

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC041725AL\
 Data File : FC068620.D
 Signal(s) : FID1A.ch
 Acq On : 17 Apr 2025 13:56
 Operator : YP/AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel

04/18/2025
 Supervised By :mohammad
 ahmed

04/21/2025

Integration File: autoint1.e
 Quant Time: Apr 18 02:52:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 040925.M
 Quant Title : GC Extractables
 QLast Update : Tue Apr 08 17:31:27 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)	11.718	2334036	18.329 ug/ml
Spiked Amount 50.000		Recovery =	36.66%
12) S 1-chlorooctadecane (S...	13.151	1716874	18.482 ug/ml
Spiked Amount 50.000		Recovery =	36.96%
Target Compounds			
1) T n-Nonane (C9)	3.446	2078462	19.734 ug/ml
2) T n-Decane (C10)	4.522	2116485	20.088 ug/ml
3) T A~Naphthalene (C11.7)	6.121	2326618	19.978 ug/ml
4) T n-Dodecane (C12)	6.549	2103692	20.004 ug/ml
5) T A~2-methylnaphthalene...	7.179	2225562	19.269 ug/ml
6) T n-Tetradecane (C14)	8.347	2049940	19.940 ug/ml
7) T n-Hexadecane (C16)	9.949	2077137	20.396 ug/ml
8) T n-Octadecane (C18)	11.393	2074884	20.618 ug/ml
10) T n-Eicosane (C20)	12.705	1975283	20.082 ug/ml
11) T n-Heneicosane (C21)	13.317	1938243	19.888 ug/ml
13) T n-Docosane (C22)	13.904	1929622	19.976 ug/ml
14) T n-Tetracosane (C24)	15.009	1932203	20.300 ug/ml
15) T n-Hexacosane (C26)	16.032	1907642	20.423 ug/ml
16) T n-Octacosane (C28)	16.983	1895452	20.702 ug/ml
17) T n-Tricontane (C30)	17.873	1958209	21.301 ug/ml
18) T n-Dotriacontane (C32)	18.708	1912111	20.845 ug/ml
19) T n-Tetratriacontane (C34)	19.493	1773710	19.854 ug/ml
20) T n-Hexatriacontane (C36)	20.233	1569350	17.519 ug/ml
21) T n-Octatriacontane (C38)	21.011	1456435	16.473 ug/ml
22) T n-Tetracontane (C40)	21.988	1463480	16.573 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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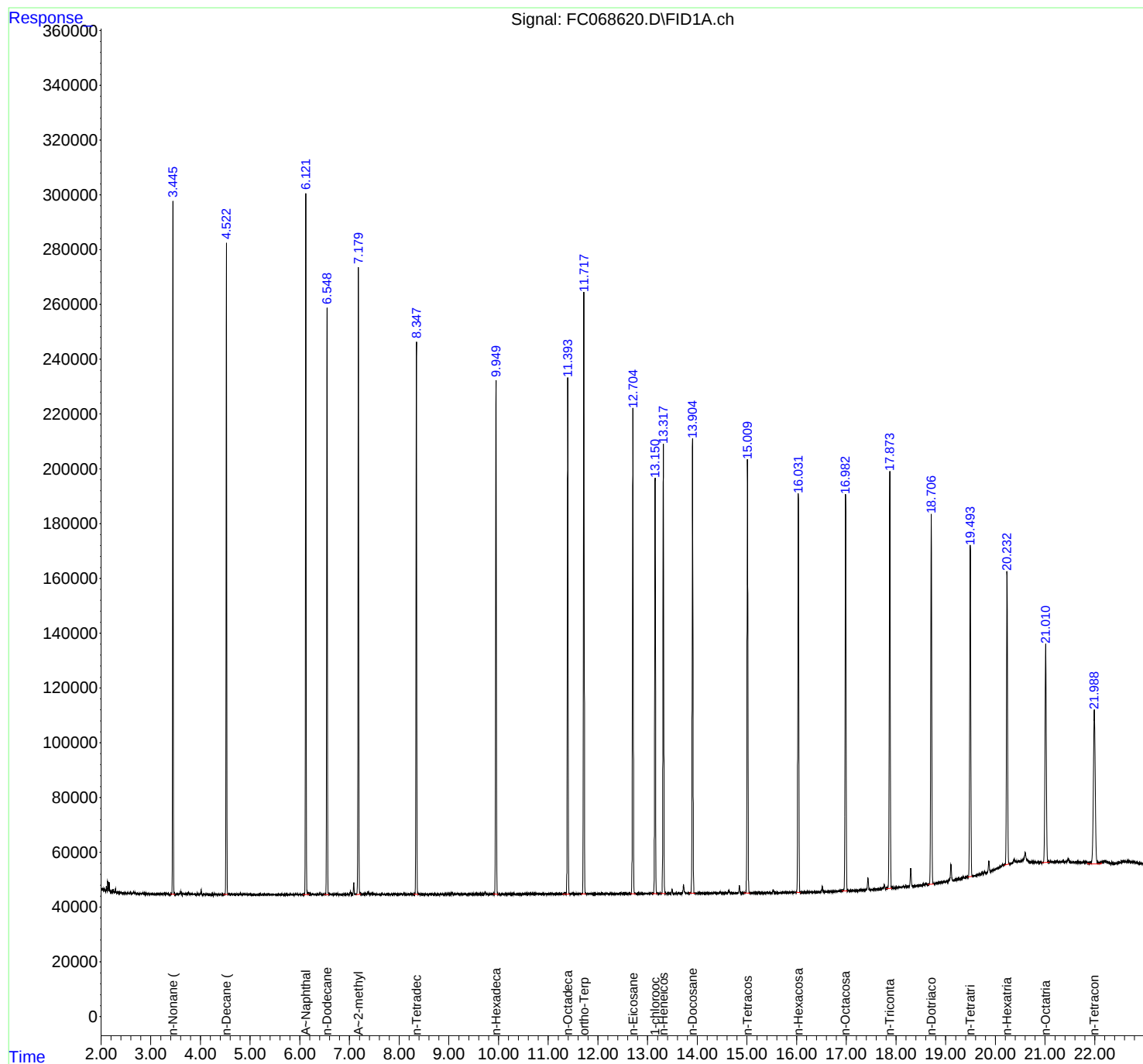
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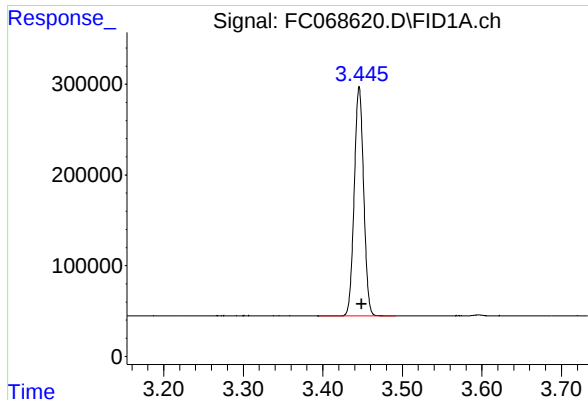
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#1 n-Nonane (C9)

R.T.: 3.446 min
Delta R.T.: -0.003 min
Response: 2078462
Conc: 19.73 ug/ml

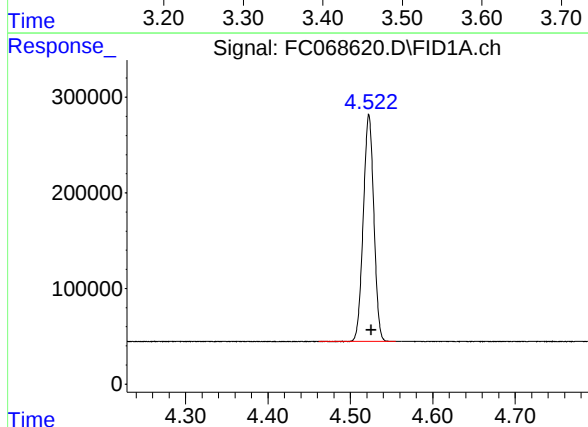
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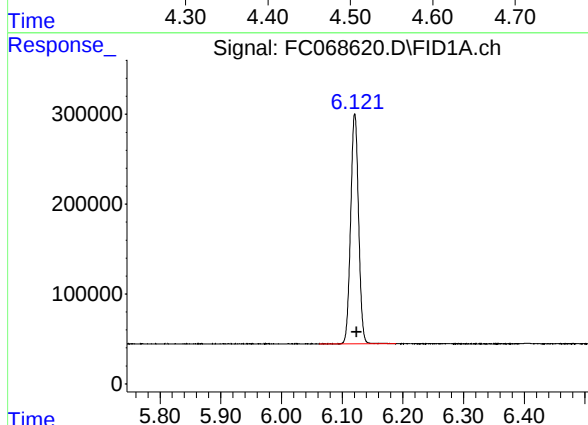
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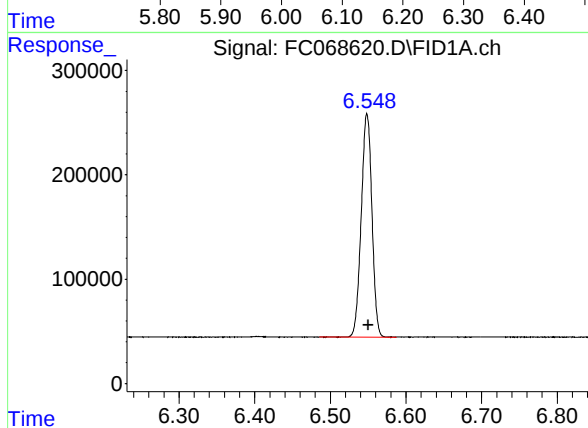
#2 n-Decane (C10)

R.T.: 4.522 min
Delta R.T.: -0.003 min
Response: 2116485
Conc: 20.09 ug/ml



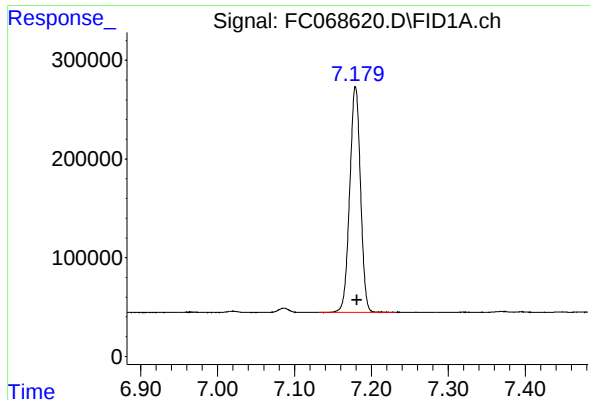
#3 A~Naphthalene (C11.7)

R.T.: 6.121 min
Delta R.T.: -0.003 min
Response: 2326618
Conc: 19.98 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.549 min
Delta R.T.: -0.002 min
Response: 2103692
Conc: 20.00 ug/ml



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

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 2225562
Conc: 19.27 ug/ml

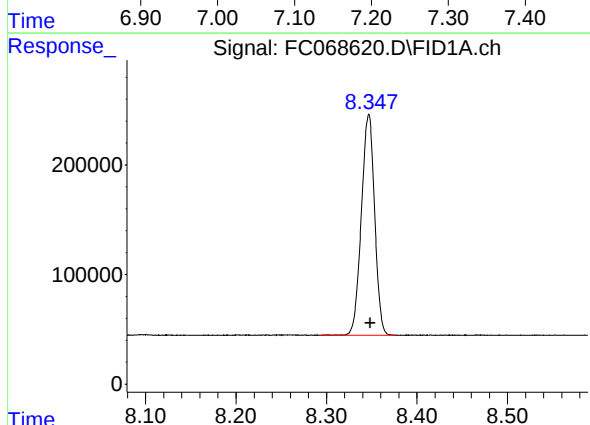
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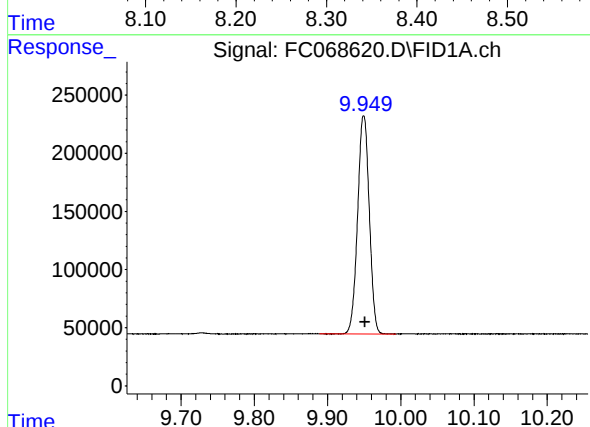
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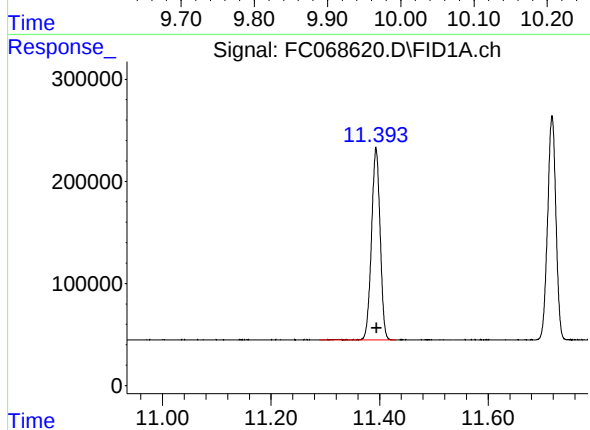
#6 n-Tetradecane (C14)

R.T.: 8.347 min
Delta R.T.: -0.002 min
Response: 2049940
Conc: 19.94 ug/ml



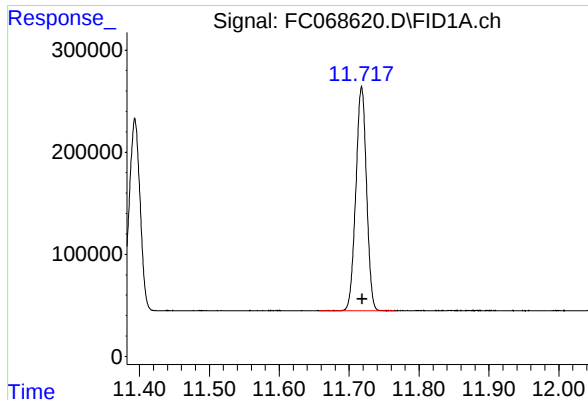
#7 n-Hexadecane (C16)

R.T.: 9.949 min
Delta R.T.: -0.001 min
Response: 2077137
Conc: 20.40 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.393 min
Delta R.T.: -0.001 min
Response: 2074884
Conc: 20.62 ug/ml



#9 ortho-Terphenyl (SURR)

R.T.: 11.718 min
Delta R.T.: 0.000 min
Response: 2334036
Conc: 18.33 ug/ml

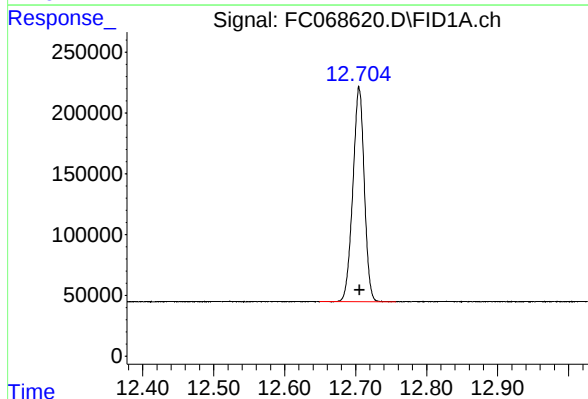
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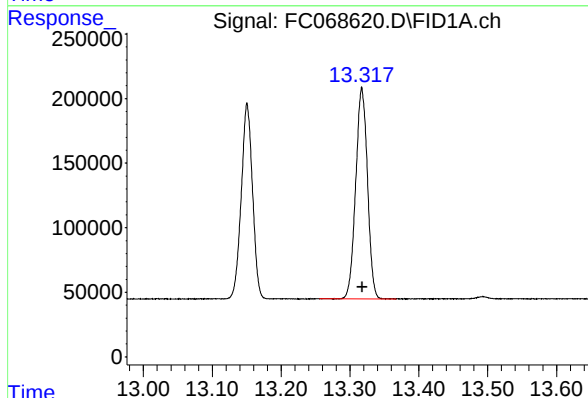
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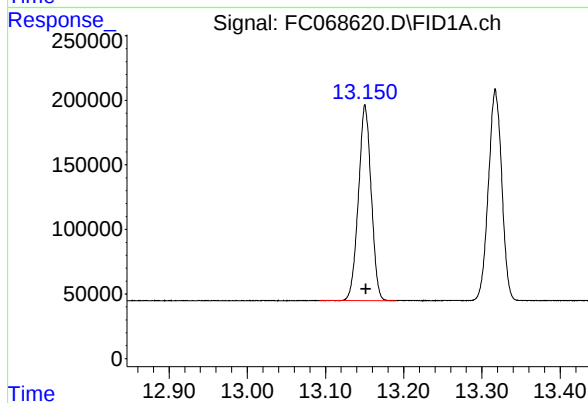
#10 n-Eicosane (C20)

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 1975283
Conc: 20.08 ug/ml



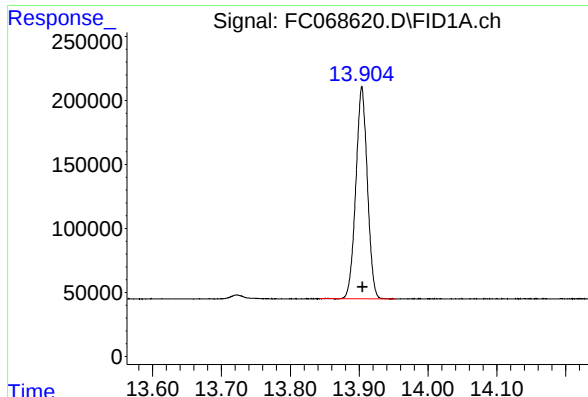
#11 n-Heneicosane (C21)

R.T.: 13.317 min
Delta R.T.: 0.000 min
Response: 1938243
Conc: 19.89 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.151 min
Delta R.T.: -0.001 min
Response: 1716874
Conc: 18.48 ug/ml



#13 n-Docosane (C22)

R.T.: 13.904 min
Delta R.T.: -0.001 min
Response: 1929622
Conc: 19.98 ug/ml

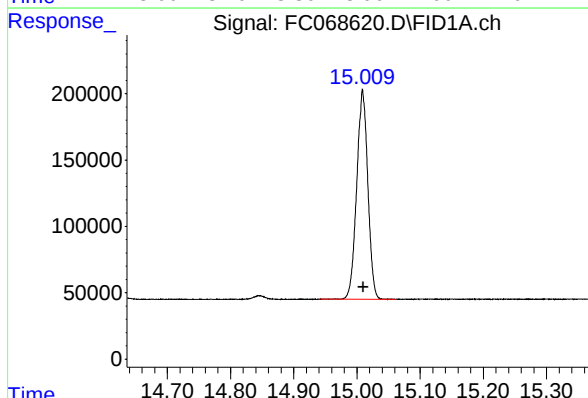
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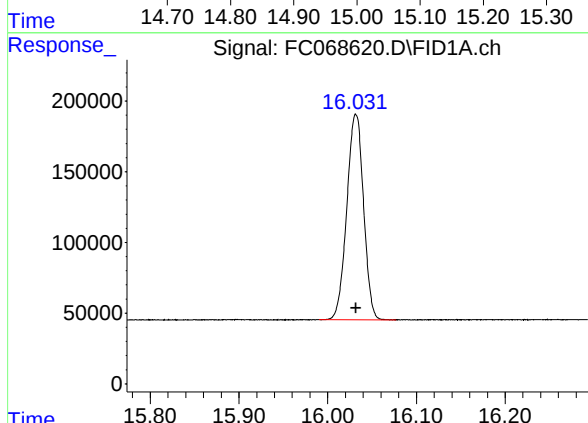
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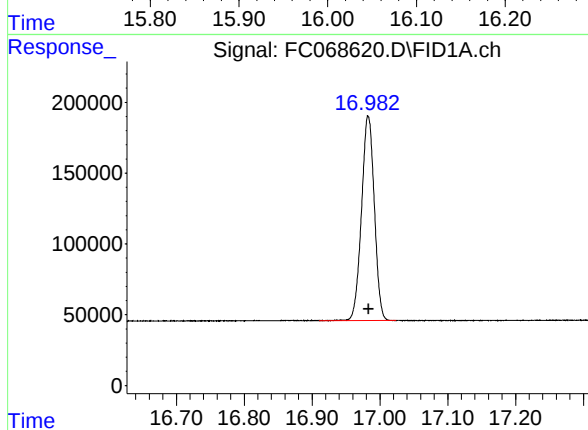
#14 n-Tetracosane (C24)

R.T.: 15.009 min
Delta R.T.: 0.000 min
Response: 1932203
Conc: 20.30 ug/ml



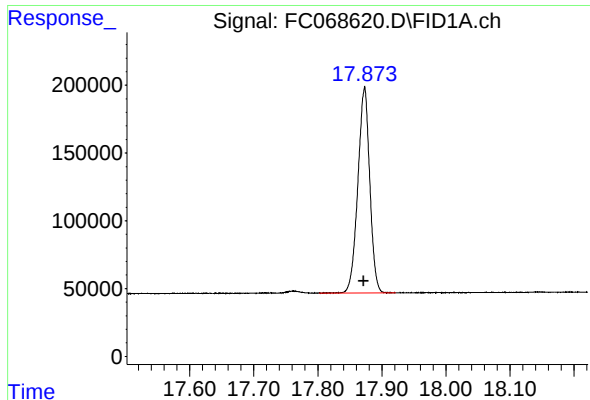
#15 n-Hexacosane (C26)

R.T.: 16.032 min
Delta R.T.: 0.000 min
Response: 1907642
Conc: 20.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.983 min
Delta R.T.: 0.000 min
Response: 1895452
Conc: 20.70 ug/ml



#17 n-Tricontane (C30)

R.T.: 17.873 min
Delta R.T.: 0.001 min
Response: 1958209
Conc: 21.30 ug/ml

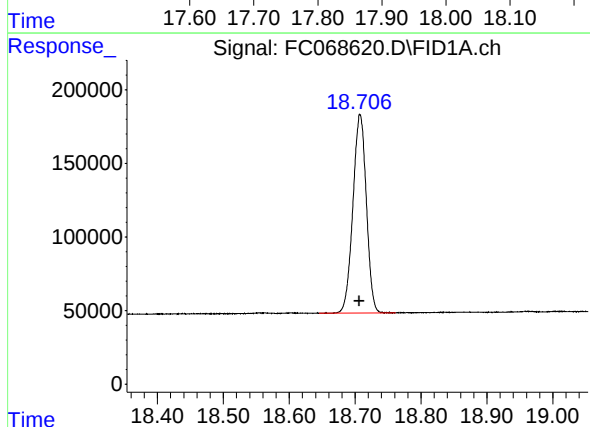
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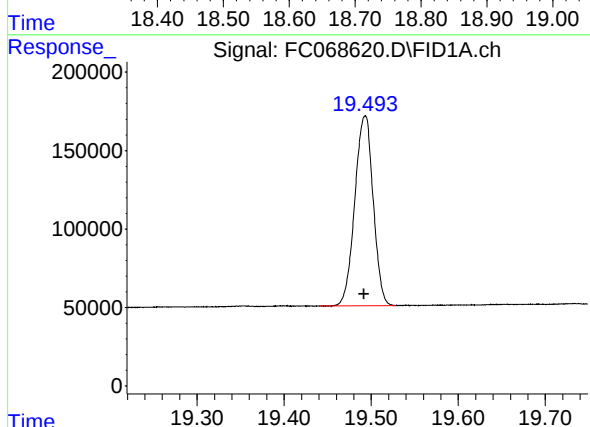
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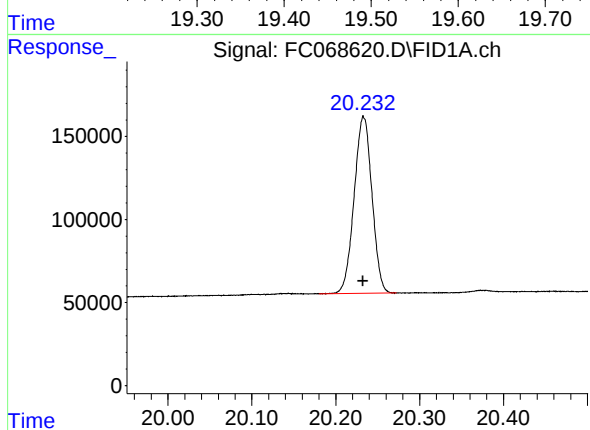
#18 n-Dotriacontane (C32)

R.T.: 18.708 min
Delta R.T.: 0.001 min
Response: 1912111
Conc: 20.85 ug/ml



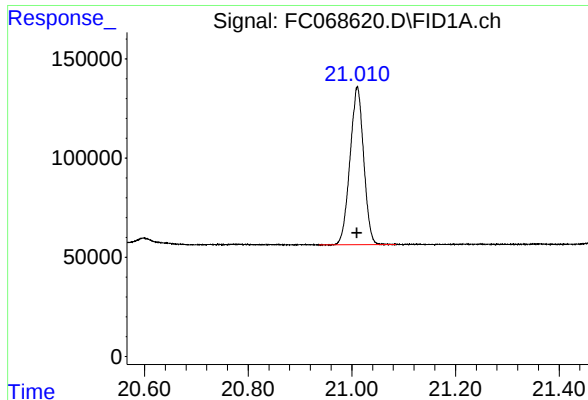
#19 n-Tetatriacontane (C34)

R.T.: 19.493 min
Delta R.T.: 0.001 min
Response: 1773710
Conc: 19.85 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.233 min
Delta R.T.: 0.001 min
Response: 1569350
Conc: 17.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.011 min
Delta R.T.: 0.001 min
Response: 1456435
Conc: 16.47 ug/ml

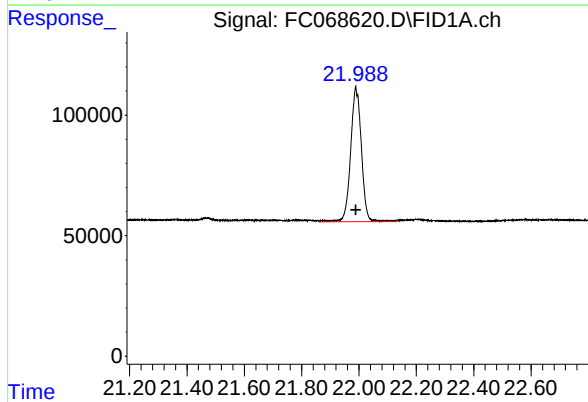
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#22 n-Tetracontane (C40)

R.T.: 21.988 min
Delta R.T.: 0.000 min
Response: 1463480
Conc: 16.57 ug/ml m