

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC051425AL\
 Data File : FC068868.D
 Signal(s) : FID1A.ch
 Acq On : 14 May 2025 16:05
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File: autoint1.e
 Quant Time: May 15 05:16:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 050625.M
 Quant Title : GC Extractables
 QLast Update : Wed May 07 08:52:03 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)	11.706	1972622	17.283 ug/ml
Spiked Amount 50.000		Recovery =	34.57%
12) S 1-chlorooctadecane (S...	13.139	1439718	17.946 ug/ml
Spiked Amount 50.000		Recovery =	35.89%
Target Compounds			
1) T n-Nonane (C9)	3.440	1674500	16.648 ug/ml
2) T n-Decane (C10)	4.515	1717930	17.241 ug/ml
3) T A~Naphthalene (C11.7)	6.111	1850185	16.780 ug/ml
4) T n-Dodecane (C12)	6.539	1701465	17.509 ug/ml
5) T A~2-methylnaphthalene...	7.169	1815440	16.914 ug/ml
6) T n-Tetradecane (C14)	8.337	1653015	17.885 ug/ml
7) T n-Hexadecane (C16)	9.939	1632713	18.234 ug/ml
8) T n-Octadecane (C18)	11.382	1601289	18.255 ug/ml
10) T n-Eicosane (C20)	12.693	1551627	18.208 ug/ml
11) T n-Heneicosane (C21)	13.305	1530405	18.145 ug/ml
13) T n-Docosane (C22)	13.892	1523910	18.216 ug/ml
14) T n-Tetracosane (C24)	14.995	1527425	18.357 ug/ml
15) T n-Hexacosane (C26)	16.018	1524561	18.401 ug/ml
16) T n-Octacosane (C28)	16.968	1627772	19.696 ug/mlm
17) T n-Tricontane (C30)	17.856	1840983	21.758 ug/mlm
18) T n-Dotriacontane (C32)	18.690	1963423	22.795 ug/ml
19) T n-Tetratriacontane (C34)	19.474	1856734	21.793 ug/mlm
20) T n-Hexatriacontane (C36)	20.216	1846834	21.488 ug/mlm
21) T n-Octatriacontane (C38)	20.988	1747091	20.828 ug/ml
22) T n-Tetracontane (C40)	21.963	1746207	21.307 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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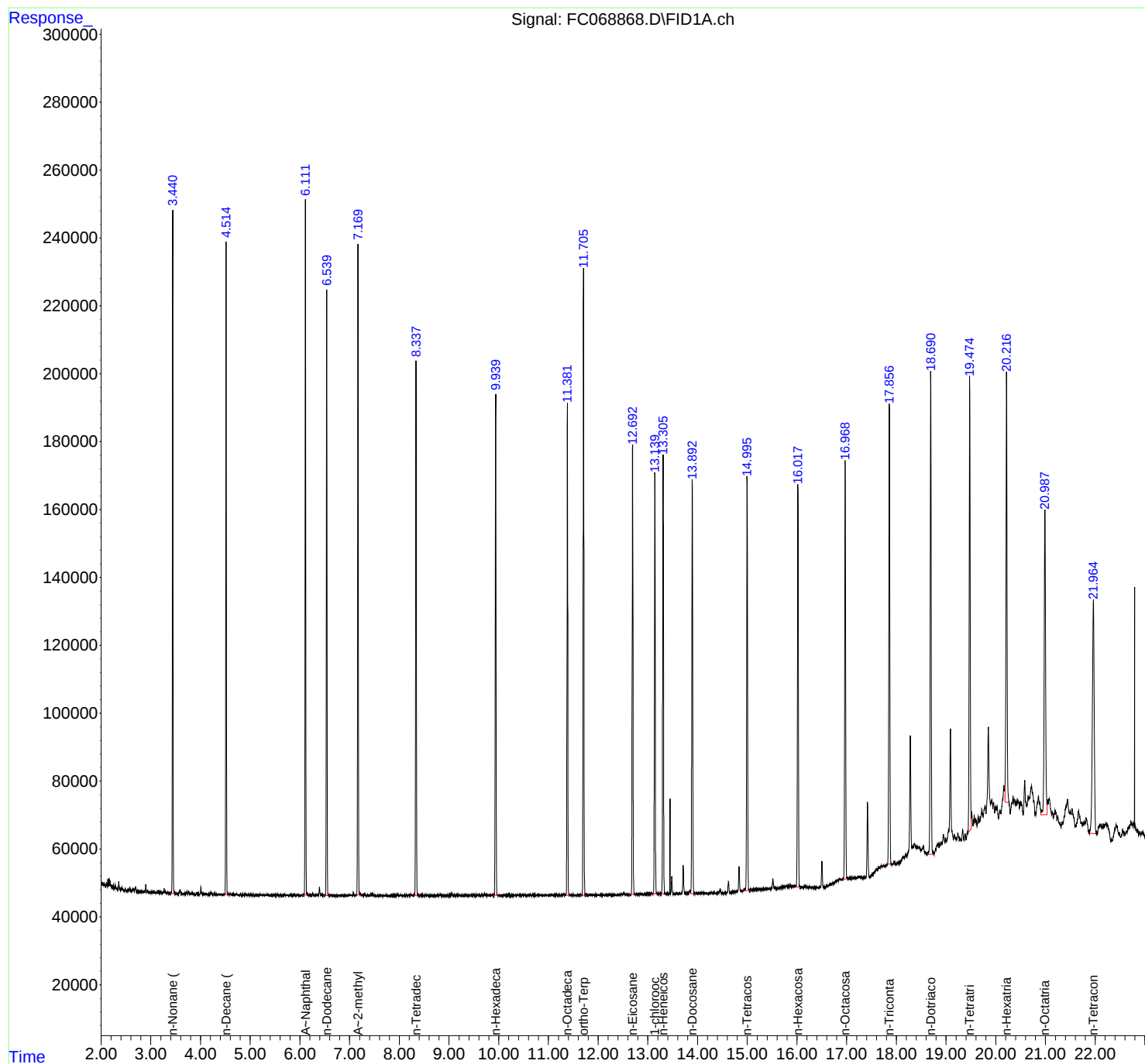
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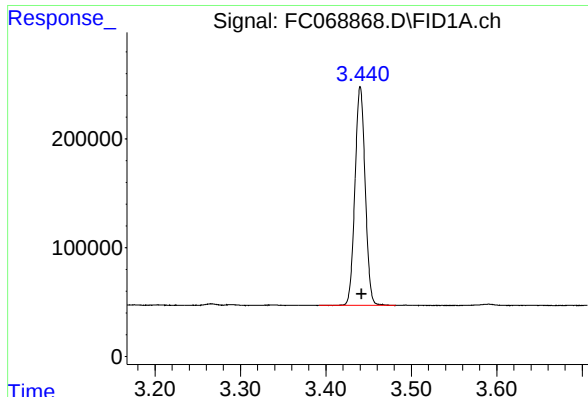
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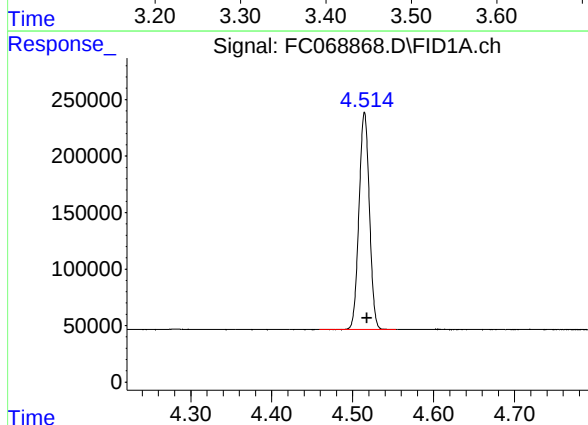
#1 n-Nonane (C9)

R.T.: 3.440 min
Delta R.T.: -0.002 min
Response: 1674500
Conc: 16.65 ug/ml

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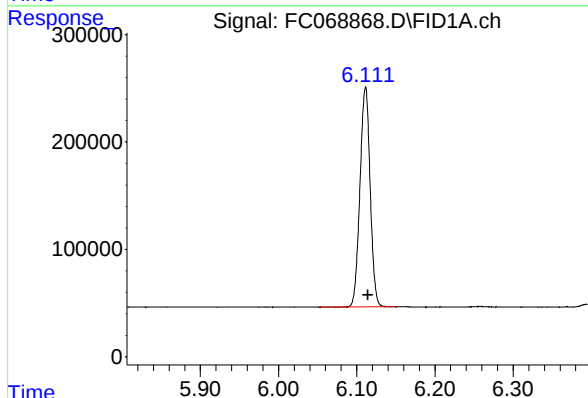
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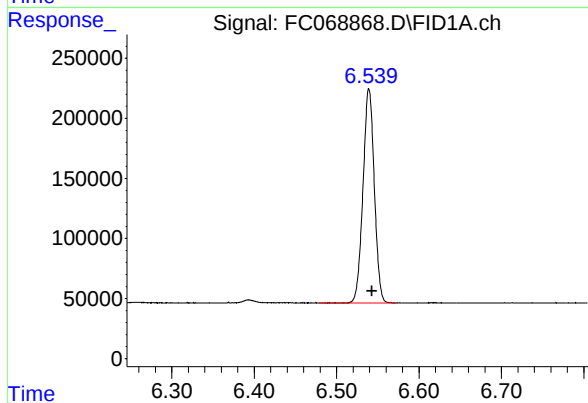
#2 n-Decane (C10)

R.T.: 4.515 min
Delta R.T.: -0.003 min
Response: 1717930
Conc: 17.24 ug/ml



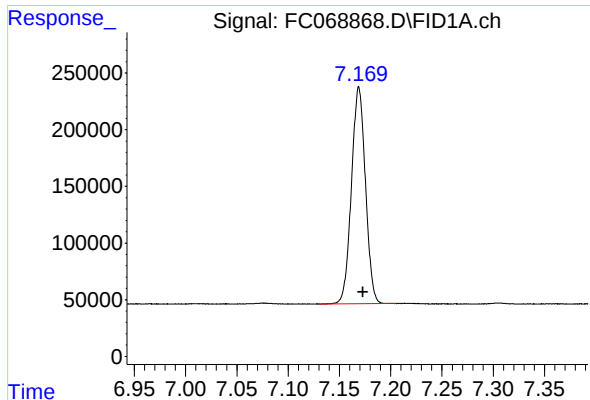
#3 A~Naphthalene (C11.7)

R.T.: 6.111 min
Delta R.T.: -0.004 min
Response: 1850185
Conc: 16.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.539 min
Delta R.T.: -0.004 min
Response: 1701465
Conc: 17.51 ug/ml



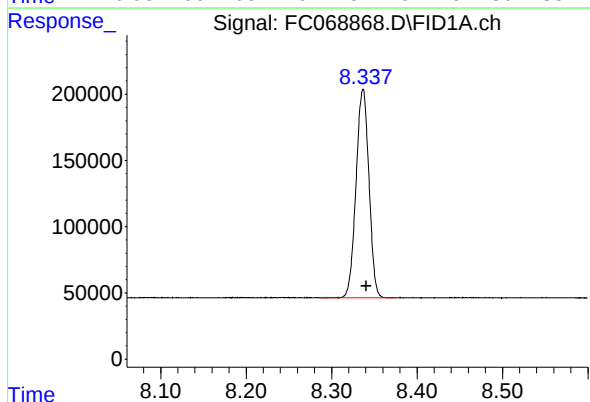
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.169 min
Delta R.T.: -0.004 min
Response: 1815440
Conc: 16.91 ug/ml

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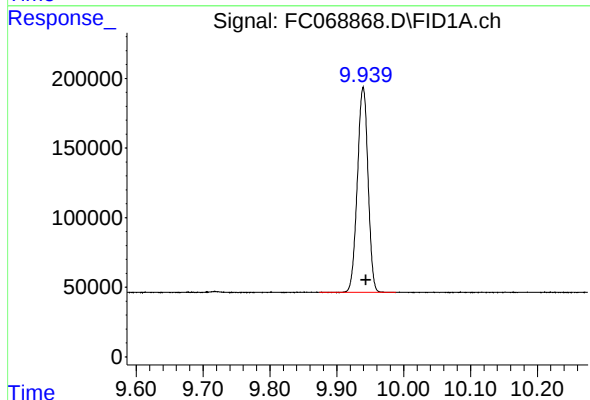
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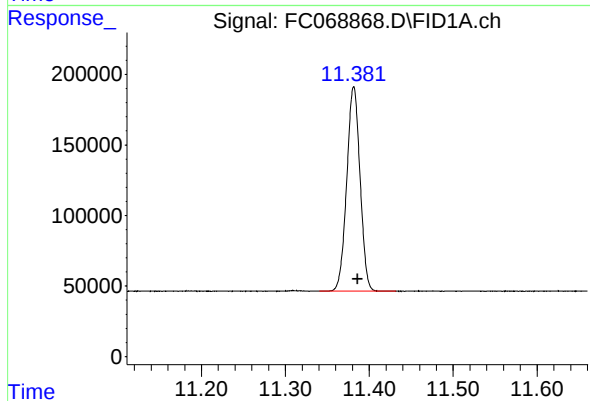
#6 n-Tetradecane (C14)

R.T.: 8.337 min
Delta R.T.: -0.004 min
Response: 1653015
Conc: 17.88 ug/ml



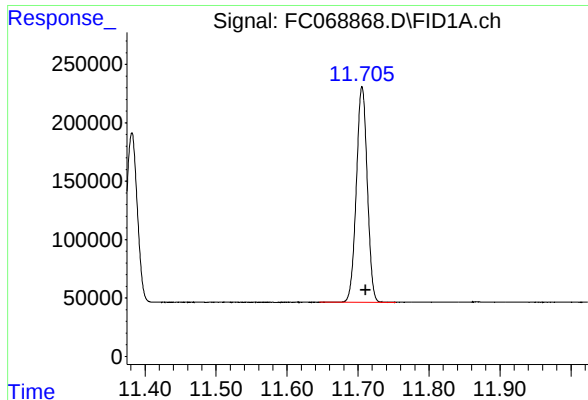
#7 n-Hexadecane (C16)

R.T.: 9.939 min
Delta R.T.: -0.004 min
Response: 1632713
Conc: 18.23 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.382 min
Delta R.T.: -0.005 min
Response: 1601289
Conc: 18.25 ug/ml



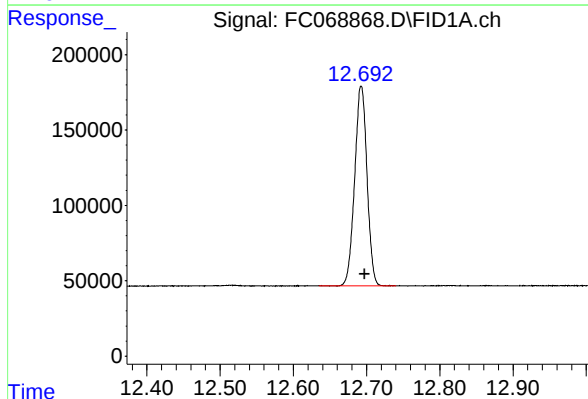
#9 ortho-Terphenyl (SURR)

R.T.: 11.706 min
Delta R.T.: -0.005 min
Response: 1972622
Conc: 17.28 ug/ml

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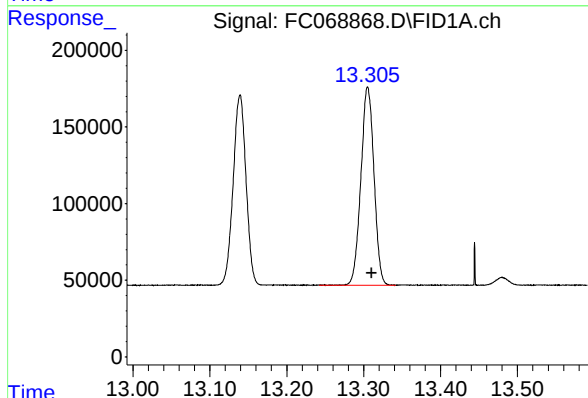
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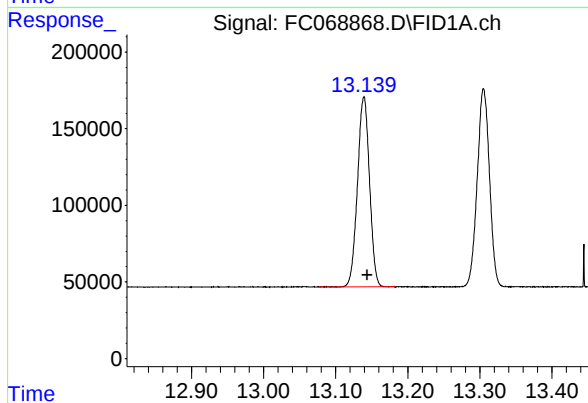
#10 n-Eicosane (C20)

R.T.: 12.693 min
Delta R.T.: -0.004 min
Response: 1551627
Conc: 18.21 ug/ml



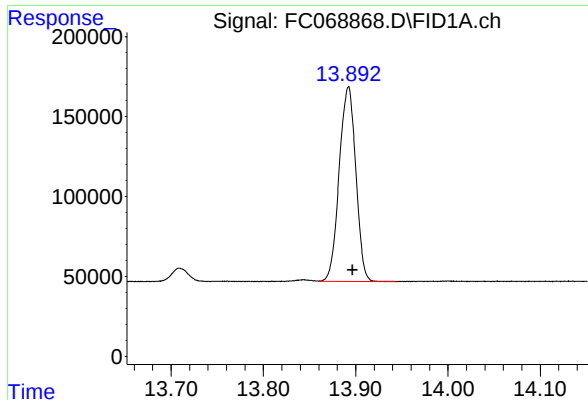
#11 n-Heneicosane (C21)

R.T.: 13.305 min
Delta R.T.: -0.005 min
Response: 1530405
Conc: 18.14 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.139 min
Delta R.T.: -0.005 min
Response: 1439718
Conc: 17.95 ug/ml



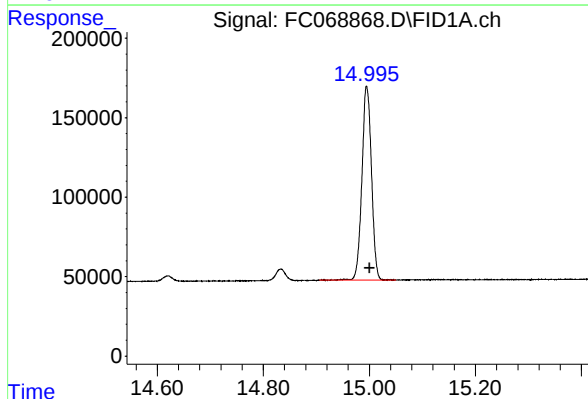
#13 n-Docosane (C22)

R.T.: 13.892 min
Delta R.T.: -0.005 min
Response: 1523910
Conc: 18.22 ug/ml

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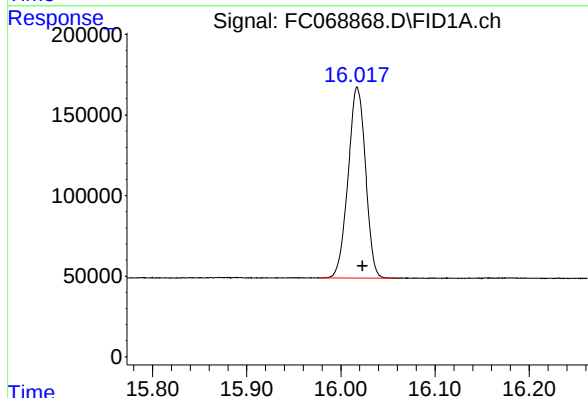
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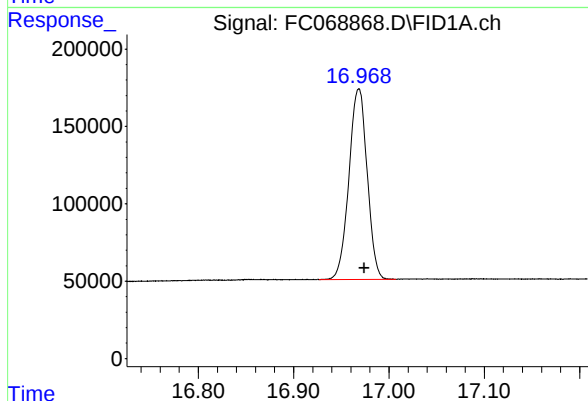
#14 n-Tetracosane (C24)

R.T.: 14.995 min
Delta R.T.: -0.006 min
Response: 1527425
Conc: 18.36 ug/ml



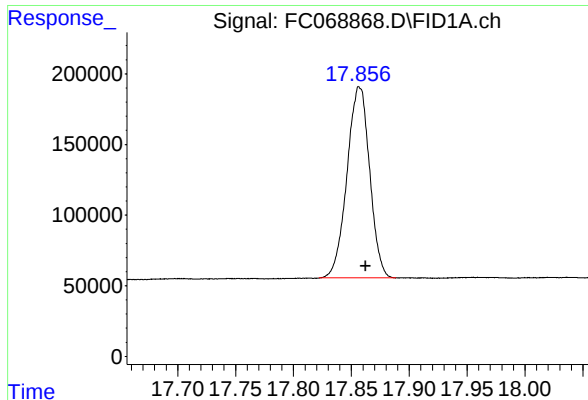
#15 n-Hexacosane (C26)

R.T.: 16.018 min
Delta R.T.: -0.006 min
Response: 1524561
Conc: 18.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.968 min
Delta R.T.: -0.006 min
Response: 1627772
Conc: 19.70 ug/ml m



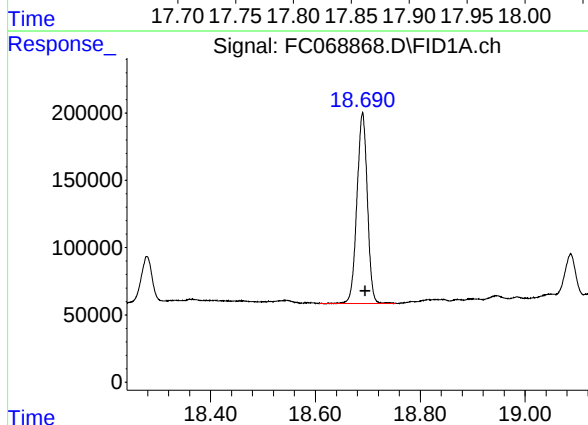
#17 n-Tricontane (C30)

R.T.: 17.856 min
Delta R.T.: -0.006 min
Response: 1840983
Conc: 21.76 ug/ml

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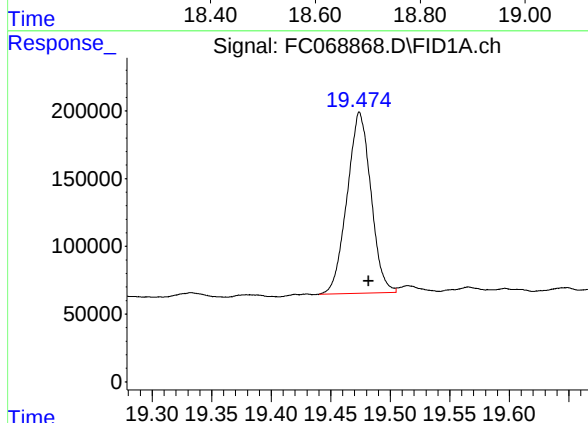
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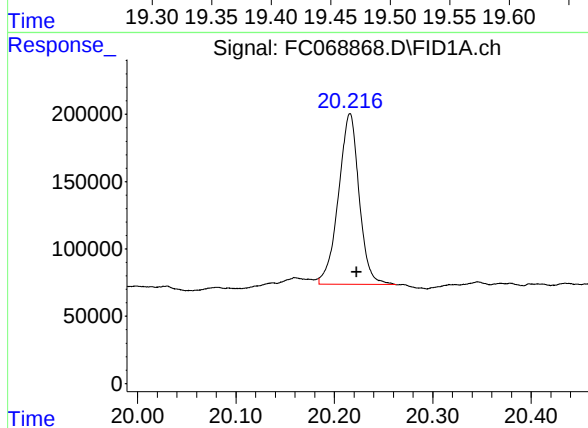
#18 n-Dotriacontane (C32)

R.T.: 18.690 min
Delta R.T.: -0.005 min
Response: 1963423
Conc: 22.79 ug/ml



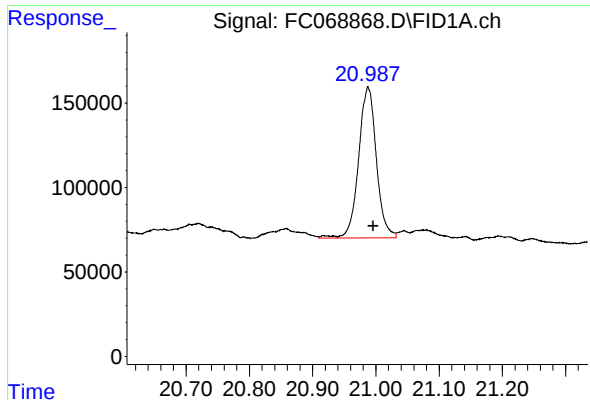
#19 n-Tetratriacontane (C34)

R.T.: 19.474 min
Delta R.T.: -0.008 min
Response: 1856734
Conc: 21.79 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.216 min
Delta R.T.: -0.006 min
Response: 1846834
Conc: 21.49 ug/ml m



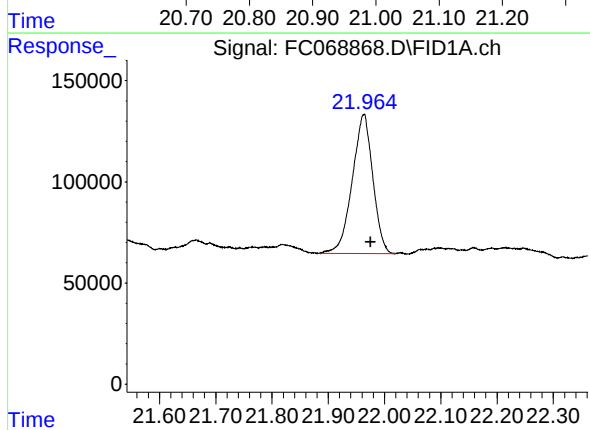
#21 n-Octatriacontane (C38)

R.T.: 20.988 min
Delta R.T.: -0.009 min
Response: 1747091
Conc: 20.83 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.963 min
Delta R.T.: -0.012 min
Response: 1746207
Conc: 21.31 ug/ml