

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE121824AL\
 Data File : FE051688.D
 Signal(s) : FID1B.ch
 Acq On : 18 Dec 2024 18:59
 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 12/19/2024
 Supervised By :Ankita Jodhani 12/19/2024

Integration File: autoint1.e
 Quant Time: Dec 19 01:12:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 121724.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 17 15:04:25 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)	12.006	3238942	20.175 ug/ml
Spiked Amount 50.000		Recovery =	40.35%
12) S 1-chlorooctadecane (S...	13.426	2515023	19.937 ug/ml
Spiked Amount 50.000		Recovery =	39.87%
Target Compounds			
1) T n-Nonane (C9)	3.485	2448111	20.431 ug/ml
2) T n-Decane (C10)	4.716	2534673	20.386 ug/ml
3) T A~Naphthalene (C11.7)	6.401	2895154	20.317 ug/ml
4) T n-Dodecane (C12)	6.849	2641155	20.298 ug/ml
5) T A~2-methylnaphthalene...	7.482	2872528	20.298 ug/ml
6) T n-Tetradecane (C14)	8.659	2703145	20.161 ug/ml
7) T n-Hexadecane (C16)	10.252	2873645	20.108 ug/ml
8) T n-Octadecane (C18)	11.684	2974847	20.180 ug/ml
10) T n-Eicosane (C20)	12.983	2901144	20.166 ug/ml
11) T n-Heneicosane (C21)	13.591	2860186	20.127 ug/ml
13) T n-Docosane (C22)	14.173	2853741	20.242 ug/ml
14) T n-Tetracosane (C24)	15.266	2850773	20.432 ug/ml
15) T n-Hexacosane (C26)	16.279	2765711	20.527 ug/ml
16) T n-Octacosane (C28)	17.221	2681361	20.612 ug/ml
17) T n-Tricontane (C30)	18.102	2694174	20.357 ug/ml
18) T n-Dotriacontane (C32)	18.927	2593206	20.685 ug/ml
19) T n-Tetratriacontane (C34)	19.704	2255078	20.497 ug/ml
20) T n-Hexatriacontane (C36)	20.437	1923024	20.029 ug/ml
21) T n-Octatriacontane (C38)	21.171	1868475	20.750 ug/ml
22) T n-Tetracontane (C40)	22.089	2039635	20.897 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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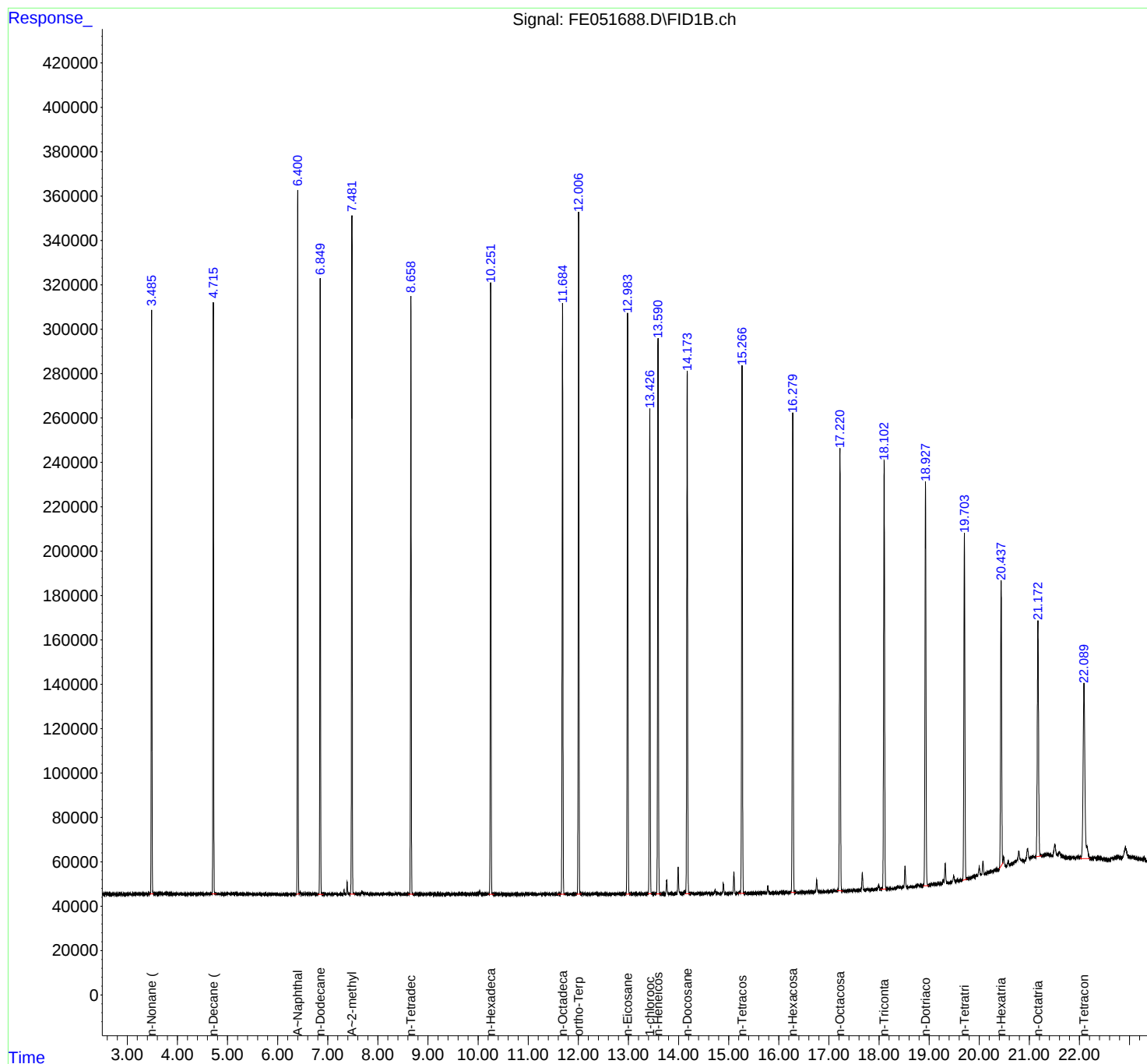
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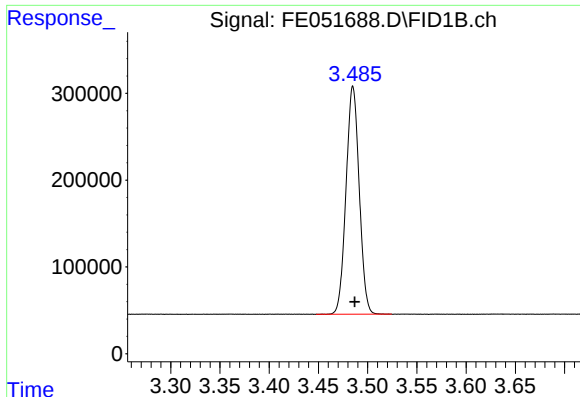
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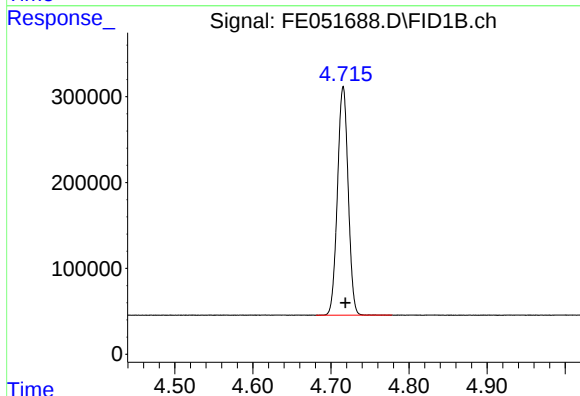
#1 n-Nonane (C9)

R.T.: 3.485 min
Delta R.T.: -0.002 min
Response: 2448111
Conc: 20.43 ug/ml

Instrument :
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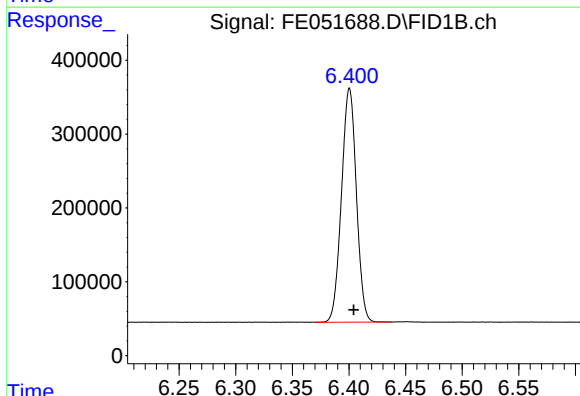
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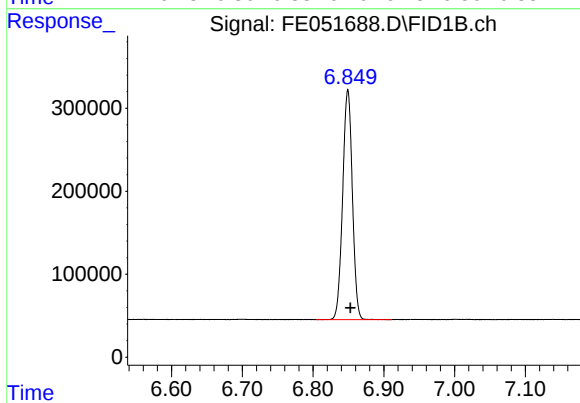
#2 n-Decane (C10)

R.T.: 4.716 min
Delta R.T.: -0.003 min
Response: 2534673
Conc: 20.39 ug/ml



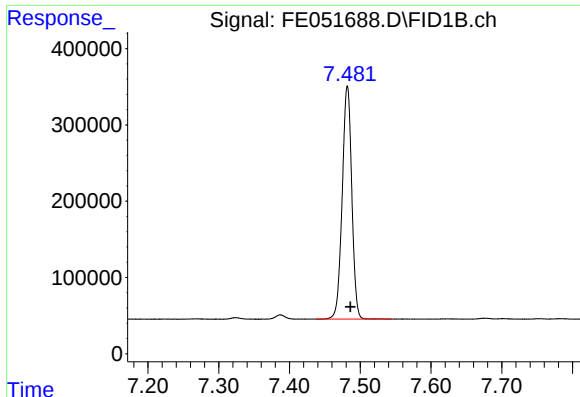
#3 A~Naphthalene (C11.7)

R.T.: 6.401 min
Delta R.T.: -0.004 min
Response: 2895154
Conc: 20.32 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.849 min
Delta R.T.: -0.004 min
Response: 2641155
Conc: 20.30 ug/ml



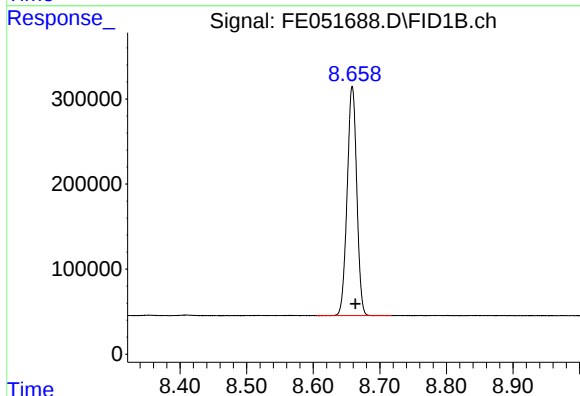
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.482 min
Delta R.T.: -0.005 min
Response: 2872528
Conc: 20.30 ug/ml

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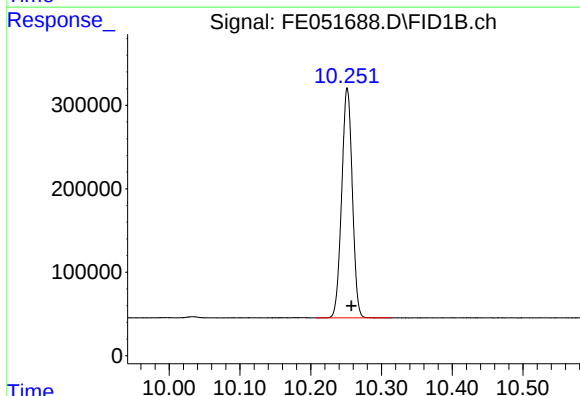
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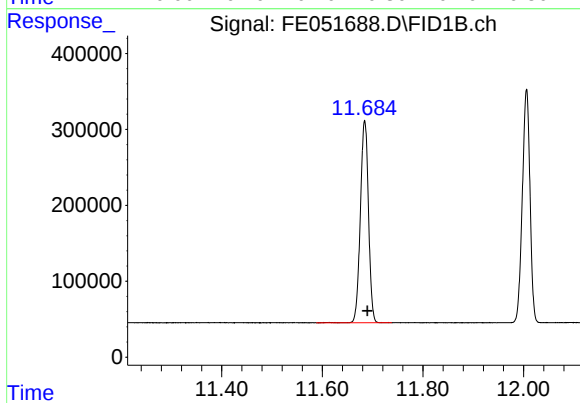
#6 n-Tetradecane (C14)

R.T.: 8.659 min
Delta R.T.: -0.005 min
Response: 2703145
Conc: 20.16 ug/ml



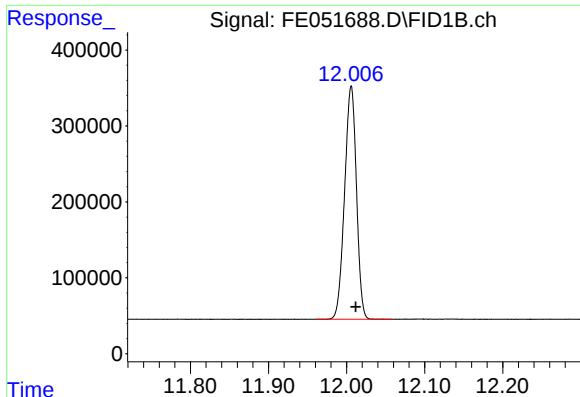
#7 n-Hexadecane (C16)

R.T.: 10.252 min
Delta R.T.: -0.006 min
Response: 2873645
Conc: 20.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.684 min
Delta R.T.: -0.006 min
Response: 2974847
Conc: 20.18 ug/ml



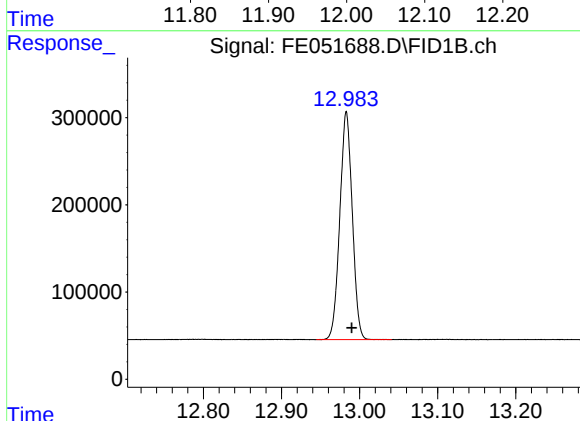
#9 ortho-Terphenyl (SURR)

R.T.: 12.006 min
Delta R.T.: -0.006 min
Response: 3238942
Conc: 20.17 ug/ml

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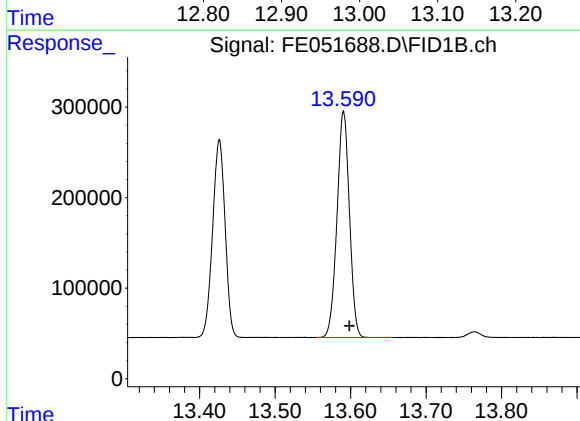
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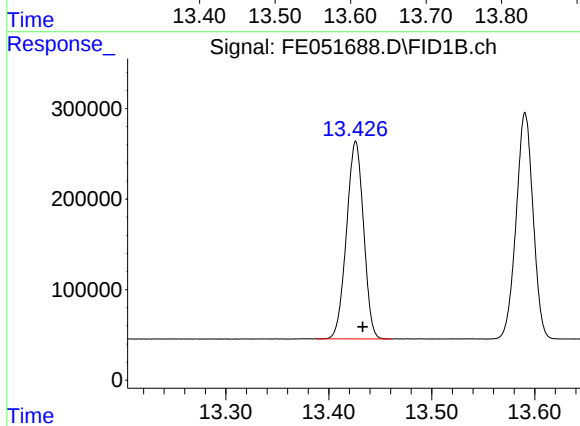
#10 n-Eicosane (C20)

R.T.: 12.983 min
Delta R.T.: -0.007 min
Response: 2901144
Conc: 20.17 ug/ml



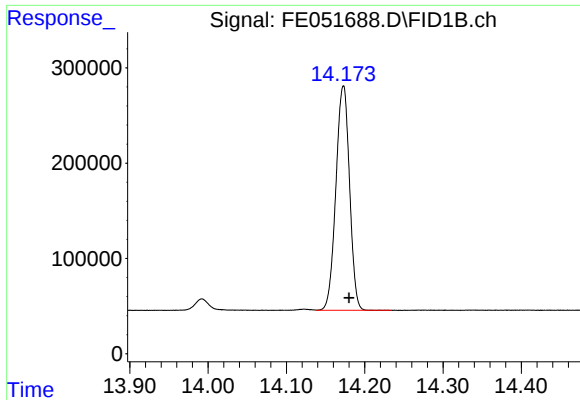
#11 n-Heneicosane (C21)

R.T.: 13.591 min
Delta R.T.: -0.008 min
Response: 2860186
Conc: 20.13 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.426 min
Delta R.T.: -0.007 min
Response: 2515023
Conc: 19.94 ug/ml



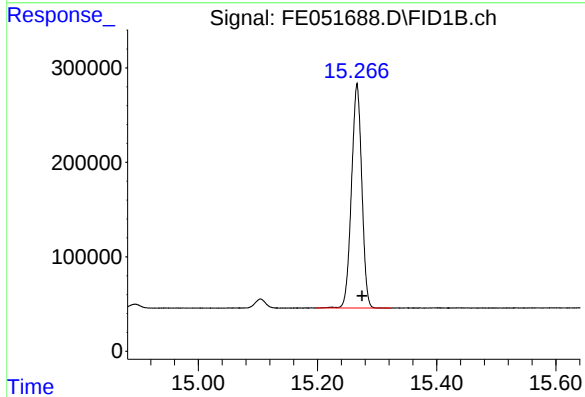
#13 n-Docosane (C22)

R.T.: 14.173 min
Delta R.T.: -0.008 min
Response: 2853741
Conc: 20.24 ug/ml

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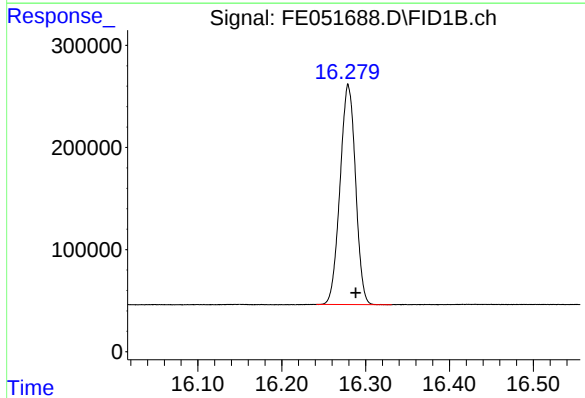
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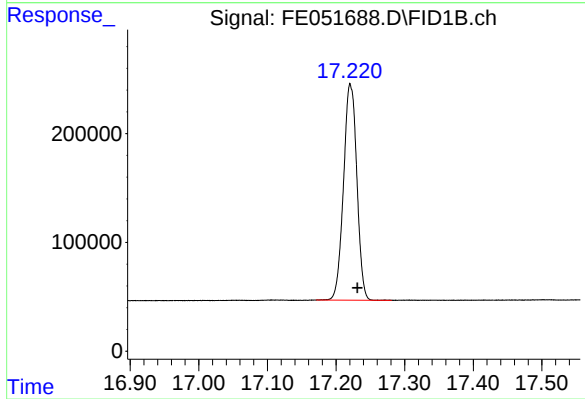
#14 n-Tetracosane (C24)

R.T.: 15.266 min
Delta R.T.: -0.008 min
Response: 2850773
Conc: 20.43 ug/ml



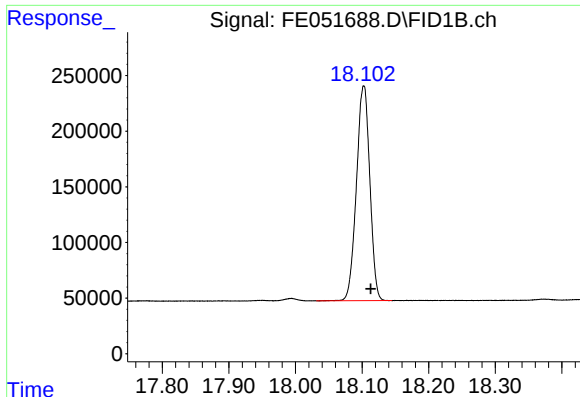
#15 n-Hexacosane (C26)

R.T.: 16.279 min
Delta R.T.: -0.009 min
Response: 2765711
Conc: 20.53 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.221 min
Delta R.T.: -0.010 min
Response: 2681361
Conc: 20.61 ug/ml



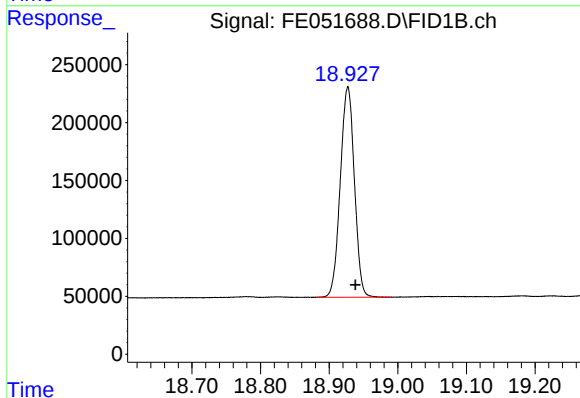
#17 n-Tricontane (C30)

R.T.: 18.102 min
Delta R.T.: -0.011 min
Response: 2694174
Conc: 20.36 ug/ml

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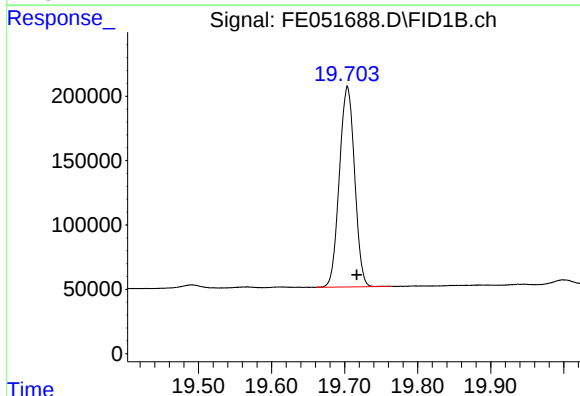
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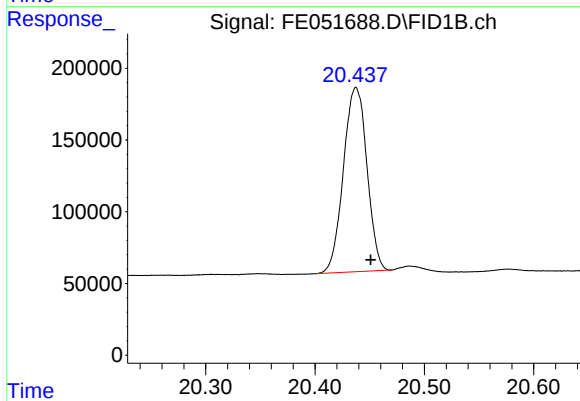
#18 n-Dotriacontane (C32)

R.T.: 18.927 min
Delta R.T.: -0.011 min
Response: 2593206
Conc: 20.69 ug/ml



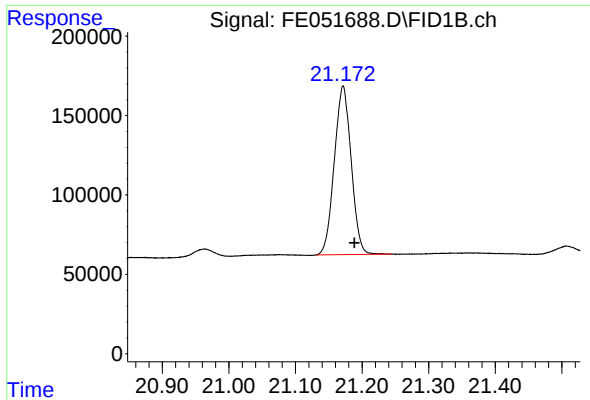
#19 n-Tetratriacontane (C34)

R.T.: 19.704 min
Delta R.T.: -0.013 min
Response: 2255078
Conc: 20.50 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.437 min
Delta R.T.: -0.013 min
Response: 1923024
Conc: 20.03 ug/ml



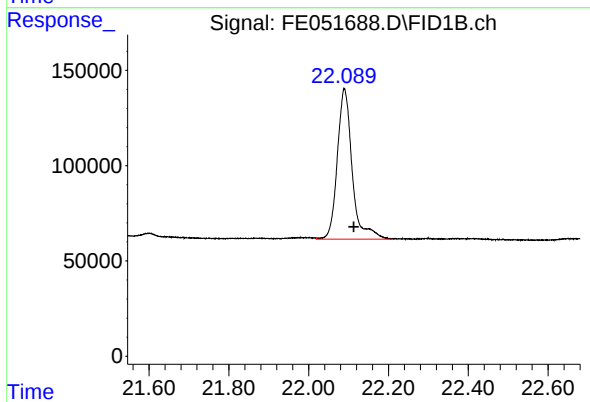
#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: -0.017 min
Response: 1868475
Conc: 20.75 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.089 min
Delta R.T.: -0.024 min
Response: 2039635
Conc: 20.90 ug/ml m