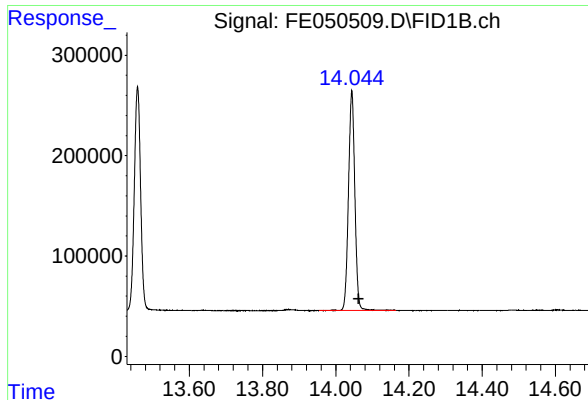
#11 n-Heneicosane (C21)

R.T.: 13.459 min
Delta R.T.: -0.019 min
Response: 2664196
Conc: 20.28 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.294 min
Delta R.T.: -0.018 min
Response: 2260426
Conc: 20.12 ug/ml



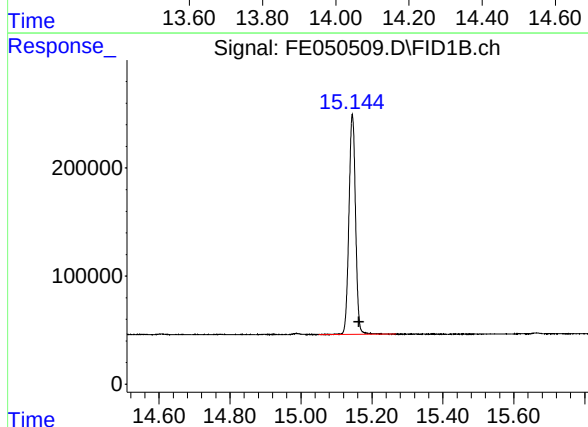
#13 n-Docosane (C22)

R.T.: 14.044 min
Delta R.T.: -0.019 min
Response: 2641017
Conc: 20.28 ug/ml

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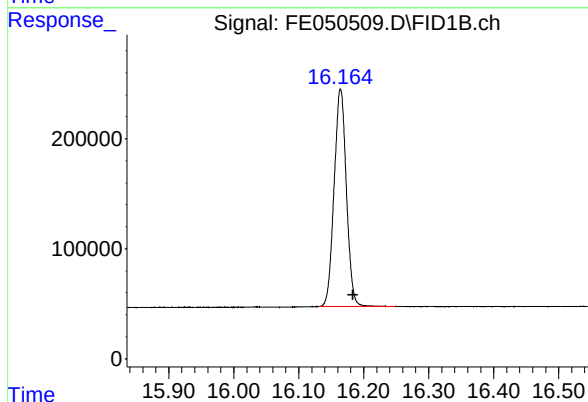
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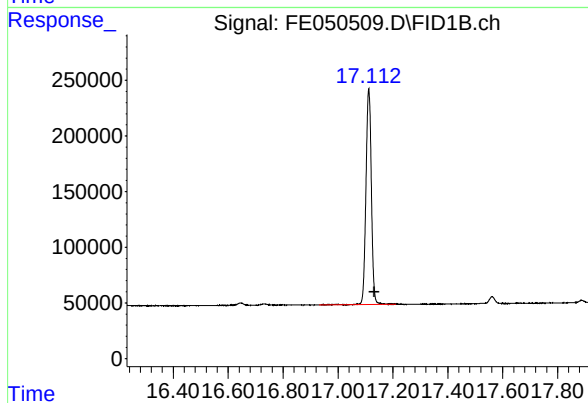
#14 n-Tetracosane (C24)

R.T.: 15.145 min
Delta R.T.: -0.019 min
Response: 2631925
Conc: 20.15 ug/ml



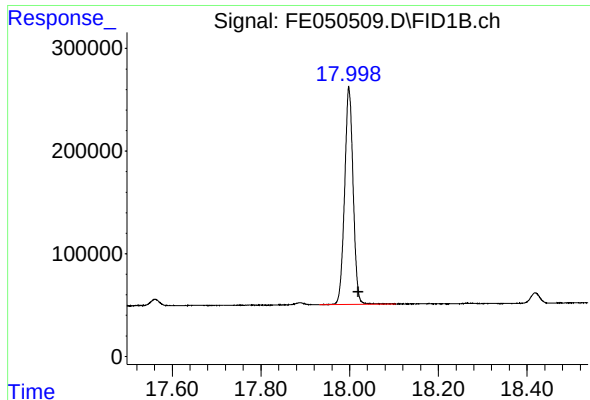
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: -0.020 min
Response: 2592784
Conc: 20.27 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.112 min
Delta R.T.: -0.021 min
Response: 2645307
Conc: 20.54 ug/ml



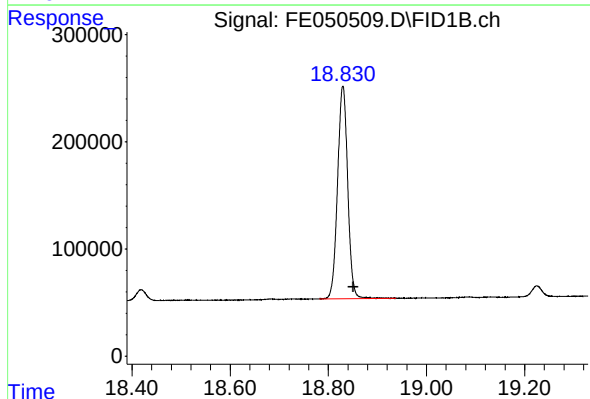
#17 n-Tricontane (C30)

R.T.: 17.999 min
Delta R.T.: -0.021 min
Response: 2824115
Conc: 21.12 ug/ml

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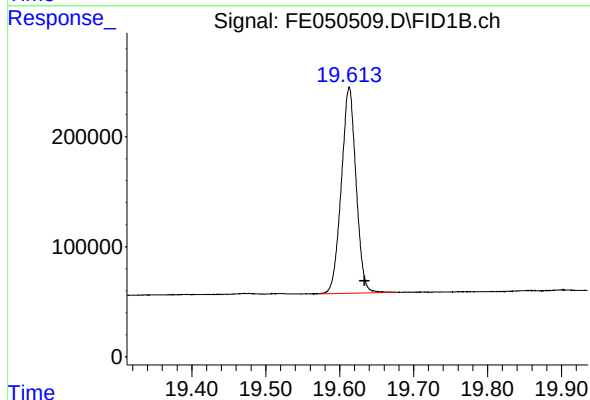
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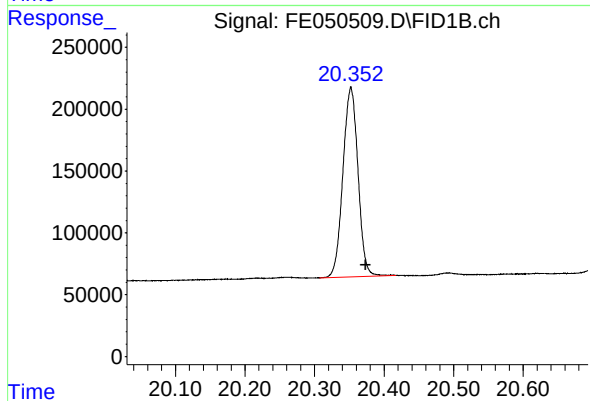
#18 n-Dotriacontane (C32)

R.T.: 18.829 min
Delta R.T.: -0.022 min
Response: 2847976
Conc: 21.37 ug/ml



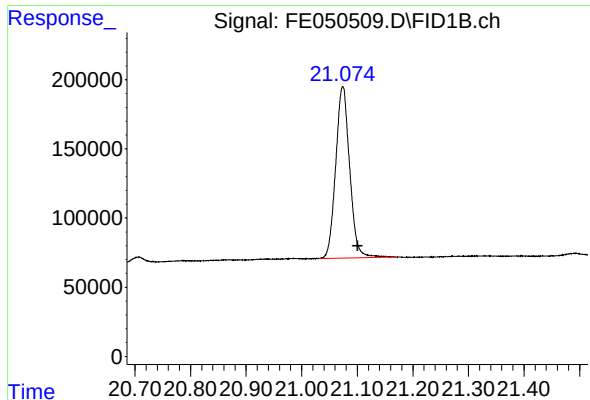
#19 n-Tetratriacontane (C34)

R.T.: 19.613 min
Delta R.T.: -0.021 min
Response: 2592002
Conc: 20.98 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min
Delta R.T.: -0.022 min
Response: 2300214
Conc: 20.73 ug/ml m



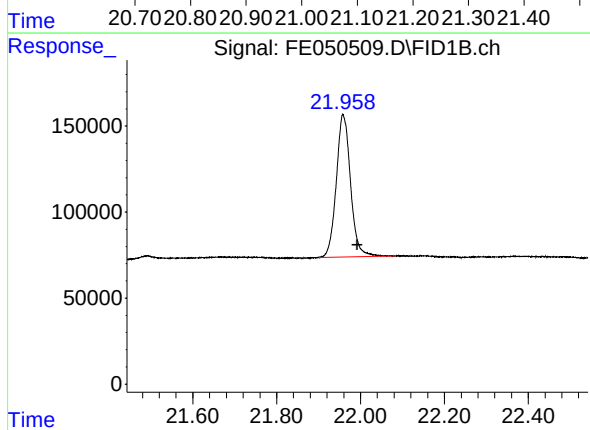
#21 n-Octatriacontane (C38)

R.T.: 21.074 min
Delta R.T.: -0.027 min
Response: 2163558
Conc: 19.62 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.959 min
Delta R.T.: -0.033 min
Response: 1952637
Conc: 17.94 ug/ml