

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE090524AL\
 Data File : FE049926.D
 Signal(s) : FID1B.ch
 Acq On : 05 Sep 2024 08:00
 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 09/06/2024
 Supervised By :Ankita Jodhani 09/06/2024

Integration File: autoint1.e
 Quant Time: Sep 06 01:30:09 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 081424.M
 Quant Title : GC Extractables
 QLast Update : Wed Aug 14 11:05:17 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)	11.877	2847121	17.606 ug/ml
Spiked Amount 50.000		Recovery =	35.21%
12) S 1-chlorooctadecane (S...	13.312	2188793	17.940 ug/ml
Spiked Amount 50.000		Recovery =	35.88%
Target Compounds			
1) T n-Nonane (C9)	3.267	2553655	16.501 ug/ml
2) T n-Decane (C10)	4.517	2695389	17.071 ug/ml
3) T A~Naphthalene (C11.7)	6.225	2726282	16.991 ug/ml
4) T n-Dodecane (C12)	6.684	2738928	17.422 ug/ml
5) T A~2-methylnaphthalene...	7.321	2605178	17.396 ug/ml
6) T n-Tetradecane (C14)	8.511	2685798	17.397 ug/ml
7) T n-Hexadecane (C16)	10.118	2768112	17.724 ug/ml
8) T n-Octadecane (C18)	11.559	2793809	17.789 ug/ml
10) T n-Eicosane (C20)	12.866	2677225	17.931 ug/ml
11) T n-Heneicosane (C21)	13.477	2625547	17.898 ug/ml
13) T n-Docosane (C22)	14.062	2643475	18.137 ug/mlm
14) T n-Tetracosane (C24)	15.164	2712246	18.645 ug/ml
15) T n-Hexacosane (C26)	16.183	2702144	18.723 ug/ml
16) T n-Octacosane (C28)	17.132	2837181	19.697 ug/ml
17) T n-Tricontane (C30)	18.018	3134492	20.938 ug/ml
18) T n-Dotriacontane (C32)	18.851	3268056	21.602 ug/ml
19) T n-Tetratriacontane (C34)	19.633	3209656	20.995 ug/ml
20) T n-Hexatriacontane (C36)	20.372	2939237	19.356 ug/ml
21) T n-Octatriacontane (C38)	21.098	2901103	18.484 ug/ml
22) T n-Tetracontane (C40)	21.987	2771616	18.153 ug/mlm

(f)=RT Delta > 1/2 Window

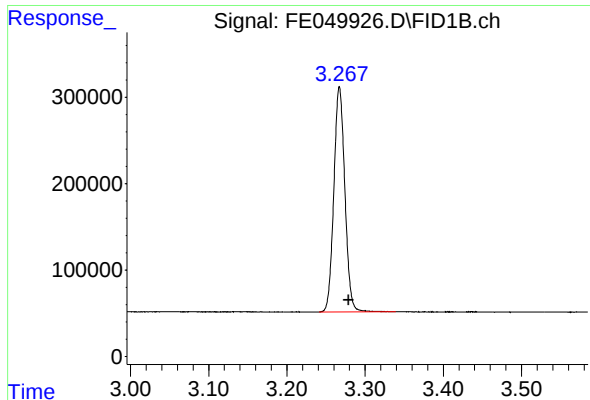
(m)=manual int.

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Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





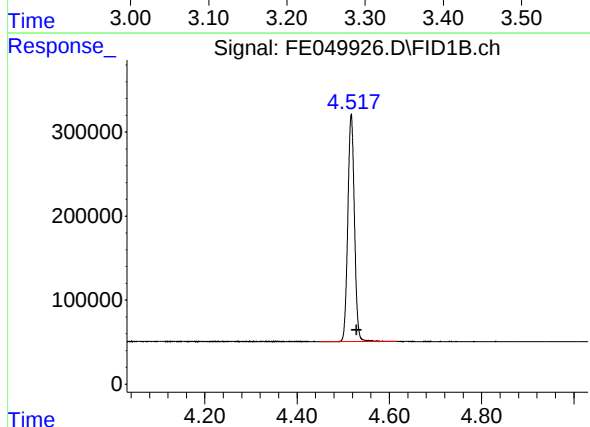
#1 n-Nonane (C9)

R.T.: 3.267 min
Delta R.T.: -0.012 min
Response: 2553655
Conc: 16.50 ug/ml

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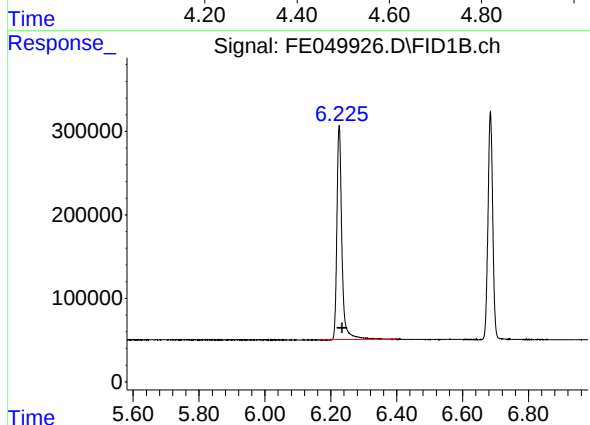
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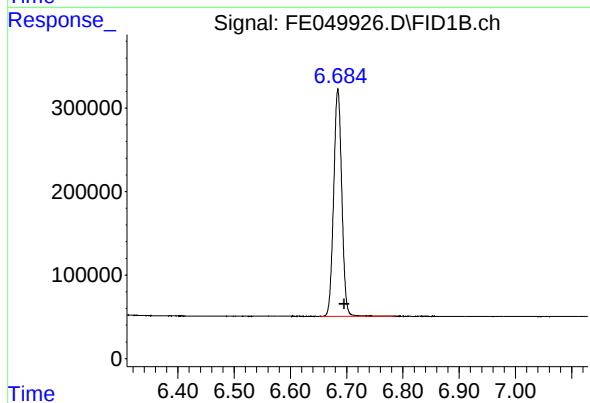
#2 n-Decane (C10)

R.T.: 4.517 min
Delta R.T.: -0.011 min
Response: 2695389
Conc: 17.07 ug/ml



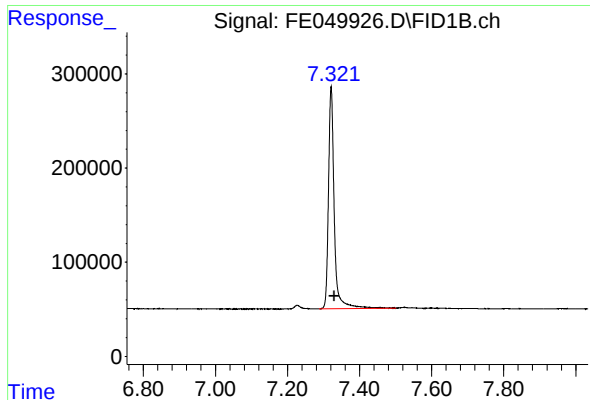
#3 A~Naphthalene (C11.7)

R.T.: 6.225 min
Delta R.T.: -0.010 min
Response: 2726282
Conc: 16.99 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.684 min
Delta R.T.: -0.011 min
Response: 2738928
Conc: 17.42 ug/ml



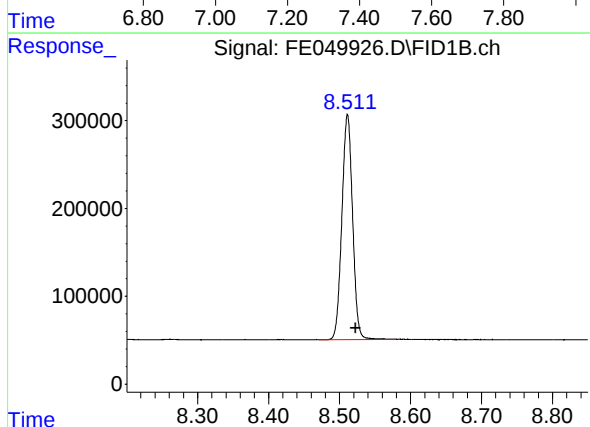
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.321 min
Delta R.T.: -0.010 min
Response: 2605178
Conc: 17.40 ug/ml

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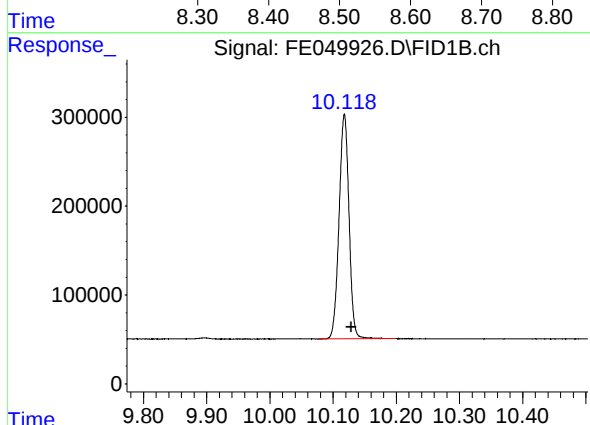
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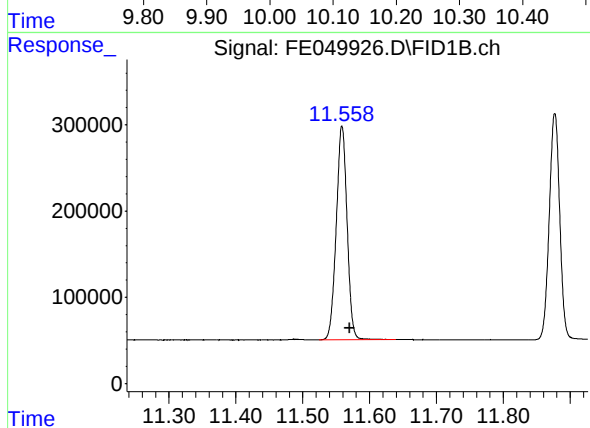
#6 n-Tetradecane (C14)

R.T.: 8.511 min
Delta R.T.: -0.011 min
Response: 2685798
Conc: 17.40 ug/ml



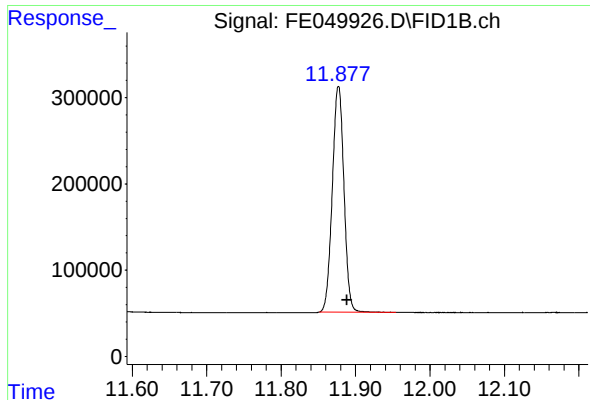
#7 n-Hexadecane (C16)

R.T.: 10.118 min
Delta R.T.: -0.011 min
Response: 2768112
Conc: 17.72 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.559 min
Delta R.T.: -0.012 min
Response: 2793809
Conc: 17.79 ug/ml



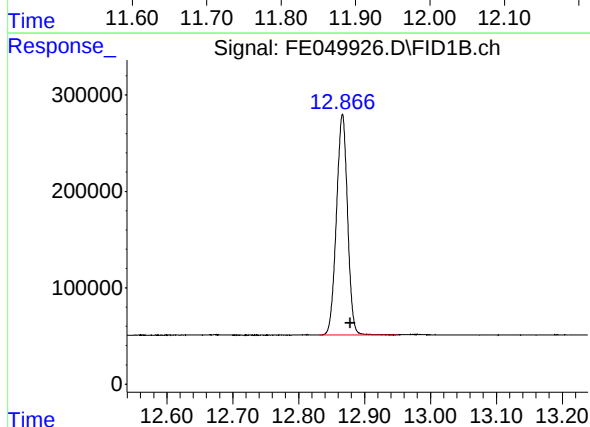
#9 ortho-Terphenyl (SURR)

R.T.: 11.877 min
Delta R.T.: -0.011 min
Response: 2847121
Conc: 17.61 ug/ml

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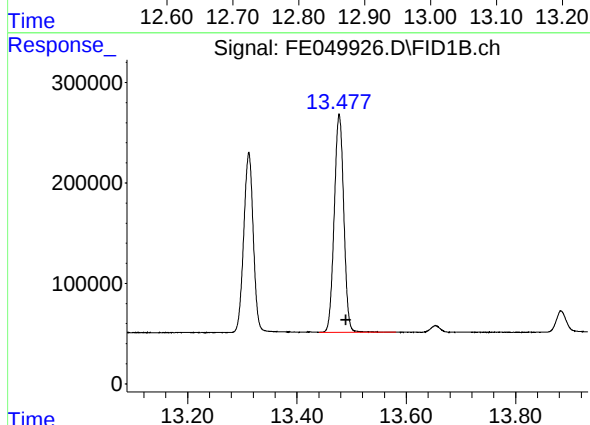
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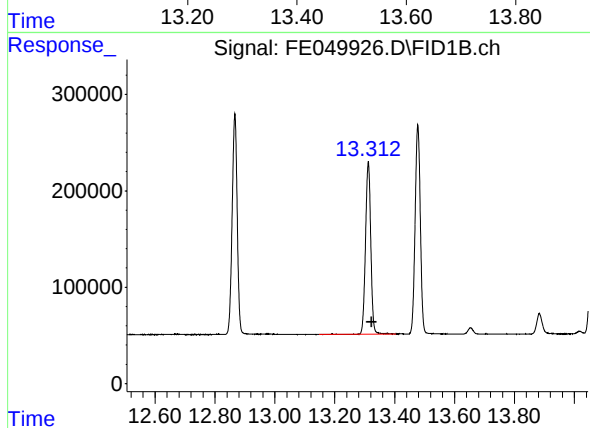
#10 n-Eicosane (C20)

R.T.: 12.866 min
Delta R.T.: -0.012 min
Response: 2677225
Conc: 17.93 ug/ml



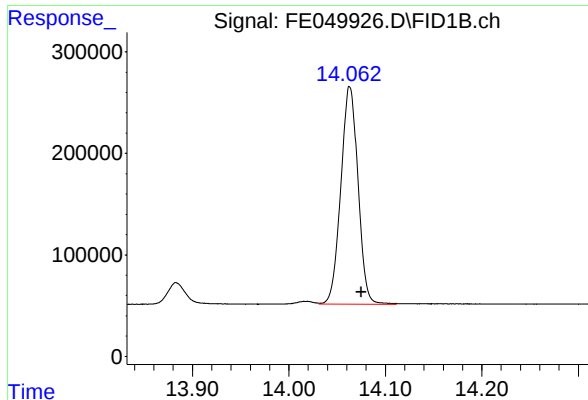
#11 n-Heneicosane (C21)

R.T.: 13.477 min
Delta R.T.: -0.013 min
Response: 2625547
Conc: 17.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.312 min
Delta R.T.: -0.012 min
Response: 2188793
Conc: 17.94 ug/ml



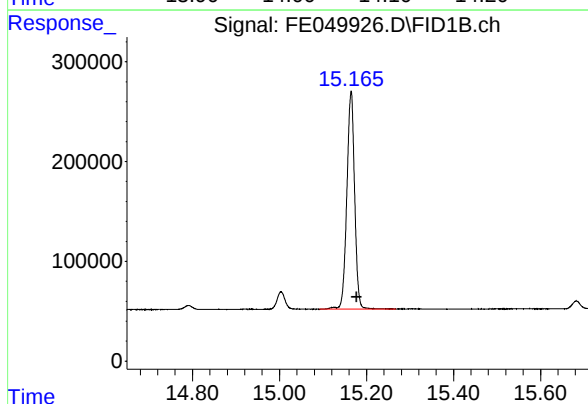
#13 n-Docosane (C22)

R.T.: 14.062 min
Delta R.T.: -0.013 min
Response: 2643475
Conc: 18.14 ug/ml

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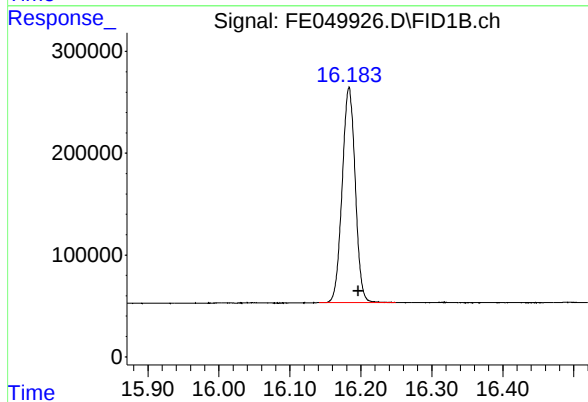
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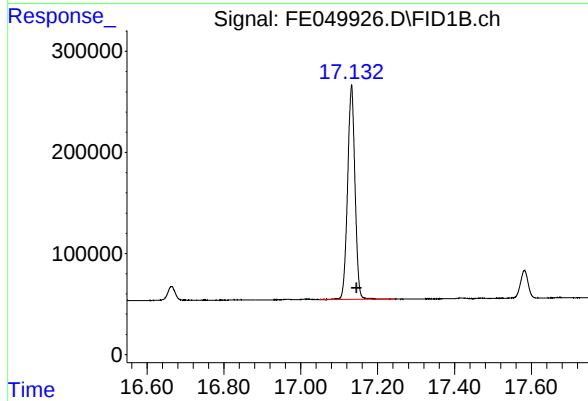
#14 n-Tetracosane (C24)

R.T.: 15.164 min
Delta R.T.: -0.012 min
Response: 2712246
Conc: 18.65 ug/ml



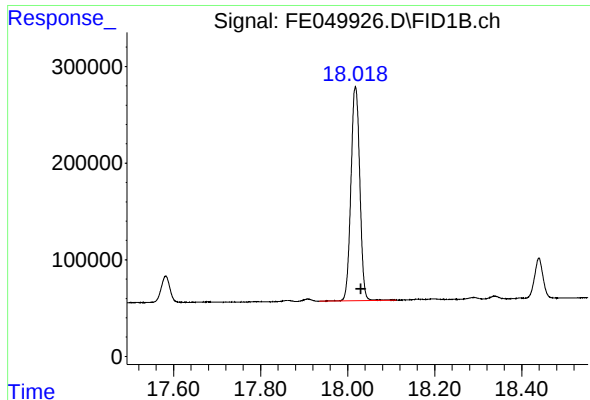
#15 n-Hexacosane (C26)

R.T.: 16.183 min
Delta R.T.: -0.013 min
Response: 2702144
Conc: 18.72 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.132 min
Delta R.T.: -0.013 min
Response: 2837181
Conc: 19.70 ug/ml



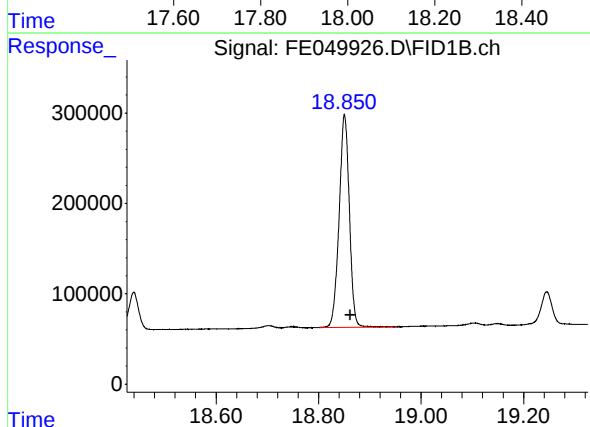
#17 n-Tricontane (C30)

R.T.: 18.018 min
Delta R.T.: -0.013 min
Response: 3134492
Conc: 20.94 ug/ml

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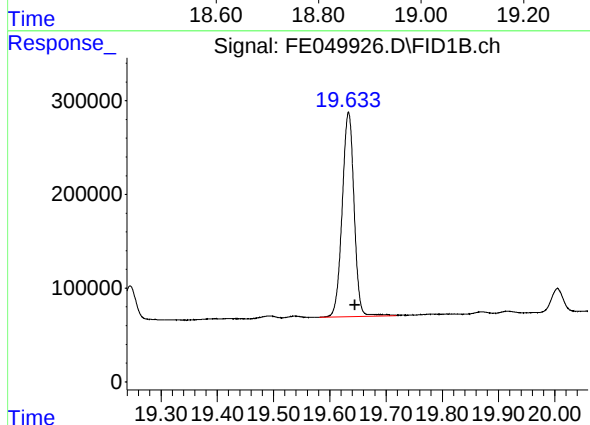
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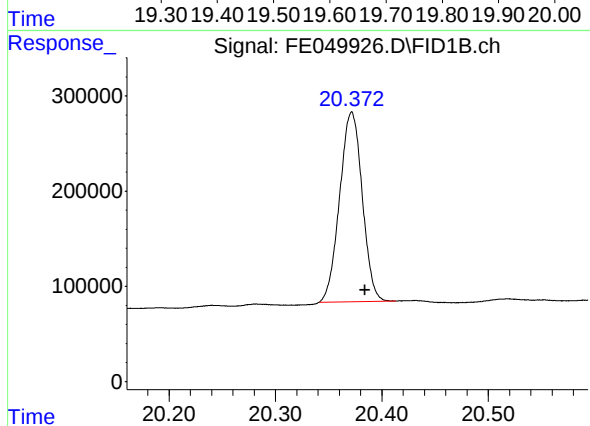
#18 n-Dotriacontane (C32)

R.T.: 18.851 min
Delta R.T.: -0.012 min
Response: 3268056
Conc: 21.60 ug/ml



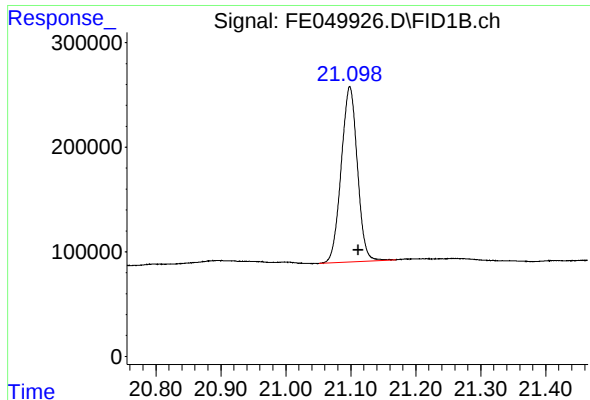
#19 n-Tetratriacontane (C34)

R.T.: 19.633 min
Delta R.T.: -0.011 min
Response: 3209656
Conc: 20.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.372 min
Delta R.T.: -0.012 min
Response: 2939237
Conc: 19.36 ug/ml



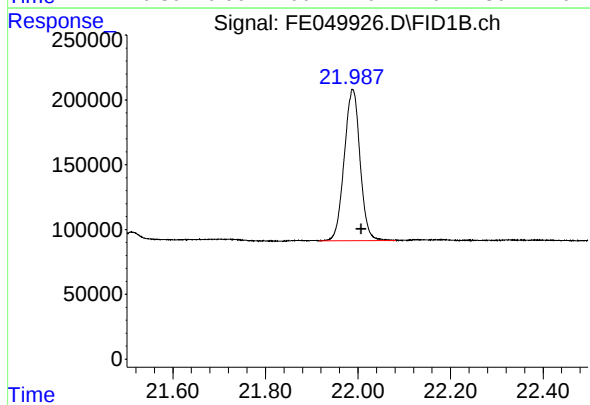
#21 n-Octatriacontane (C38)

R.T.: 21.098 min
Delta R.T.: -0.013 min
Response: 2901103
Conc: 18.48 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.987 min
Delta R.T.: -0.020 min
Response: 2771616
Conc: 18.15 ug/ml m