

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE061623AL\
 Data File : FE042681.D
 Signal(s) : FID1B.ch
 Acq On : 17 Jun 2023 02:53
 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 06/19/2023
 Supervised By :Ankita Jodhani 06/19/2023

Integration File: autoint1.e
 Quant Time: Jun 17 03:18:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 051823.M
 Quant Title : GC Extractables
 QLast Update : Thu May 18 06:27:12 2023
 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)	11.941	3484423	19.733 ug/ml
Spiked Amount 50.000		Recovery =	39.47%
12) S 1-chlorooctadecane (S...	13.377	2598812	19.558 ug/ml
Spiked Amount 50.000		Recovery =	39.12%
Target Compounds			
1) T n-Nonane (C9)	3.318	2876559	19.949 ug/ml
2) T n-Decane (C10)	4.570	2927122	19.773 ug/ml
3) T A~Naphthalene (C11.7)	6.280	3173725	19.452 ug/ml
4) T n-Dodecane (C12)	6.739	2966316	19.781 ug/ml
5) T A~2-methylnaphthalene...	7.377	3057179	19.264 ug/ml
6) T n-Tetradecane (C14)	8.568	2944890	19.658 ug/ml
7) T n-Hexadecane (C16)	10.177	3055537	19.616 ug/ml
8) T n-Octadecane (C18)	11.621	3101045	19.610 ug/ml
10) T n-Eicosane (C20)	12.931	2991697	19.736 ug/ml
11) T n-Heneicosane (C21)	13.543	2934749	19.809 ug/ml
13) T n-Docosane (C22)	14.130	2903142	19.803 ug/ml
14) T n-Tetracosane (C24)	15.233	2831630	19.616 ug/ml
15) T n-Hexacosane (C26)	16.254	2707826	19.551 ug/ml
16) T n-Octacosane (C28)	17.205	2563355	19.146 ug/ml
17) T n-Tricontane (C30)	18.093	2537379	18.797 ug/ml
18) T n-Dotriacontane (C32)	18.926	2448752	18.330 ug/ml
19) T n-Tetratriacontane (C34)	19.709	2387495	18.154 ug/ml
20) T n-Hexatriacontane (C36)	20.451	2339558	18.000 ug/mlm
21) T n-Octatriacontane (C38)	21.198	2413466	17.789 ug/ml
22) T n-Tetracontane (C40)	22.125	2331320	16.758 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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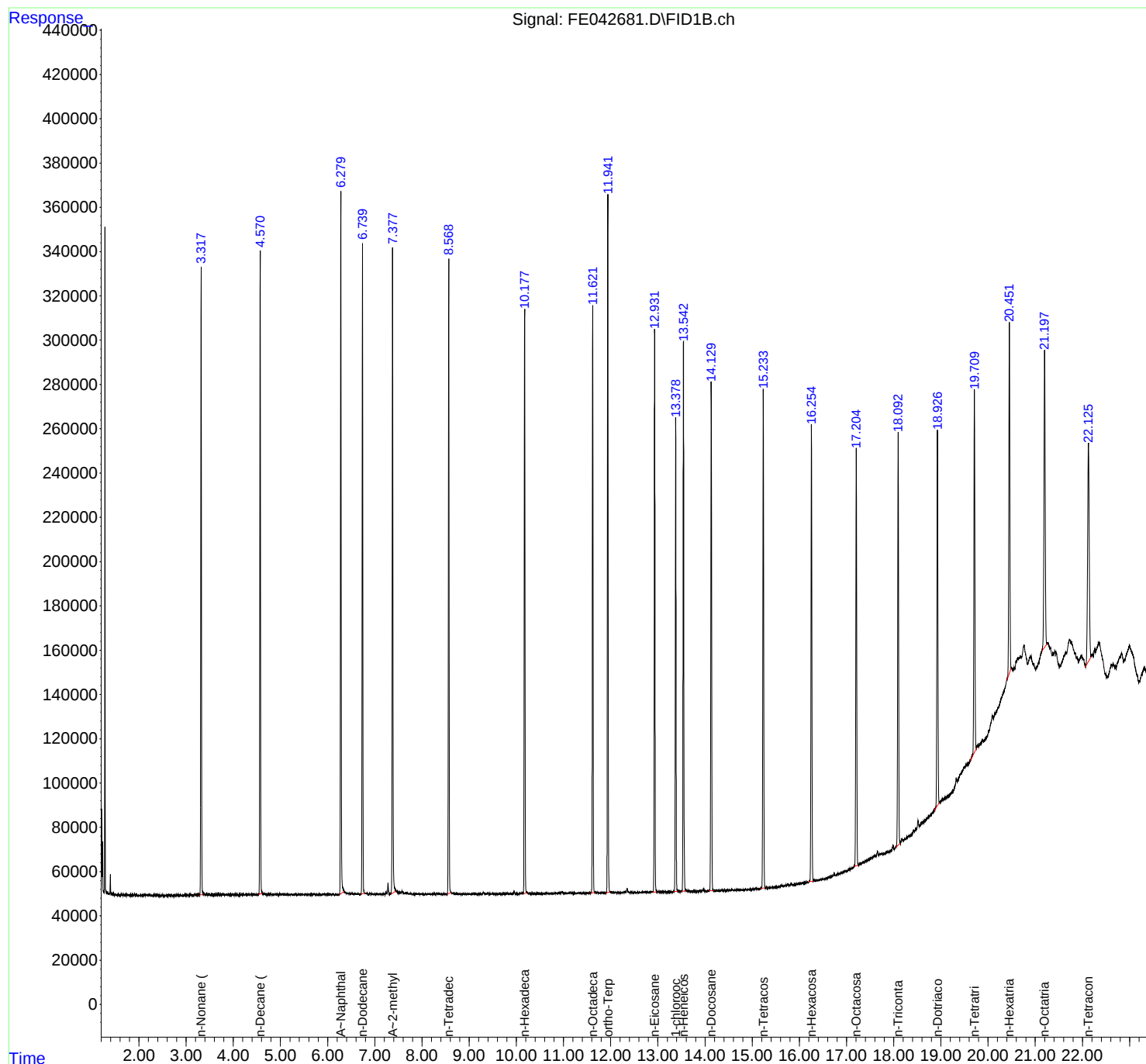
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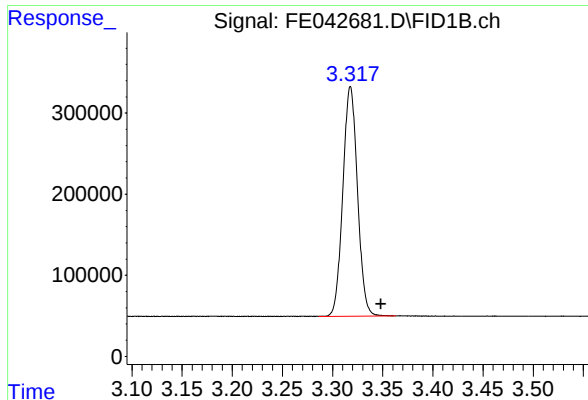
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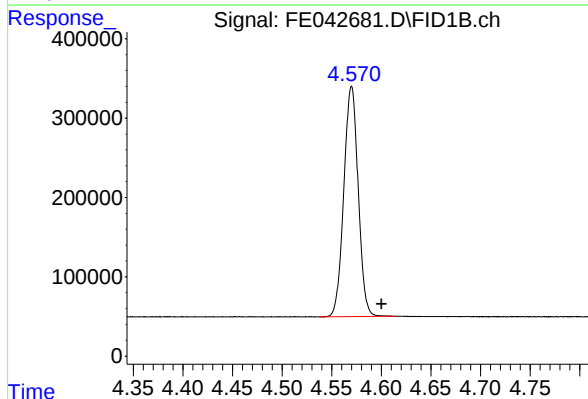
#1 n-Nonane (C9)

R.T.: 3.318 min
Delta R.T.: -0.030 min
Response: 2876559
Conc: 19.95 ug/ml

Instrument :
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20 PPM ALIPHATIC HC STD

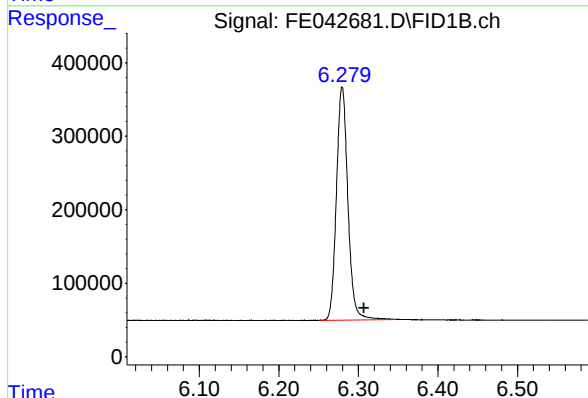
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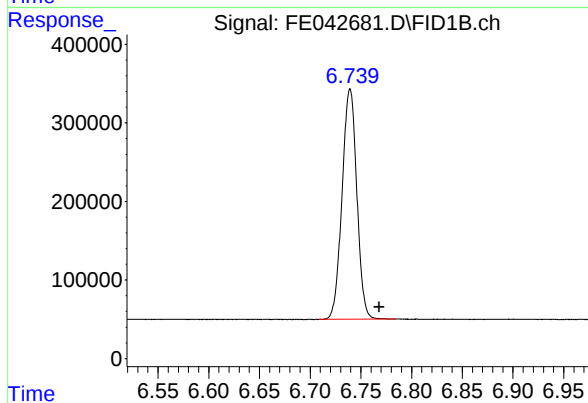
#2 n-Decane (C10)

R.T.: 4.570 min
Delta R.T.: -0.030 min
Response: 2927122
Conc: 19.77 ug/ml



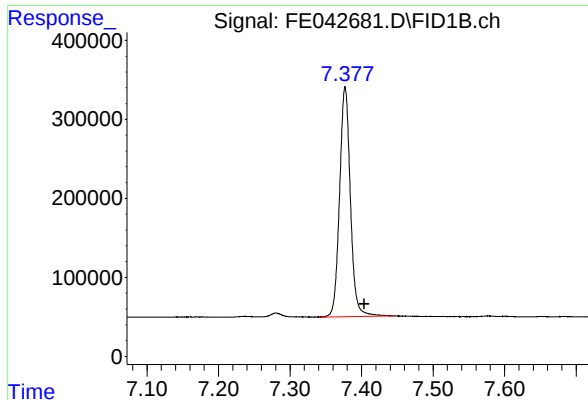
#3 A~Naphthalene (C11.7)

R.T.: 6.280 min
Delta R.T.: -0.027 min
Response: 3173725
Conc: 19.45 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.739 min
Delta R.T.: -0.029 min
Response: 2966316
Conc: 19.78 ug/ml



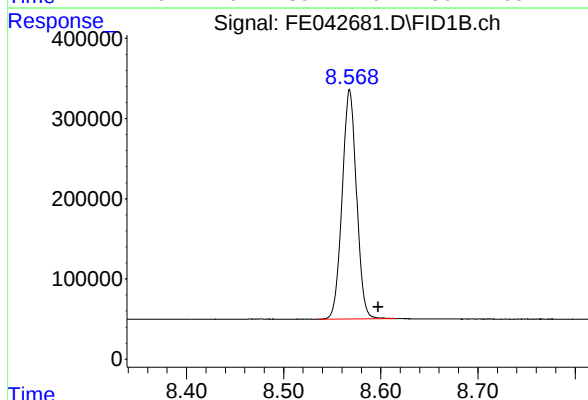
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.377 min
Delta R.T.: -0.027 min
Response: 3057179
Conc: 19.26 ug/ml

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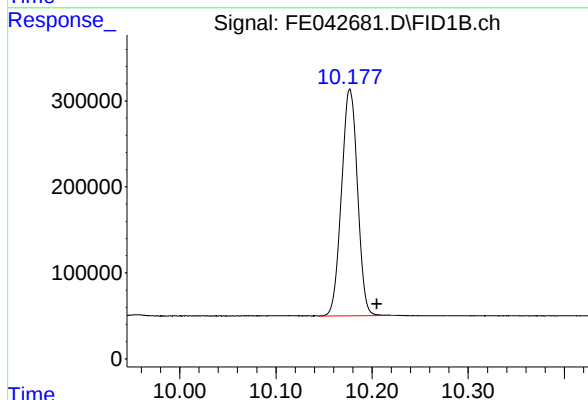
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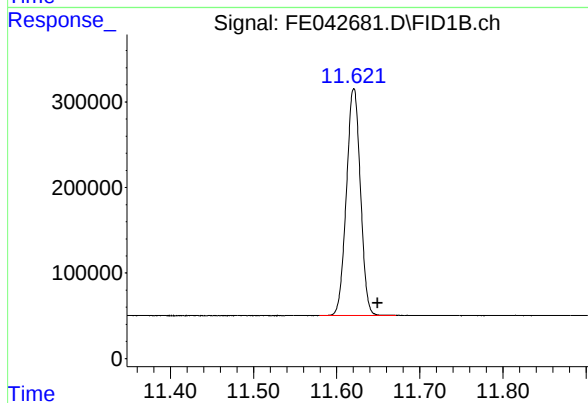
#6 n-Tetradecane (C14)

R.T.: 8.568 min
Delta R.T.: -0.029 min
Response: 2944890
Conc: 19.66 ug/ml



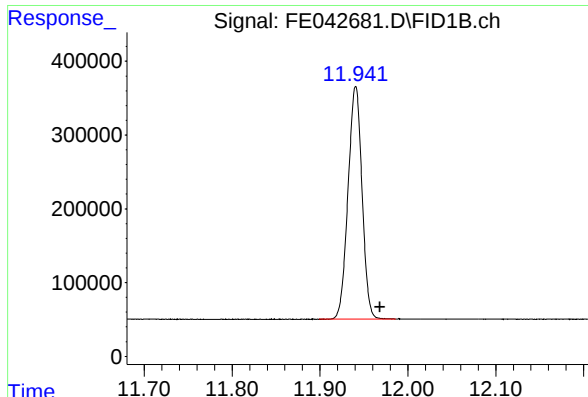
#7 n-Hexadecane (C16)

R.T.: 10.177 min
Delta R.T.: -0.028 min
Response: 3055537
Conc: 19.62 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.621 min
Delta R.T.: -0.029 min
Response: 3101045
Conc: 19.61 ug/ml



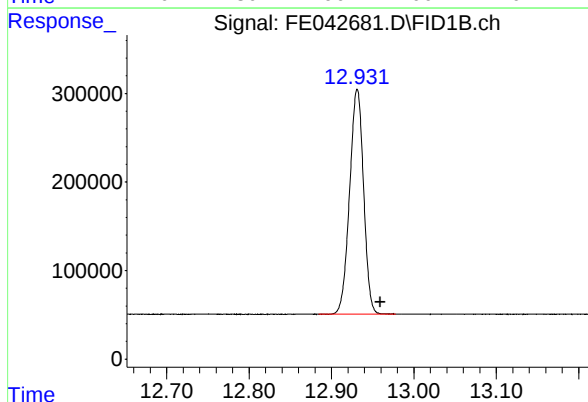
#9 ortho-Terphenyl (SURR)

R.T.: 11.941 min
Delta R.T.: -0.027 min
Response: 3484423
Conc: 19.73 ug/ml

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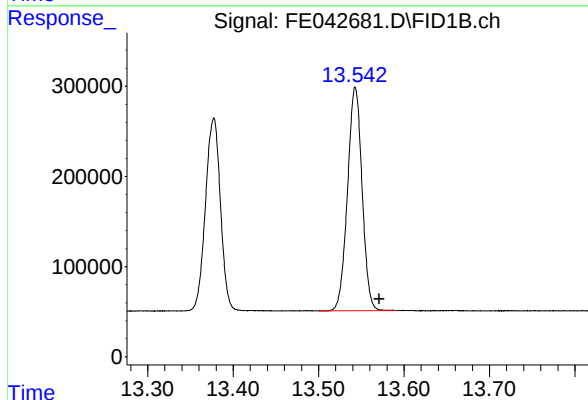
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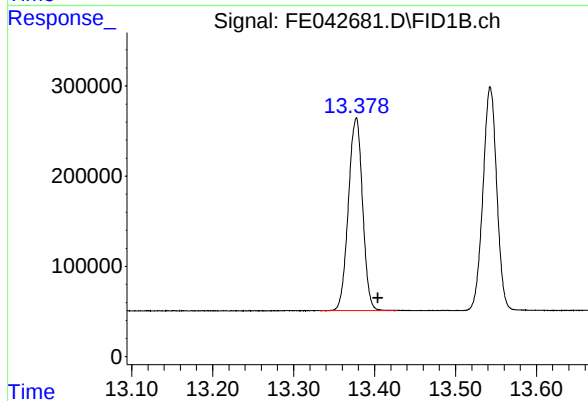
#10 n-Eicosane (C20)

R.T.: 12.931 min
Delta R.T.: -0.028 min
Response: 2991697
Conc: 19.74 ug/ml



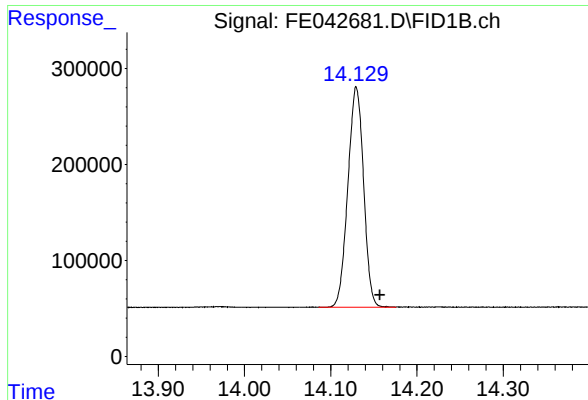
#11 n-Heneicosane (C21)

R.T.: 13.543 min
Delta R.T.: -0.028 min
Response: 2934749
Conc: 19.81 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.377 min
Delta R.T.: -0.027 min
Response: 2598812
Conc: 19.56 ug/ml



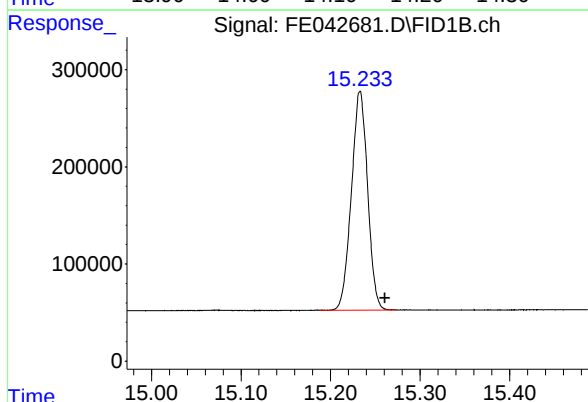
#13 n-Docosane (C22)

R.T.: 14.130 min
Delta R.T.: -0.027 min
Response: 2903142
Conc: 19.80 ug/ml

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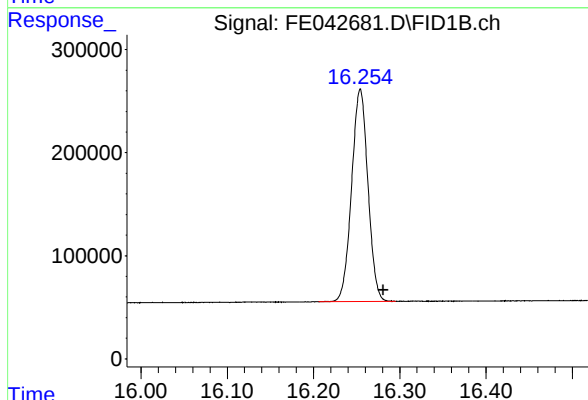
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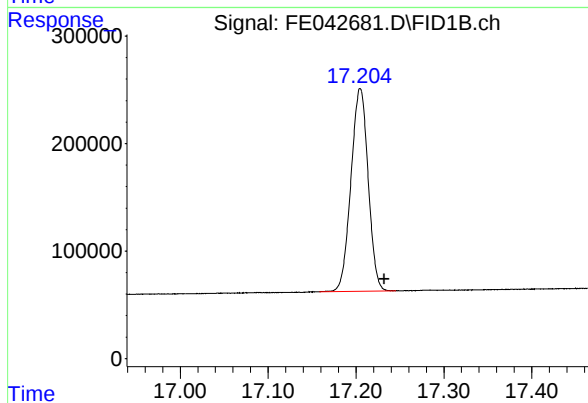
#14 n-Tetracosane (C24)

R.T.: 15.233 min
Delta R.T.: -0.028 min
Response: 2831630
Conc: 19.62 ug/ml



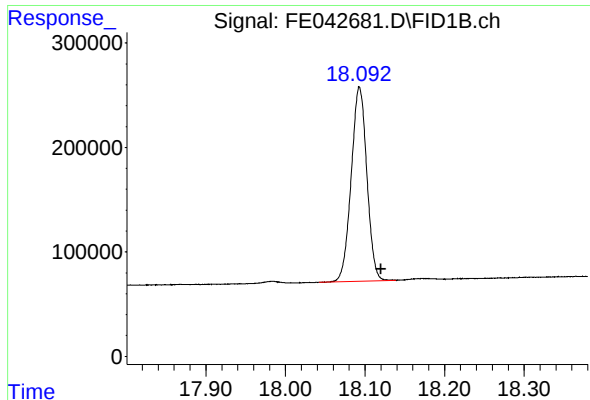
#15 n-Hexacosane (C26)

R.T.: 16.254 min
Delta R.T.: -0.027 min
Response: 2707826
Conc: 19.55 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.205 min
Delta R.T.: -0.027 min
Response: 2563355
Conc: 19.15 ug/ml



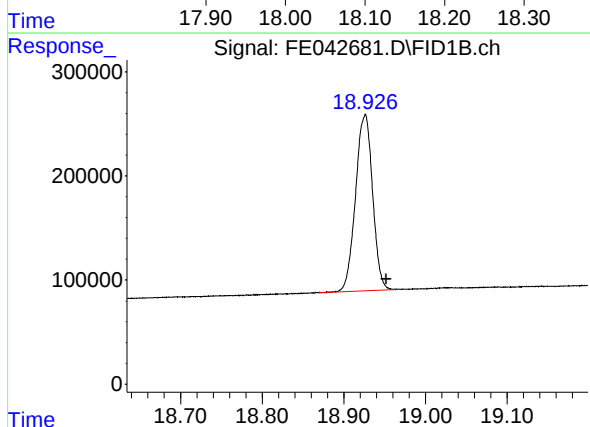
#17 n-Tricontane (C30)

R.T.: 18.093 min
Delta R.T.: -0.027 min
Response: 2537379
Conc: 18.80 ug/ml

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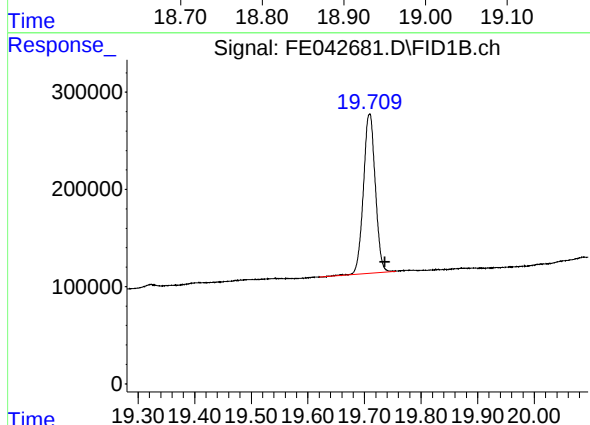
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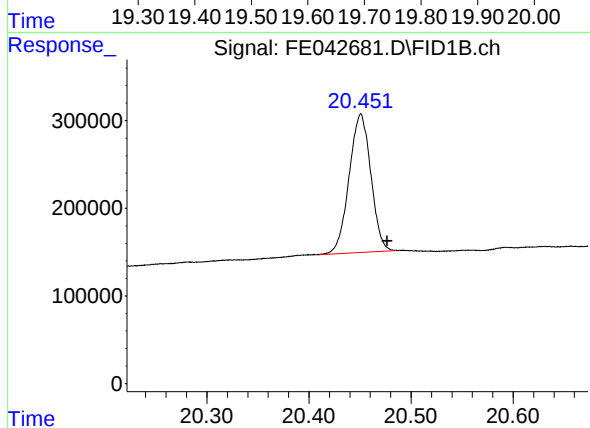
#18 n-Dotriacontane (C32)

R.T.: 18.926 min
Delta R.T.: -0.026 min
Response: 2448752
Conc: 18.33 ug/ml



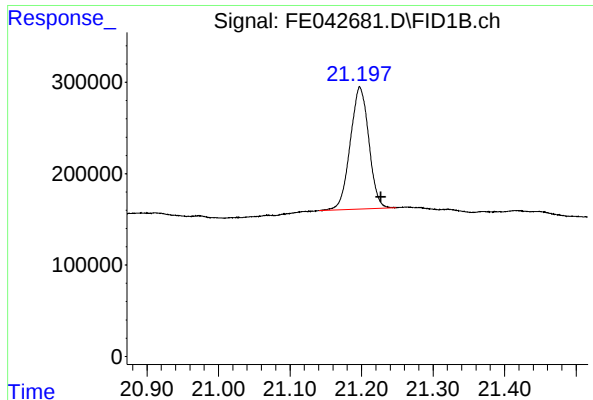
#19 n-Tetatriacontane (C34)

R.T.: 19.709 min
Delta R.T.: -0.027 min
Response: 2387495
Conc: 18.15 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.451 min
Delta R.T.: -0.026 min
Response: 2339558
Conc: 18.00 ug/ml m



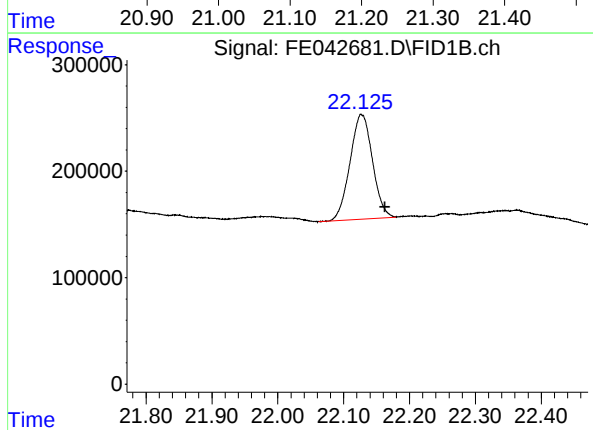
#21 n-Octatriacontane (C38)

R.T.: 21.198 min
Delta R.T.: -0.030 min
Response: 2413466
Conc: 17.79 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.125 min
Delta R.T.: -0.038 min
Response: 2331320
Conc: 16.76 ug/ml m