

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE091624AL\
 Data File : FE050118.D
 Signal(s) : FID1B.ch
 Acq On : 16 Sep 2024 14:22
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/17/2024
 Supervised By :Ankita Jodhani 09/17/2024

Integration File: autoint1.e
 Quant Time: Sep 17 01:39:15 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)	11.876	2781689	18.697 ug/ml
Spiked Amount 50.000		Recovery =	37.39%
12) S 1-chlorooctadecane (S...	13.311	2110069	18.785 ug/ml
Spiked Amount 50.000		Recovery =	37.57%
Target Compounds			
1) T n-Nonane (C9)	3.264	2533641	18.692 ug/ml
2) T n-Decane (C10)	4.515	2608549	18.901 ug/ml
3) T A~Naphthalene (C11.7)	6.225	2657616	18.987 ug/ml
4) T n-Dodecane (C12)	6.683	2617372	18.928 ug/ml
5) T A~2-methylnaphthalene...	7.321	2495555	18.987 ug/ml
6) T n-Tetradecane (C14)	8.510	2574897	18.909 ug/ml
7) T n-Hexadecane (C16)	10.116	2626469	18.909 ug/ml
8) T n-Octadecane (C18)	11.557	2633739	18.799 ug/ml
10) T n-Eicosane (C20)	12.865	2514738	18.746 ug/ml
11) T n-Heneicosane (C21)	13.476	2470297	18.800 ug/ml
13) T n-Docosane (C22)	14.061	2444493	18.772 ug/ml
14) T n-Tetracosane (C24)	15.164	2447871	18.745 ug/ml
15) T n-Hexacosane (C26)	16.183	2408364	18.824 ug/ml
16) T n-Octacosane (C28)	17.132	2459175	19.092 ug/ml
17) T n-Tricontane (C30)	18.018	2591192	19.378 ug/ml
18) T n-Dotriacontane (C32)	18.850	2620365	19.664 ug/ml
19) T n-Tetratriacontane (C34)	19.633	2409867	19.503 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2195888	19.792 ug/mlm
21) T n-Octatriacontane (C38)	21.098	2104772	19.086 ug/ml
22) T n-Tetracontane (C40)	21.991	2062411	18.953 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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ALS Vial : 6 Sample Multiplier: 1

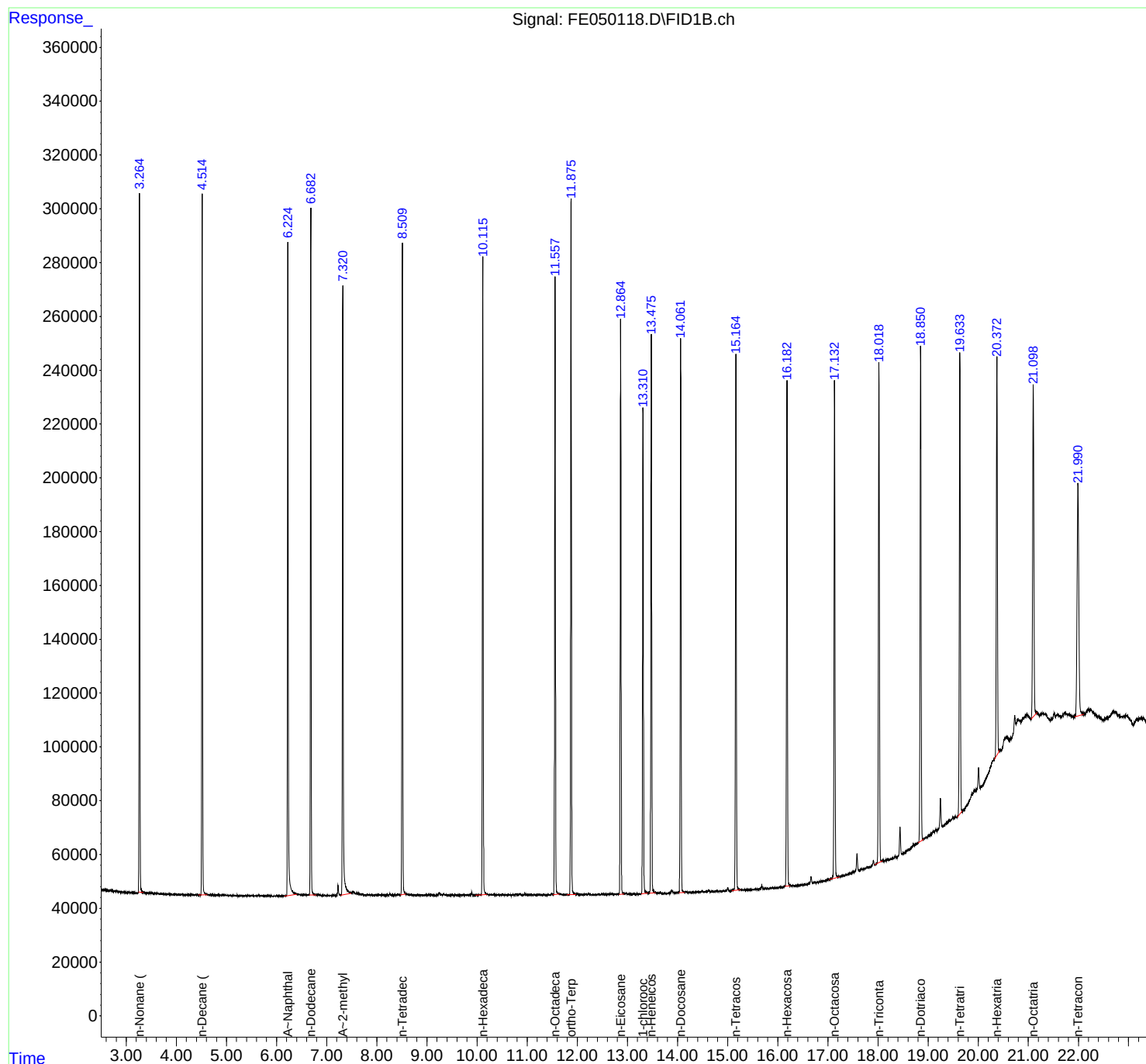
Instrument :
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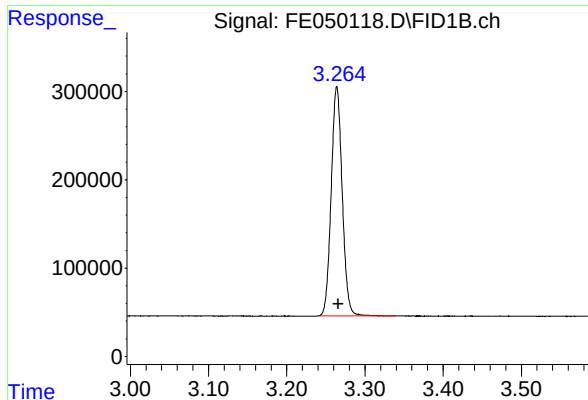
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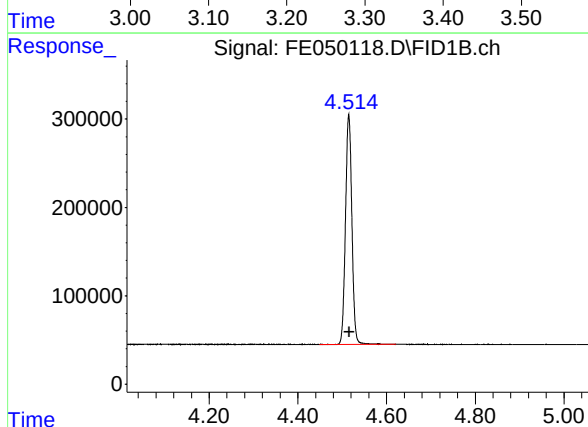
#1 n-Nonane (C9)

R.T.: 3.264 min
Delta R.T.: -0.002 min
Response: 2533641
Conc: 18.69 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

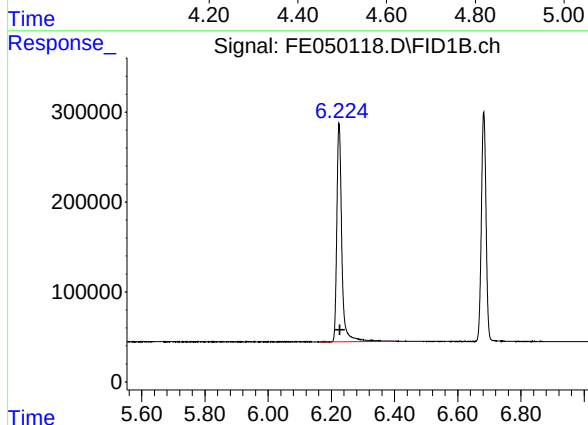
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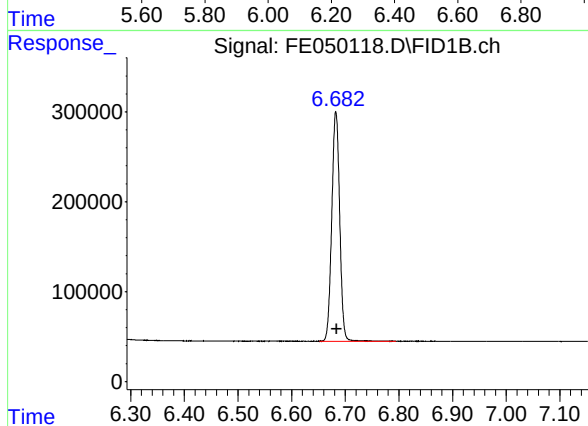
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 2608549
Conc: 18.90 ug/ml



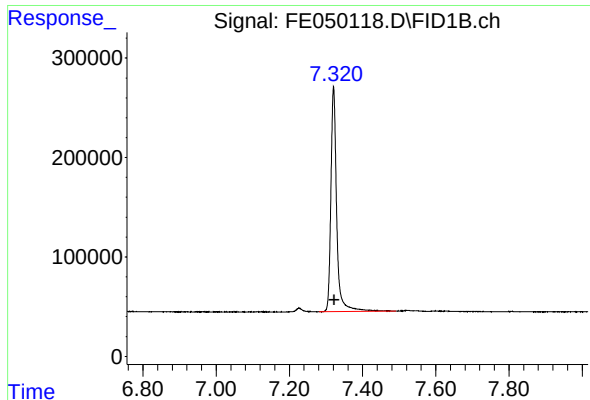
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.002 min
Response: 2657616
Conc: 18.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.683 min
Delta R.T.: -0.001 min
Response: 2617372
Conc: 18.93 ug/ml



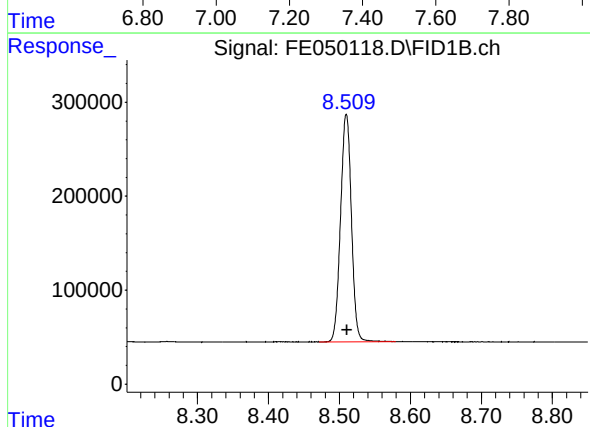
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.321 min
Delta R.T.: -0.002 min
Response: 2495555
Conc: 18.99 ug/ml

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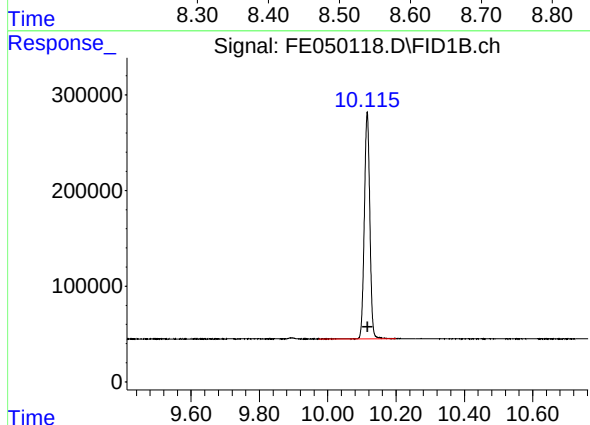
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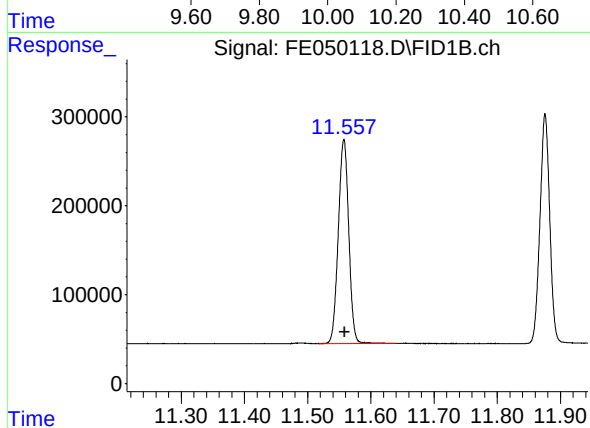
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 2574897
Conc: 18.91 ug/ml



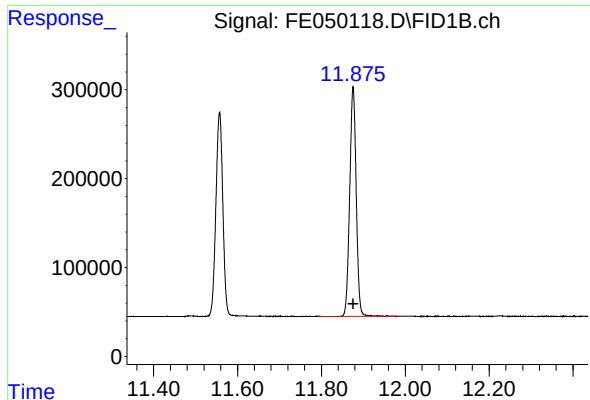
#7 n-Hexadecane (C16)

R.T.: 10.116 min
Delta R.T.: -0.001 min
Response: 2626469
Conc: 18.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.557 min
Delta R.T.: -0.001 min
Response: 2633739
Conc: 18.80 ug/ml



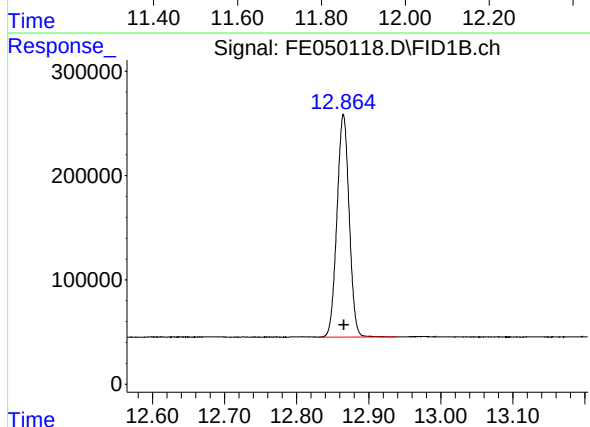
#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min
Delta R.T.: 0.000 min
Response: 2781689
Conc: 18.70 ug/ml

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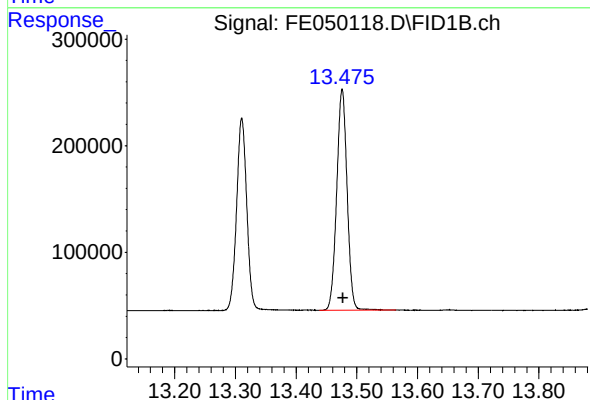
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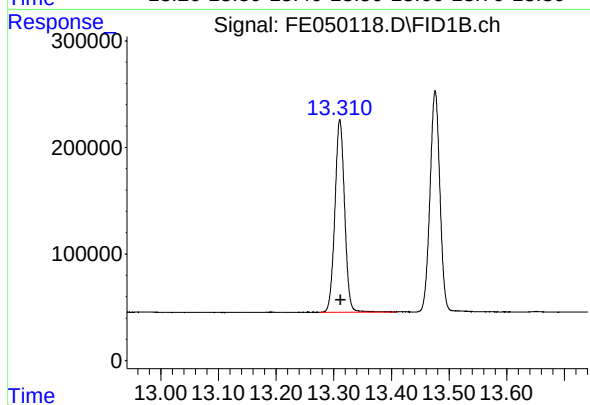
#10 n-Eicosane (C20)

R.T.: 12.865 min
Delta R.T.: -0.001 min
Response: 2514738
Conc: 18.75 ug/ml



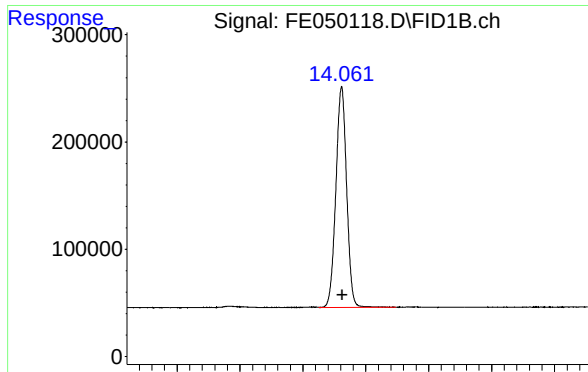
#11 n-Heneicosane (C21)

R.T.: 13.476 min
Delta R.T.: -0.001 min
Response: 2470297
Conc: 18.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.311 min
Delta R.T.: 0.000 min
Response: 2110069
Conc: 18.79 ug/ml



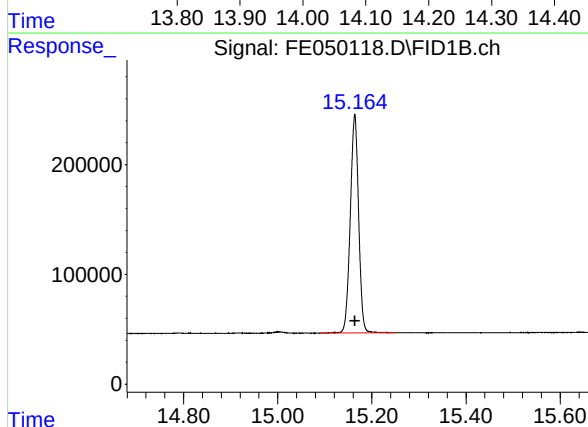
#13 n-Docosane (C22)

R.T.: 14.061 min
Delta R.T.: -0.002 min
Response: 2444493
Conc: 18.77 ug/ml

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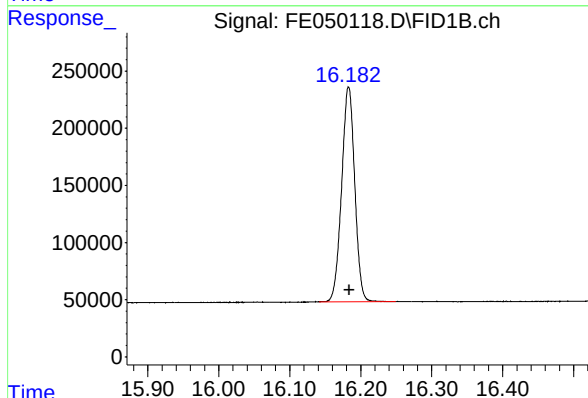
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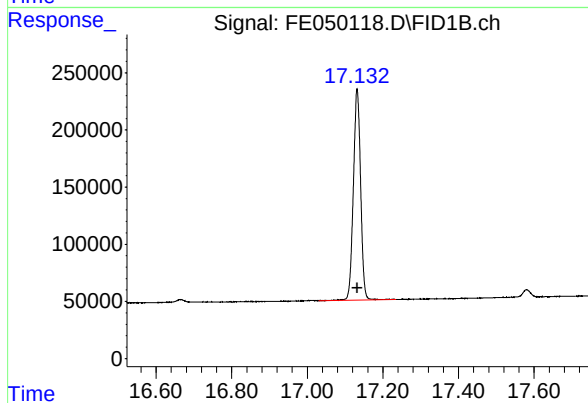
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: 0.000 min
Response: 2447871
Conc: 18.74 ug/ml



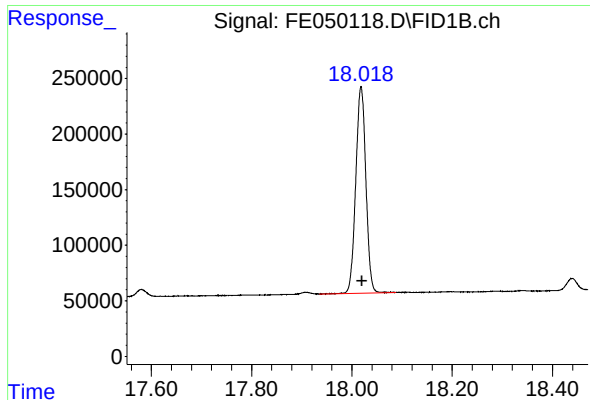
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: 0.000 min
Response: 2408364
Conc: 18.82 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.001 min
Response: 2459175
Conc: 19.09 ug/ml



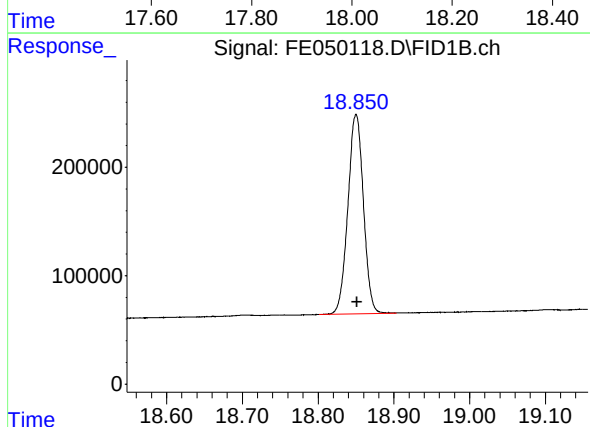
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.002 min
Response: 2591192
Conc: 19.38 ug/ml

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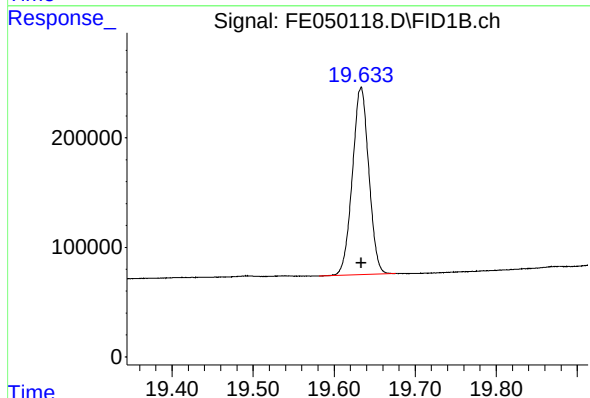
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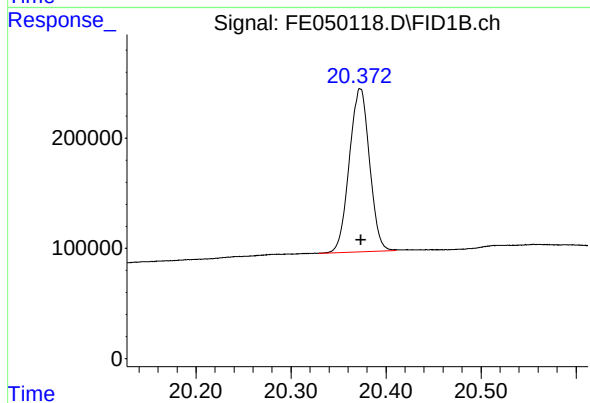
#18 n-Dotriacontane (C32)

R.T.: 18.850 min
Delta R.T.: 0.000 min
Response: 2620365
Conc: 19.66 ug/ml



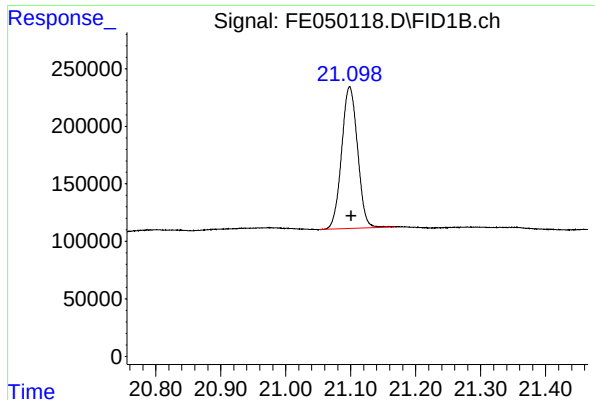
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: 0.000 min
Response: 2409867
Conc: 19.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.002 min
Response: 2195888
Conc: 19.79 ug/ml m



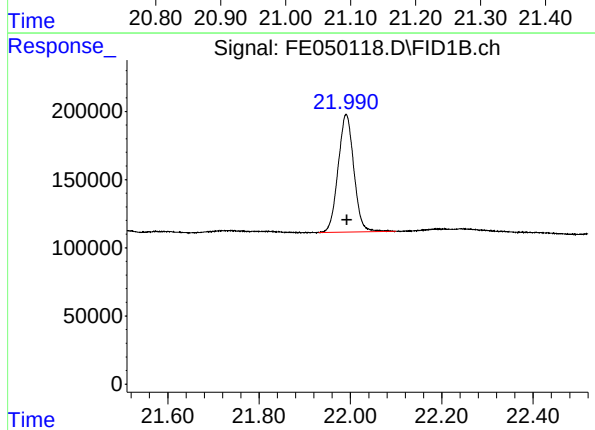
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.002 min
Response: 2104772
Conc: 19.09 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.991 min
Delta R.T.: -0.002 min
Response: 2062411
Conc: 18.95 ug/ml