

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE102824AL\
 Data File : FE050870.D
 Signal(s) : FID1B.ch
 Acq On : 28 Oct 2024 20:53
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :Ankita Jodhani 10/29/2024

Integration File: autoint1.e
 Quant Time: Oct 29 03:47:42 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 100824.M
 Quant Title : GC Extractables
 QLast Update : Mon Oct 07 16:32:18 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)	11.858	2923825	18.546 ug/ml
Spiked Amount 50.000		Recovery =	37.09%
12) S 1-chlorooctadecane (S...	13.293	2233698	18.883 ug/ml
Spiked Amount 50.000		Recovery =	37.77%
Target Compounds			
1) T n-Nonane (C9)	3.246	2639002	18.678 ug/ml
2) T n-Decane (C10)	4.497	2725627	18.997 ug/ml
3) T A~Naphthalene (C11.7)	6.210	2723379	19.046 ug/ml
4) T n-Dodecane (C12)	6.665	2740050	19.037 ug/ml
5) T A~2-methylnaphthalene...	7.306	2516028	18.992 ug/ml
6) T n-Tetradecane (C14)	8.491	2711988	18.956 ug/ml
7) T n-Hexadecane (C16)	10.097	2782145	18.904 ug/ml
8) T n-Octadecane (C18)	11.538	2788070	18.666 ug/ml
10) T n-Eicosane (C20)	12.847	2674193	18.648 ug/ml
11) T n-Heneicosane (C21)	13.458	2617615	18.640 ug/ml
13) T n-Docosane (C22)	14.043	2610401	18.606 ug/ml
14) T n-Tetracosane (C24)	15.144	2627219	18.596 ug/ml
15) T n-Hexacosane (C26)	16.164	2634480	18.722 ug/ml
16) T n-Octacosane (C28)	17.113	2730921	18.663 ug/mlm
17) T n-Tricontane (C30)	17.999	3057297	19.228 ug/ml
18) T n-Dotriacontane (C32)	18.832	3204050	19.764 ug/ml
19) T n-Tetratriacontane (C34)	19.614	2810528	19.133 ug/ml
20) T n-Hexatriacontane (C36)	20.354	2601736	20.516 ug/ml
21) T n-Octatriacontane (C38)	21.080	2133164	17.252 ug/ml
22) T n-Tetracontane (C40)	21.965	1734865	15.580 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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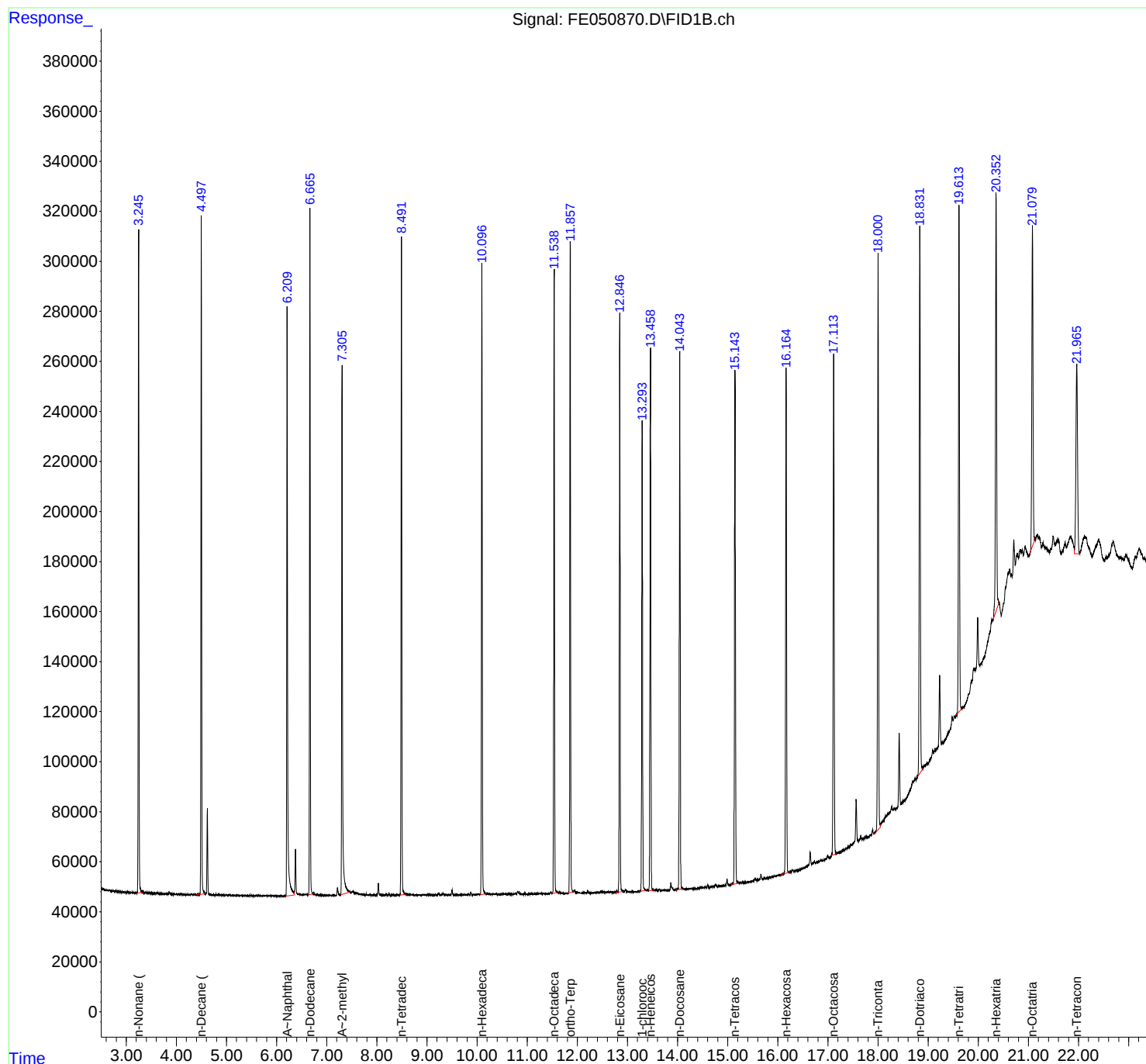
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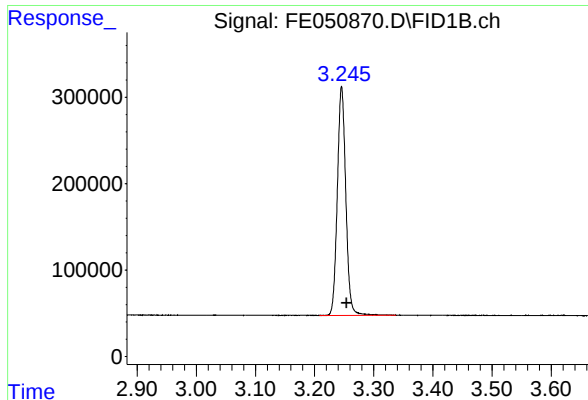
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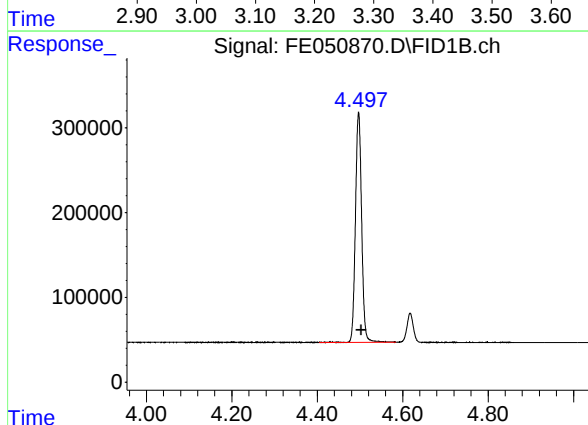
#1 n-Nonane (C9)

R.T.: 3.246 min
Delta R.T.: -0.008 min
Response: 2639002
Conc: 18.68 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

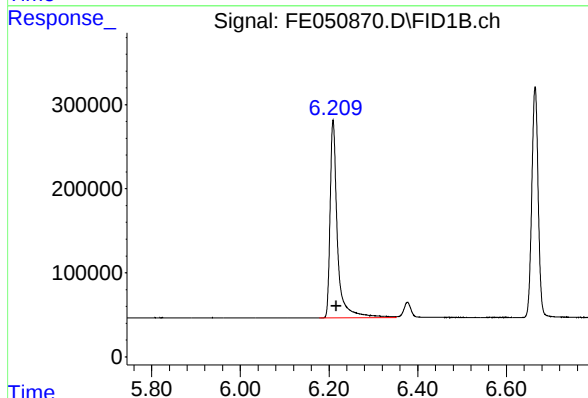
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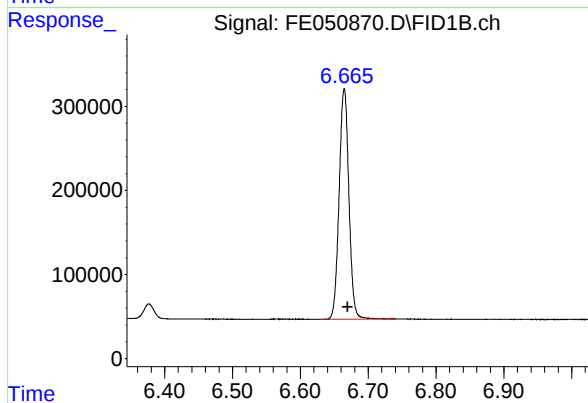
#2 n-Decane (C10)

R.T.: 4.497 min
Delta R.T.: -0.006 min
Response: 2725627
Conc: 19.00 ug/ml



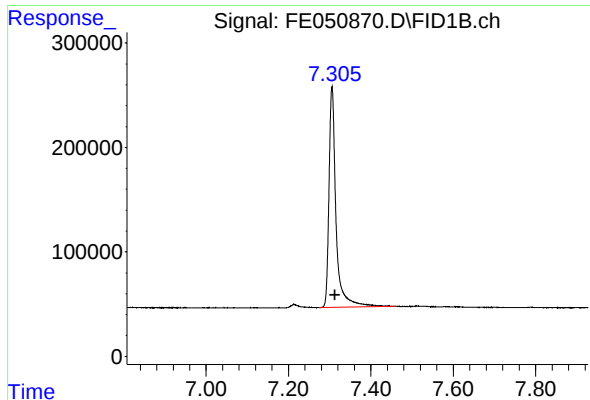
#3 A~Naphthalene (C11.7)

R.T.: 6.210 min
Delta R.T.: -0.007 min
Response: 2723379
Conc: 19.05 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.665 min
Delta R.T.: -0.005 min
Response: 2740050
Conc: 19.04 ug/ml



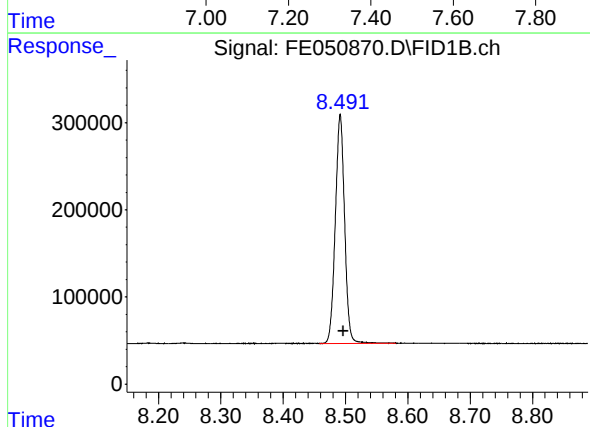
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.306 min
Delta R.T.: -0.007 min
Response: 2516028
Conc: 18.99 ug/ml

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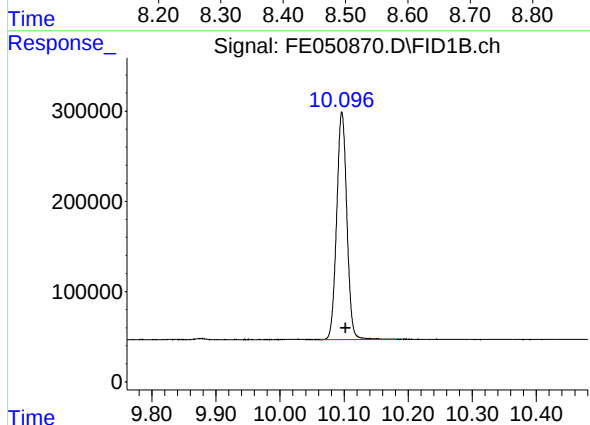
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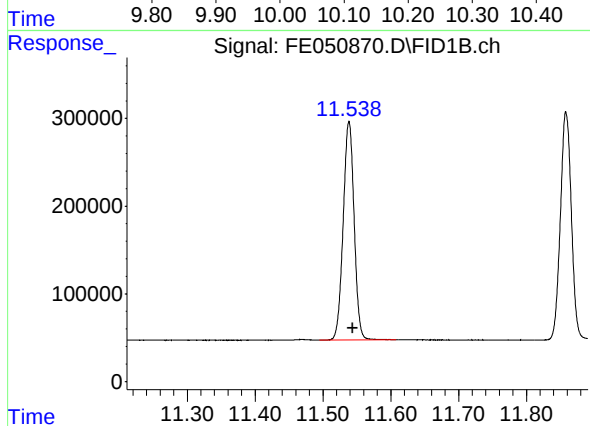
#6 n-Tetradecane (C14)

R.T.: 8.491 min
Delta R.T.: -0.005 min
Response: 2711988
Conc: 18.96 ug/ml



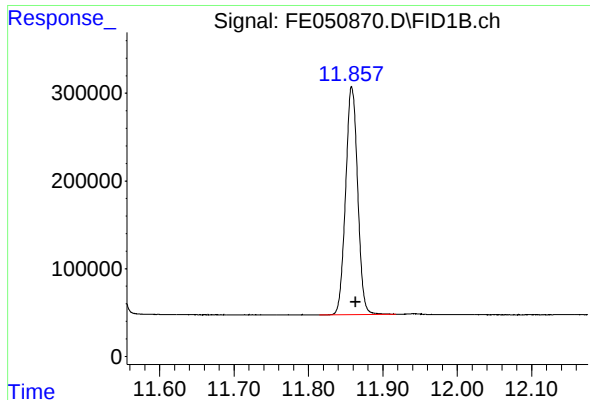
#7 n-Hexadecane (C16)

R.T.: 10.097 min
Delta R.T.: -0.005 min
Response: 2782145
Conc: 18.90 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.538 min
Delta R.T.: -0.005 min
Response: 2788070
Conc: 18.67 ug/ml



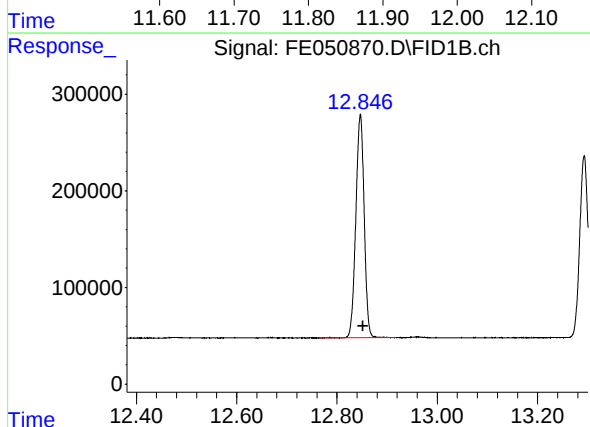
#9 ortho-Terphenyl (SURR)

R.T.: 11.858 min
Delta R.T.: -0.005 min
Response: 2923825
Conc: 18.55 ug/ml

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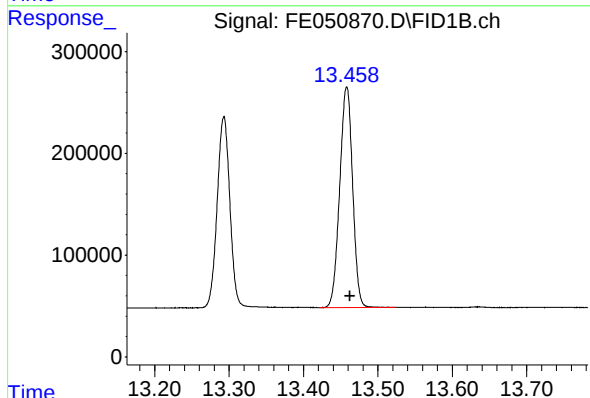
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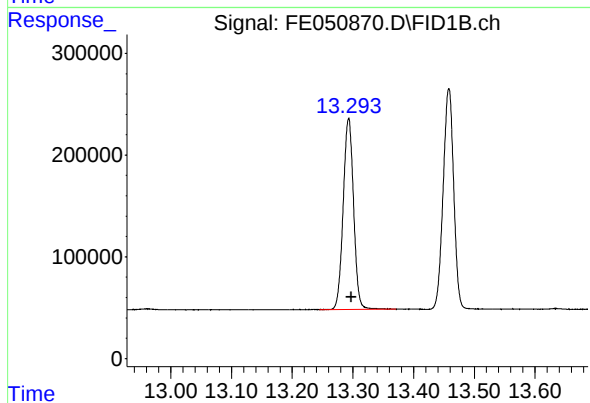
#10 n-Eicosane (C20)

R.T.: 12.847 min
Delta R.T.: -0.005 min
Response: 2674193
Conc: 18.65 ug/ml



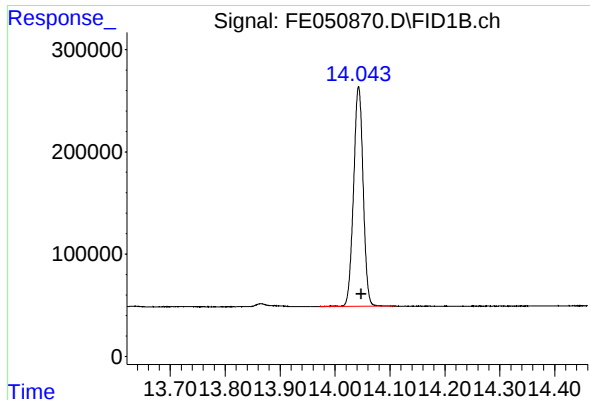
#11 n-Heneicosane (C21)

R.T.: 13.458 min
Delta R.T.: -0.005 min
Response: 2617615
Conc: 18.64 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.293 min
Delta R.T.: -0.005 min
Response: 2233698
Conc: 18.88 ug/ml



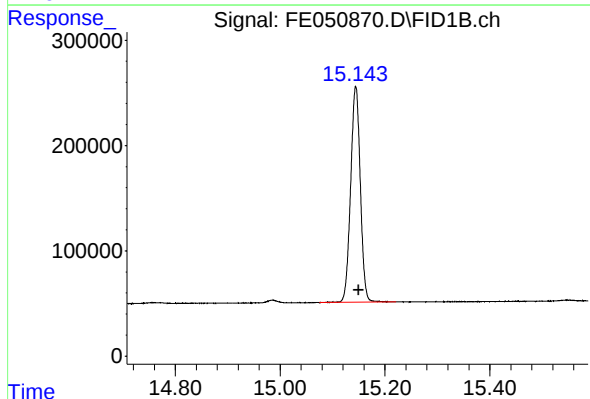
#13 n-Docosane (C22)

R.T.: 14.043 min
Delta R.T.: -0.005 min
Response: 2610401
Conc: 18.61 ug/ml

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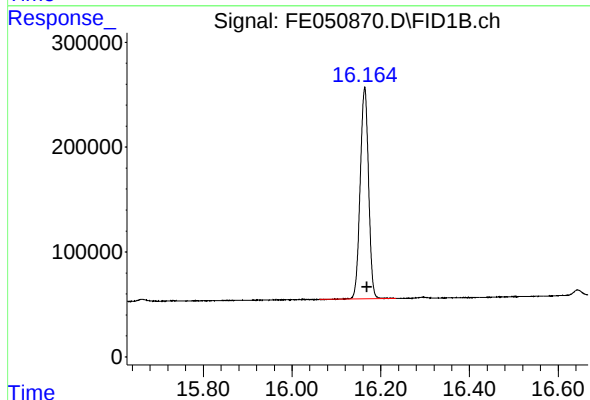
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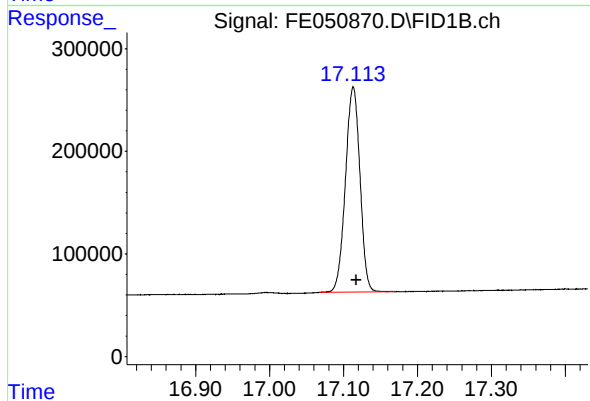
#14 n-Tetracosane (C24)

R.T.: 15.144 min
Delta R.T.: -0.006 min
Response: 2627219
Conc: 18.60 ug/ml



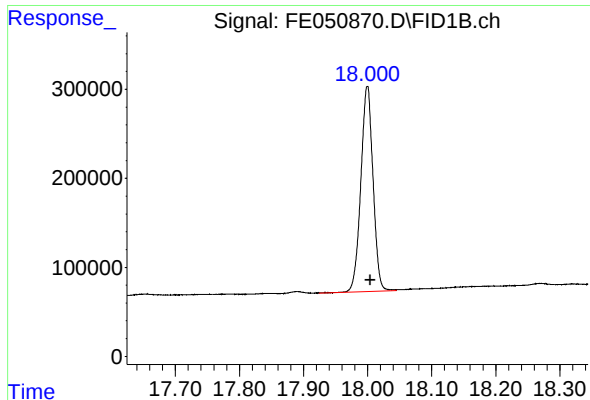
#15 n-Hexacosane (C26)

R.T.: 16.164 min
Delta R.T.: -0.006 min
Response: 2634480
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.113 min
Delta R.T.: -0.005 min
Response: 2730921
Conc: 18.66 ug/ml m



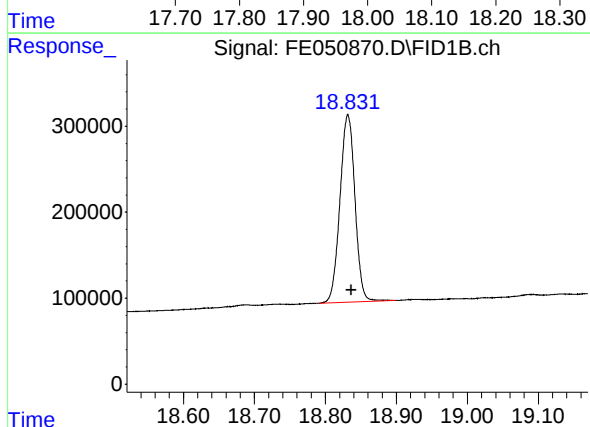
#17 n-Tricontane (C30)

R.T.: 17.999 min
Delta R.T.: -0.005 min
Response: 3057297
Conc: 19.23 ug/ml

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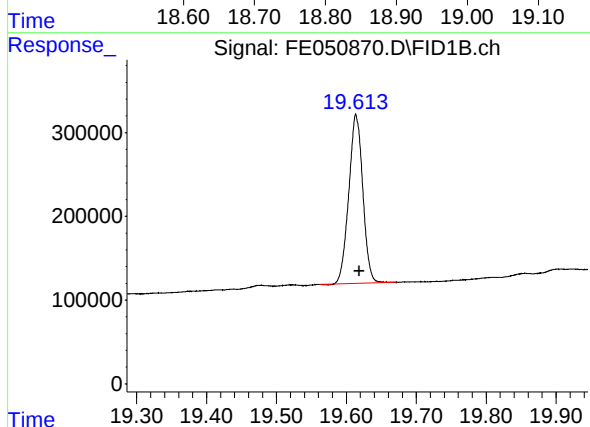
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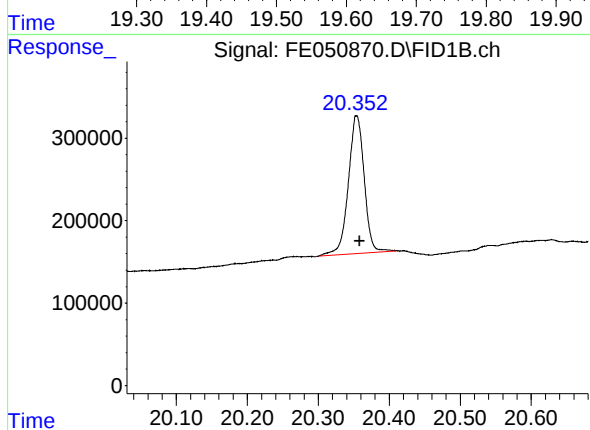
#18 n-Dotriacontane (C32)

R.T.: 18.832 min
Delta R.T.: -0.005 min
Response: 3204050
Conc: 19.76 ug/ml



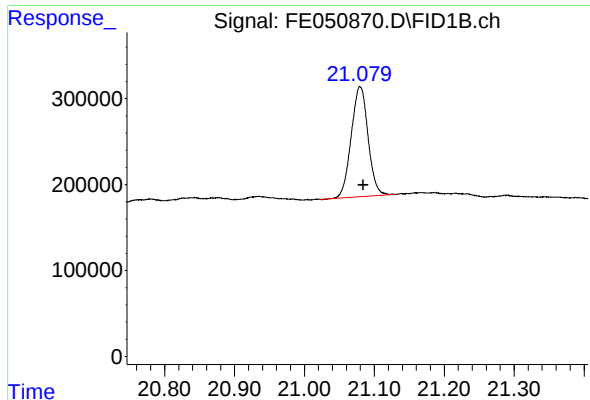
#19 n-Tetratriacontane (C34)

R.T.: 19.614 min
Delta R.T.: -0.005 min
Response: 2810528
Conc: 19.13 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.354 min
Delta R.T.: -0.004 min
Response: 2601736
Conc: 20.52 ug/ml



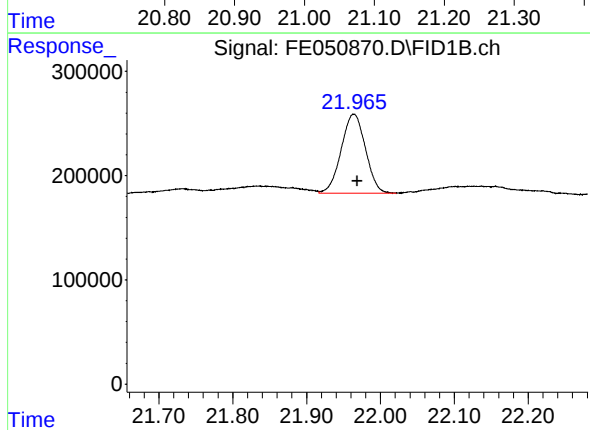
#21 n-Octatriacontane (C38)

R.T.: 21.080 min
Delta R.T.: -0.004 min
Response: 2133164
Conc: 17.25 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.965 min
Delta R.T.: -0.004 min
Response: 1734865
Conc: 15.58 ug/ml m