

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC020325AL\
 Data File : FC068174.D
 Signal(s) : FID1A.ch
 Acq On : 03 Feb 2025 10:44
 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 02/04/2025
 Supervised By :Ankita Jodhani 02/04/2025

Integration File: autoint1.e
 Quant Time: Feb 04 01:57:05 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)	11.417	2921120	18.693 ug/ml
Spiked Amount 50.000		Recovery =	37.39%
12) S 1-chlorooctadecane (S...	12.858	2141736	18.623 ug/ml
Spiked Amount 50.000		Recovery =	37.25%
Target Compounds			
1) T n-Nonane (C9)	3.227	2727872	19.921 ug/ml
2) T n-Decane (C10)	4.284	2751655	19.820 ug/ml
3) T A~Naphthalene (C11.7)	5.852	2969037	19.777 ug/ml
4) T n-Dodecane (C12)	6.292	2724624	19.504 ug/ml
5) T A~2-methylnaphthalene...	6.904	2818997	19.626 ug/ml
6) T n-Tetradecane (C14)	8.080	2617079	19.176 ug/ml
7) T n-Hexadecane (C16)	9.675	2624859	18.891 ug/ml
8) T n-Octadecane (C18)	11.111	2619477	18.722 ug/ml
10) T n-Eicosane (C20)	12.417	2492902	18.631 ug/ml
11) T n-Heneicosane (C21)	13.026	2444802	18.614 ug/ml
13) T n-Docosane (C22)	13.611	2410670	18.610 ug/ml
14) T n-Tetracosane (C24)	14.711	2378089	18.523 ug/ml
15) T n-Hexacosane (C26)	15.729	2320076	18.437 ug/ml
16) T n-Octacosane (C28)	16.677	2254821	18.028 ug/ml
17) T n-Tricontane (C30)	17.563	2257740	17.467 ug/ml
18) T n-Dotriacontane (C32)	18.393	2161217	17.288 ug/ml
19) T n-Tetratriacontane (C34)	19.174	1914815	17.652 ug/ml
20) T n-Hexatriacontane (C36)	19.913	1677915	18.131 ug/ml
21) T n-Octatriacontane (C38)	20.625	1606047	18.743 ug/ml
22) T n-Tetracontane (C40)	21.480	1546702	19.128 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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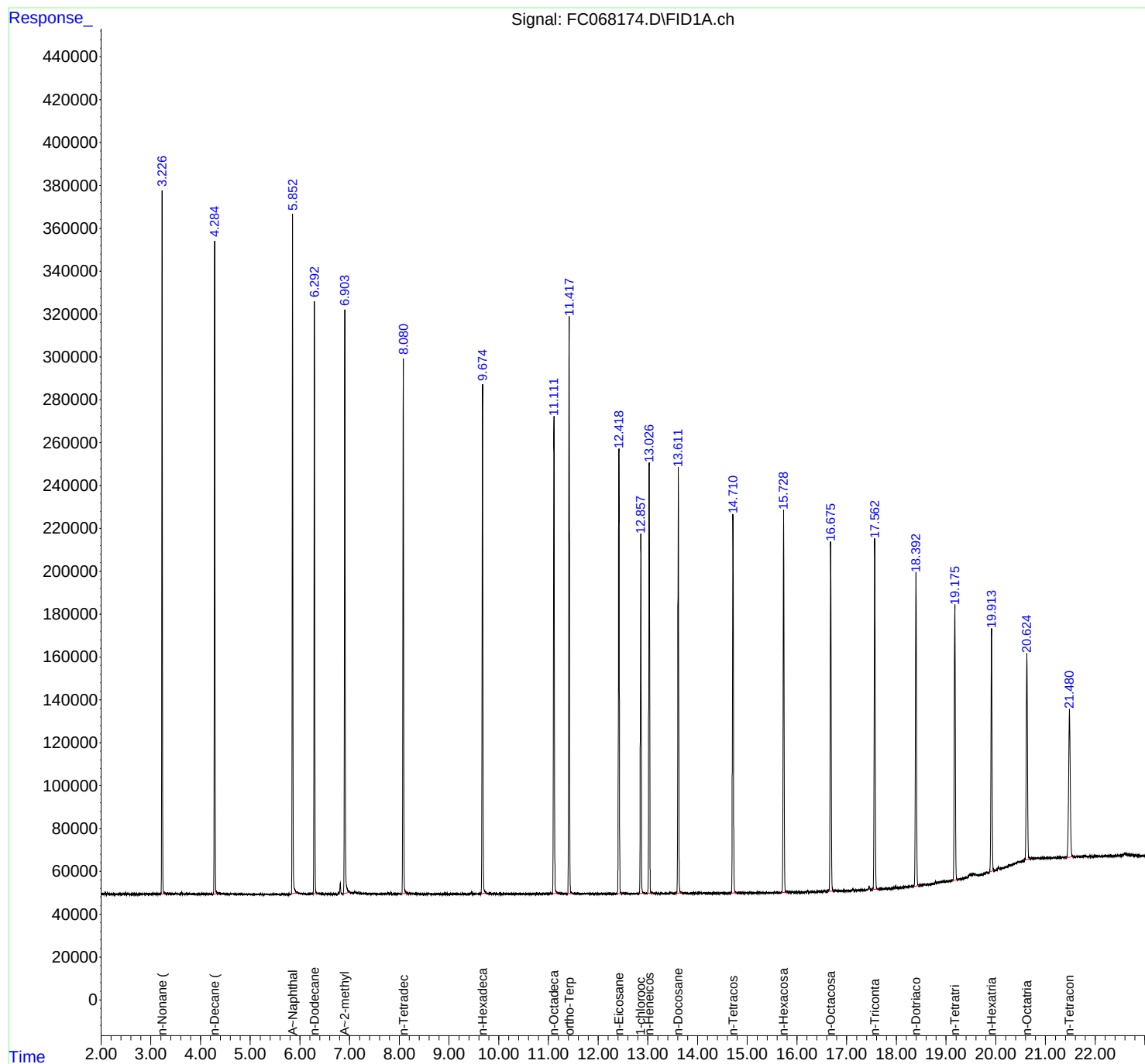
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20 PPM ALIPHATIC HC STD

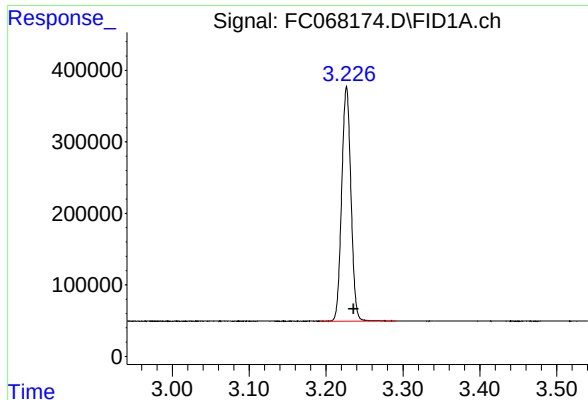
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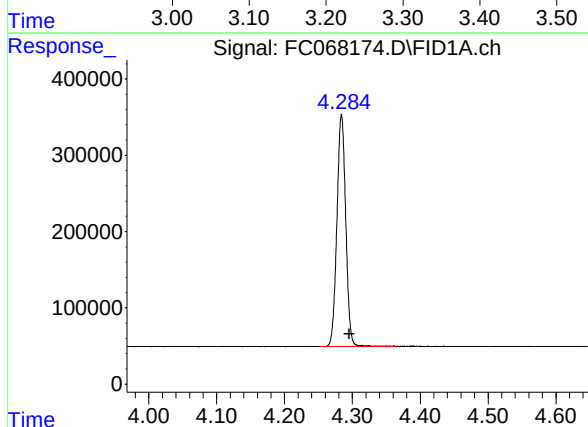
#1 n-Nonane (C9)

R.T.: 3.227 min
Delta R.T.: -0.009 min
Response: 2727872
Conc: 19.92 ug/ml

Instrument : FID_C
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20 PPM ALIPHATIC HC STD

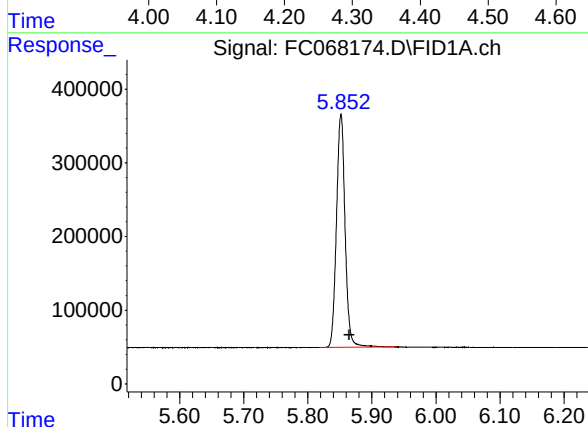
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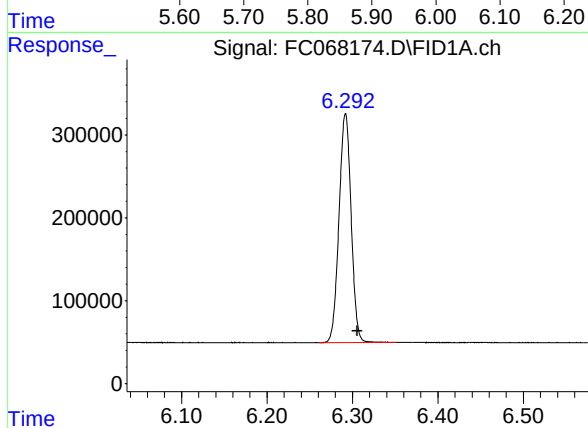
#2 n-Decane (C10)

R.T.: 4.284 min
Delta R.T.: -0.011 min
Response: 2751655
Conc: 19.82 ug/ml



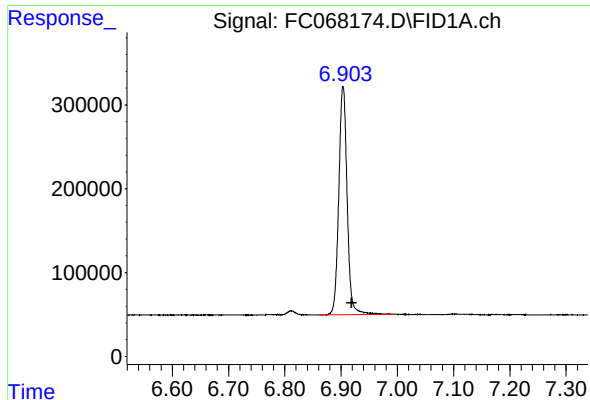
#3 A~Naphthalene (C11.7)

R.T.: 5.852 min
Delta R.T.: -0.013 min
Response: 2969037
Conc: 19.78 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.292 min
Delta R.T.: -0.014 min
Response: 2724624
Conc: 19.50 ug/ml



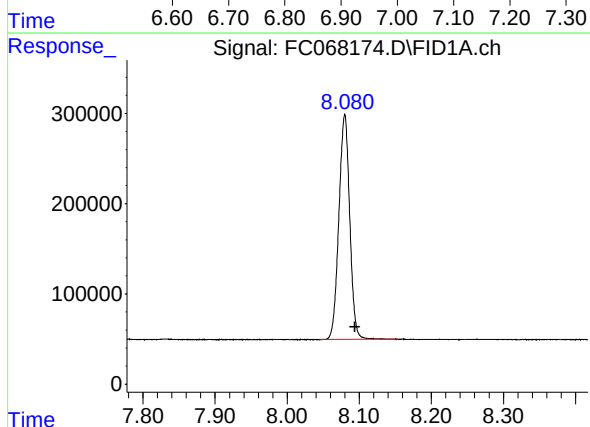
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.904 min
Delta R.T.: -0.016 min
Response: 2818997
Conc: 19.63 ug/ml

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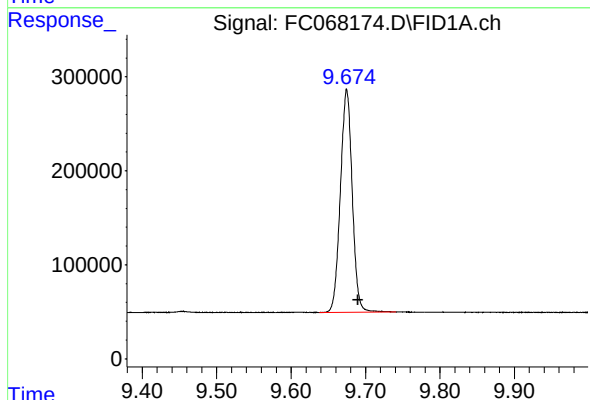
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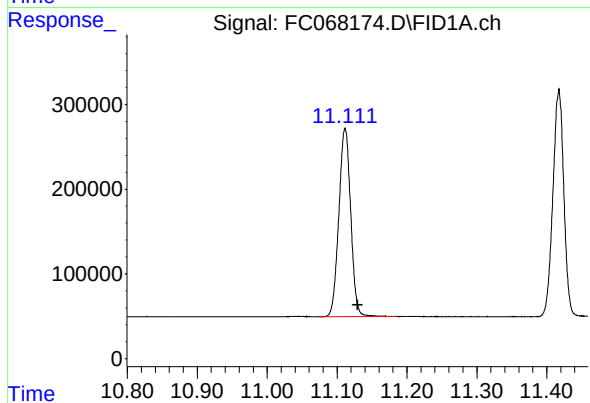
#6 n-Tetradecane (C14)

R.T.: 8.080 min
Delta R.T.: -0.014 min
Response: 2617079
Conc: 19.18 ug/ml



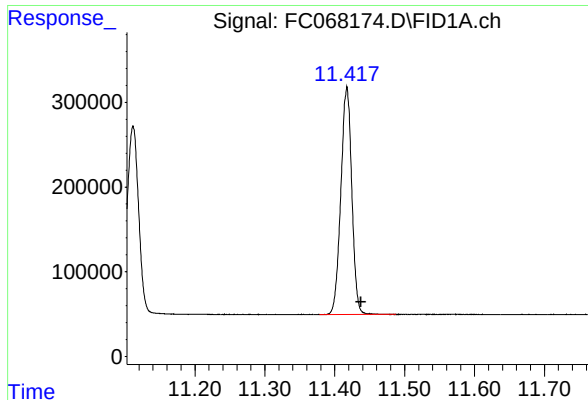
#7 n-Hexadecane (C16)

R.T.: 9.675 min
Delta R.T.: -0.016 min
Response: 2624859
Conc: 18.89 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.111 min
Delta R.T.: -0.018 min
Response: 2619477
Conc: 18.72 ug/ml



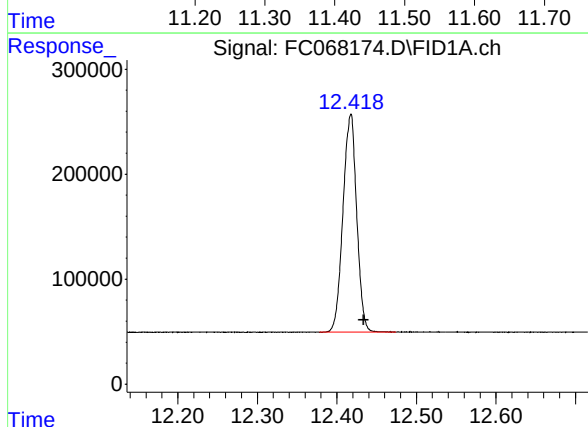
#9 ortho-Terphenyl (SURR)

R.T.: 11.417 min
Delta R.T.: -0.020 min
Response: 2921120
Conc: 18.69 ug/ml

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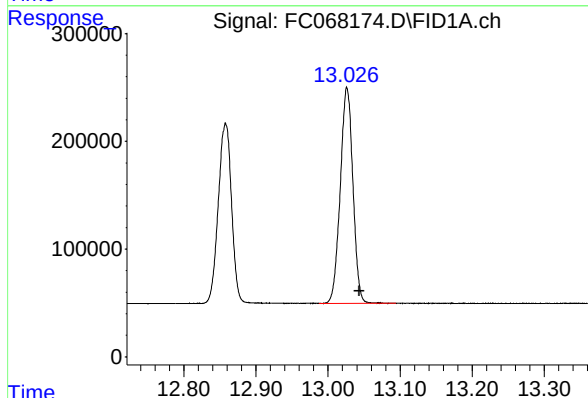
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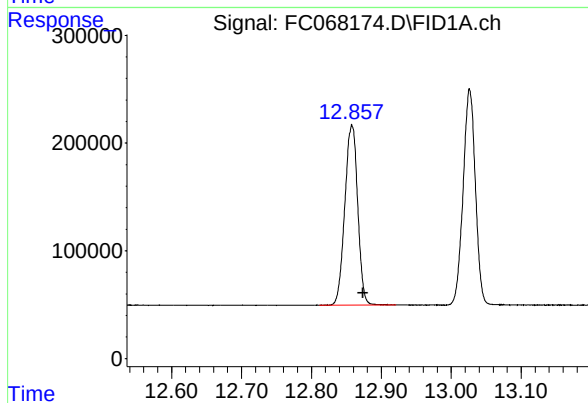
#10 n-Eicosane (C20)

R.T.: 12.417 min
Delta R.T.: -0.017 min
Response: 2492902
Conc: 18.63 ug/ml



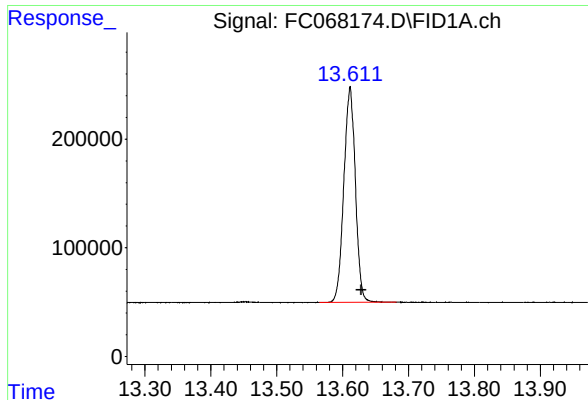
#11 n-Heneicosane (C21)

R.T.: 13.026 min
Delta R.T.: -0.017 min
Response: 2444802
Conc: 18.61 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.858 min
Delta R.T.: -0.016 min
Response: 2141736
Conc: 18.62 ug/ml



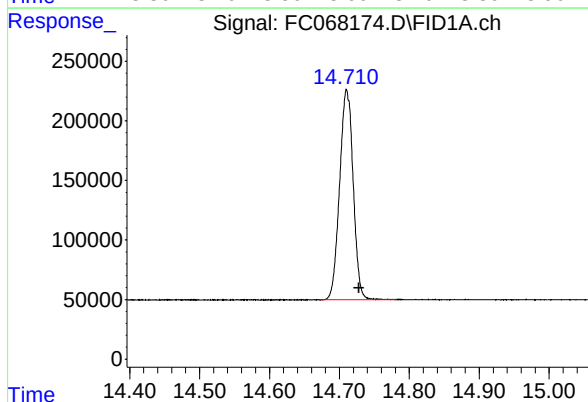
#13 n-Docosane (C22)

R.T.: 13.611 min
Delta R.T.: -0.017 min
Response: 2410670
Conc: 18.61 ug/ml

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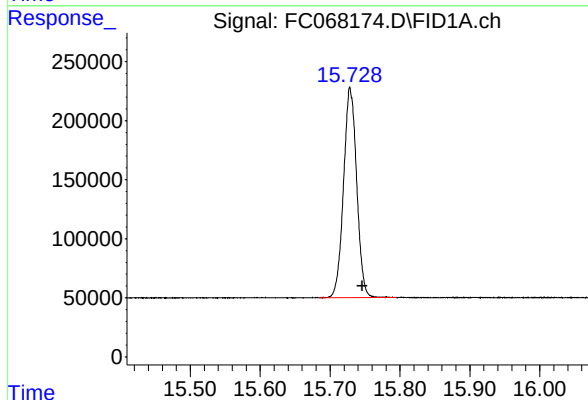
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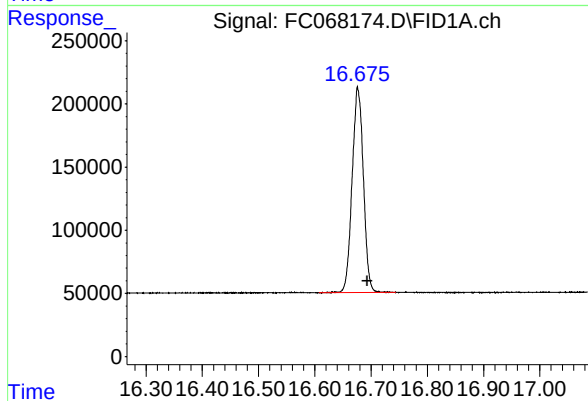
#14 n-Tetracosane (C24)

R.T.: 14.711 min
Delta R.T.: -0.018 min
Response: 2378089
Conc: 18.52 ug/ml



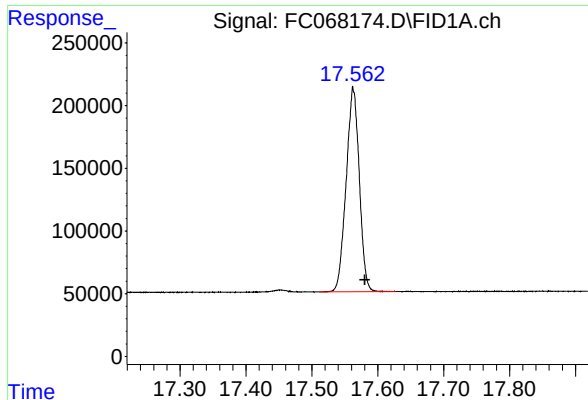
#15 n-Hexacosane (C26)

R.T.: 15.729 min
Delta R.T.: -0.017 min
Response: 2320076
Conc: 18.44 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.677 min
Delta R.T.: -0.017 min
Response: 2254821
Conc: 18.03 ug/ml



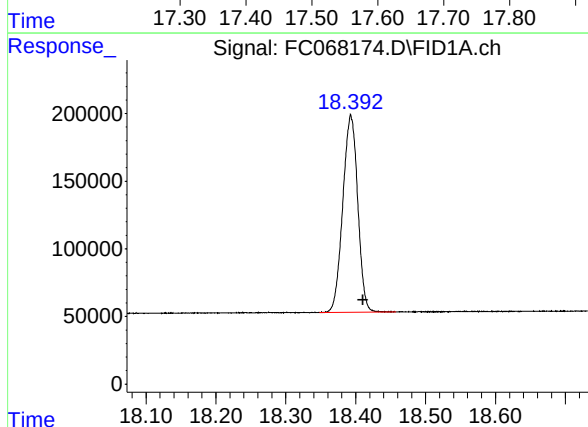
#17 n-Tricontane (C30)

R.T.: 17.563 min
Delta R.T.: -0.018 min
Response: 2257740
Conc: 17.47 ug/ml

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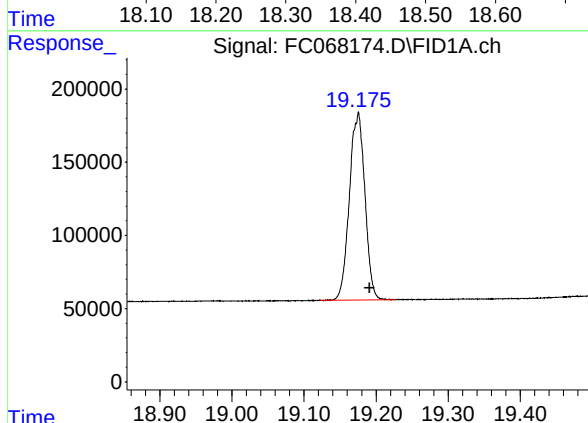
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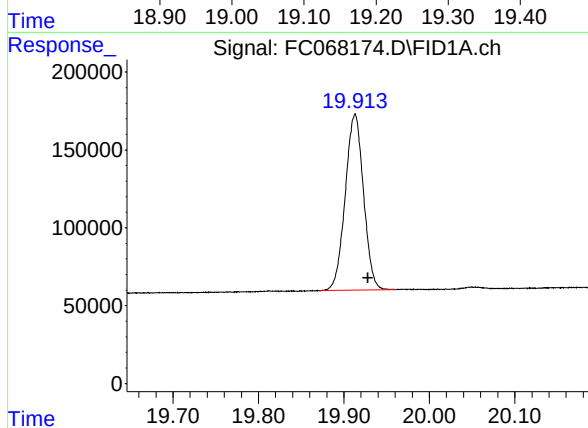
#18 n-Dotriacontane (C32)

R.T.: 18.393 min
Delta R.T.: -0.017 min
Response: 2161217
Conc: 17.29 ug/ml



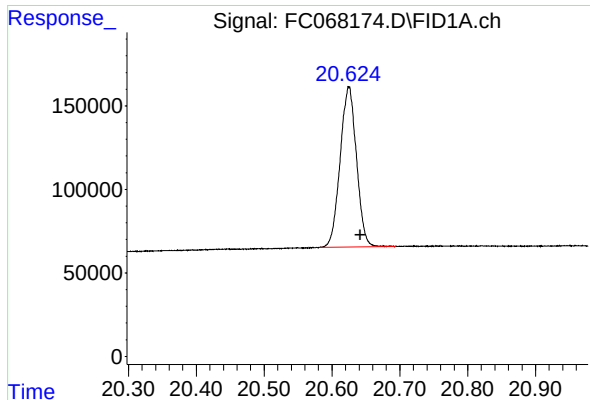
#19 n-Tetatriacontane (C34)

R.T.: 19.174 min
Delta R.T.: -0.017 min
Response: 1914815
Conc: 17.65 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.913 min
Delta R.T.: -0.015 min
Response: 1677915
Conc: 18.13 ug/ml



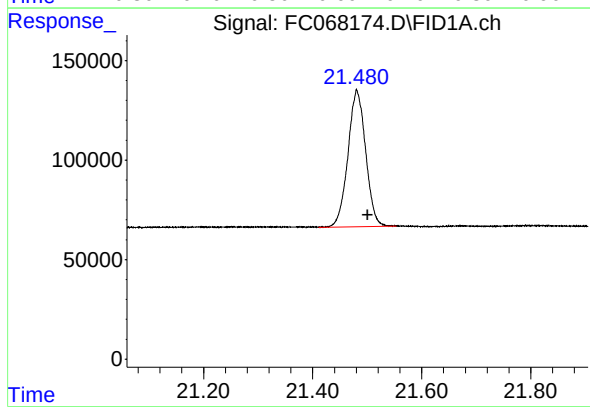
#21 n-Octatriacontane (C38)

R.T.: 20.625 min
Delta R.T.: -0.017 min
Response: 1606047
Conc: 18.74 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.480 min
Delta R.T.: -0.021 min
Response: 1546702
Conc: 19.13 ug/ml m