

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100424AL\
 Data File : FE050523.D
 Signal(s) : FID1B.ch
 Acq On : 04 Oct 2024 20:52
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/07/2024
 Supervised By :Ankita Jodhani 10/07/2024

Integration File: autoint1.e
 Quant Time: Oct 05 00:27:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 091024.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 09 17:11:47 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)	11.862	2959046	19.889 ug/ml
Spiked Amount 50.000		Recovery =	39.78%
12) S 1-chlorooctadecane (S...	13.295	2240052	19.942 ug/ml
Spiked Amount 50.000		Recovery =	39.88%
Target Compounds			
1) T n-Nonane (C9)	3.251	2673858	19.727 ug/ml
2) T n-Decane (C10)	4.502	2732248	19.797 ug/ml
3) T A~Naphthalene (C11.7)	6.212	2794597	19.966 ug/ml
4) T n-Dodecane (C12)	6.669	2757638	19.942 ug/ml
5) T A~2-methylnaphthalene...	7.308	2587414	19.685 ug/ml
6) T n-Tetradecane (C14)	8.495	2717556	19.957 ug/mlm
7) T n-Hexadecane (C16)	10.101	2793283	20.110 ug/ml
8) T n-Octadecane (C18)	11.543	2811969	20.071 ug/ml
10) T n-Eicosane (C20)	12.850	2669324	19.899 ug/ml
11) T n-Heneicosane (C21)	13.461	2622642	19.960 ug/ml
13) T n-Docosane (C22)	14.046	2598081	19.952 ug/ml
14) T n-Tetracosane (C24)	15.148	2604429	19.943 ug/ml
15) T n-Hexacosane (C26)	16.167	2564625	20.046 ug/ml
16) T n-Octacosane (C28)	17.116	2621687	20.353 ug/mlm
17) T n-Tricontane (C30)	18.003	2785432	20.830 ug/ml
18) T n-Dotriacontane (C32)	18.834	2801711	21.025 ug/ml
19) T n-Tetratriacontane (C34)	19.616	2549605	20.634 ug/ml
20) T n-Hexatriacontane (C36)	20.356	2303113	20.758 ug/ml
21) T n-Octatriacontane (C38)	21.079	2117152	19.198 ug/ml
22) T n-Tetracontane (C40)	21.962	1817862	16.706 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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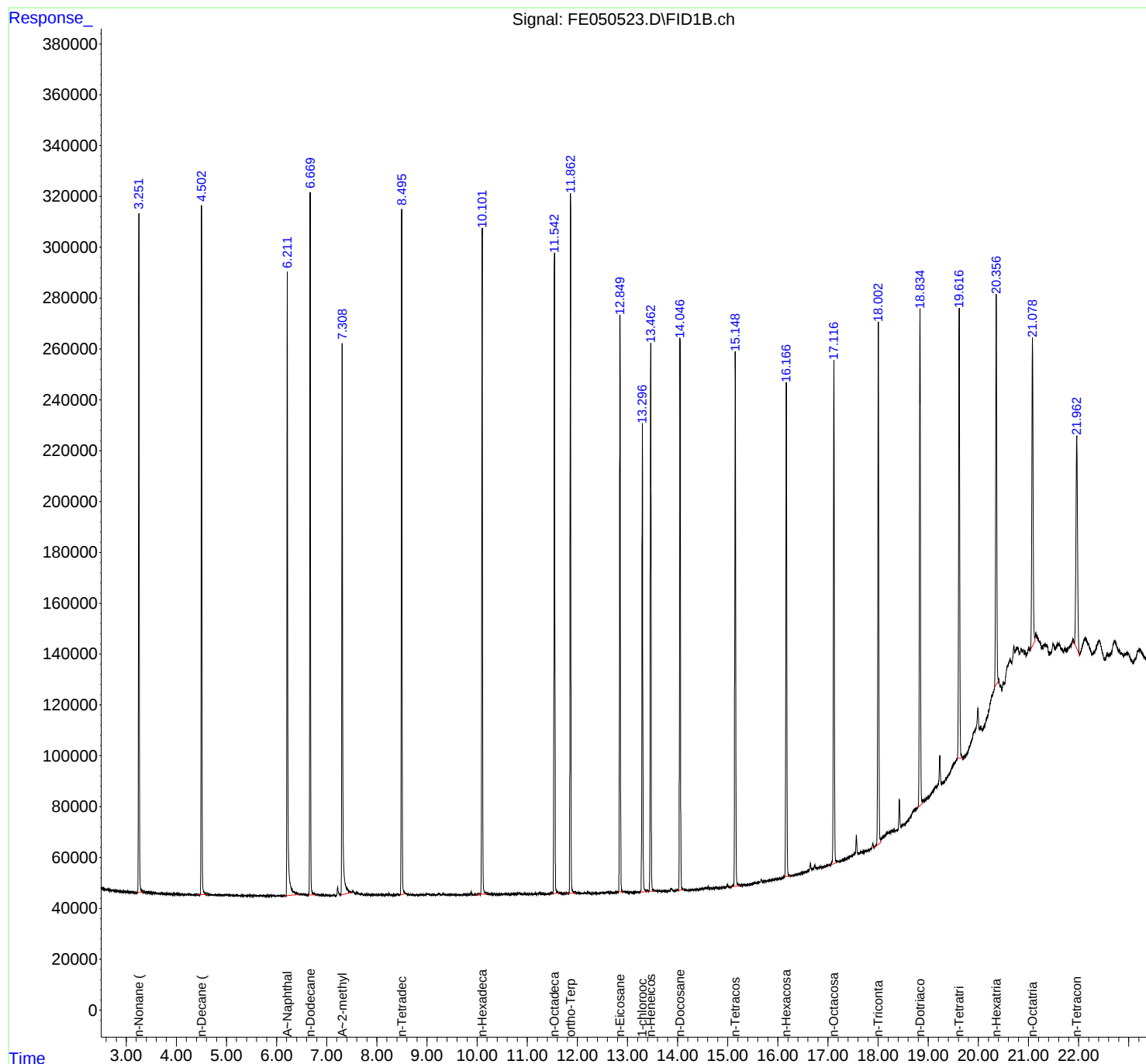
Instrument :
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20 PPM ALIPHATIC HC STD

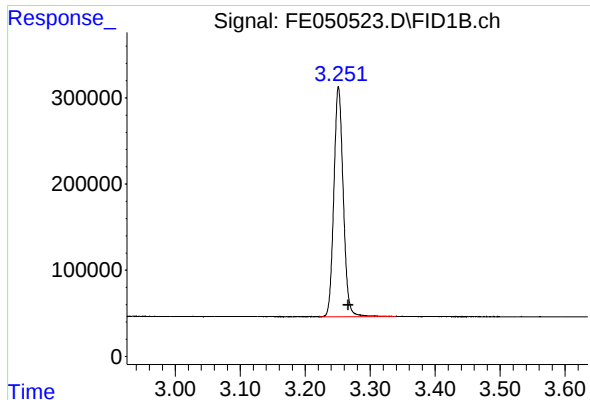
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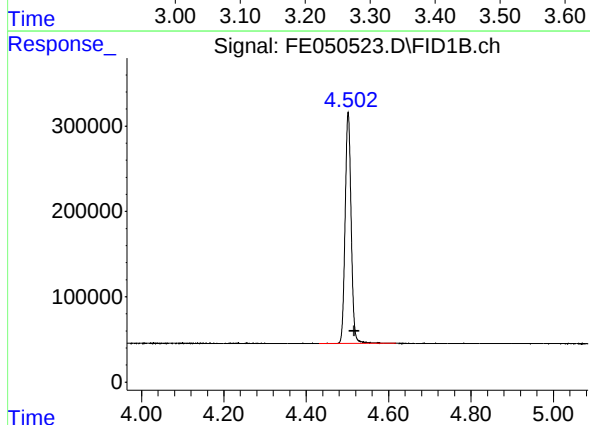
#1 n-Nonane (C9)

R.T.: 3.251 min
Delta R.T.: -0.015 min
Response: 2673858
Conc: 19.73 ug/ml

Instrument :
FID_E
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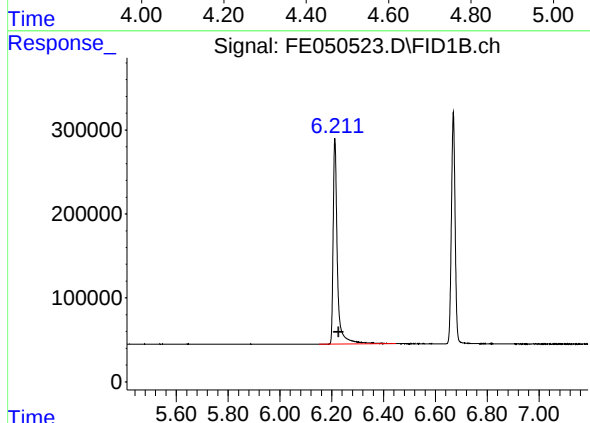
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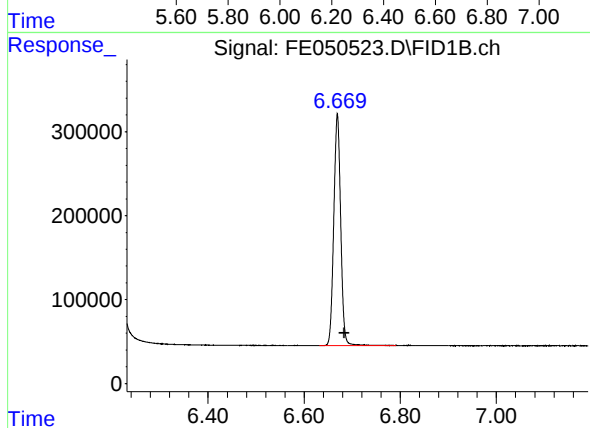
#2 n-Decane (C10)

R.T.: 4.502 min
Delta R.T.: -0.015 min
Response: 2732248
Conc: 19.80 ug/ml



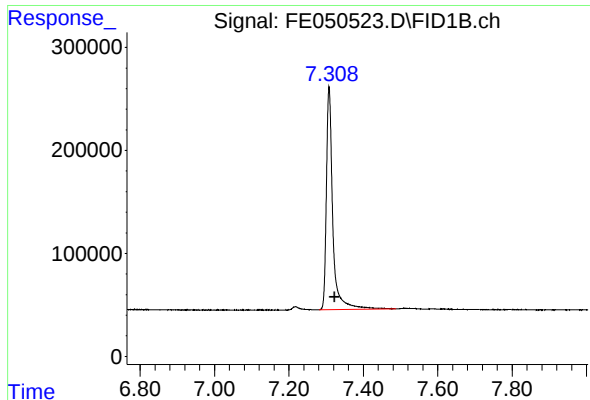
#3 A~Naphthalene (C11.7)

R.T.: 6.212 min
Delta R.T.: -0.015 min
Response: 2794597
Conc: 19.97 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.669 min
Delta R.T.: -0.015 min
Response: 2757638
Conc: 19.94 ug/ml



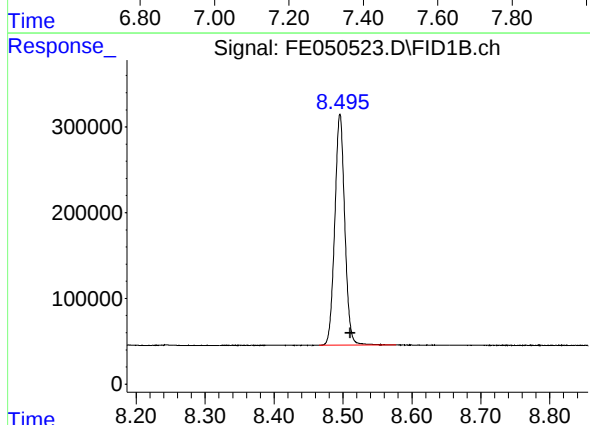
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.308 min
Delta R.T.: -0.015 min
Response: 2587414
Conc: 19.69 ug/ml

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20 PPM ALIPHATIC HC STD

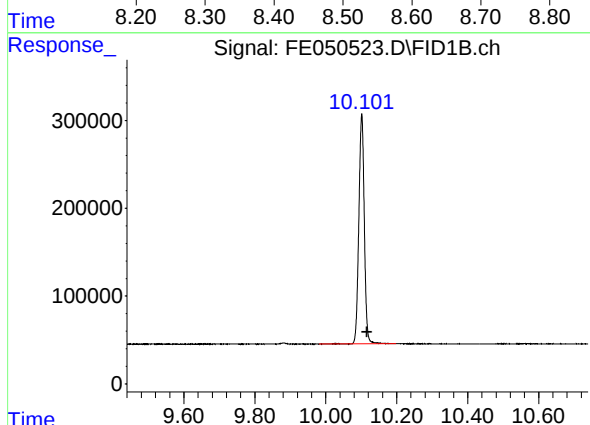
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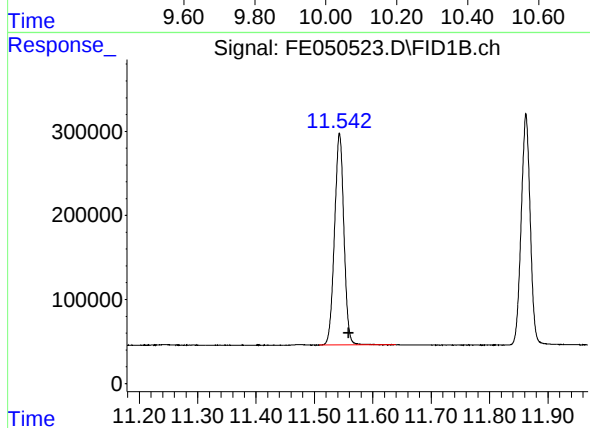
#6 n-Tetradecane (C14)

R.T.: 8.495 min
Delta R.T.: -0.015 min
Response: 2717556
Conc: 19.96 ug/ml m



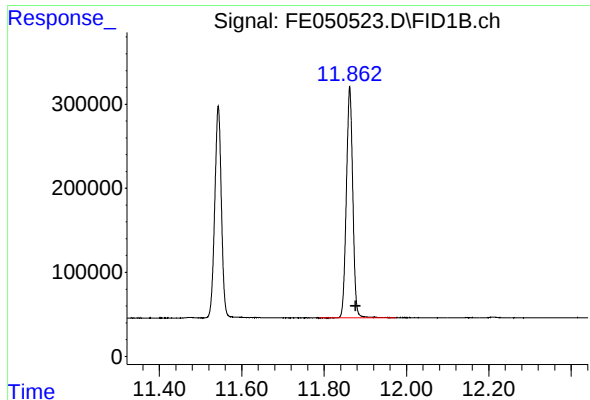
#7 n-Hexadecane (C16)

R.T.: 10.101 min
Delta R.T.: -0.016 min
Response: 2793283
Conc: 20.11 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.543 min
Delta R.T.: -0.016 min
Response: 2811969
Conc: 20.07 ug/ml



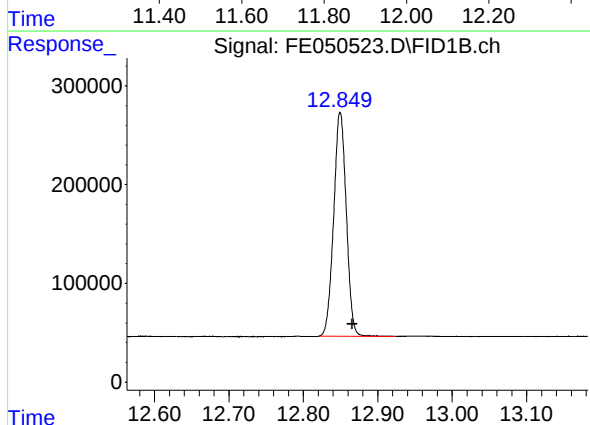
#9 ortho-Terphenyl (SURR)

R.T.: 11.862 min
Delta R.T.: -0.014 min
Response: 2959046
Conc: 19.89 ug/ml

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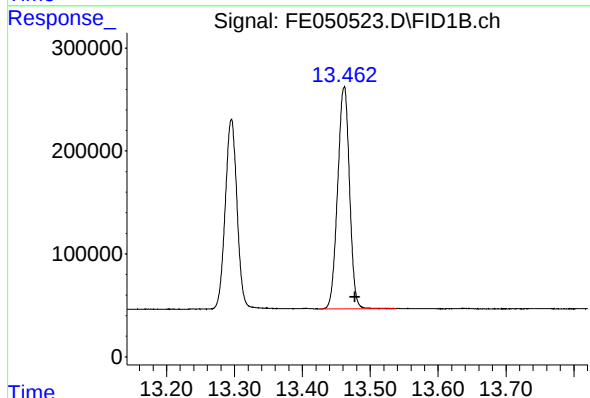
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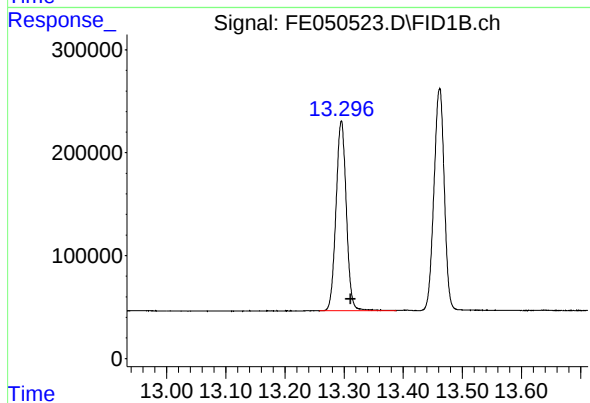
#10 n-Eicosane (C20)

R.T.: 12.850 min
Delta R.T.: -0.016 min
Response: 2669324
Conc: 19.90 ug/ml



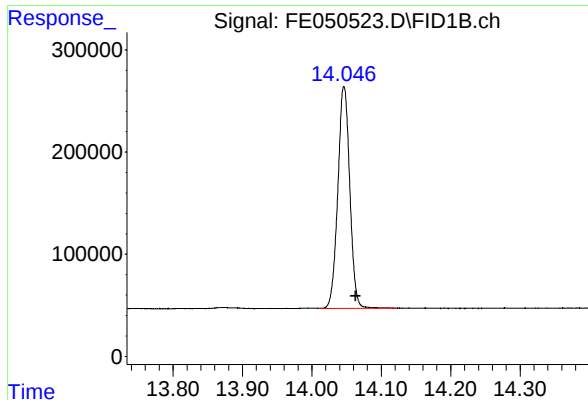
#11 n-Heneicosane (C21)

R.T.: 13.461 min
Delta R.T.: -0.016 min
Response: 2622642
Conc: 19.96 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.295 min
Delta R.T.: -0.016 min
Response: 2240052
Conc: 19.94 ug/ml



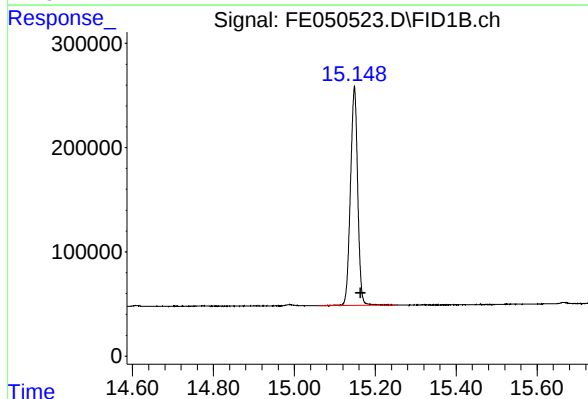
#13 n-Docosane (C22)

R.T.: 14.046 min
Delta R.T.: -0.016 min
Response: 2598081
Conc: 19.95 ug/ml

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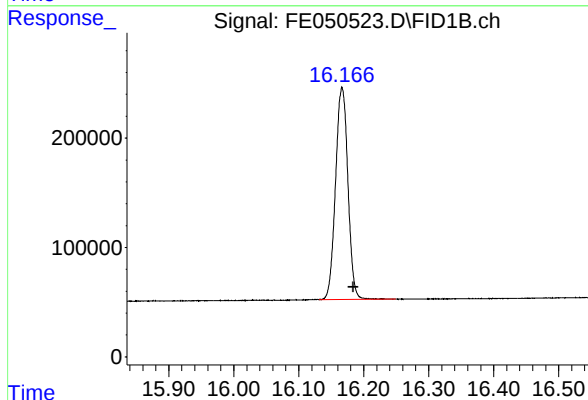
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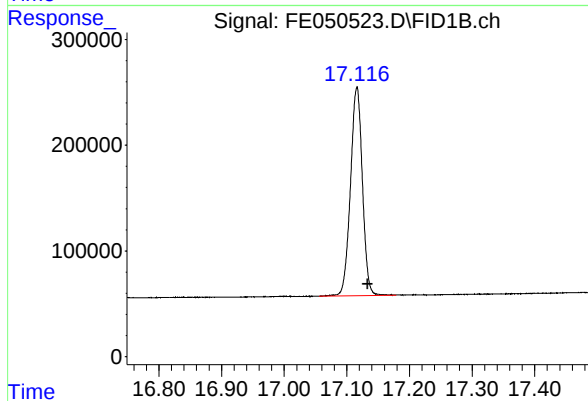
#14 n-Tetracosane (C24)

R.T.: 15.148 min
Delta R.T.: -0.016 min
Response: 2604429
Conc: 19.94 ug/ml



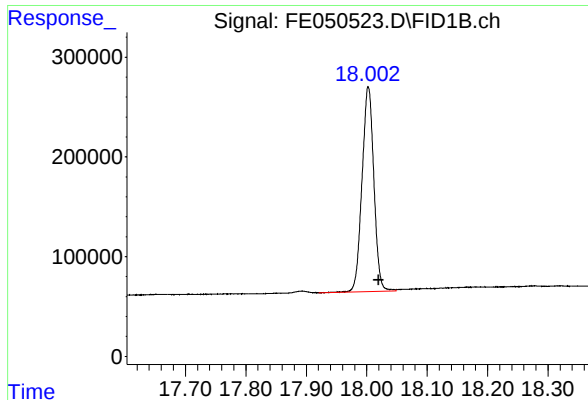
#15 n-Hexacosane (C26)

R.T.: 16.167 min
Delta R.T.: -0.017 min
Response: 2564625
Conc: 20.05 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.116 min
Delta R.T.: -0.017 min
Response: 2621687
Conc: 20.35 ug/ml m



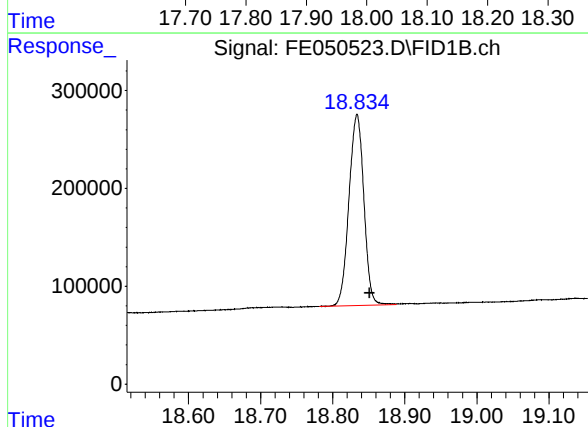
#17 n-Tricontane (C30)

R.T.: 18.003 min
Delta R.T.: -0.017 min
Response: 2785432
Conc: 20.83 ug/ml

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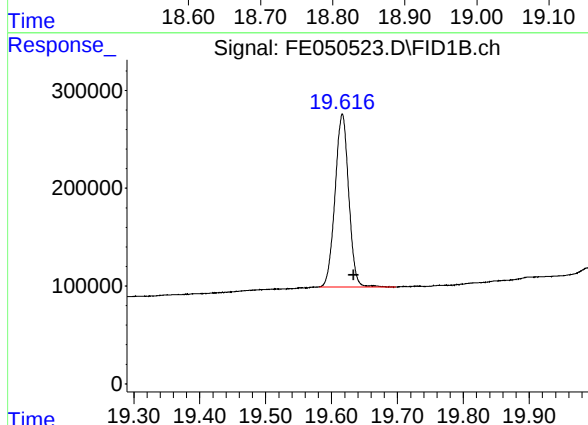
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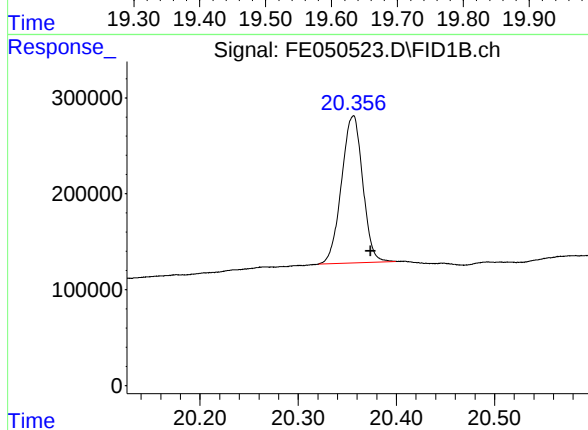
#18 n-Dotriacontane (C32)

R.T.: 18.834 min
Delta R.T.: -0.017 min
Response: 2801711
Conc: 21.02 ug/ml



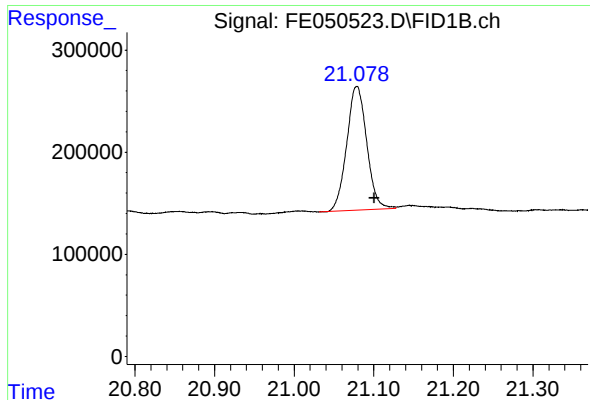
#19 n-Tetratriacontane (C34)

R.T.: 19.616 min
Delta R.T.: -0.017 min
Response: 2549605
Conc: 20.63 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.356 min
Delta R.T.: -0.018 min
Response: 2303113
Conc: 20.76 ug/ml



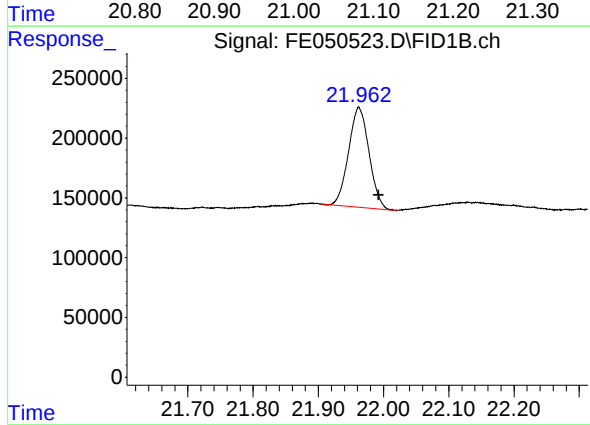
#21 n-Octatriacontane (C38)

R.T.: 21.079 min
Delta R.T.: -0.022 min
Response: 2117152
Conc: 19.20 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 21.962 min
Delta R.T.: -0.030 min
Response: 1817862
Conc: 16.71 ug/ml