

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012425AL\
 Data File : FC068123.D
 Signal(s) : FID1A.ch
 Acq On : 24 Jan 2025 21:33
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/27/2025
 Supervised By :Ankita Jodhani 01/27/2025

Integration File: autoint1.e
 Quant Time: Jan 25 04:34:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 012425.M
 Quant Title : GC Extractables
 QLast Update : Sat Jan 25 04:31:18 2025
 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)	11.427	3178977	20.343 ug/ml
Spiked Amount 50.000		Recovery =	40.69%
12) S 1-chlorooctadecane (S...	12.867	2355405	20.481 ug/ml
Spiked Amount 50.000		Recovery =	40.96%
Target Compounds			
1) T n-Nonane (C9)	3.232	2854456	20.846 ug/ml
2) T n-Decane (C10)	4.291	2909791	20.959 ug/ml
3) T A~Naphthalene (C11.7)	5.860	3166349	21.091 ug/ml
4) T n-Dodecane (C12)	6.300	2932322	20.990 ug/ml
5) T A~2-methylnaphthalene...	6.912	3057972	21.290 ug/ml
6) T n-Tetradecane (C14)	8.088	2872281	21.046 ug/ml
7) T n-Hexadecane (C16)	9.683	2924009	21.044 ug/ml
8) T n-Octadecane (C18)	11.121	2905540	20.766 ug/ml
10) T n-Eicosane (C20)	12.426	2749642	20.550 ug/ml
11) T n-Heneicosane (C21)	13.036	2679971	20.405 ug/ml
13) T n-Docosane (C22)	13.621	2637675	20.363 ug/ml
14) T n-Tetracosane (C24)	14.722	2594343	20.207 ug/ml
15) T n-Hexacosane (C26)	15.740	2537793	20.167 ug/ml
16) T n-Octacosane (C28)	16.687	2534908	20.267 ug/ml
17) T n-Tricontane (C30)	17.573	2661507	20.591 ug/ml
18) T n-Dotriacontane (C32)	18.404	2606293	20.848 ug/mlm
19) T n-Tetratriacontane (C34)	19.186	2305021	21.249 ug/ml
20) T n-Hexatriacontane (C36)	19.922	2044532	22.093 ug/mlm
21) T n-Octatriacontane (C38)	20.638	1941261	22.655 ug/mlm
22) T n-Tetracontane (C40)	21.496	1858237	22.981 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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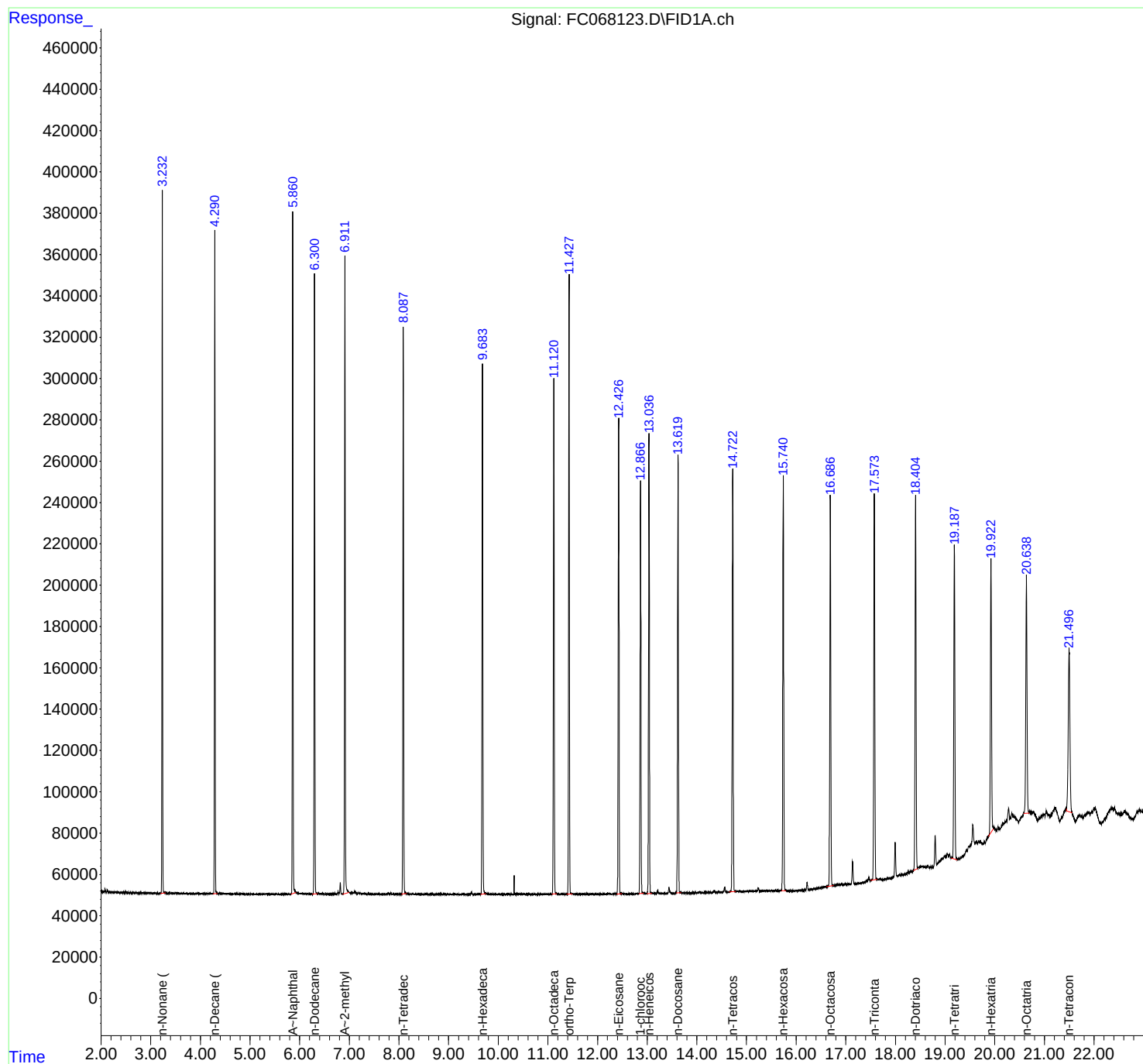
Instrument :
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20 PPM ALIPHATIC HC STD

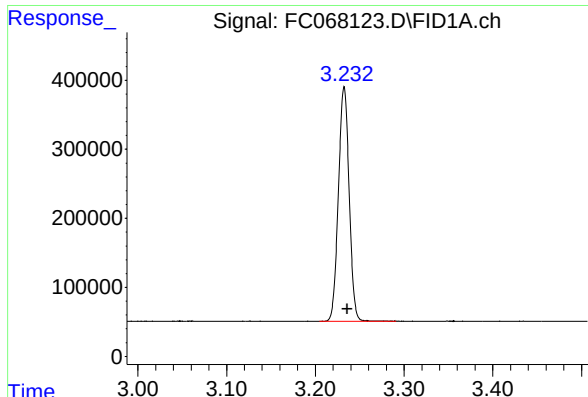
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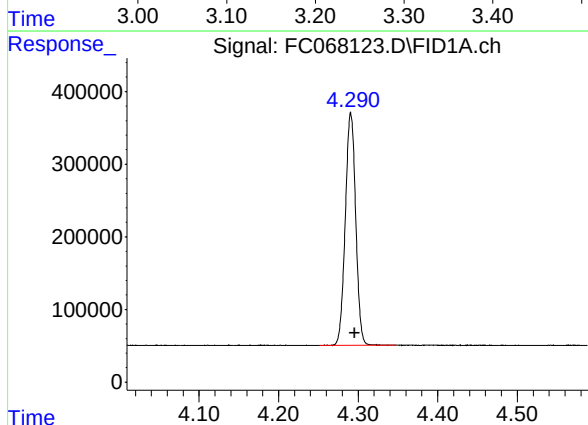
#1 n-Nonane (C9)

R.T.: 3.232 min
Delta R.T.: -0.004 min
Response: 2854456
Conc: 20.85 ug/ml

Instrument :
FID_C
ClientSampleId :
20 PPM ALIPHATIC HC STD

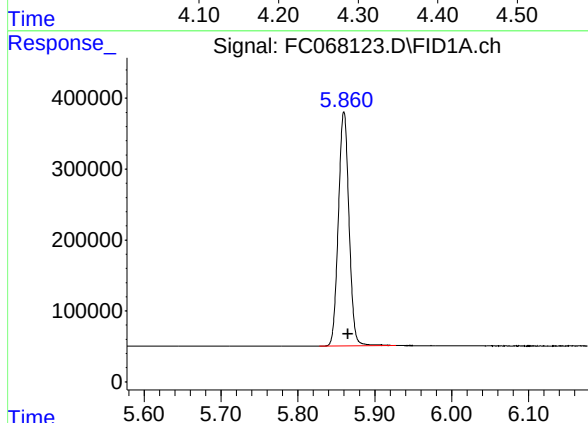
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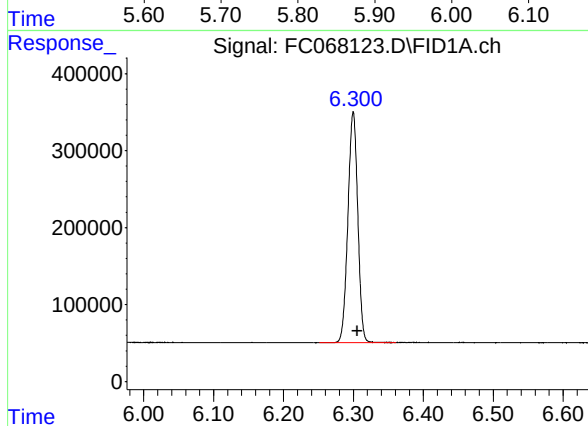
#2 n-Decane (C10)

R.T.: 4.291 min
Delta R.T.: -0.005 min
Response: 2909791
Conc: 20.96 ug/ml



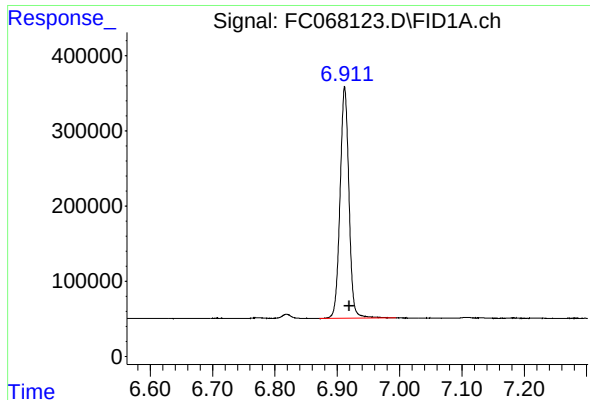
#3 A~Naphthalene (C11.7)

R.T.: 5.860 min
Delta R.T.: -0.005 min
Response: 3166349
Conc: 21.09 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.300 min
Delta R.T.: -0.006 min
Response: 2932322
Conc: 20.99 ug/ml



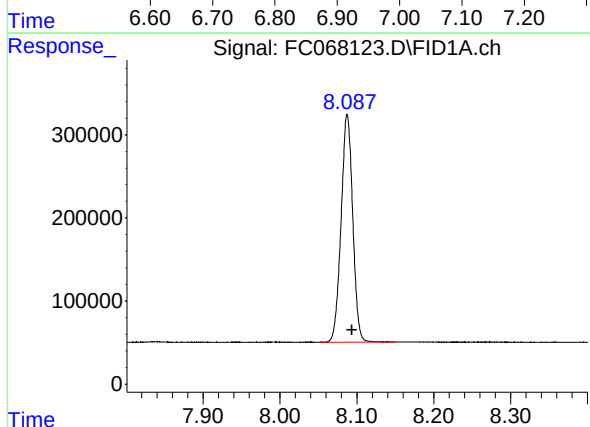
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.912 min
Delta R.T.: -0.007 min
Response: 3057972
Conc: 21.29 ug/ml

Instrument :
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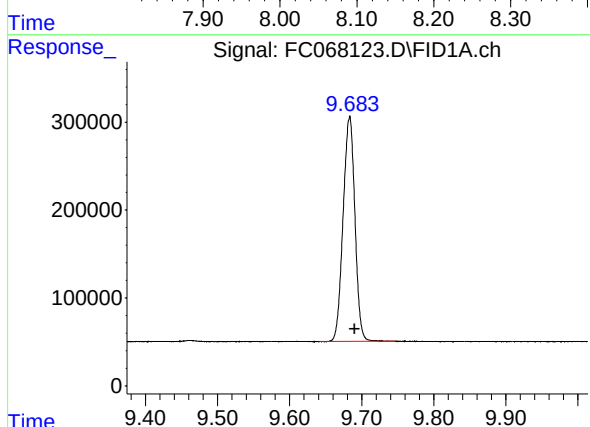
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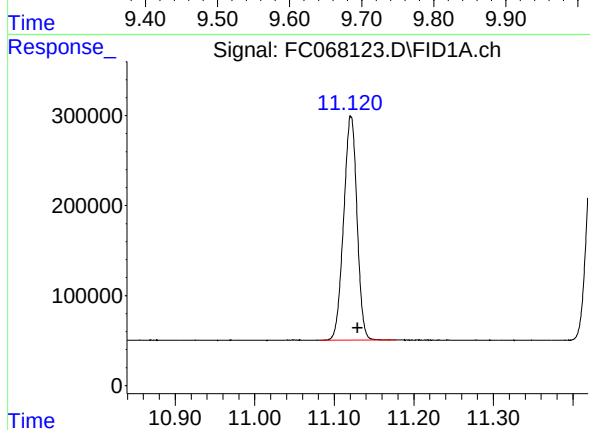
#6 n-Tetradecane (C14)

R.T.: 8.088 min
Delta R.T.: -0.006 min
Response: 2872281
Conc: 21.05 ug/ml



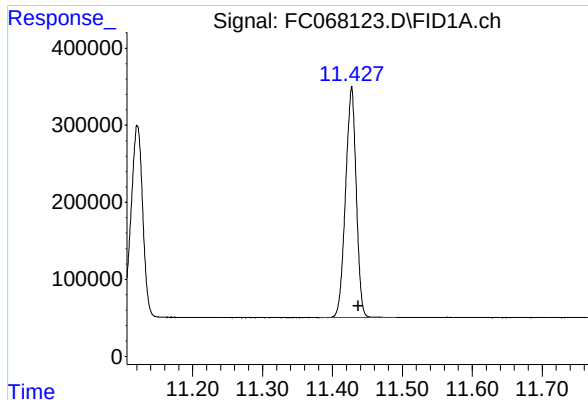
#7 n-Hexadecane (C16)

R.T.: 9.683 min
Delta R.T.: -0.007 min
Response: 2924009
Conc: 21.04 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.121 min
Delta R.T.: -0.009 min
Response: 2905540
Conc: 20.77 ug/ml



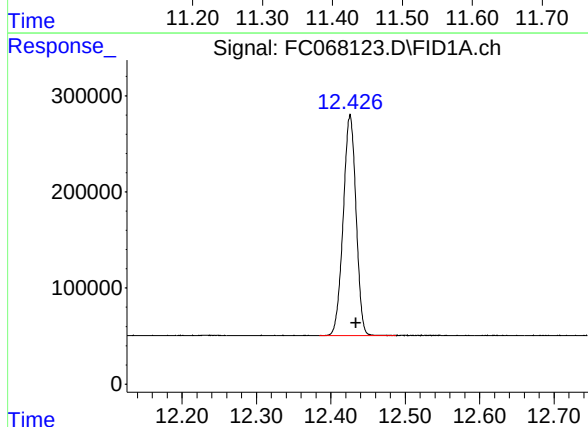
#9 ortho-Terphenyl (SURR)

R.T.: 11.427 min
Delta R.T.: -0.010 min
Response: 3178977
Conc: 20.34 ug/ml

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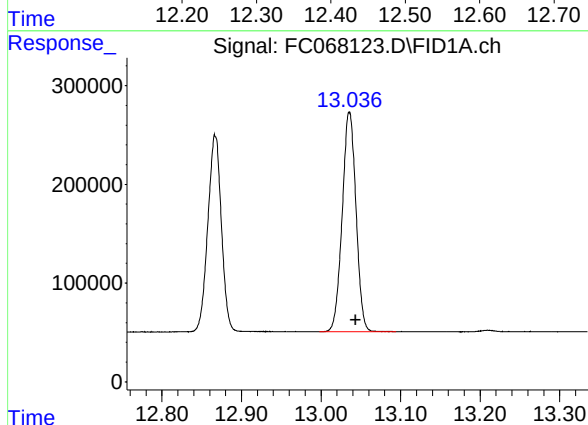
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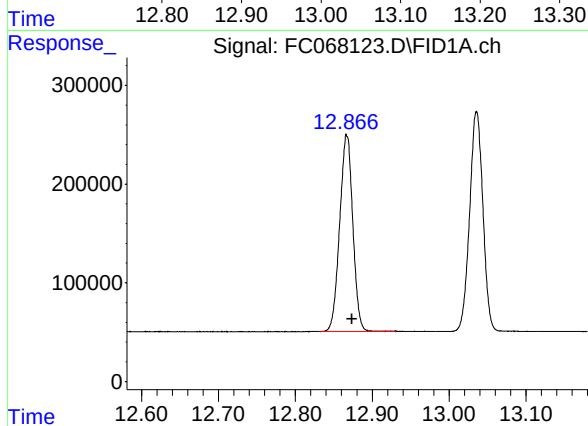
#10 n-Eicosane (C20)

R.T.: 12.426 min
Delta R.T.: -0.008 min
Response: 2749642
Conc: 20.55 ug/ml



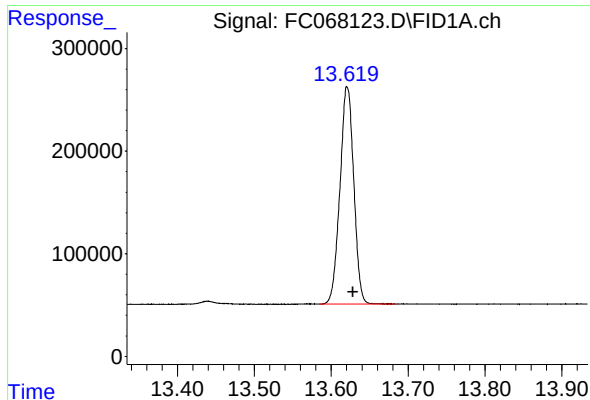
#11 n-Heneicosane (C21)

R.T.: 13.036 min
Delta R.T.: -0.008 min
Response: 2679971
Conc: 20.40 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.867 min
Delta R.T.: -0.007 min
Response: 2355405
Conc: 20.48 ug/ml



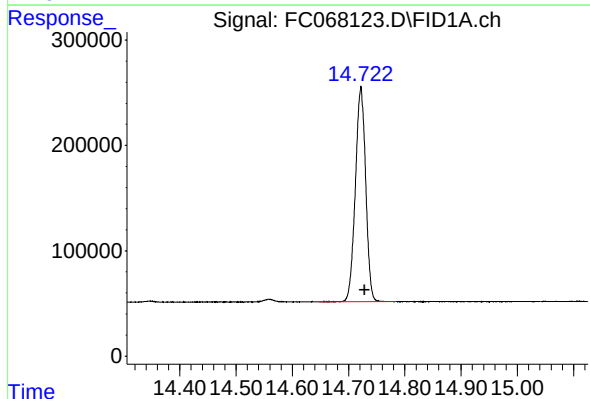
#13 n-Docosane (C22)

R.T.: 13.621 min
Delta R.T.: -0.007 min
Response: 2637675
Conc: 20.36 ug/ml

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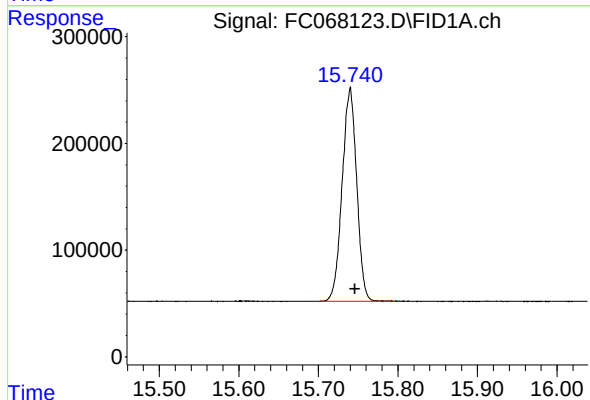
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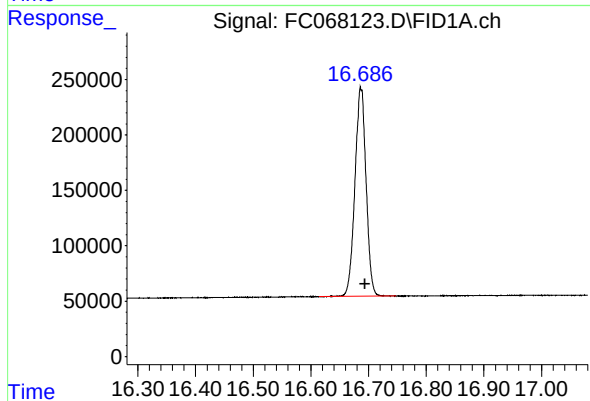
#14 n-Tetracosane (C24)

R.T.: 14.722 min
Delta R.T.: -0.006 min
Response: 2594343
Conc: 20.21 ug/ml



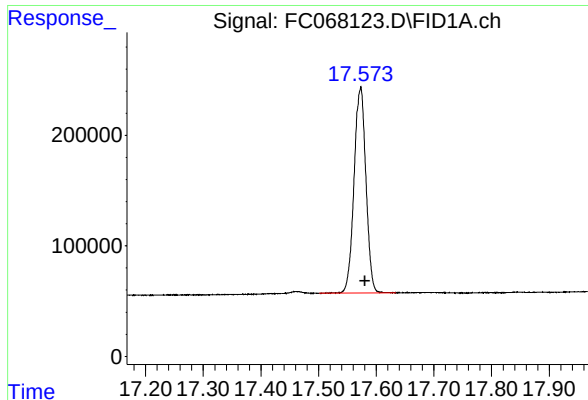
#15 n-Hexacosane (C26)

R.T.: 15.740 min
Delta R.T.: -0.006 min
Response: 2537793
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.687 min
Delta R.T.: -0.007 min
Response: 2534908
Conc: 20.27 ug/ml



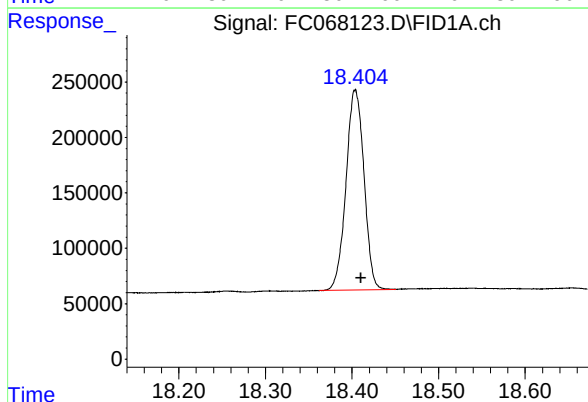
#17 n-Tricontane (C30)

R.T.: 17.573 min
Delta R.T.: -0.008 min
Response: 2661507
Conc: 20.59 ug/ml

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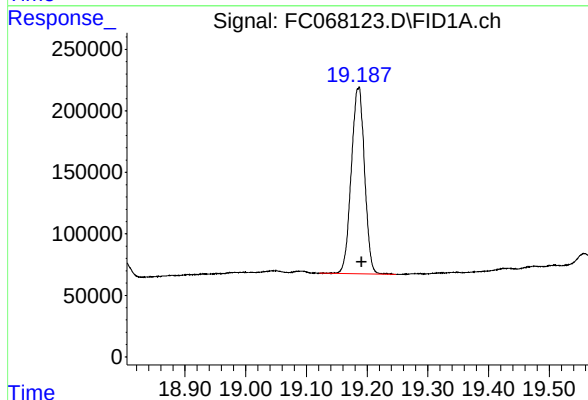
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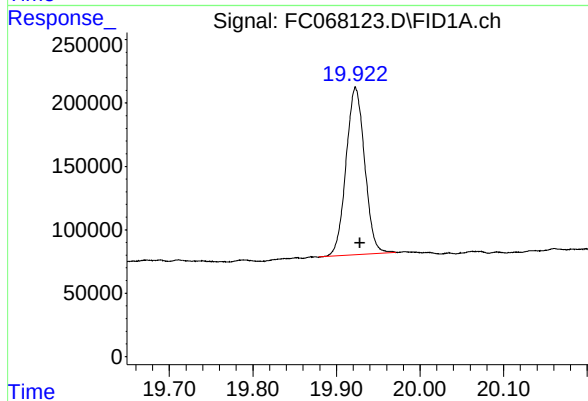
#18 n-Dotriacontane (C32)

R.T.: 18.404 min
Delta R.T.: -0.006 min
Response: 2606293
Conc: 20.85 ug/ml m



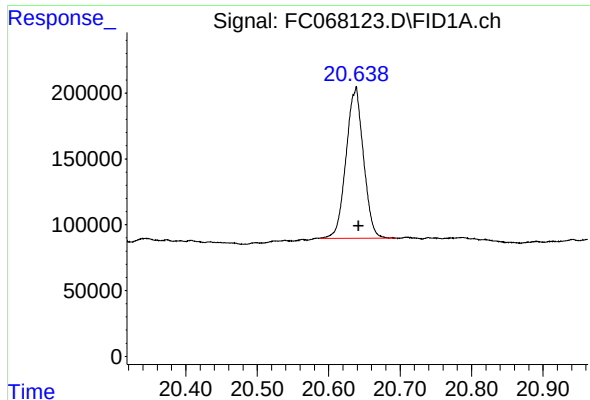
#19 n-Tetratriacontane (C34)

R.T.: 19.186 min
Delta R.T.: -0.005 min
Response: 2305021
Conc: 21.25 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.922 min
Delta R.T.: -0.006 min
Response: 2044532
Conc: 22.09 ug/ml m



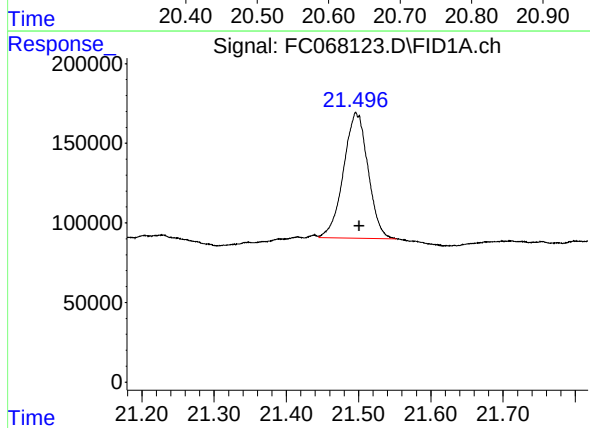
#21 n-Octatriacontane (C38)

R.T.: 20.638 min
Delta R.T.: -0.004 min
Response: 1941261
Conc: 22.65 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.496 min
Delta R.T.: -0.005 min
Response: 1858237
Conc: 22.98 ug/ml m