

Initial Calibration Report for SequenceID : FG082825AL

AreaCount

Parameter Range	FG016428.D	FG016429.D	FG016430.D	FG016431.D	FG016432.D	
Aliphatic C9-C12	32506303.000	16595078.000	6814891.000	3526302.000	1854481.000	
Aliphatic C12-C16	22138335.000	11327634.000	4642168.000	2411799.000	1262554.000	
Aliphatic C16-C21	33072025.000	16981194.000	6965557.000	3621712.000	1906604.000	
Aliphatic C21-C28	41856362.000	21556838.000	8838591.000	4591747.000	2424798.000	
Aliphatic C28-C40	49881138.000	25753182.000	10779544.000	5663649.000	3036570.000	
Aliphatic EPH	179454163.000	92213926.000	38040751.000	19815209.000	10485007.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	114749.0359996	5.263				
Aliphatic C12-C16	117373.513	5.259				
Aliphatic C16-C21	117474.265333	5.643				
Aliphatic C21-C28	111788.2115	5.783				
Aliphatic C28-C40	90884.3706666	7.89				
Aliphatic EPH	106881.9999994	6.196				

Concentration

Parameter Range	FG016428.D	FG016429.D	FG016430.D	FG016431.D	FG016432.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FG016428.D	FG016429.D	FG016430.D	FG016431.D	FG016432.D	
Aliphatic C9-C12	108354.343333	110633.853333	113581.516666	117543.400000	123632.066666	
Aliphatic C12-C16	110691.675000	113276.340000	116054.200000	120589.950000	126255.400000	
Aliphatic C16-C21	110240.083333	113207.960000	116092.616666	120723.733333	127106.933333	

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Aliphatic C21-C28	104640.905000	107784.190000	110482.387500	114793.675000	121239.900000	
Aliphatic C28-C40	83135.230000	85843.940000	89829.533333	94394.150000	101219.000000	
Aliphatic EPH	99696.757222	102459.917777	105668.752777	110084.494444	116500.077777	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016428.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 09:33
 Operator : YP\AJ
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
 Quant Time: Aug 28 11:14:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 11:12:40 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)	12.087	12456348	97.424 ug/ml
Spiked Amount 50.000		Recovery =	194.85%
12) S 1-chlorooctadecane (S...	13.529	9489485	97.617 ug/ml
Spiked Amount 50.000		Recovery =	195.23%
Target Compounds			
1) T n-Nonane (C9)	3.398	10659824	97.526 ug/ml
2) T n-Decane (C10)	4.661	10873395	97.723 ug/ml
3) T A~Naphthalene (C11.7)	6.383	11793800	97.426 ug/ml
4) T n-Dodecane (C12)	6.843	10973084	97.683 ug/ml
5) T A~2-methylnaphthalene...	7.487	11519297	98.209 ug/ml
6) T n-Tetradecane (C14)	8.685	10896406	97.677 ug/ml
7) T n-Hexadecane (C16)	10.305	11241929	97.594 ug/ml
8) T n-Octadecane (C18)	11.761	11351104	97.443 ug/ml
10) T n-Eicosane (C20)	13.079	10939524	97.356 ug/ml
11) T n-Heneicosane (C21)	13.696	10781397	97.443 ug/ml
13) T n-Docosane (C22)	14.287	10721937	97.401 ug/ml
14) T n-Tetracosane (C24)	15.399	10647988	97.288 ug/ml
15) T n-Hexacosane (C26)	16.427	10397332	97.228 ug/ml
16) T n-Octacosane (C28)	17.383	10089105	97.216 ug/ml
17) T n-Tricontane (C30)	18.277	10037248	96.439 ug/ml
18) T n-Dotriacontane (C32)	19.114	9522175	95.802 ug/ml
19) T n-Tetratriacontane (C34)	19.903	8736024	95.968 ug/ml
20) T n-Hexatriacontane (C36)	20.646	7675633	96.112 ug/ml
21) T n-Octatriacontane (C38)	21.434	7084807	96.306 ug/ml
22) T n-Tetracontane (C40)	22.435	6825251	96.179 ug/ml

(f)=RT Delta > 1/2 Window

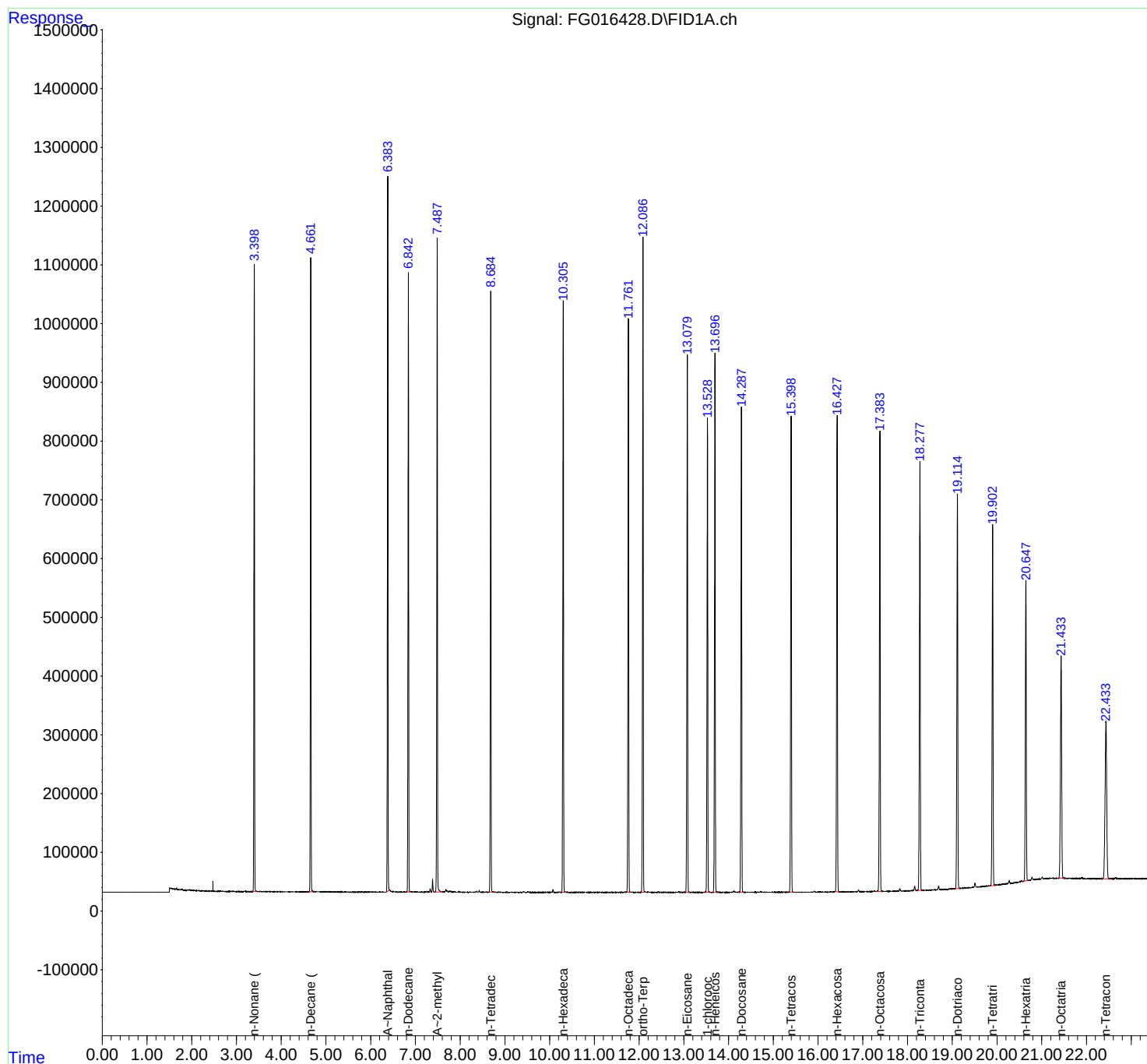
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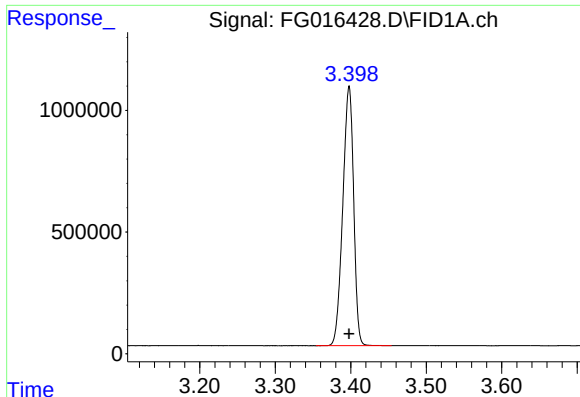
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Data File : FG016428.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 09:33
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Aug 28 11:14:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 11:12:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

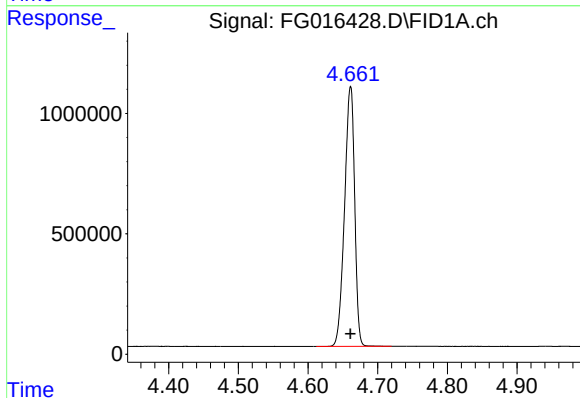




#1 n-Nonane (C9)

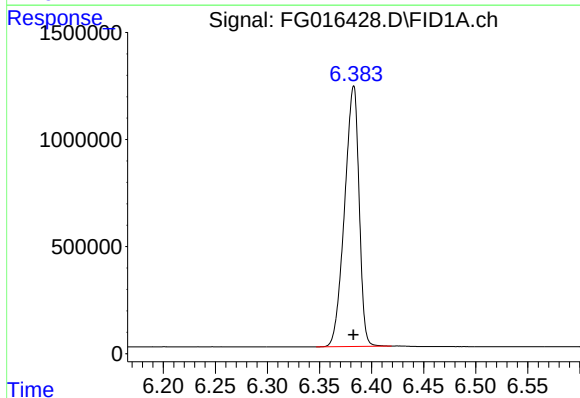
R.T.: 3.398 min
Delta R.T.: 0.000 min
Response: 10659824
Conc: 97.53 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



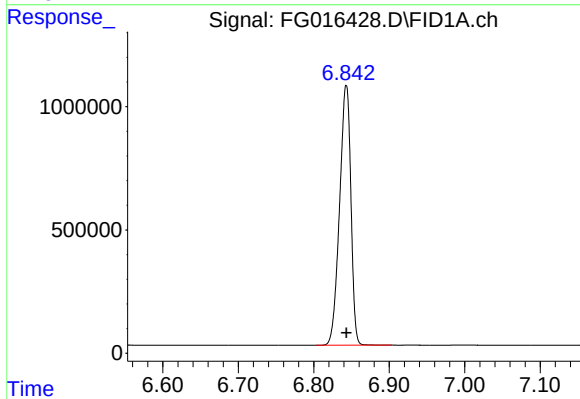
#2 n-Decane (C10)

R.T.: 4.661 min
Delta R.T.: 0.000 min
Response: 10873395
Conc: 97.72 ug/ml



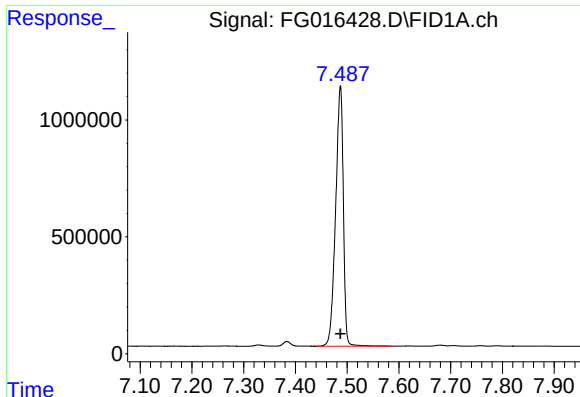
#3 A~Naphthalene (C11.7)

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 11793800
Conc: 97.43 ug/ml



#4 n-Dodecane (C12)

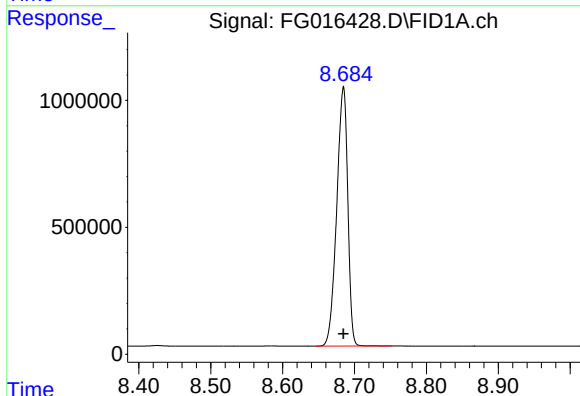
R.T.: 6.843 min
Delta R.T.: 0.000 min
Response: 10973084
Conc: 97.68 ug/ml



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

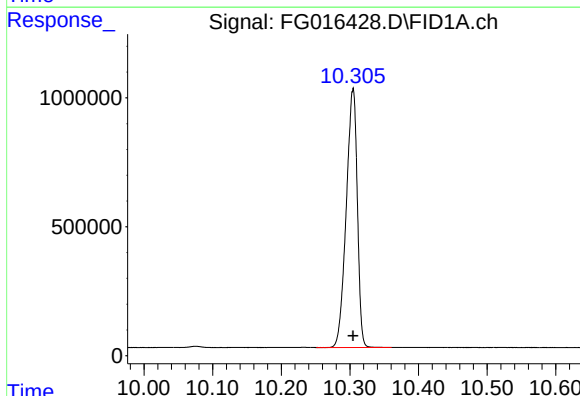
R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 11519297
Conc: 98.21 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



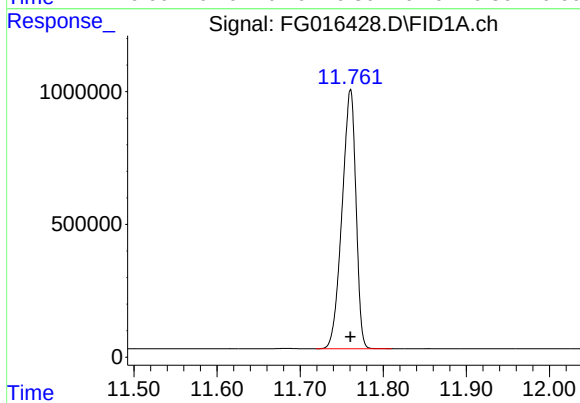
#6 n-Tetradecane (C14)

R.T.: 8.685 min
Delta R.T.: 0.000 min
Response: 10896406
Conc: 97.68 ug/ml



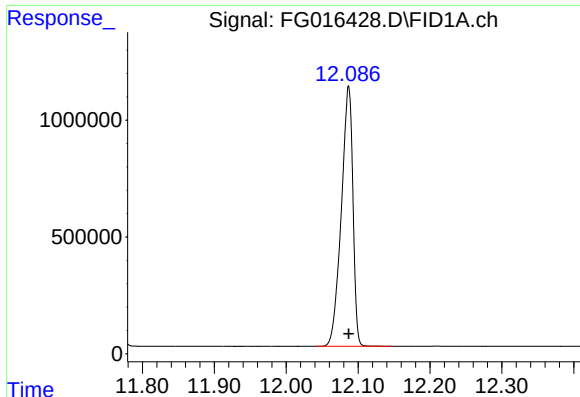
#7 n-Hexadecane (C16)

R.T.: 10.305 min
Delta R.T.: 0.000 min
Response: 11241929
Conc: 97.59 ug/ml



#8 n-Octadecane (C18)

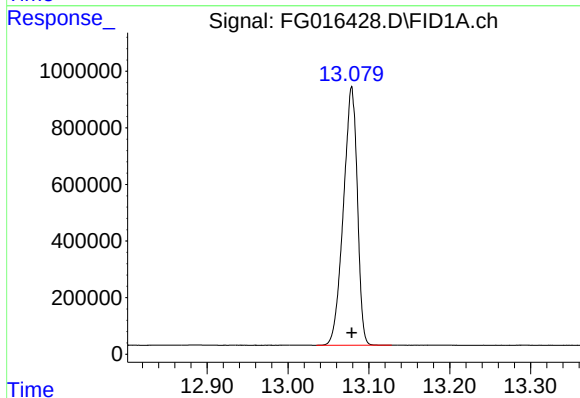
R.T.: 11.761 min
Delta R.T.: 0.000 min
Response: 11351104
Conc: 97.44 ug/ml



#9 ortho-Terphenyl (SURR)

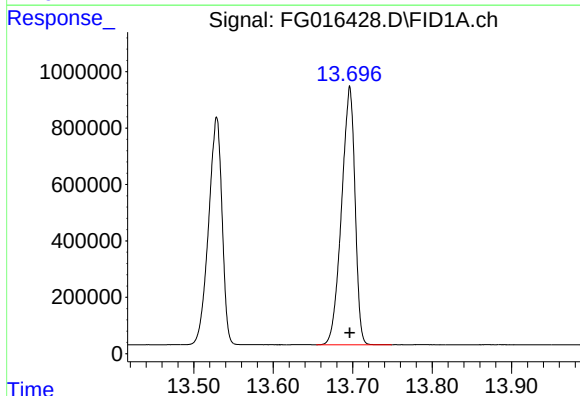
R.T.: 12.087 min
Delta R.T.: 0.000 min
Response: 12456348
Conc: 97.42 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



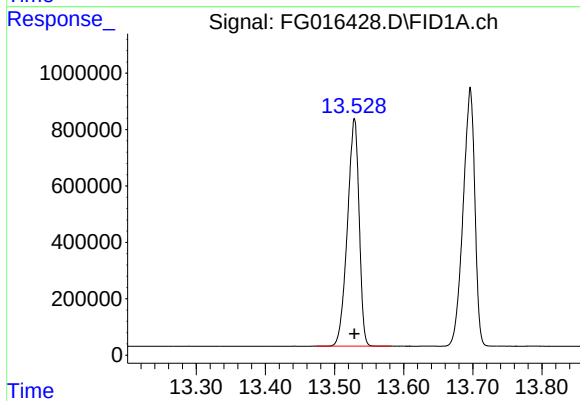
#10 n-Eicosane (C20)

R.T.: 13.079 min
Delta R.T.: 0.000 min
Response: 10939524
Conc: 97.36 ug/ml



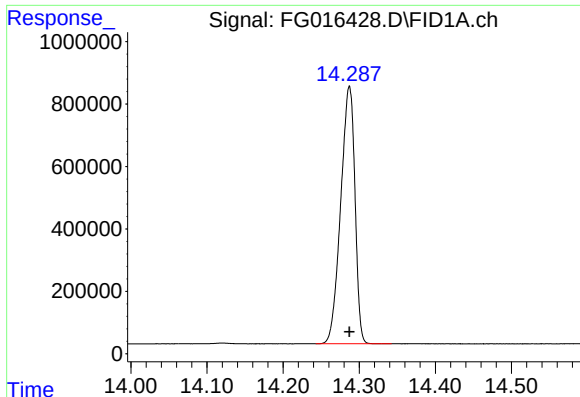
#11 n-Heneicosane (C21)

R.T.: 13.696 min
Delta R.T.: 0.000 min
Response: 10781397
Conc: 97.44 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.529 min
Delta R.T.: 0.000 min
Response: 9489485
Conc: 97.62 ug/ml



#13 n-Docosane (C22)

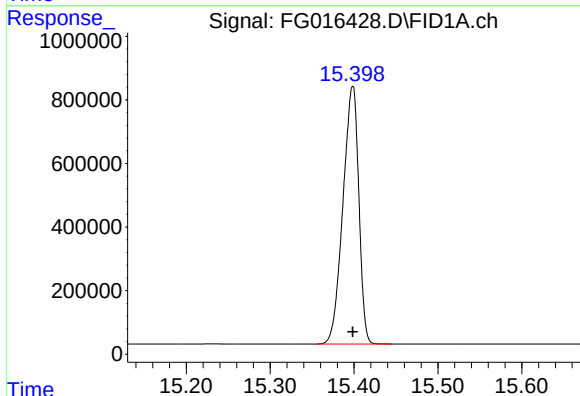
R.T.: 14.287 min
Delta R.T.: 0.000 min
Response: 10721937
Conc: 97.40 ug/ml

Instrument :

FID_G

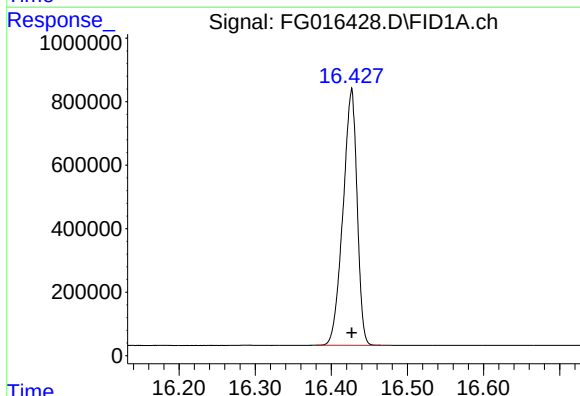
ClientSampleId :

100 PPM ALIPHATIC HC STD1



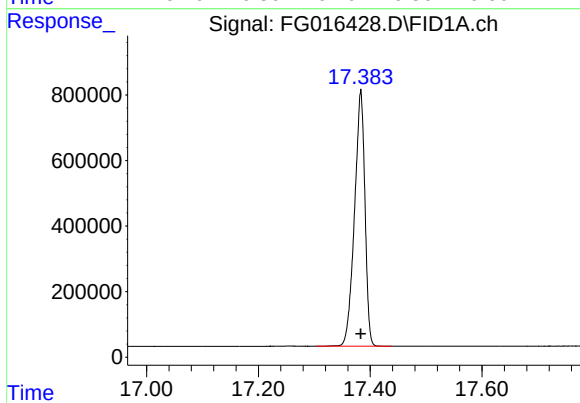
#14 n-Tetracosane (C24)

R.T.: 15.399 min
Delta R.T.: 0.000 min
Response: 10647988
Conc: 97.29 ug/ml



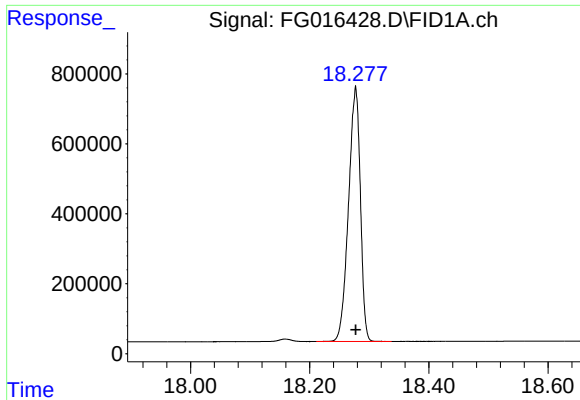
#15 n-Hexacosane (C26)

R.T.: 16.427 min
Delta R.T.: 0.000 min
Response: 10397332
Conc: 97.23 ug/ml



#16 n-Octacosane (C28)

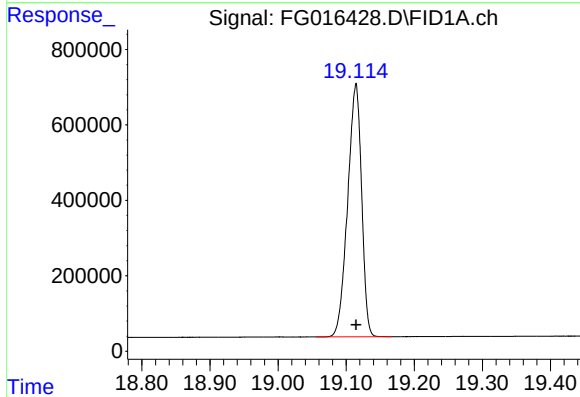
R.T.: 17.383 min
Delta R.T.: 0.000 min
Response: 10089105
Conc: 97.22 ug/ml



#17 n-Tricontane (C30)

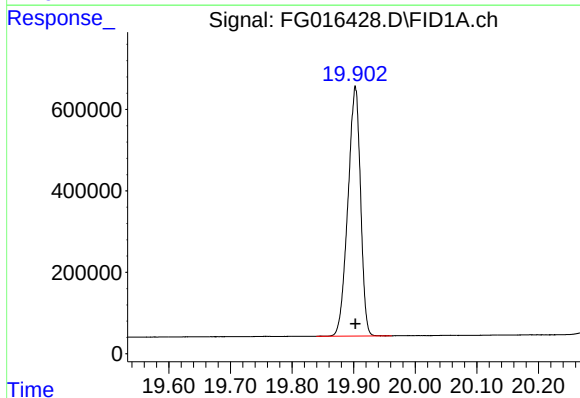
R.T.: 18.277 min
Delta R.T.: 0.000 min
Response: 10037248
Conc: 96.44 ug/ml

Instrument :
FID_G
ClientSampleId :
100 PPM ALIPHATIC HC STD1



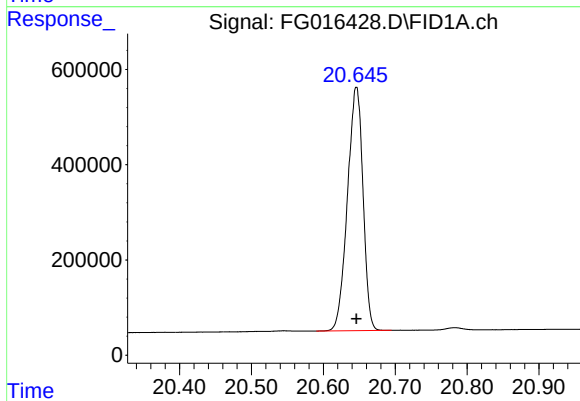
#18 n-Dotriacontane (C32)

R.T.: 19.114 min
Delta R.T.: 0.000 min
Response: 9522175
Conc: 95.80 ug/ml



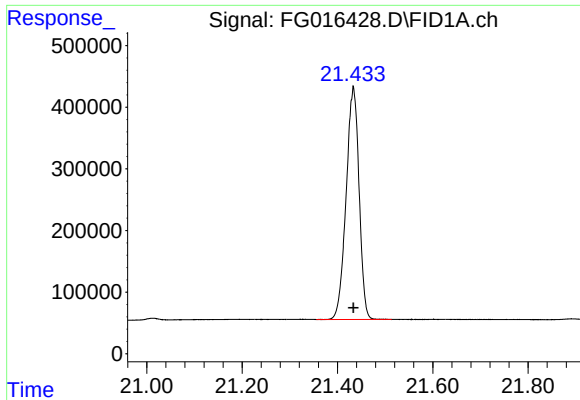
#19 n-Tetratriacontane (C34)

R.T.: 19.903 min
Delta R.T.: 0.000 min
Response: 8736024
Conc: 95.97 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.646 min
Delta R.T.: 0.000 min
Response: 7675633
Conc: 96.11 ug/ml



#21 n-Octatriacontane (C38)

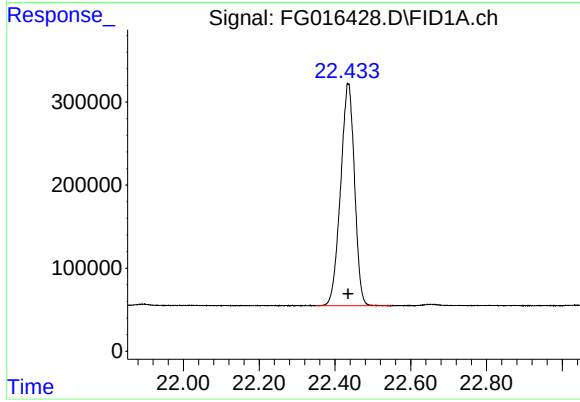
R.T.: 21.434 min
Delta R.T.: 0.000 min
Response: 7084807
Conc: 96.31 ug/ml

Instrument :

FID_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.435 min
Delta R.T.: 0.000 min
Response: 6825251
Conc: 96.18 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016428.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 09:33
 Sample : 100 PPM ALIPHATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.398	3.354	3.454	BB	1065784	10659824	85.58%	4.744%
2	4.661	4.612	4.720	BB	1079497	10873395	87.29%	4.839%
3	6.383	6.347	6.419	BV	1216071	11793800	94.68%	5.248%
4	6.843	6.803	6.903	BB	1053731	10973084	88.09%	4.883%
5	7.487	7.440	7.586	BB	1112479	11519297	92.48%	5.126%
6	8.685	8.647	8.752	BB	1024081	10896406	87.48%	4.849%
7	10.305	10.251	10.361	BB	1008203	11241929	90.25%	5.003%
8	11.761	11.719	11.810	BB	976260	11351104	91.13%	5.051%
9	12.087	12.042	12.147	BB	1115143	12456348	100.00%	5.543%
10	13.079	13.035	13.128	BB	912764	10939524	87.82%	4.868%
11	13.529	13.473	13.583	BB	805563	9489485	76.18%	4.223%
12	13.696	13.654	13.749	BB	916221	10781397	86.55%	4.798%
13	14.287	14.243	14.343	BB	826921	10721937	86.08%	4.771%
14	15.399	15.355	15.445	BB	810582	10647988	85.48%	4.738%
15	16.427	16.380	16.479	BB	808008	10397332	83.47%	4.627%
16	17.383	17.303	17.438	BB	783703	10089105	81.00%	4.490%
17	18.277	18.211	18.338	BB	728530	10037248	80.58%	4.467%
18	19.114	19.056	19.167	BB	670694	9522175	76.44%	4.237%
19	19.903	19.839	19.962	BB	613571	8736024	70.13%	3.888%
20	20.646	20.590	20.695	BB	511168	7675633	61.62%	3.416%
21	21.434	21.355	21.514	BB	378260	7084807	56.88%	3.153%
22	22.435	22.350	22.550	BBA	266305	6825251	54.79%	3.037%
Sum of corrected areas:						224713092		

Aliphatic EPH 082825.M Thu Aug 28 12:38:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016429.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 10:02
 Operator : YP\AJ
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
 Quant Time: Aug 28 11:16:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 11:12:40 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)	12.081	6396961	50.021 ug/ml
Spiked Amount 50.000		Recovery =	100.04%
12) S 1-chlorooctadecane (S...	13.525	4872054	50.079 ug/ml
Spiked Amount 50.000		Recovery =	100.16%
Target Compounds			
1) T n-Nonane (C9)	3.396	5441270	49.854 ug/ml
2) T n-Decane (C10)	4.658	5547230	49.903 ug/ml
3) T A~Naphthalene (C11.7)	6.379	6076964	50.133 ug/ml
4) T n-Dodecane (C12)	6.840	5606578	49.940 ug/ml
5) T A~2-methylnaphthalene...	7.483	5875988	50.064 ug/ml
6) T n-Tetradecane (C14)	8.681	5566677	49.934 ug/ml
7) T n-Hexadecane (C16)	10.301	5760957	50.008 ug/ml
8) T n-Octadecane (C18)	11.755	5825525	50.006 ug/ml
10) T n-Eicosane (C20)	13.075	5620589	50.013 ug/ml
11) T n-Heneicosane (C21)	13.692	5535080	50.018 ug/ml
13) T n-Docosane (C22)	14.282	5516812	50.077 ug/ml
14) T n-Tetracosane (C24)	15.395	5482557	50.062 ug/ml
15) T n-Hexacosane (C26)	16.423	5356075	50.057 ug/ml
16) T n-Octacosane (C28)	17.379	5201394	50.079 ug/ml
17) T n-Tricontane (C30)	18.273	5182510	49.863 ug/ml
18) T n-Dotriacontane (C32)	19.110	4921339	49.675 ug/ml
19) T n-Tetratriacontane (C34)	19.899	4512847	49.716 ug/ml
20) T n-Hexatriacontane (C36)	20.643	3957606	49.703 ug/ml
21) T n-Octatriacontane (C38)	21.430	3650560	49.748 ug/ml
22) T n-Tetracontane (C40)	22.430	3528320	49.813 ug/ml

(f)=RT Delta > 1/2 Window

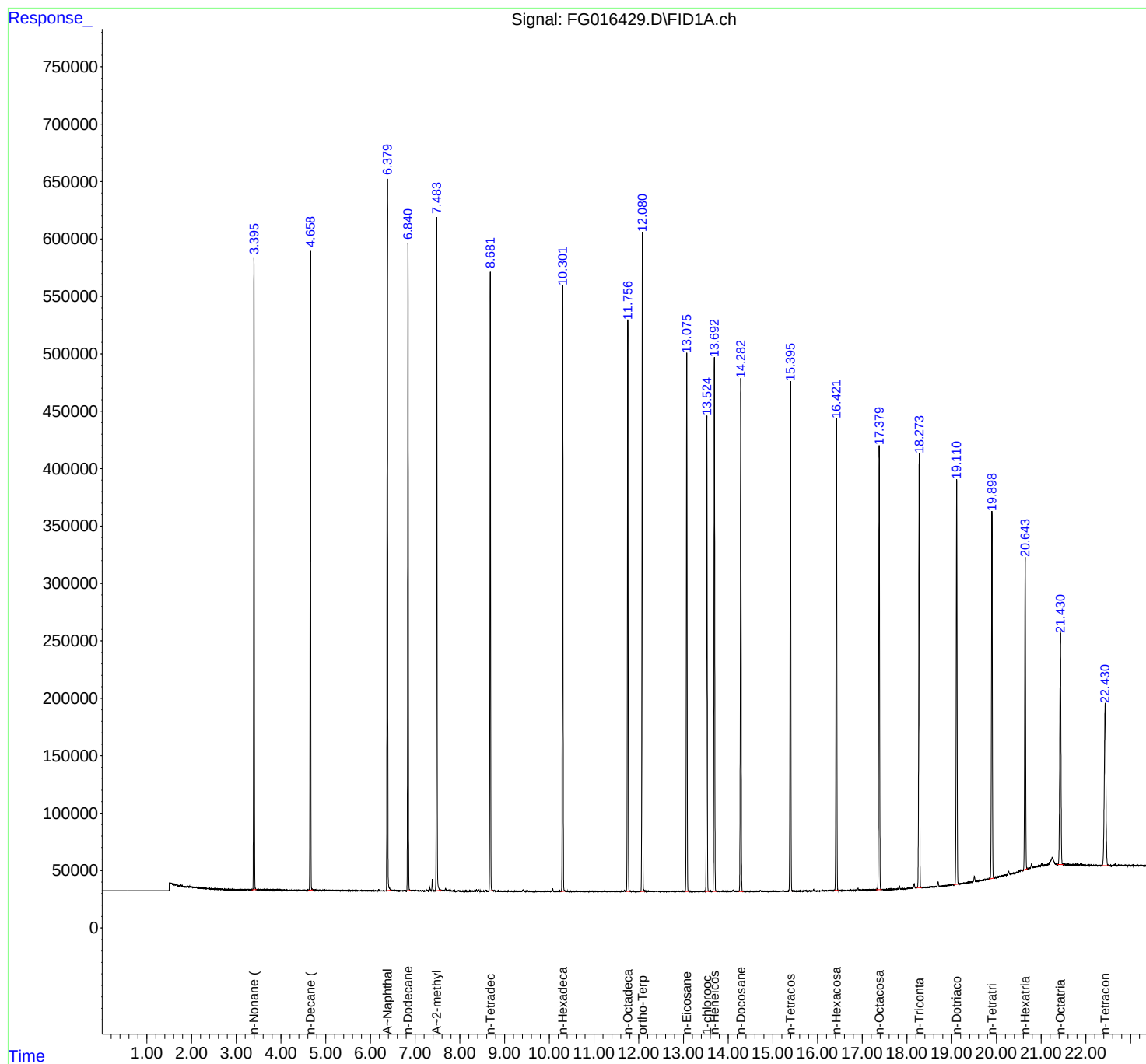
(m)=manual int.

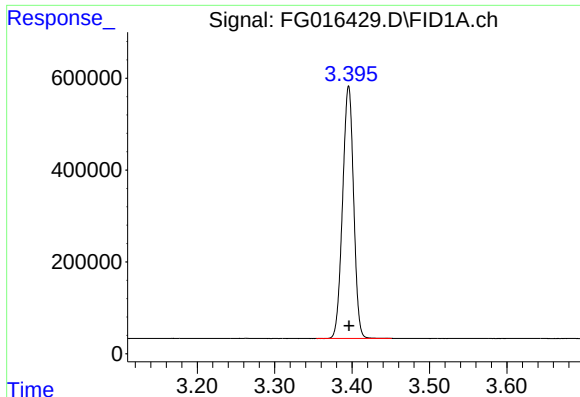
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
Data File : FG016429.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 10:02
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Aug 28 11:16:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 11:12:40 2025
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Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

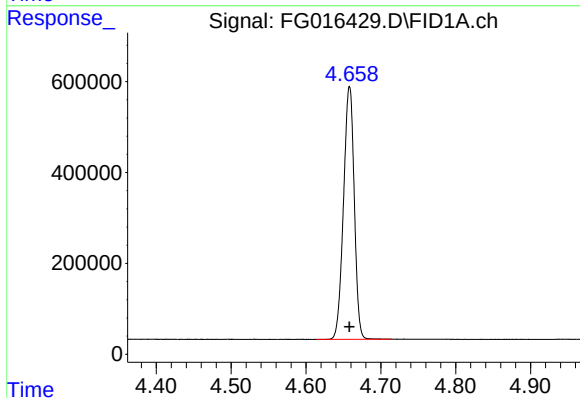




#1 n-Nonane (C9)

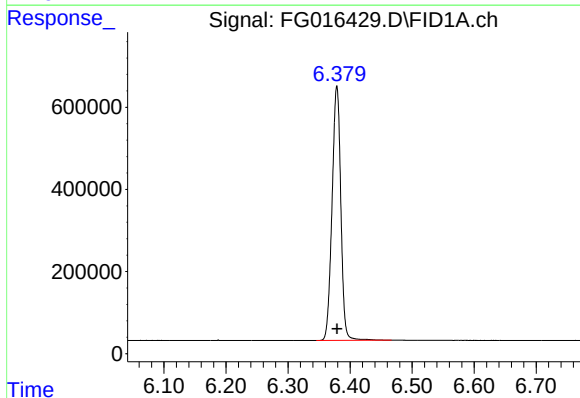
R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 5441270
Conc: 49.85 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



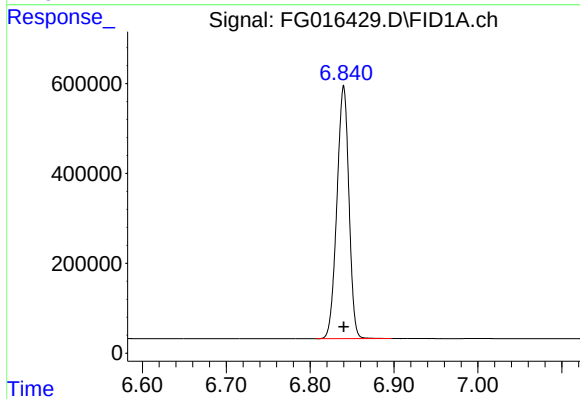
#2 n-Decane (C10)

R.T.: 4.658 min
Delta R.T.: 0.000 min
Response: 5547230
Conc: 49.90 ug/ml



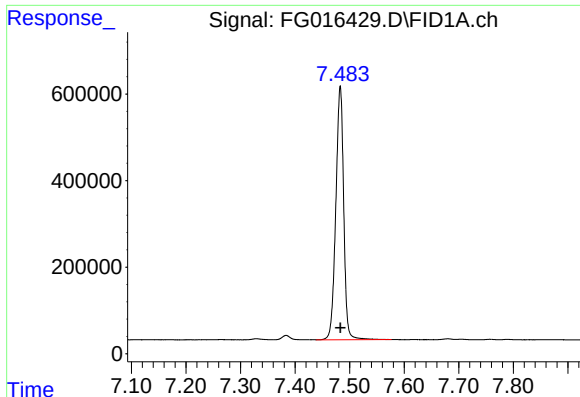
#3 A~Naphthalene (C11.7)

R.T.: 6.379 min
Delta R.T.: 0.000 min
Response: 6076964
Conc: 50.13 ug/ml



#4 n-Dodecane (C12)

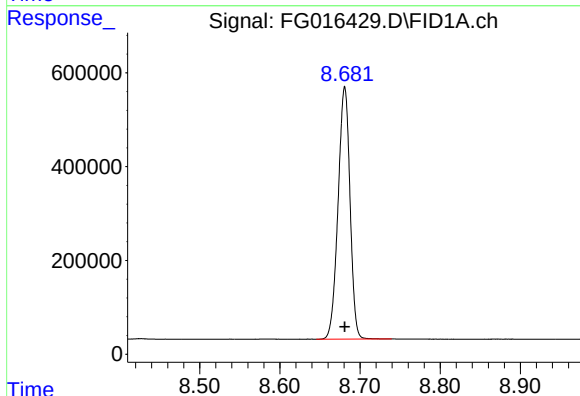
R.T.: 6.840 min
Delta R.T.: 0.000 min
Response: 5606578
Conc: 49.94 ug/ml



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

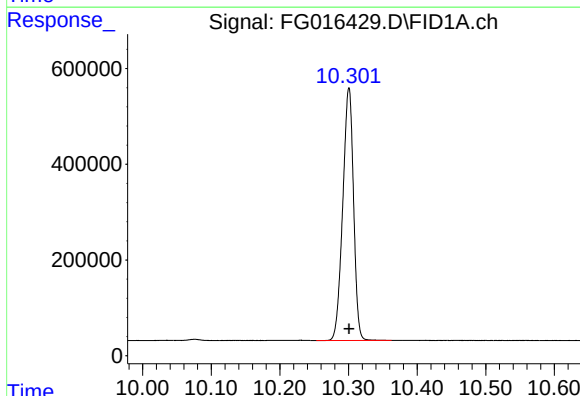
R.T.: 7.483 min
Delta R.T.: 0.000 min
Response: 5875988
Conc: 50.06 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



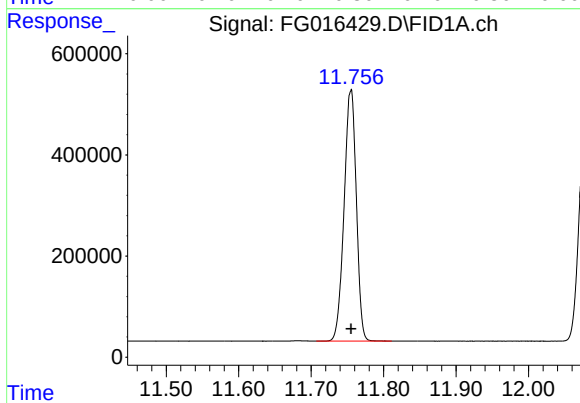
#6 n-Tetradecane (C14)

R.T.: 8.681 min
Delta R.T.: 0.000 min
Response: 5566677
Conc: 49.93 ug/ml



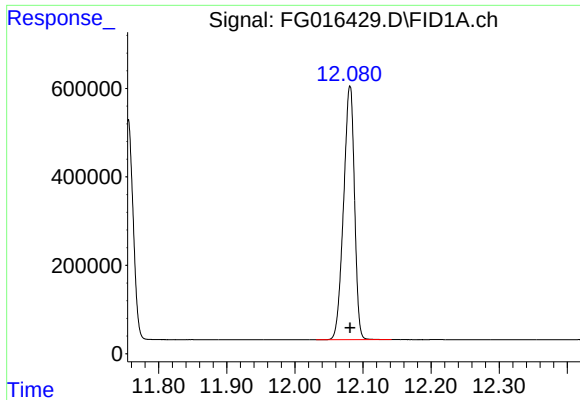
#7 n-Hexadecane (C16)

R.T.: 10.301 min
Delta R.T.: 0.000 min
Response: 5760957
Conc: 50.01 ug/ml



#8 n-Octadecane (C18)

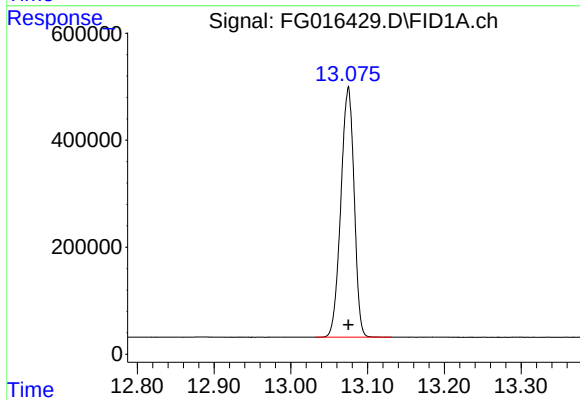
R.T.: 11.755 min
Delta R.T.: 0.000 min
Response: 5825525
Conc: 50.01 ug/ml



#9 ortho-Terphenyl (SURR)

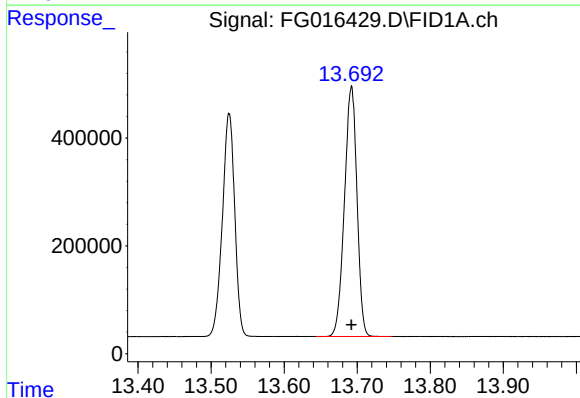
R.T.: 12.081 min
Delta R.T.: 0.000 min
Response: 6396961
Conc: 50.02 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



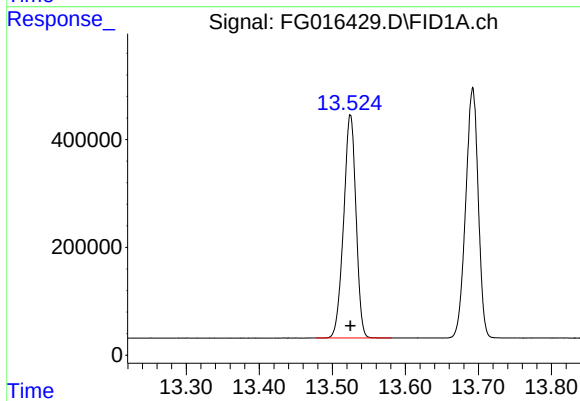
#10 n-Eicosane (C20)

R.T.: 13.075 min
Delta R.T.: 0.000 min
Response: 5620589
Conc: 50.01 ug/ml



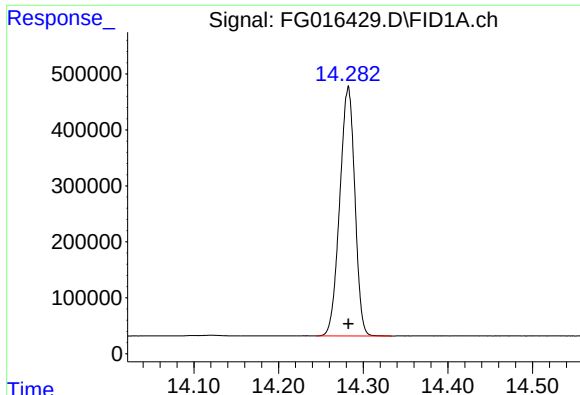
#11 n-Heneicosane (C21)

R.T.: 13.692 min
Delta R.T.: 0.000 min
Response: 5535080
Conc: 50.02 ug/ml



#12 1-chlorooctadecane (SURR)

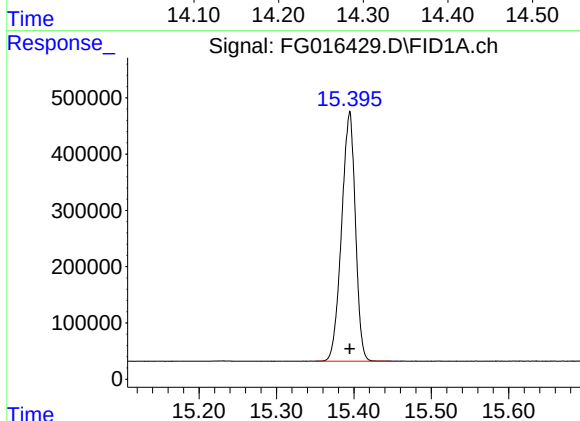
R.T.: 13.525 min
Delta R.T.: 0.000 min
Response: 4872054
Conc: 50.08 ug/ml



#13 n-Docosane (C22)

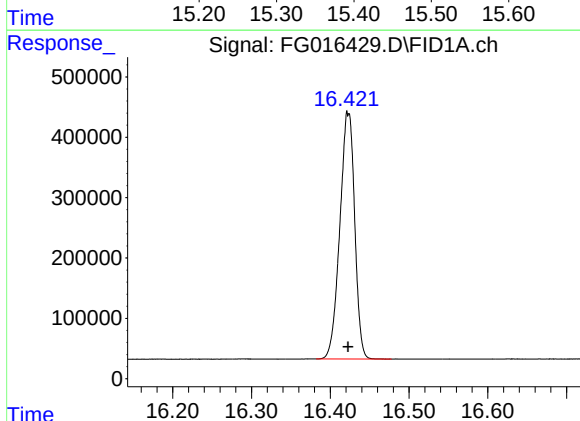
R.T.: 14.282 min
Delta R.T.: 0.000 min
Response: 5516812
Conc: 50.08 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



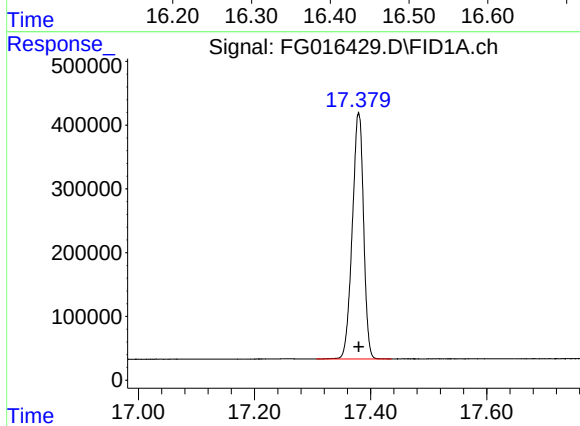
#14 n-Tetracosane (C24)

R.T.: 15.395 min
Delta R.T.: 0.000 min
Response: 5482557
Conc: 50.06 ug/ml



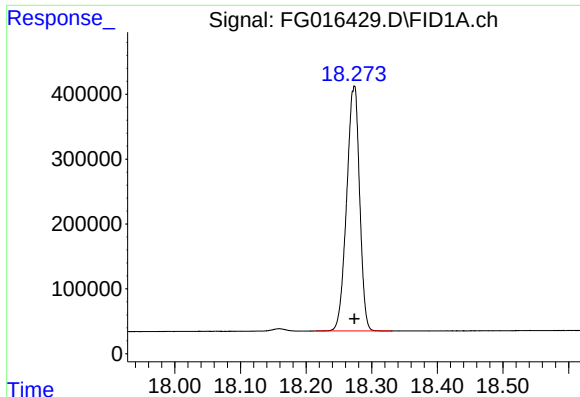
#15 n-Hexacosane (C26)

R.T.: 16.423 min
Delta R.T.: 0.000 min
Response: 5356075
Conc: 50.06 ug/ml



#16 n-Octacosane (C28)

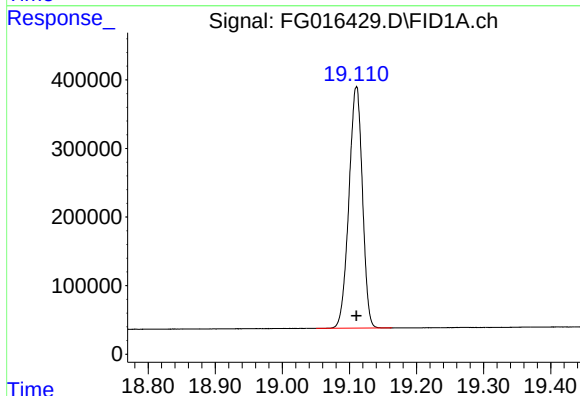
R.T.: 17.379 min
Delta R.T.: 0.000 min
Response: 5201394
Conc: 50.08 ug/ml



#17 n-Tricontane (C30)

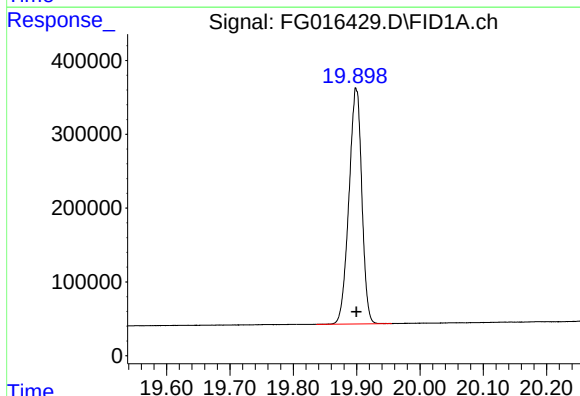
R.T.: 18.273 min
Delta R.T.: 0.000 min
Response: 5182510
Conc: 49.86 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



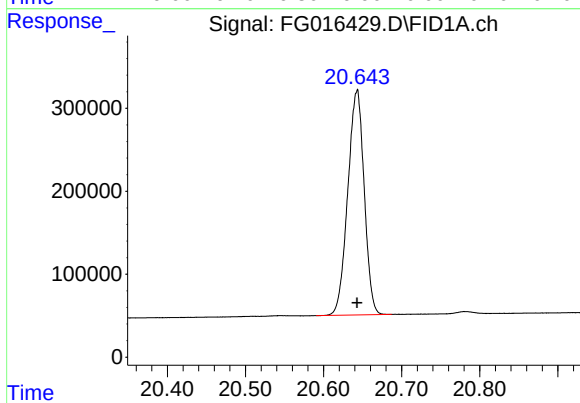
#18 n-Dotriacontane (C32)

R.T.: 19.110 min
Delta R.T.: 0.000 min
Response: 4921339
Conc: 49.67 ug/ml



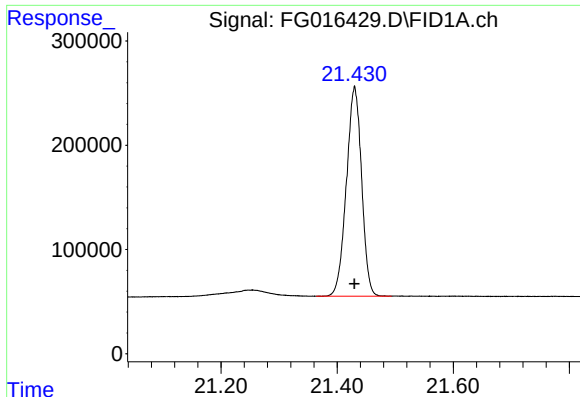
#19 n-Tetratriacontane (C34)

R.T.: 19.899 min
Delta R.T.: 0.000 min
Response: 4512847
Conc: 49.72 ug/ml



#20 n-Hexatriacontane (C36)

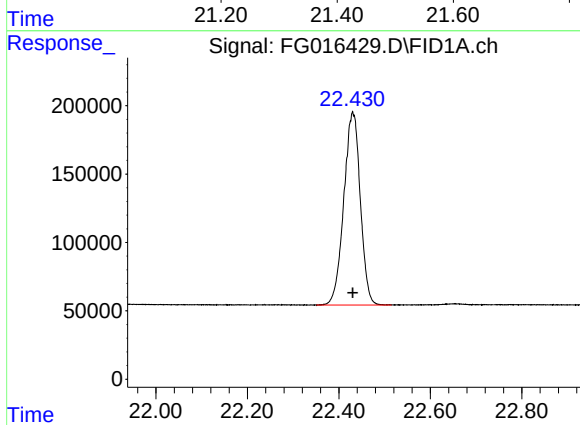
R.T.: 20.643 min
Delta R.T.: 0.000 min
Response: 3957606
Conc: 49.70 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.430 min
Delta R.T.: 0.000 min
Response: 3650560
Conc: 49.75 ug/ml

Instrument :
FID_G
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.430 min
Delta R.T.: 0.000 min
Response: 3528320
Conc: 49.81 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016429.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 10:02
 Sample : 50 PPM ALIPHATIC HC STD2
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.396	3.354	3.451	BB	549941	5441270	85.06%	4.714%
2	4.658	4.614	4.715	BB	556684	5547230	86.72%	4.805%
3	6.379	6.345	6.467	BB	619630	6076964	95.00%	5.264%
4	6.840	6.807	6.897	BB	563446	5606578	87.64%	4.857%
5	7.483	7.439	7.577	BB	586106	5875988	91.86%	5.090%
6	8.681	8.645	8.739	BB	538507	5566677	87.02%	4.822%
7	10.301	10.253	10.363	BB	527721	5760957	90.06%	4.991%
8	11.755	11.707	11.811	BB	496726	5825525	91.07%	5.047%
9	12.081	12.031	12.142	BB	573154	6396961	100.00%	5.542%
10	13.075	13.033	13.131	BB	469769	5620589	87.86%	4.869%
11	13.525	13.478	13.581	BB	413612	4872054	76.16%	4.221%
12	13.692	13.644	13.747	BB	464433	5535080	86.53%	4.795%
13	14.282	14.245	14.334	BB	444718	5516812	86.24%	4.779%
14	15.395	15.351	15.449	BB	442053	5482557	85.71%	4.749%
15	16.423	16.382	16.478	BB	403994	5356075	83.73%	4.640%
16	17.379	17.306	17.436	BB	386609	5201394	81.31%	4.506%
17	18.273	18.215	18.330	BB	377892	5182510	81.02%	4.490%
18	19.110	19.050	19.163	BB	351809	4921339	76.93%	4.263%
19	19.899	19.836	19.955	BB	317853	4512847	70.55%	3.909%
20	20.643	20.590	20.687	BB	270473	3957606	61.87%	3.428%
21	21.430	21.364	21.494	BB	201815	3650560	57.07%	3.162%
22	22.430	22.350	22.515	BB	141619	3528320	55.16%	3.057%
Sum of corrected areas:						115435892		

Aliphatic EPH 082825.M Thu Aug 28 12:38:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016430.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 10:32
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
 Quant Time: Aug 28 11:12:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 11:12:40 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)	12.077	2623013	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
12) S 1-chlorooctadecane (S...	13.522	1990565	20.000 ug/ml
Spiked Amount 50.000		Recovery =	40.00%
Target Compounds			
1) T n-Nonane (C9)	3.394	2240121	20.000 ug/ml
2) T n-Decane (C10)	4.656	2276035	20.000 ug/ml
3) T A~Naphthalene (C11.7)	6.377	2483410	20.000 ug/ml
4) T n-Dodecane (C12)	6.838	2298735	20.000 ug/ml
5) T A~2-methylnaphthalene...	7.480	2387900	20.000 ug/ml
6) T n-Tetradecane (C14)	8.679	2282936	20.000 ug/ml
7) T n-Hexadecane (C16)	10.298	2359232	20.000 ug/ml
8) T n-Octadecane (C18)	11.753	2389351	20.000 ug/ml
10) T n-Eicosane (C20)	13.072	2306749	20.000 ug/ml
11) T n-Heneicosane (C21)	13.690	2269457	20.000 ug/ml
13) T n-Docosane (C22)	14.280	2258831	20.000 ug/ml
14) T n-Tetracosane (C24)	15.391	2248334	20.000 ug/ml
15) T n-Hexacosane (C26)	16.419	2198021	20.000 ug/ml
16) T n-Octacosane (C28)	17.377	2133405	20.000 ug/ml
17) T n-Tricontane (C30)	18.270	2155705	20.000 ug/ml
18) T n-Dotriacontane (C32)	19.107	2071329	20.000 ug/ml
19) T n-Tetratriacontane (C34)	19.897	1894010	20.000 ug/ml
20) T n-Hexatriacontane (C36)	20.641	1659320	20.000 ug/ml
21) T n-Octatriacontane (C38)	21.429	1525669	20.000 ug/ml
22) T n-Tetracontane (C40)	22.426	1473511	20.000 ug/ml

(f)=RT Delta > 1/2 Window

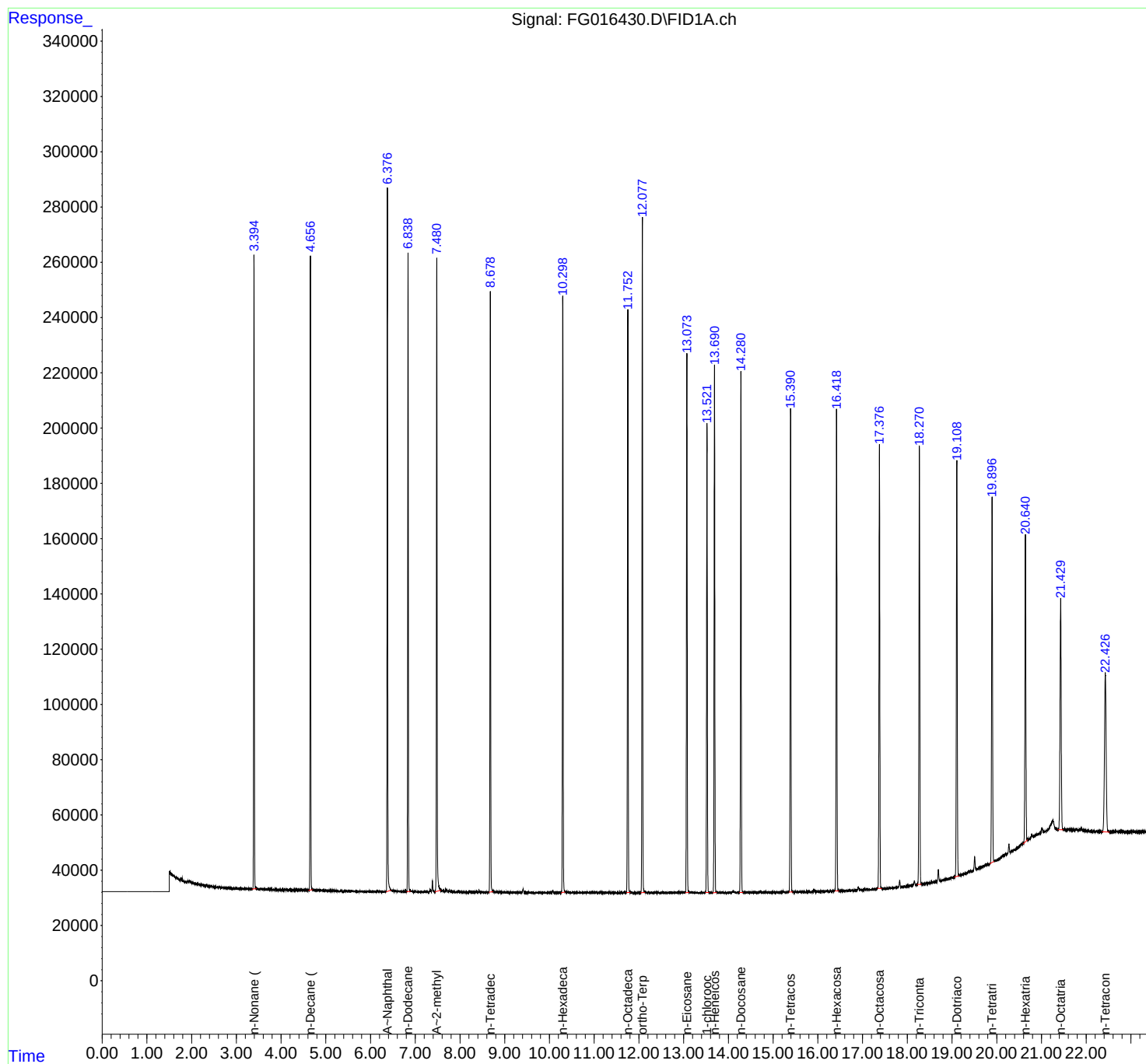
(m)=manual int.

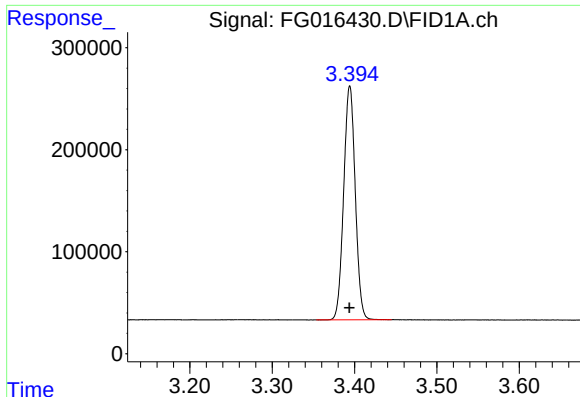
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
Data File : FG016430.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 10:32
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Aug 28 11:12:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 11:12:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

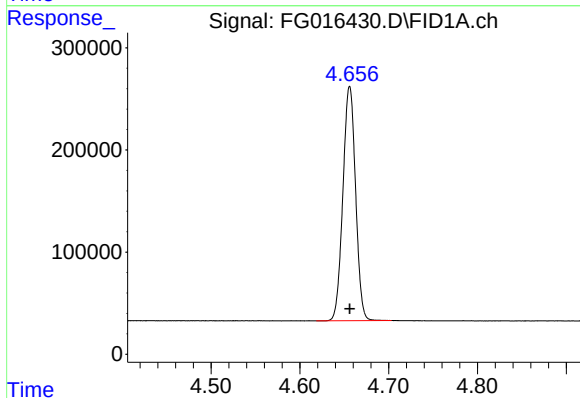




#1 n-Nonane (C9)

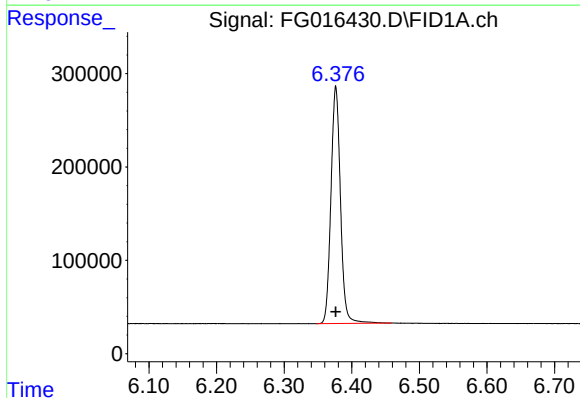
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 2240121
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



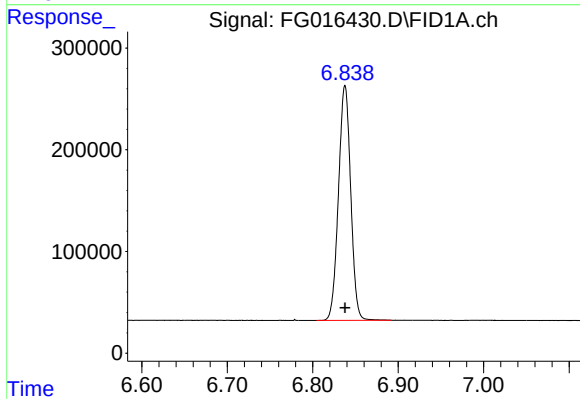
#2 n-Decane (C10)

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 2276035
Conc: 20.00 ug/ml



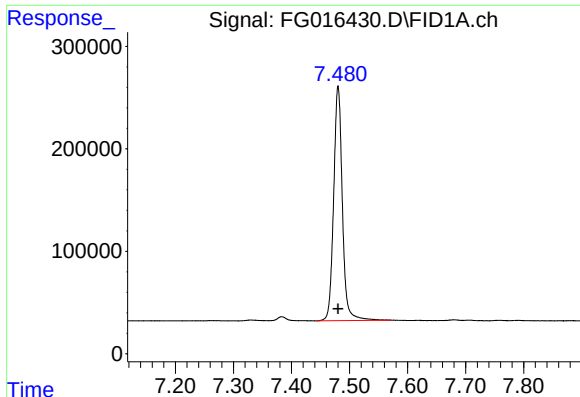
#3 A~Naphthalene (C11.7)

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 2483410
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

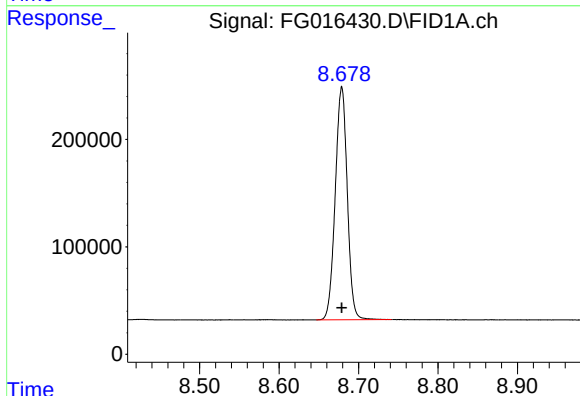
R.T.: 6.838 min
Delta R.T.: 0.000 min
Response: 2298735
Conc: 20.00 ug/ml



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

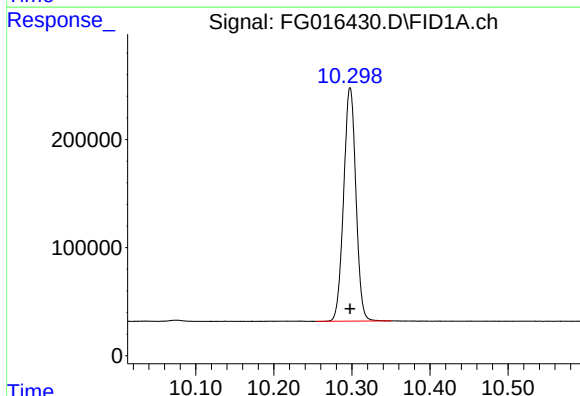
R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 2387900
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



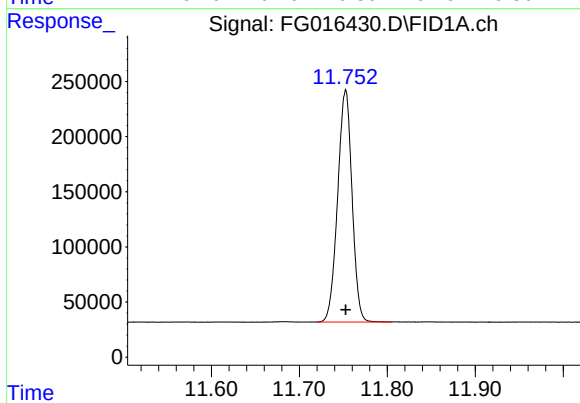
#6 n-Tetradecane (C14)

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 2282936
Conc: 20.00 ug/ml



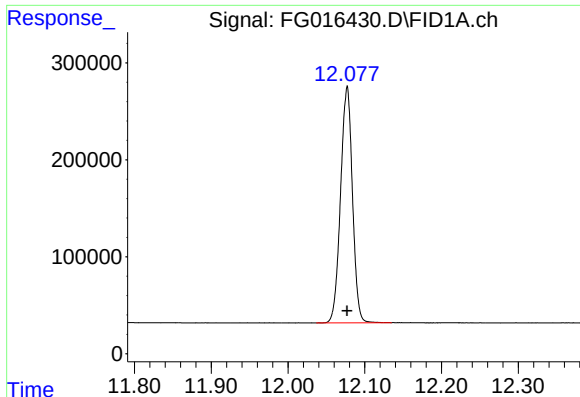
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: 0.000 min
Response: 2359232
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

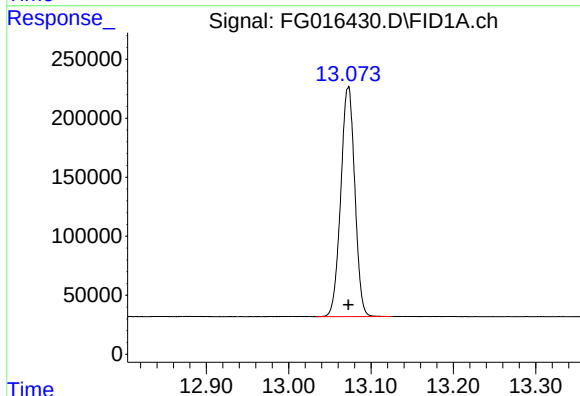
R.T.: 11.753 min
Delta R.T.: 0.000 min
Response: 2389351
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

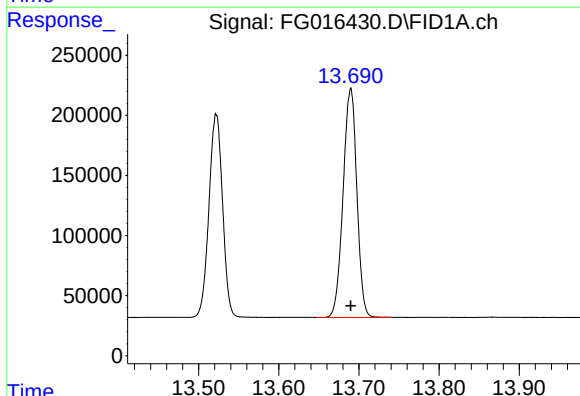
R.T.: 12.077 min
Delta R.T.: 0.000 min
Response: 2623013
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



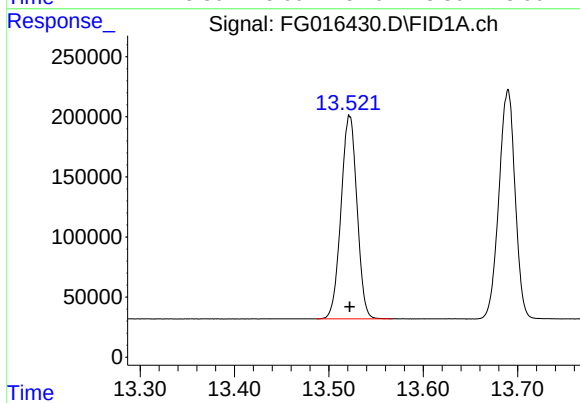
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.000 min
Response: 2306749
Conc: 20.00 ug/ml



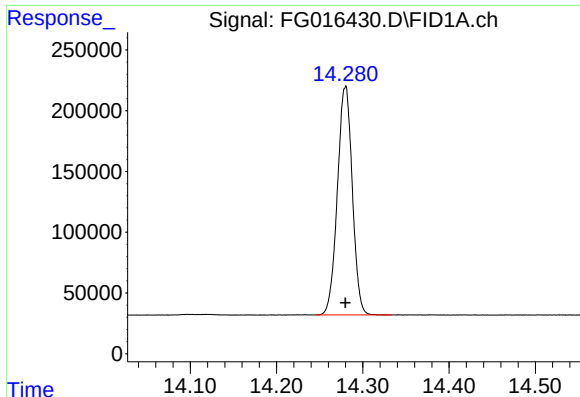
#11 n-Heneicosane (C21)

R.T.: 13.690 min
Delta R.T.: 0.000 min
Response: 2269457
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

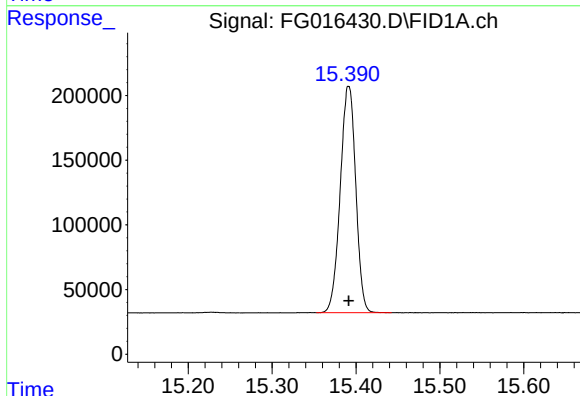
R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 1990565
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

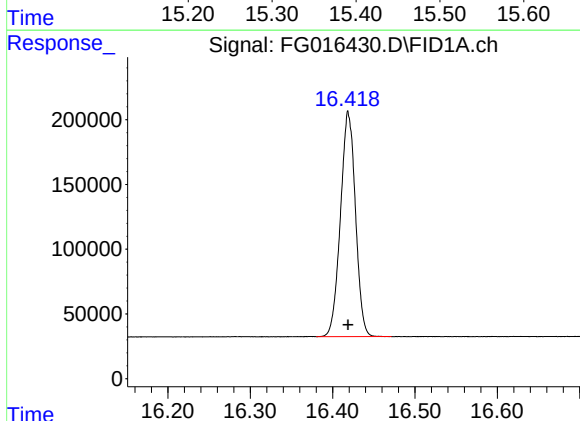
R.T.: 14.280 min
Delta R.T.: 0.000 min
Response: 2258831
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



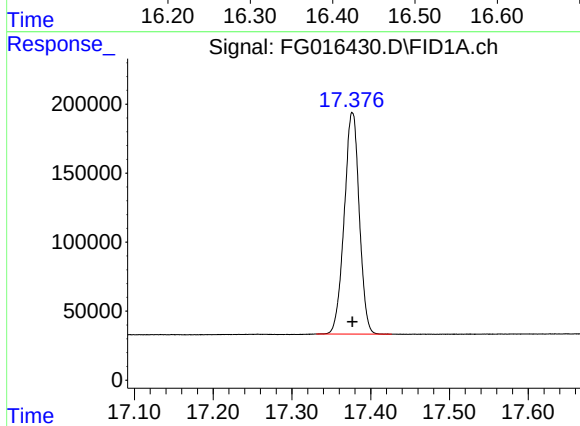
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.000 min
Response: 2248334
Conc: 20.00 ug/ml



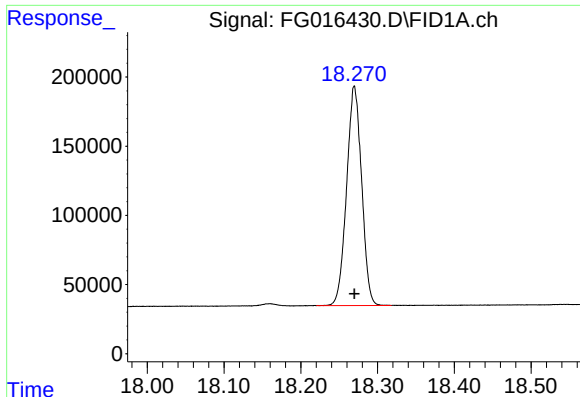
#15 n-Hexacosane (C26)

R.T.: 16.419 min
Delta R.T.: 0.000 min
Response: 2198021
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

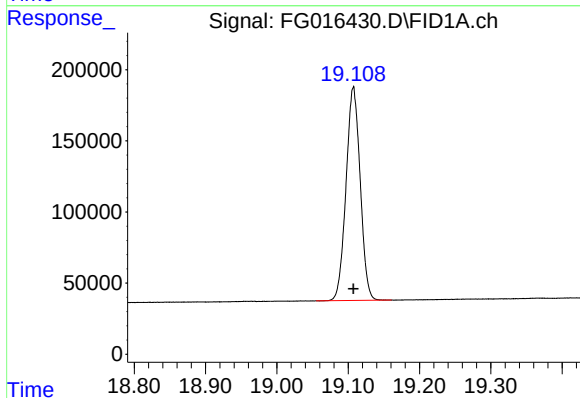
R.T.: 17.377 min
Delta R.T.: 0.000 min
Response: 2133405
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

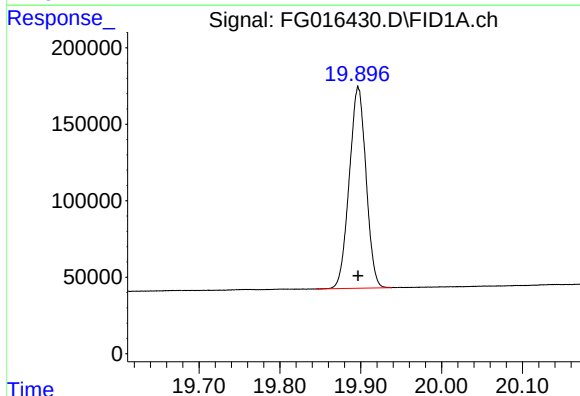
R.T.: 18.270 min
Delta R.T.: 0.000 min
Response: 2155705
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



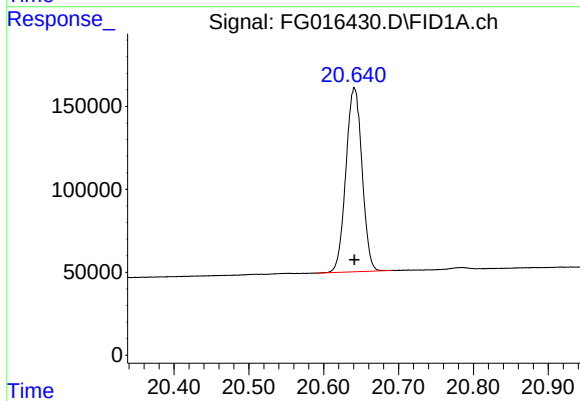
#18 n-Dotriacontane (C32)

R.T.: 19.107 min
Delta R.T.: 0.000 min
Response: 2071329
Conc: 20.00 ug/ml



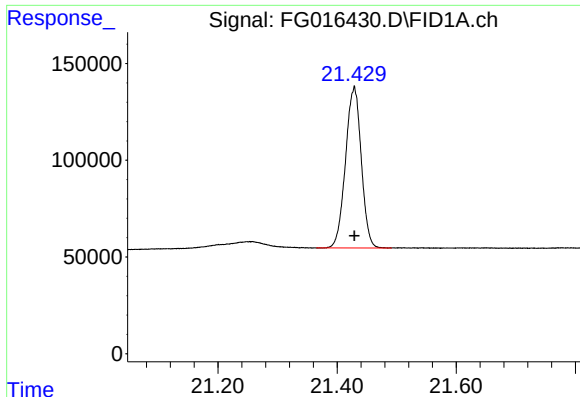
#19 n-Tetratriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.000 min
Response: 1894010
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

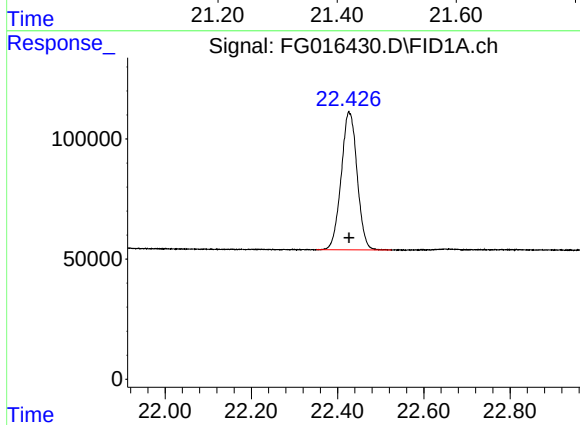
R.T.: 20.641 min
Delta R.T.: 0.000 min
Response: 1659320
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.429 min
Delta R.T.: 0.000 min
Response: 1525669
Conc: 20.00 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.426 min
Delta R.T.: 0.000 min
Response: 1473511
Conc: 20.00 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016430.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 10:32
 Sample : 20 PPM ALIPHATIC HC STD3
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.394	3.353	3.445	BB	229446	2240121	85.40%	4.714%
2	4.656	4.618	4.703	BB	229498	2276035	86.77%	4.789%
3	6.377	6.348	6.459	BB	253949	2483410	94.68%	5.225%
4	6.838	6.804	6.893	BB	230995	2298735	87.64%	4.837%
5	7.480	7.443	7.573	BB	229083	2387900	91.04%	5.024%
6	8.679	8.647	8.742	BB	217126	2282936	87.03%	4.804%
7	10.298	10.254	10.351	BB	216051	2359232	89.94%	4.964%
8	11.753	11.719	11.805	BB	210692	2389351	91.09%	5.027%
9	12.077	12.037	12.135	BB	244659	2623013	100.00%	5.519%
10	13.072	13.033	13.125	BB	194091	2306749	87.94%	4.854%
11	13.522	13.487	13.567	BB	168925	1990565	75.89%	4.188%
12	13.690	13.647	13.741	BB	191161	2269457	86.52%	4.775%
13	14.280	14.246	14.333	BB	187795	2258831	86.12%	4.753%
14	15.391	15.353	15.443	BB	174871	2248334	85.72%	4.731%
15	16.419	16.380	16.472	BB	172854	2198021	83.80%	4.625%
16	17.377	17.331	17.427	BB	160457	2133405	81.33%	4.489%
17	18.270	18.220	18.318	BB	158832	2155705	82.18%	4.536%
18	19.107	19.055	19.161	BB	150147	2071329	78.97%	4.358%
19	19.897	19.845	19.938	BB	131908	1894010	72.21%	3.985%
20	20.641	20.590	20.691	BB	111066	1659320	63.26%	3.491%
21	21.429	21.365	21.492	BB	83848	1525669	58.16%	3.210%
22	22.426	22.350	22.525	BB	57455	1473511	56.18%	3.100%
Sum of corrected areas:							47525641	

Aliphatic EPH 082825.M Thu Aug 28 12:39:21 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016431.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 11:01
 Operator : YP\AJ
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
 Quant Time: Aug 28 11:19:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 11:12:40 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)	12.075	1358722	10.461 ug/ml
Spiked Amount 50.000		Recovery =	20.92%
12) S 1-chlorooctadecane (S...	13.521	1030441	10.437 ug/ml
Spiked Amount 50.000		Recovery =	20.87%
Target Compounds			
1) T n-Nonane (C9)	3.394	1160960	10.470 ug/ml
2) T n-Decane (C10)	4.656	1178133	10.442 ug/ml
3) T A~Naphthalene (C11.7)	6.377	1273830	10.377 ug/ml
4) T n-Dodecane (C12)	6.837	1187209	10.425 ug/ml
5) T A~2-methylnaphthalene...	7.480	1216851	10.273 ug/ml
6) T n-Tetradecane (C14)	8.678	1185844	10.470 ug/ml
7) T n-Hexadecane (C16)	10.297	1225955	10.474 ug/ml
8) T n-Octadecane (C18)	11.751	1241465	10.485 ug/ml
10) T n-Eicosane (C20)	13.071	1198604	10.491 ug/ml
11) T n-Heneicosane (C21)	13.688	1181643	10.500 ug/ml
13) T n-Docosane (C22)	14.279	1174116	10.485 ug/ml
14) T n-Tetracosane (C24)	15.390	1167745	10.489 ug/ml
15) T n-Hexacosane (C26)	16.418	1139703	10.481 ug/ml
16) T n-Octacosane (C28)	17.375	1110183	10.508 ug/ml
17) T n-Tricontane (C30)	18.268	1131301	10.649 ug/ml
18) T n-Dotriacontane (C32)	19.107	1103180	10.828 ug/ml
19) T n-Tetratriacontane (C34)	19.895	1001278	10.754 ug/ml
20) T n-Hexatriacontane (C36)	20.639	867482	10.656 ug/ml
21) T n-Octatriacontane (C38)	21.425	795746	10.620 ug/ml
22) T n-Tetracontane (C40)	22.425	764662	10.585 ug/ml

(f)=RT Delta > 1/2 Window

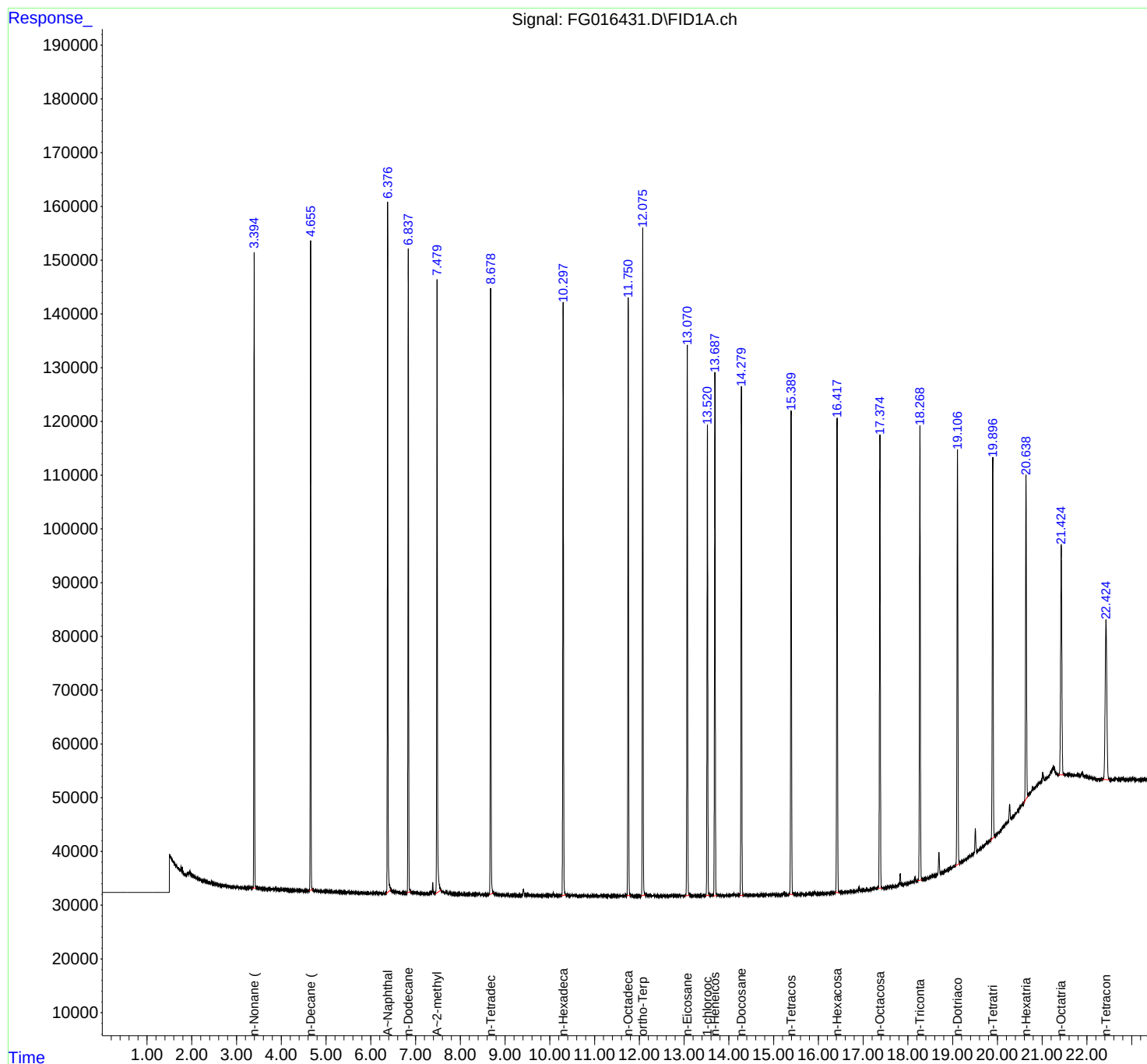
(m)=manual int.

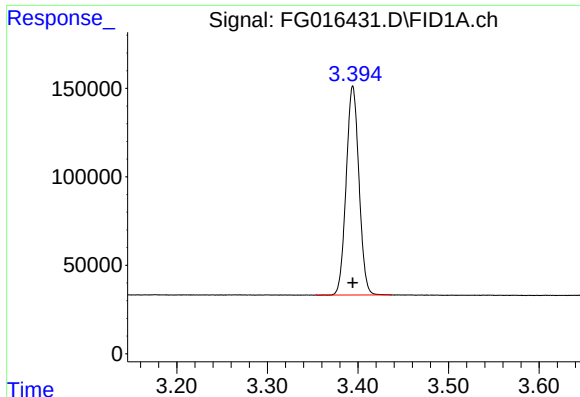
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
Data File : FG016431.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 11:01
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Aug 28 11:19:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 11:12:40 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

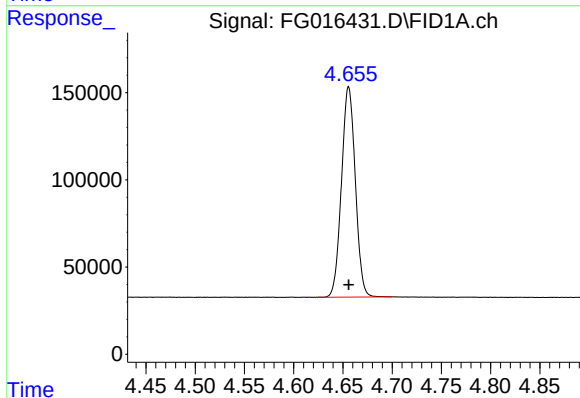




#1 n-Nonane (C9)

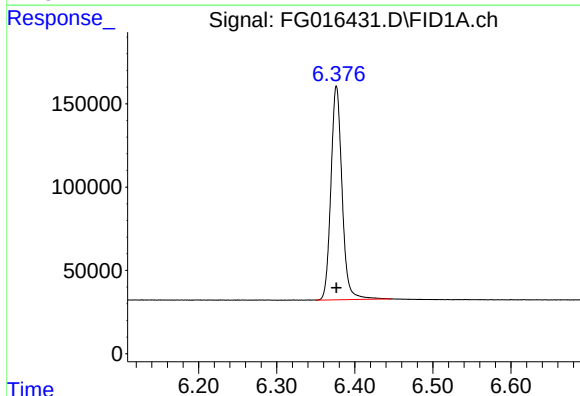
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1160960
Conc: 10.47 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



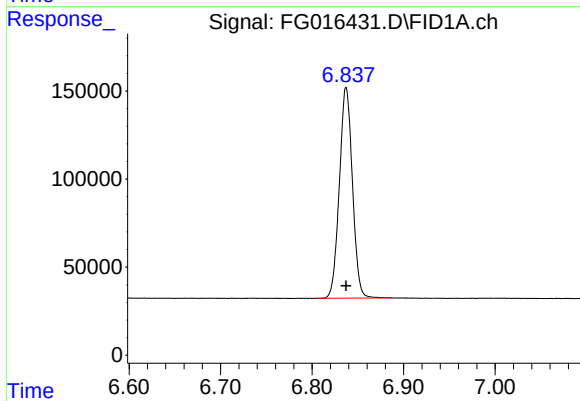
#2 n-Decane (C10)

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 1178133
Conc: 10.44 ug/ml



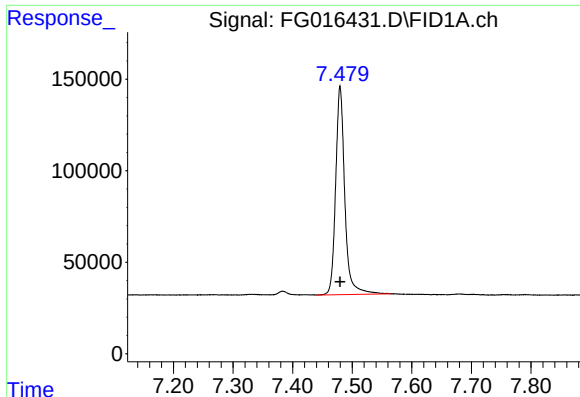
#3 A~Naphthalene (C11.7)

R.T.: 6.377 min
Delta R.T.: 0.000 min
Response: 1273830
Conc: 10.38 ug/ml



#4 n-Dodecane (C12)

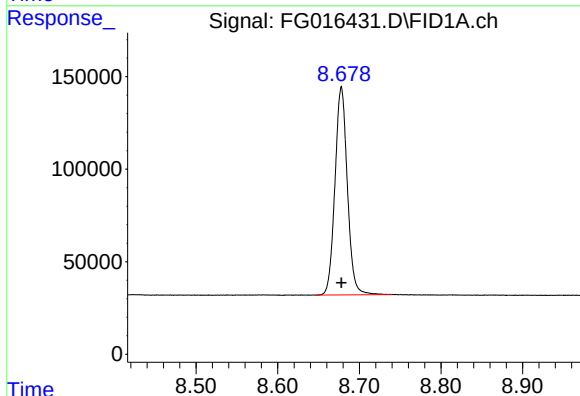
R.T.: 6.837 min
Delta R.T.: 0.000 min
Response: 1187209
Conc: 10.43 ug/ml



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

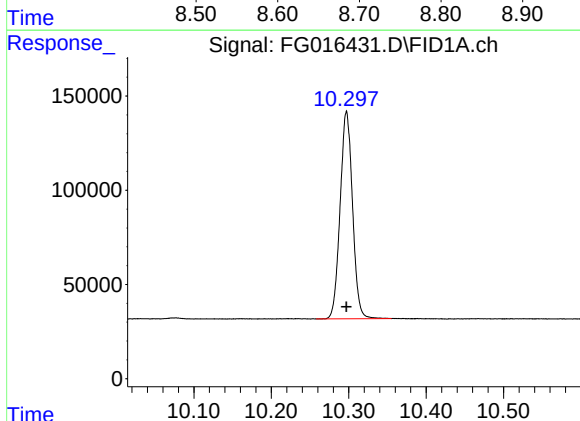
R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 1216851
Conc: 10.27 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



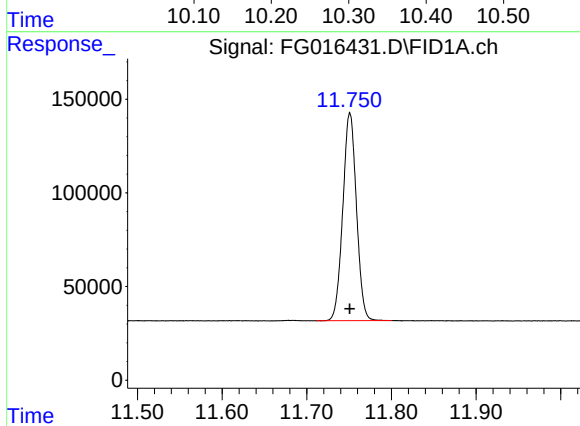
#6 n-Tetradecane (C14)

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 1185844
Conc: 10.47 ug/ml



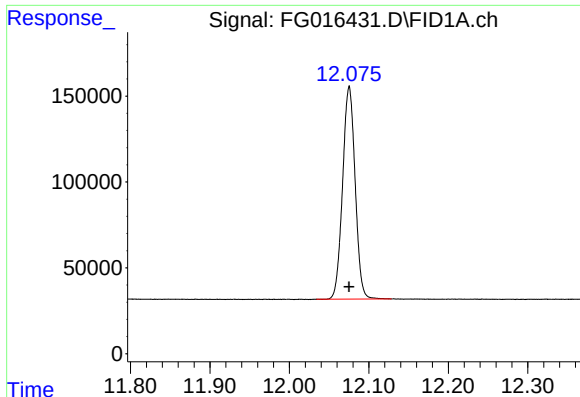
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: 0.000 min
Response: 1225955
Conc: 10.47 ug/ml



#8 n-Octadecane (C18)

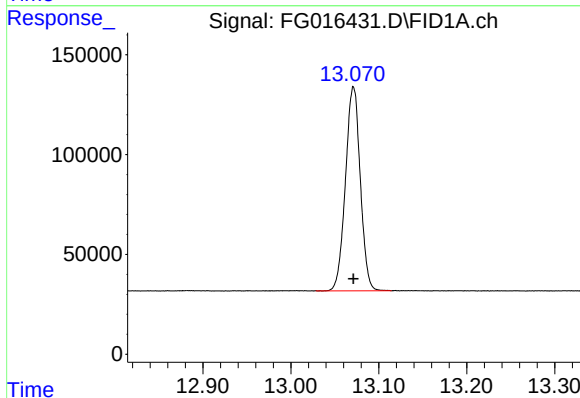
R.T.: 11.751 min
Delta R.T.: 0.000 min
Response: 1241465
Conc: 10.48 ug/ml



#9 ortho-Terphenyl (SURR)

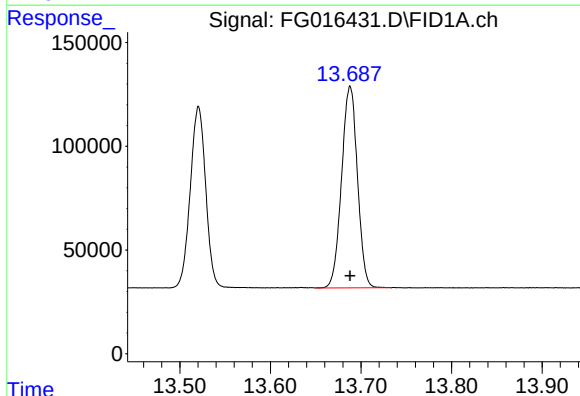
R.T.: 12.075 min
Delta R.T.: 0.000 min
Response: 1358722
Conc: 10.46 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



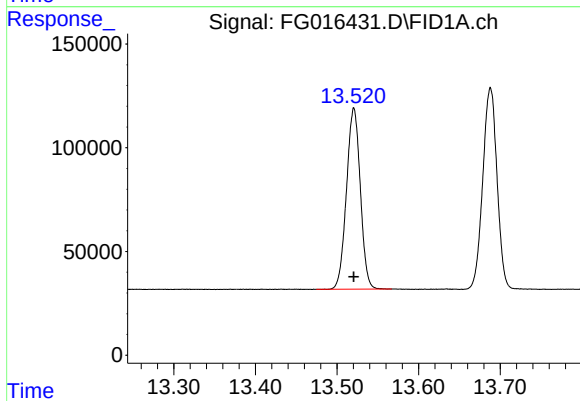
#10 n-Eicosane (C20)

R.T.: 13.071 min
Delta R.T.: 0.000 min
Response: 1198604
Conc: 10.49 ug/ml



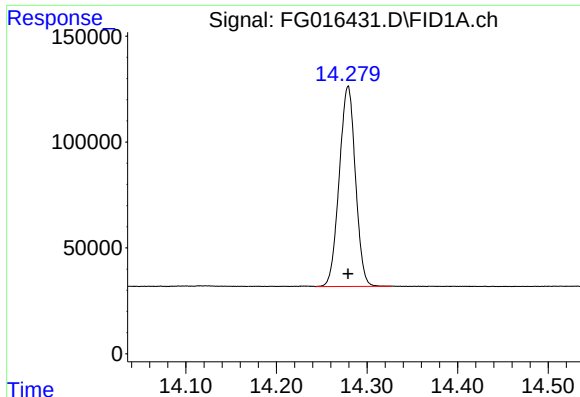
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.000 min
Response: 1181643
Conc: 10.50 ug/ml



#12 1-chlorooctadecane (SURR)

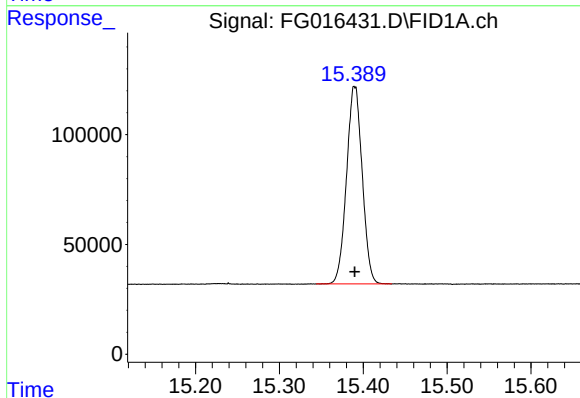
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 1030441
Conc: 10.44 ug/ml



#13 n-Docosane (C22)

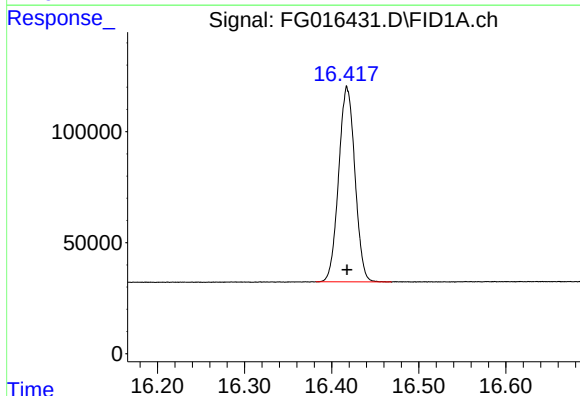
R.T.: 14.279 min
Delta R.T.: 0.000 min
Response: 1174116
Conc: 10.49 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



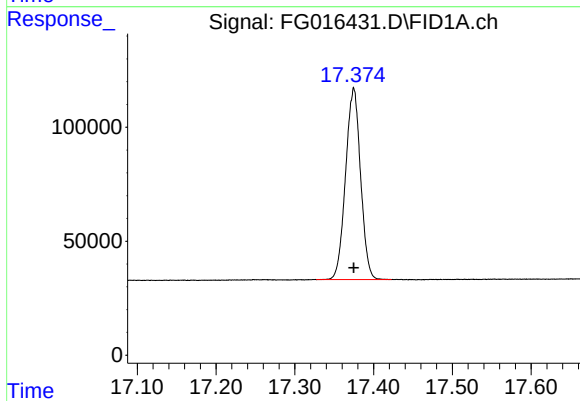
#14 n-Tetracosane (C24)

R.T.: 15.390 min
Delta R.T.: 0.000 min
Response: 1167745
Conc: 10.49 ug/ml



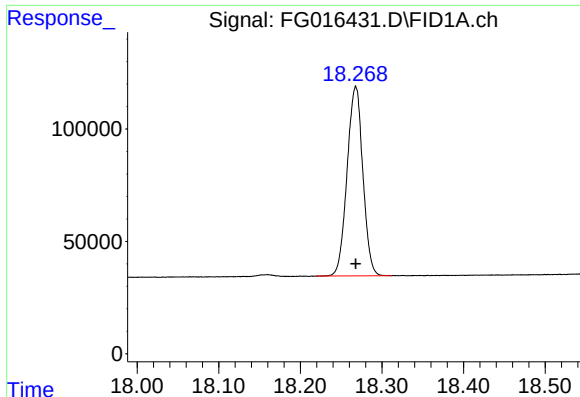
#15 n-Hexacosane (C26)

R.T.: 16.418 min
Delta R.T.: 0.000 min
Response: 1139703
Conc: 10.48 ug/ml



#16 n-Octacosane (C28)

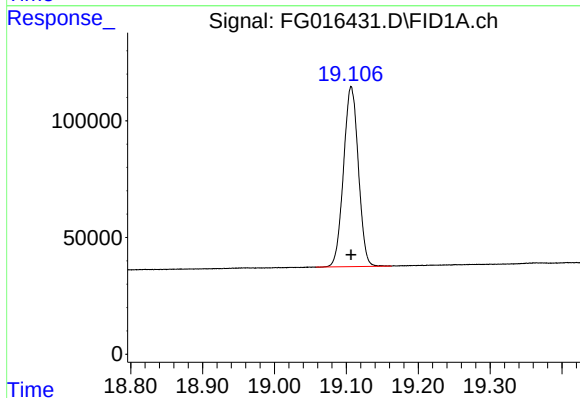
R.T.: 17.375 min
Delta R.T.: 0.000 min
Response: 1110183
Conc: 10.51 ug/ml



#17 n-Tricontane (C30)

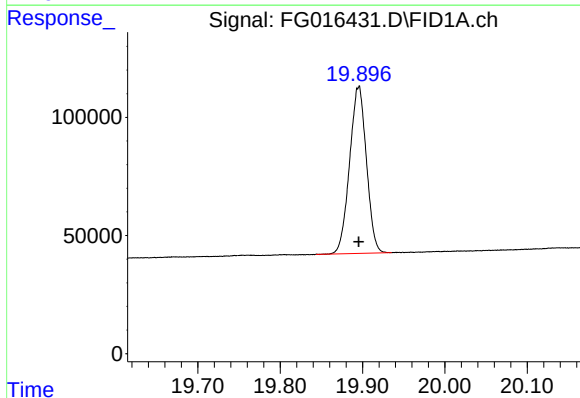
R.T.: 18.268 min
Delta R.T.: 0.000 min
Response: 1131301
Conc: 10.65 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



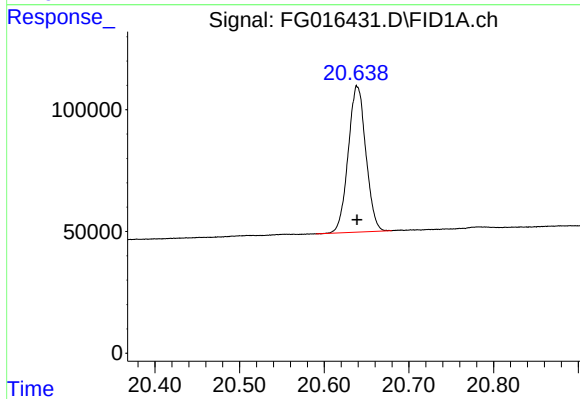
#18 n-Dotriacontane (C32)

R.T.: 19.107 min
Delta R.T.: 0.000 min
Response: 1103180
Conc: 10.83 ug/ml



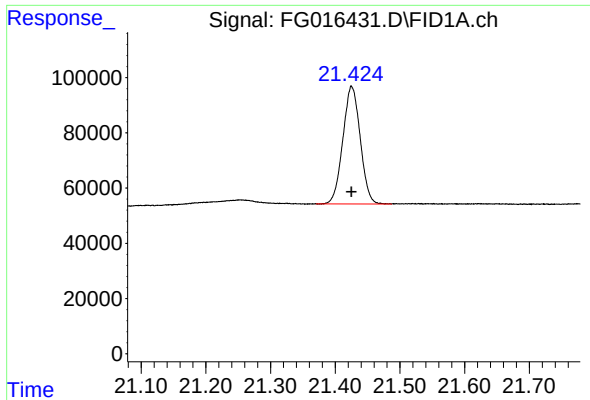
#19 n-Tetratriacontane (C34)

R.T.: 19.895 min
Delta R.T.: 0.000 min
Response: 1001278
Conc: 10.75 ug/ml



#20 n-Hexatriacontane (C36)

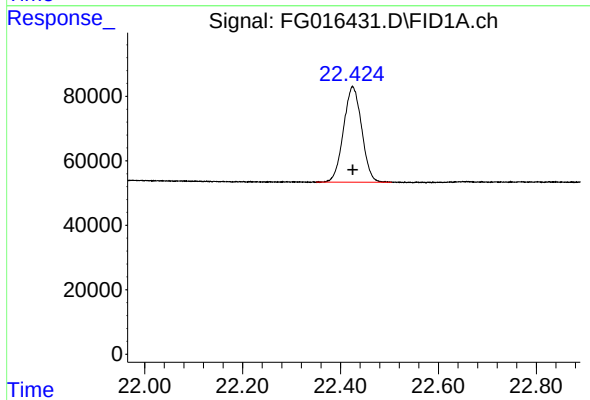
R.T.: 20.639 min
Delta R.T.: 0.000 min
Response: 867482
Conc: 10.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.425 min
Delta R.T.: 0.000 min
Response: 795746
Conc: 10.62 ug/ml

Instrument :
FID_G
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.425 min
Delta R.T.: 0.000 min
Response: 764662
Conc: 10.58 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016431.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 11:01
 Sample : 10 PPM ALIPHATIC HC STD4
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.394	3.354	3.437	BB	118238	1160960	85.45%	4.701%
2	4.656	4.623	4.700	BB	120520	1178133	86.71%	4.771%
3	6.377	6.350	6.447	BB	128389	1273830	93.75%	5.158%
4	6.837	6.805	6.887	BB	119586	1187209	87.38%	4.807%
5	7.480	7.440	7.566	BB	113837	1216851	89.56%	4.928%
6	8.678	8.647	8.739	BB	112593	1185844	87.28%	4.802%
7	10.297	10.258	10.355	BB	110074	1225955	90.23%	4.964%
8	11.751	11.711	11.800	BB	110858	1241465	91.37%	5.027%
9	12.075	12.034	12.129	BB	124153	1358722	100.00%	5.502%
10	13.071	13.029	13.115	BB	102194	1198604	88.22%	4.854%
11	13.521	13.475	13.567	BB	87576	1030441	75.84%	4.173%
12	13.688	13.650	13.734	BB	97316	1181643	86.97%	4.785%
13	14.279	14.244	14.327	BB	94840	1174116	86.41%	4.754%
14	15.390	15.344	15.434	BB	89670	1167745	85.94%	4.729%
15	16.418	16.382	16.469	BB	87587	1139703	83.88%	4.615%
16	17.375	17.327	17.423	BB	83721	1110183	81.71%	4.496%
17	18.268	18.220	18.312	BB	84423	1131301	83.26%	4.581%
18	19.107	19.058	19.163	BB	77131	1103180	81.19%	4.467%
19	19.895	19.844	19.935	BB	70327	1001278	73.69%	4.055%
20	20.639	20.590	20.680	BB	59741	867482	63.85%	3.513%
21	21.425	21.370	21.487	BB	42693	795746	58.57%	3.222%
22	22.425	22.350	22.505	BB	29697	764662	56.28%	3.096%
Sum of corrected areas:							24695053	

Aliphatic EPH 082825.M Thu Aug 28 12:39:40 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016432.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 11:31
 Operator : YP\AJ
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
 Quant Time: Aug 28 12:00:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 12:00:50 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)	12.075	712065	5.379 ug/ml
Spiked Amount 50.000		Recovery =	10.76%
12) S 1-chlorooctadecane (S...	13.521	541931	5.384 ug/ml
Spiked Amount 50.000		Recovery =	10.77%
Target Compounds			
1) T n-Nonane (C9)	3.394	610616	5.397 ug/ml
2) T n-Decane (C10)	4.656	621256	5.397 ug/ml
3) T A~Naphthalene (C11.7)	6.376	649272	5.229 ug/ml
4) T n-Dodecane (C12)	6.836	622609	5.367 ug/ml
5) T A~2-methylnaphthalene...	7.479	613133	5.140 ug/ml
6) T n-Tetradecane (C14)	8.678	619409	5.368 ug/ml
7) T n-Hexadecane (C16)	10.297	643145	5.388 ug/ml
8) T n-Octadecane (C18)	11.751	652468	5.400 ug/ml
10) T n-Eicosane (C20)	13.071	631371	5.412 ug/ml
11) T n-Heneicosane (C21)	13.687	622765	5.418 ug/ml
13) T n-Docosane (C22)	14.278	616913	5.399 ug/ml
14) T n-Tetracosane (C24)	15.390	617105	5.425 ug/ml
15) T n-Hexacosane (C26)	16.418	601150	5.414 ug/ml
16) T n-Octacosane (C28)	17.374	589630	5.454 ug/ml
17) T n-Tricontane (C30)	18.269	605824	5.547 ug/ml
18) T n-Dotriacontane (C32)	19.107	590774	5.619 ug/ml
19) T n-Tetratriacontane (C34)	19.894	538538	5.608 ug/ml
20) T n-Hexatriacontane (C36)	20.639	462523	5.531 ug/ml
21) T n-Octatriacontane (C38)	21.426	426356	5.537 ug/ml
22) T n-Tetracontane (C40)	22.427	412555	5.553 ug/ml

(f)=RT Delta > 1/2 Window

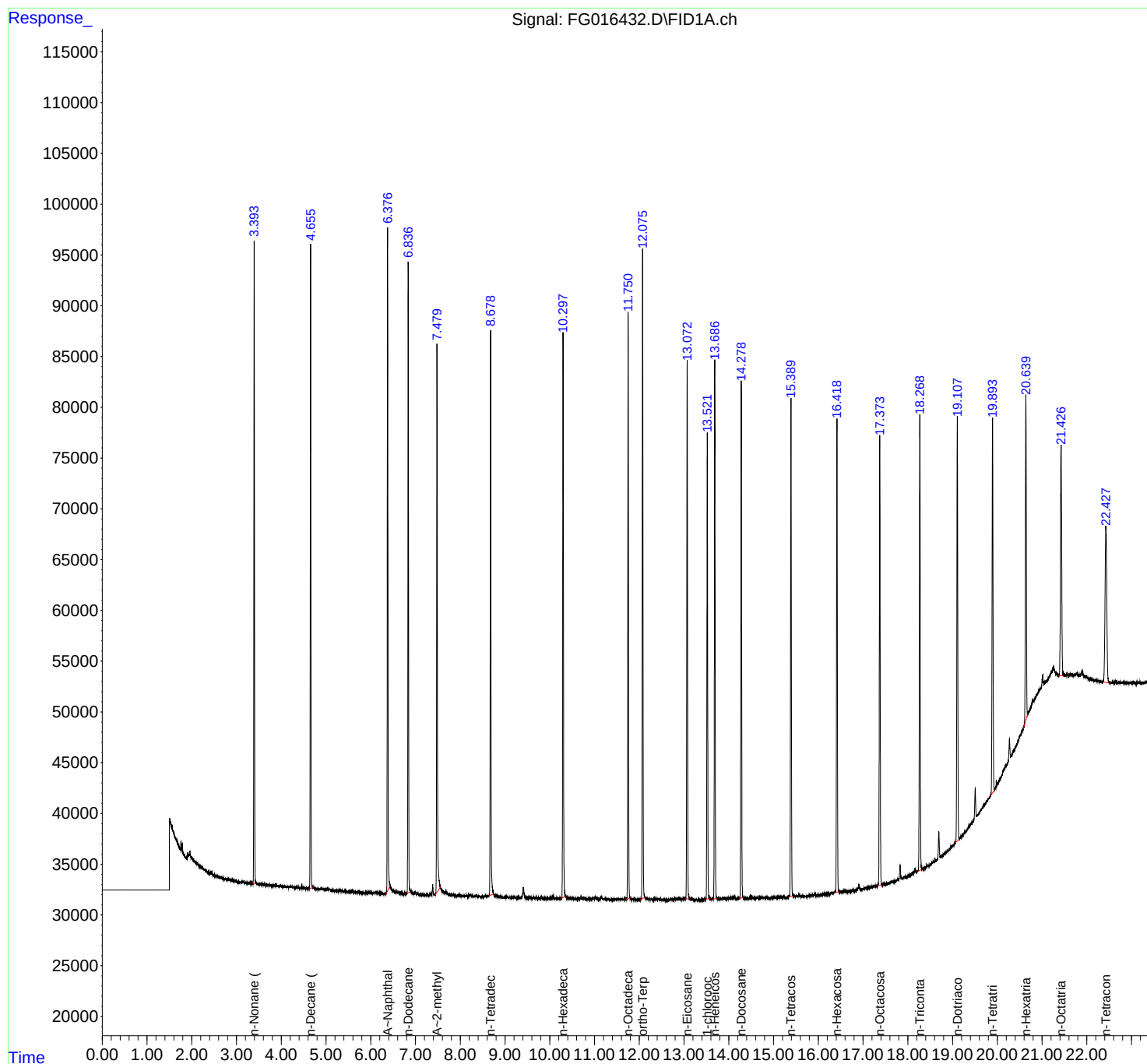
(m)=manual int.

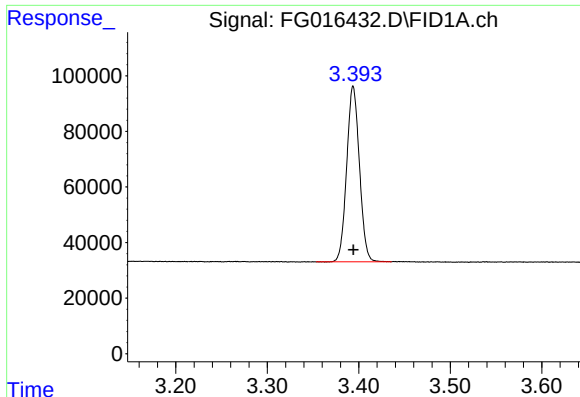
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
Data File : FG016432.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 11:31
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Aug 28 12:00:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 12:00:50 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

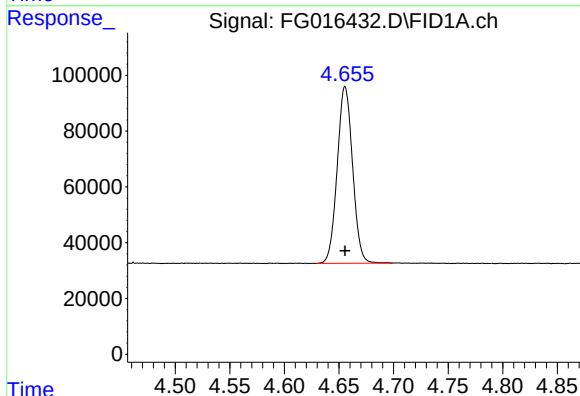




#1 n-Nonane (C9)

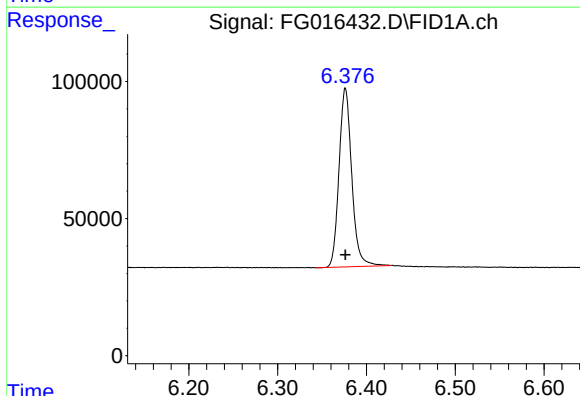
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 610616
Conc: 5.40 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



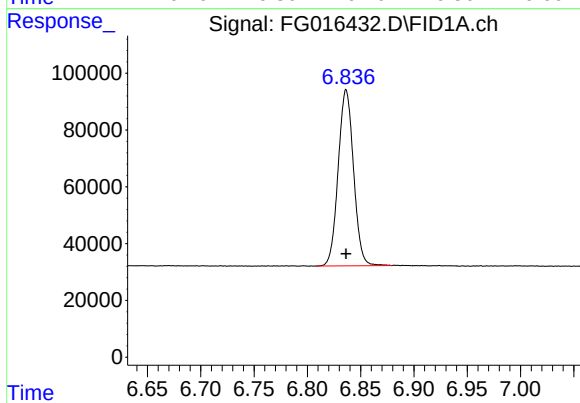
#2 n-Decane (C10)

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 621256
Conc: 5.40 ug/ml



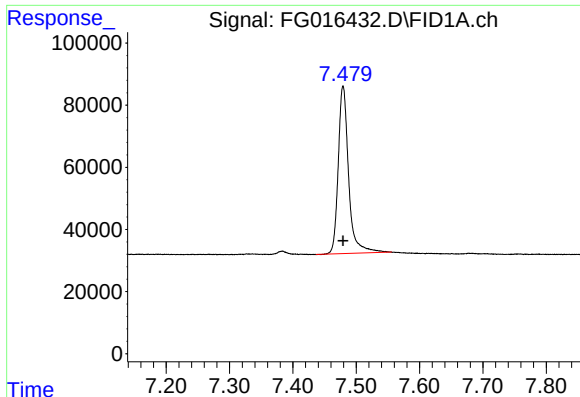
#3 A~Naphthalene (C11.7)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 649272
Conc: 5.23 ug/ml



#4 n-Dodecane (C12)

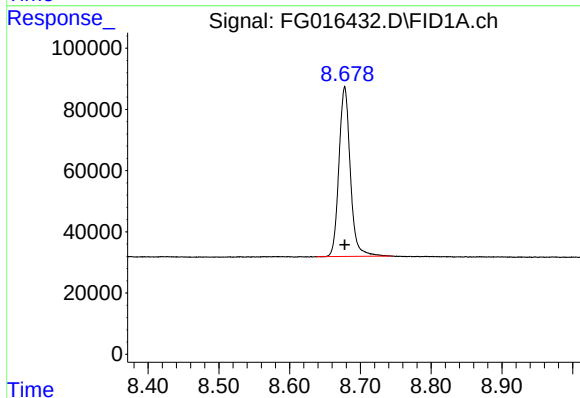
R.T.: 6.836 min
Delta R.T.: 0.000 min
Response: 622609
Conc: 5.37 ug/ml



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

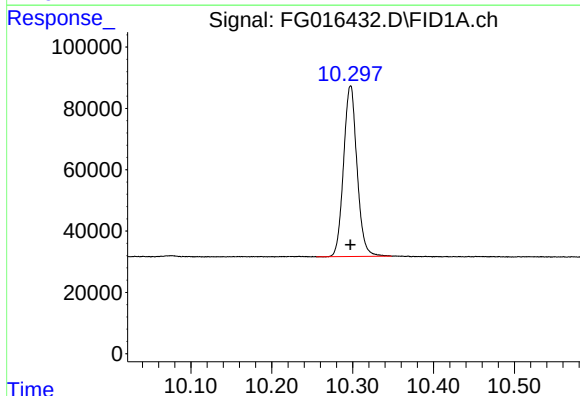
R.T.: 7.479 min
Delta R.T.: 0.000 min
Response: 613133
Conc: 5.14 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



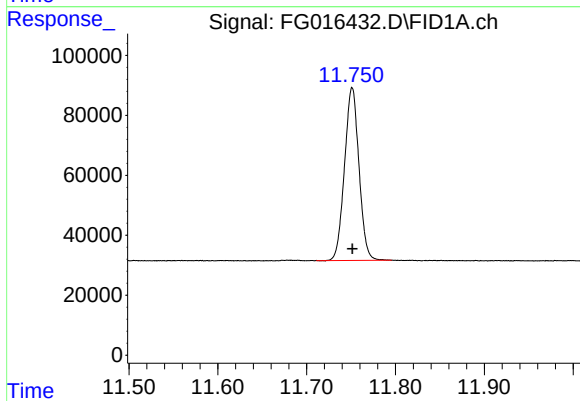
#6 n-Tetradecane (C14)

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 619409
Conc: 5.37 ug/ml



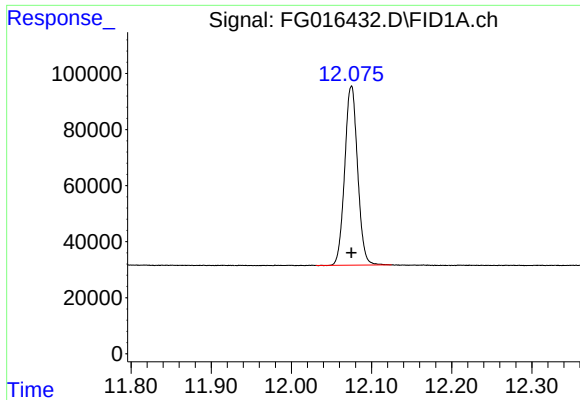
#7 n-Hexadecane (C16)

R.T.: 10.297 min
Delta R.T.: 0.000 min
Response: 643145
Conc: 5.39 ug/ml



#8 n-Octadecane (C18)

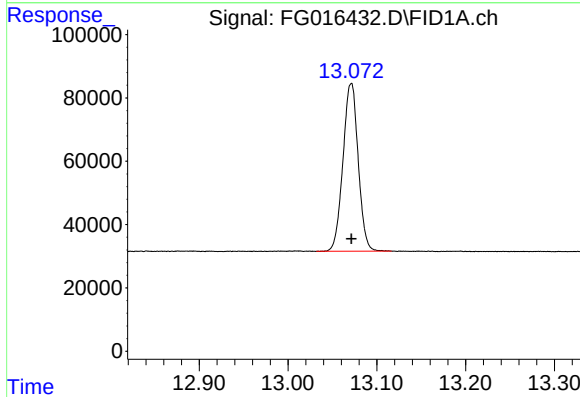
R.T.: 11.751 min
Delta R.T.: 0.000 min
Response: 652468
Conc: 5.40 ug/ml



#9 ortho-Terphenyl (SURR)

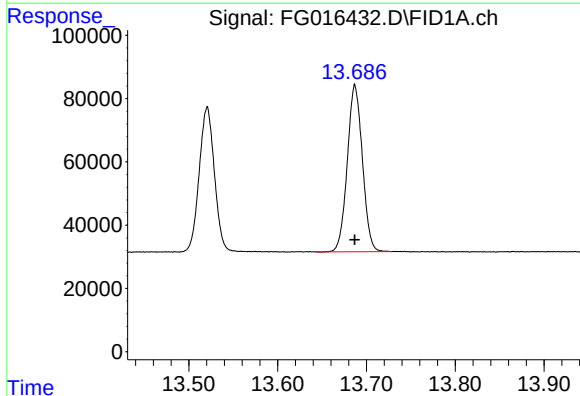
R.T.: 12.075 min
Delta R.T.: 0.000 min
Response: 712065
Conc: 5.38 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



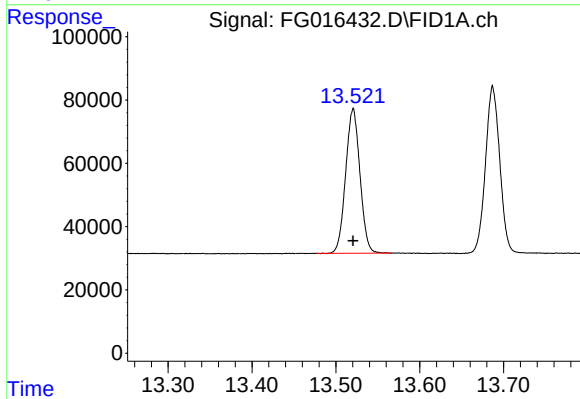
#10 n-Eicosane (C20)

R.T.: 13.071 min
Delta R.T.: 0.000 min
Response: 631371
Conc: 5.41 ug/ml



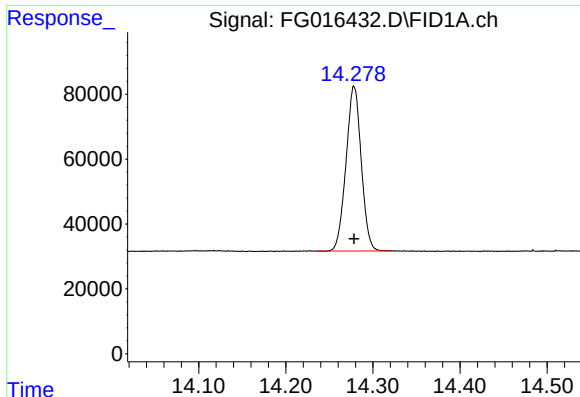
#11 n-Heneicosane (C21)

R.T.: 13.687 min
Delta R.T.: 0.000 min
Response: 622765
Conc: 5.42 ug/ml



#12 1-chlorooctadecane (SURR)

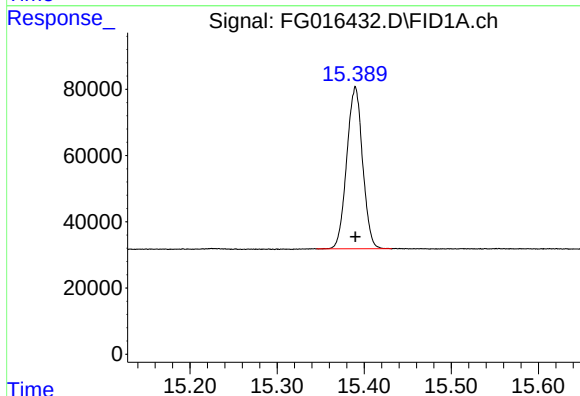
R.T.: 13.521 min
Delta R.T.: 0.000 min
Response: 541931
Conc: 5.38 ug/ml



#13 n-Docosane (C22)

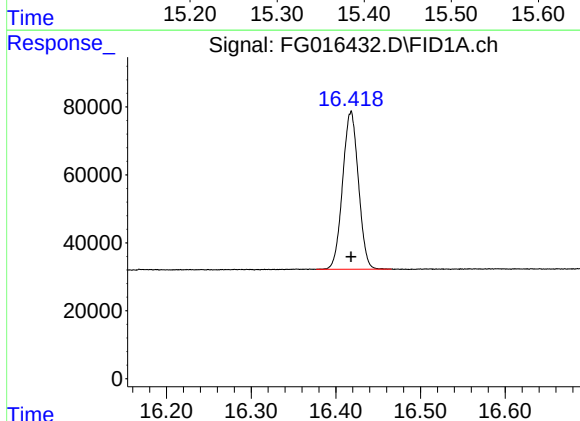
R.T.: 14.278 min
Delta R.T.: 0.000 min
Response: 616913
Conc: 5.40 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



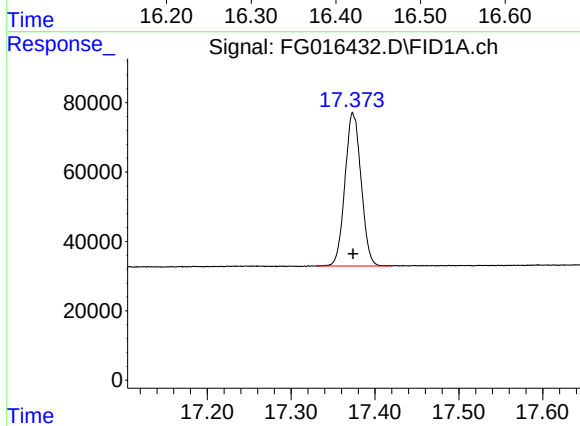
#14 n-Tetracosane (C24)

R.T.: 15.390 min
Delta R.T.: 0.000 min
Response: 617105
Conc: 5.43 ug/ml



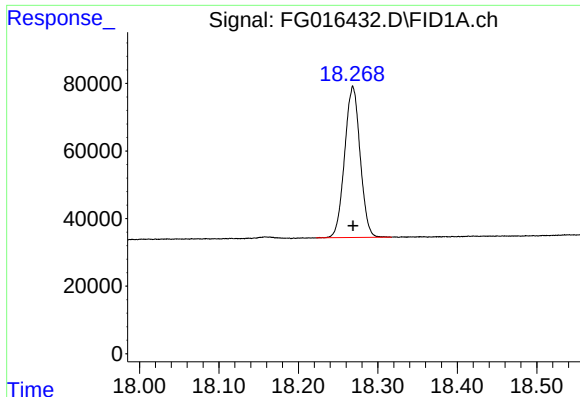
#15 n-Hexacosane (C26)

R.T.: 16.418 min
Delta R.T.: 0.000 min
Response: 601150
Conc: 5.41 ug/ml



#16 n-Octacosane (C28)

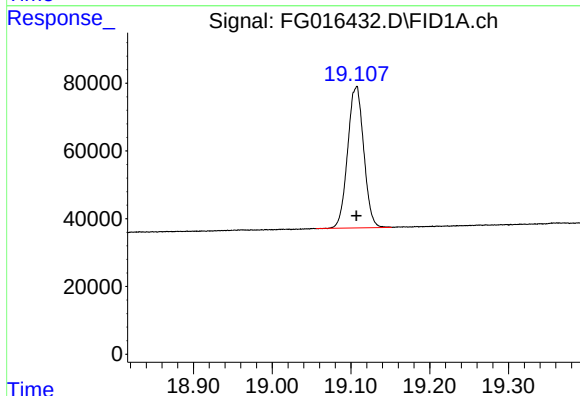
R.T.: 17.374 min
Delta R.T.: 0.000 min
Response: 589630
Conc: 5.45 ug/ml



#17 n-Tricontane (C30)

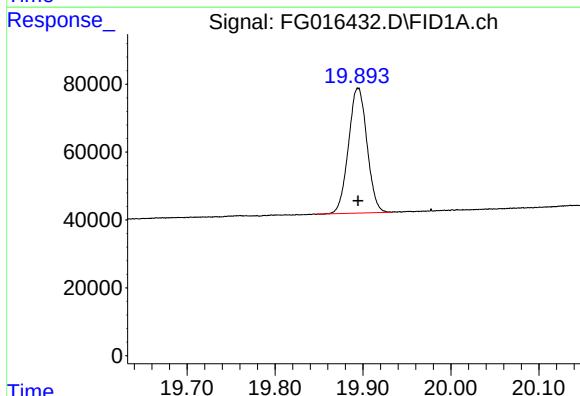
R.T.: 18.269 min
Delta R.T.: 0.000 min
Response: 605824
Conc: 5.55 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



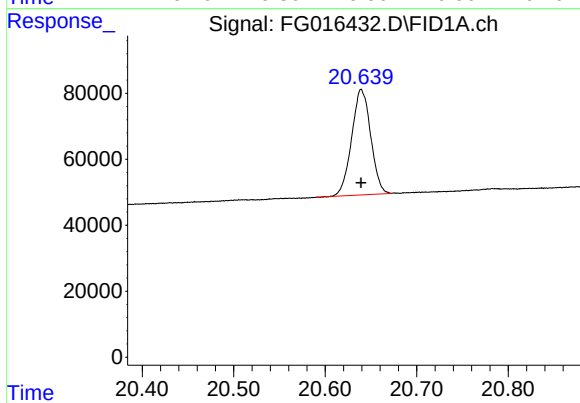
#18 n-Dotriacontane (C32)

R.T.: 19.107 min
Delta R.T.: 0.000 min
Response: 590774
Conc: 5.62 ug/ml



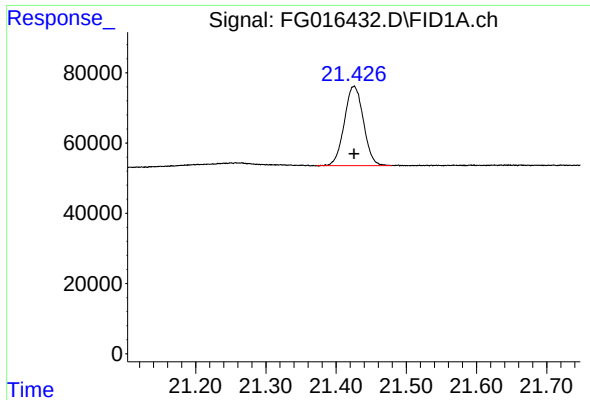
#19 n-Tetratriacontane (C34)

R.T.: 19.894 min
Delta R.T.: 0.000 min
Response: 538538
Conc: 5.61 ug/ml



#20 n-Hexatriacontane (C36)

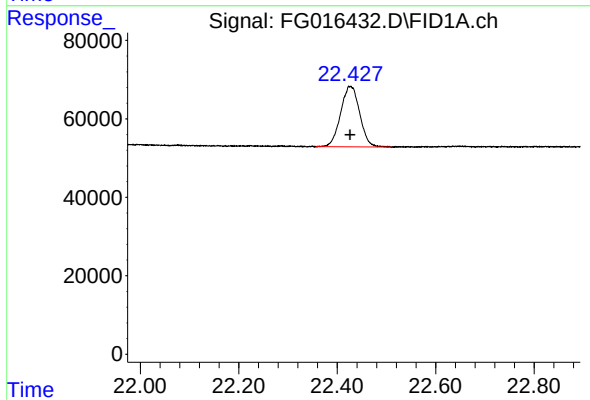
R.T.: 20.639 min
Delta R.T.: 0.000 min
Response: 462523
Conc: 5.53 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.426 min
Delta R.T.: 0.000 min
Response: 426356
Conc: 5.54 ug/ml

Instrument :
FID_G
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.427 min
Delta R.T.: 0.000 min
Response: 412555
Conc: 5.55 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016432.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 11:31
 Sample : 5 PPM ALIPHATIC HC STD5
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.394	3.353	3.436	BB	63189	610616	85.75%	4.697%
2	4.656	4.629	4.698	BB	63426	621256	87.25%	4.778%
3	6.376	6.343	6.428	BB	65099	649272	91.18%	4.994%
4	6.836	6.808	6.879	BB	62060	622609	87.44%	4.789%
5	7.479	7.437	7.556	BB	53979	613133	86.11%	4.716%
6	8.678	8.638	8.744	BB	55638	619409	86.99%	4.764%
7	10.297	10.255	10.348	BB	55640	643145	90.32%	4.947%
8	11.751	11.711	11.796	BB	57548	652468	91.63%	5.018%
9	12.075	12.031	12.125	BB	63938	712065	100.00%	5.477%
10	13.071	13.032	13.117	BB	52896	631371	88.67%	4.856%
11	13.521	13.477	13.567	BB	45912	541931	76.11%	4.168%
12	13.687	13.643	13.728	BB	52949	622765	87.46%	4.790%
13	14.278	14.235	14.322	BB	50764	616913	86.64%	4.745%
14	15.390	15.345	15.432	BB	48972	617105	86.66%	4.746%
15	16.418	16.377	16.466	BB	46208	601150	84.42%	4.624%
16	17.374	17.330	17.420	BB	44184	589630	82.81%	4.535%
17	18.269	18.223	18.318	BB	44846	605824	85.08%	4.660%
18	19.107	19.056	19.152	BB	41601	590774	82.97%	4.544%
19	19.894	19.847	19.933	BB	36751	538538	75.63%	4.142%
20	20.639	20.590	20.672	BB	32024	462523	64.96%	3.557%
21	21.426	21.372	21.479	BB	22643	426356	59.88%	3.279%
22	22.427	22.357	22.510	BB	15385	412555	57.94%	3.173%
Sum of corrected areas:							13001407	

Aliphatic EPH 082825.M Thu Aug 28 12:39:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016433.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 12:00
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
 Quant Time: Aug 28 12:19:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 28 12:01:28 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)	12.077	2636946	19.918 ug/ml
Spiked Amount 50.000		Recovery =	39.84%
12) S 1-chlorooctadecane (S...	13.522	2007356	19.942 ug/ml
Spiked Amount 50.000		Recovery =	39.88%
Target Compounds			
1) T n-Nonane (C9)	3.394	2250558	19.894 ug/ml
2) T n-Decane (C10)	4.656	2288873	19.884 ug/ml
3) T A~Naphthalene (C11.7)	6.376	2487775	20.034 ug/ml
4) T n-Dodecane (C12)	6.838	2309255	19.906 ug/ml
5) T A~2-methylnaphthalene...	7.480	2394760	20.076 ug/ml
6) T n-Tetradecane (C14)	8.678	2297738	19.914 ug/ml
7) T n-Hexadecane (C16)	10.298	2374028	19.889 ug/ml
8) T n-Octadecane (C18)	11.752	2404253	19.898 ug/ml
10) T n-Eicosane (C20)	13.072	2318928	19.878 ug/ml
11) T n-Heneicosane (C21)	13.688	2286955	19.897 ug/ml
13) T n-Docosane (C22)	14.280	2275641	19.917 ug/ml
14) T n-Tetracosane (C24)	15.391	2266968	19.930 ug/ml
15) T n-Hexacosane (C26)	16.420	2213541	19.935 ug/ml
16) T n-Octacosane (C28)	17.377	2152761	19.913 ug/ml
17) T n-Tricontane (C30)	18.270	2177192	19.934 ug/ml
18) T n-Dotriacontane (C32)	19.109	2097050	19.946 ug/ml
19) T n-Tetratriacontane (C34)	19.897	1916299	19.955 ug/ml
20) T n-Hexatriacontane (C36)	20.642	1666053	19.923 ug/ml
21) T n-Octatriacontane (C38)	21.427	1525368	19.811 ug/ml
22) T n-Tetracontane (C40)	22.429	1460690	19.661 ug/ml

(f)=RT Delta > 1/2 Window

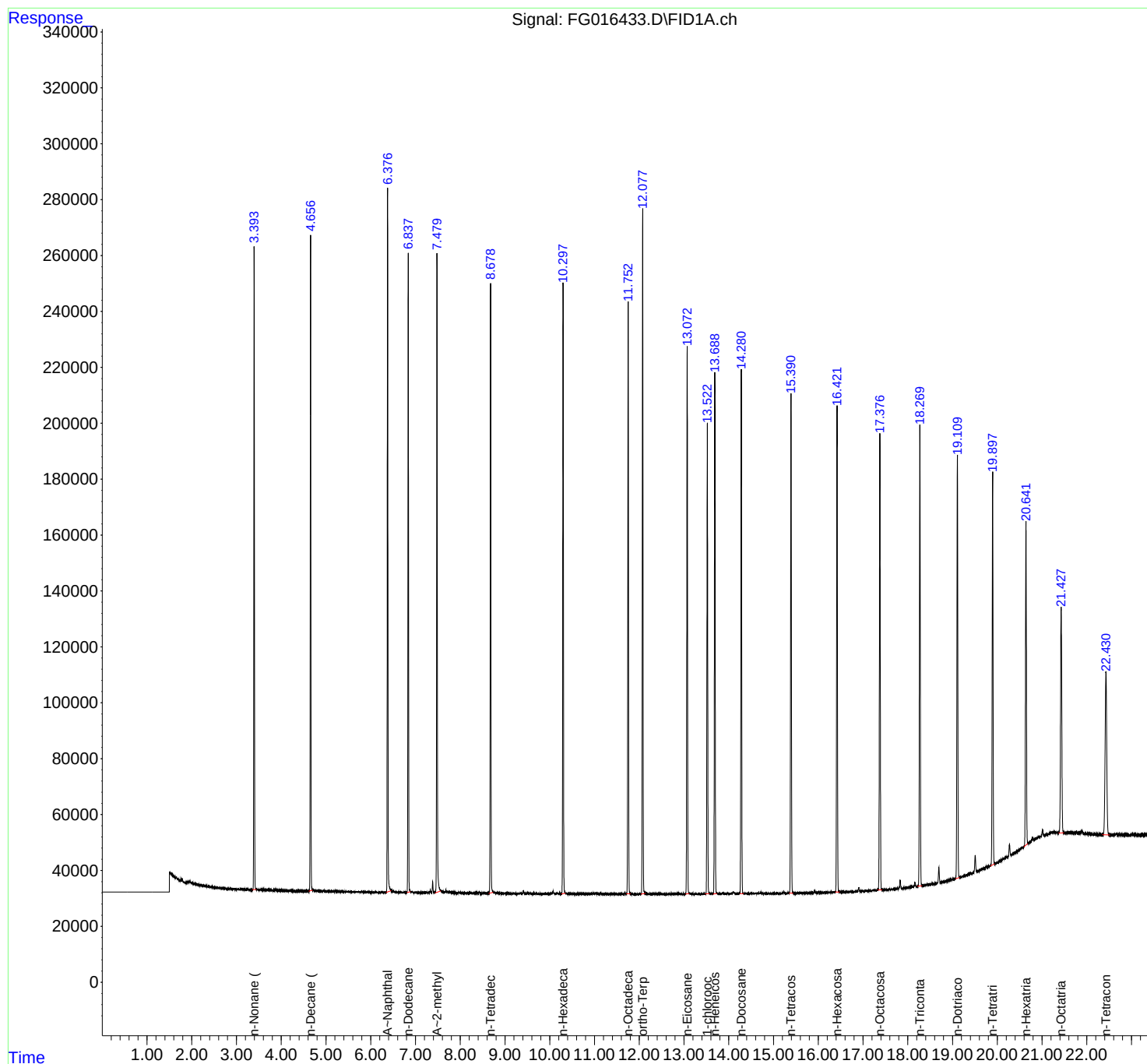
(m)=manual int.

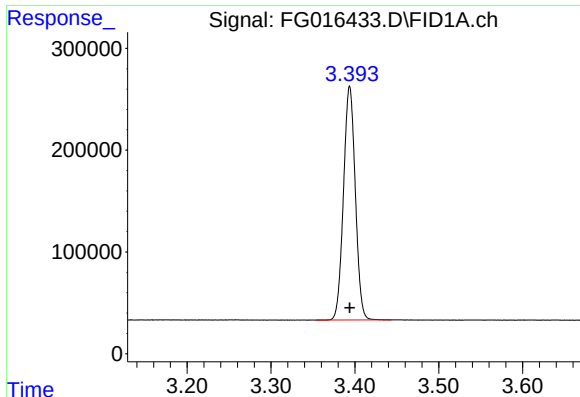
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
Data File : FG016433.D
Signal(s) : FID1A.ch
Acq On : 28 Aug 2025 12:00
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Aug 28 12:19:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
Quant Title : GC Extractables
QLast Update : Thu Aug 28 12:01:28 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um





#1 n-Nonane (C9)

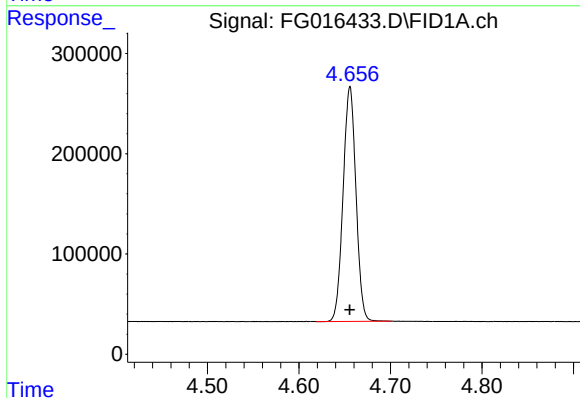
R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 2250558
Conc: 19.89 ug/ml

Instrument :

FID_G

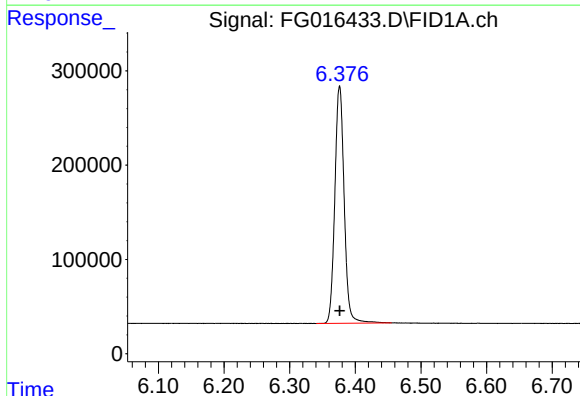
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



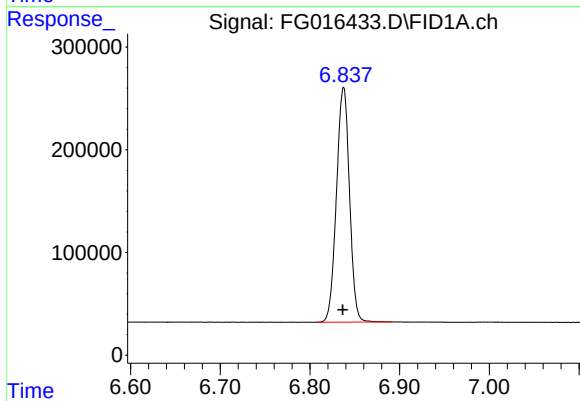
#2 n-Decane (C10)

R.T.: 4.656 min
Delta R.T.: 0.000 min
Response: 2288873
Conc: 19.88 ug/ml



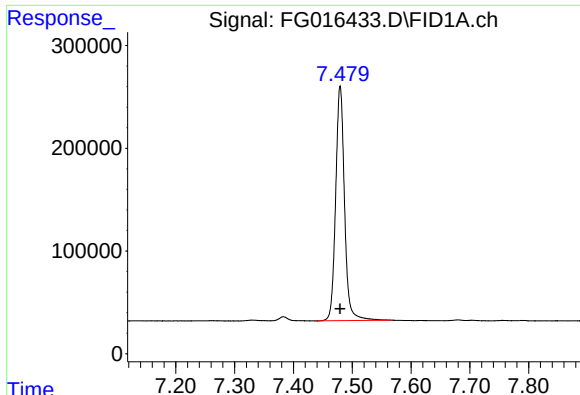
#3 A~Naphthalene (C11.7)

R.T.: 6.376 min
Delta R.T.: 0.000 min
Response: 2487775
Conc: 20.03 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.838 min
Delta R.T.: 0.001 min
Response: 2309255
Conc: 19.91 ug/ml



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

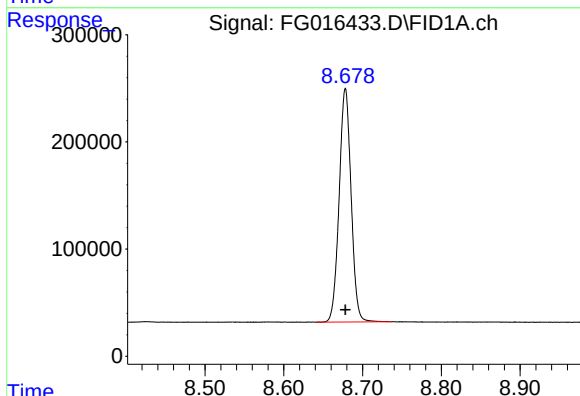
R.T.: 7.480 min
Delta R.T.: 0.000 min
Response: 2394760
Conc: 20.08 ug/ml

Instrument :

FID_G

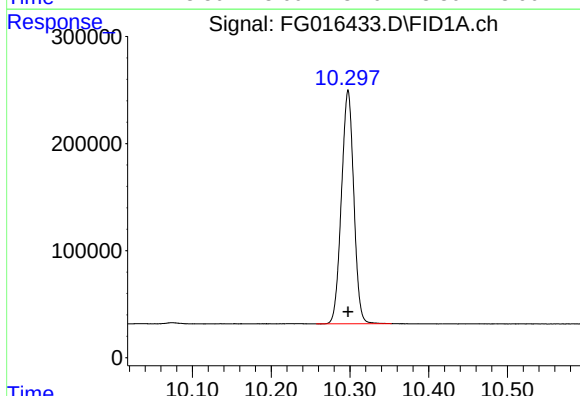
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



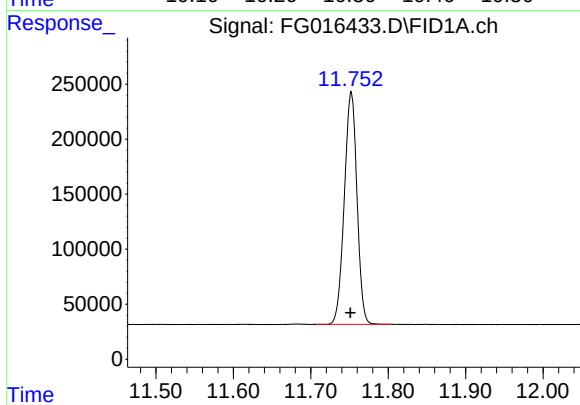
#6 n-Tetradecane (C14)

R.T.: 8.678 min
Delta R.T.: 0.000 min
Response: 2297738
Conc: 19.91 ug/ml



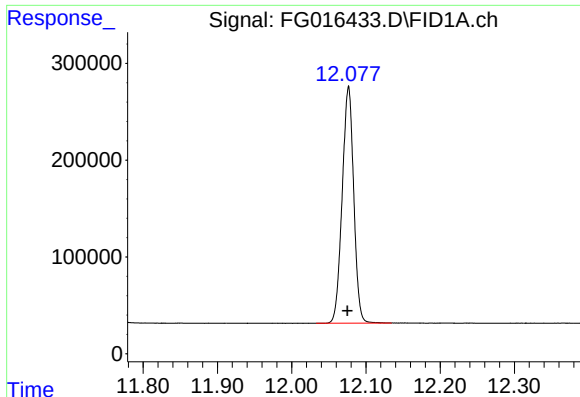
#7 n-Hexadecane (C16)

R.T.: 10.298 min
Delta R.T.: 0.000 min
Response: 2374028
Conc: 19.89 ug/ml



#8 n-Octadecane (C18)

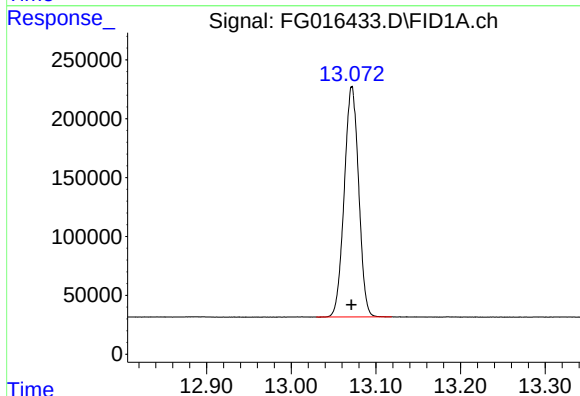
R.T.: 11.752 min
Delta R.T.: 0.000 min
Response: 2404253
Conc: 19.90 ug/ml



#9 ortho-Terphenyl (SURR)

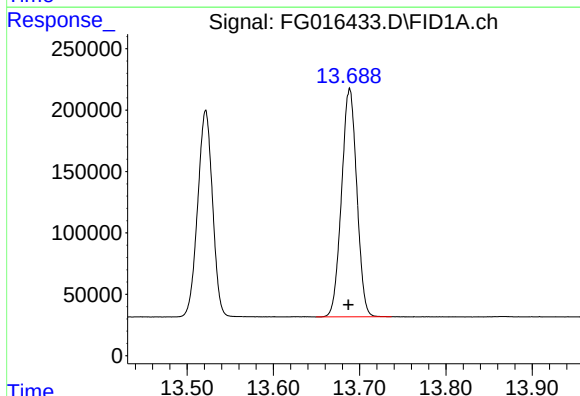
R.T.: 12.077 min
Delta R.T.: 0.002 min
Response: 2636946
Conc: 19.92 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



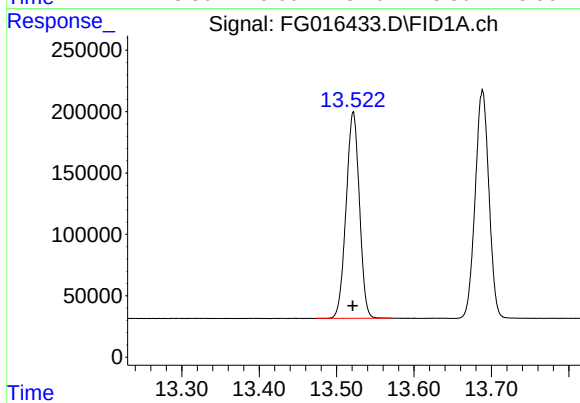
#10 n-Eicosane (C20)

R.T.: 13.072 min
Delta R.T.: 0.000 min
Response: 2318928
Conc: 19.88 ug/ml



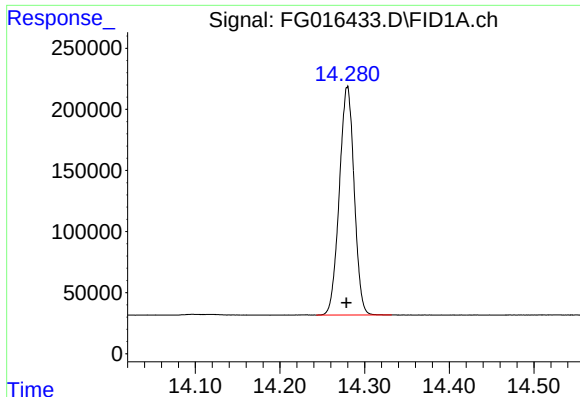
#11 n-Heneicosane (C21)

R.T.: 13.688 min
Delta R.T.: 0.001 min
Response: 2286955
Conc: 19.90 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.522 min
Delta R.T.: 0.000 min
Response: 2007356
Conc: 19.94 ug/ml



#13 n-Docosane (C22)

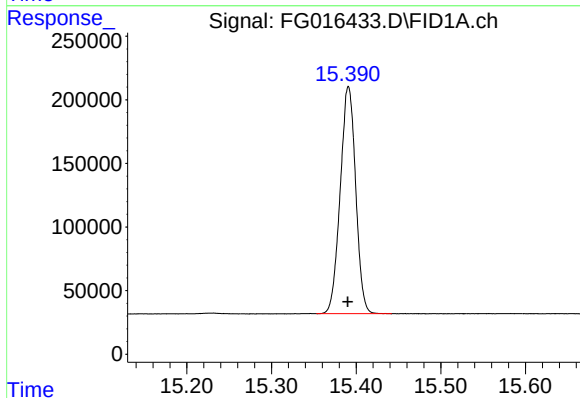
R.T.: 14.280 min
Delta R.T.: 0.001 min
Response: 2275641
Conc: 19.92 ug/ml

Instrument :

FID_G

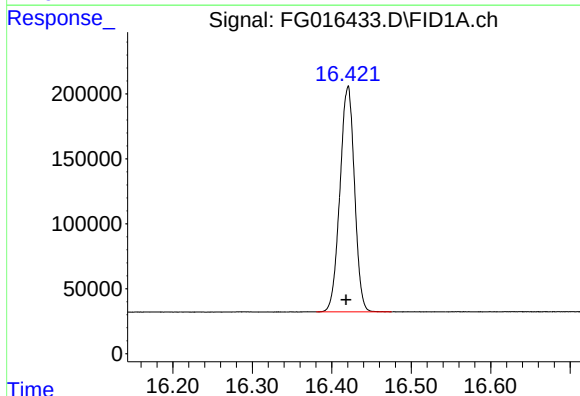
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



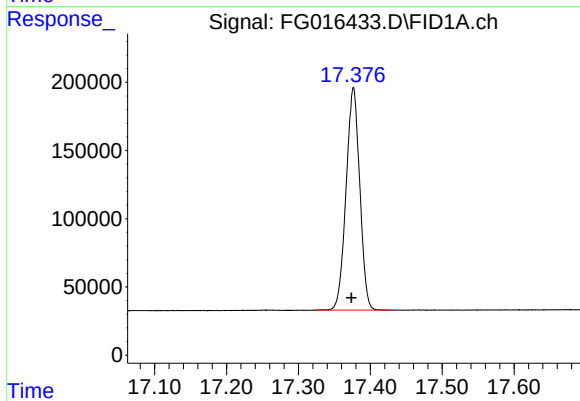
#14 n-Tetracosane (C24)

R.T.: 15.391 min
Delta R.T.: 0.000 min
Response: 2266968
Conc: 19.93 ug/ml



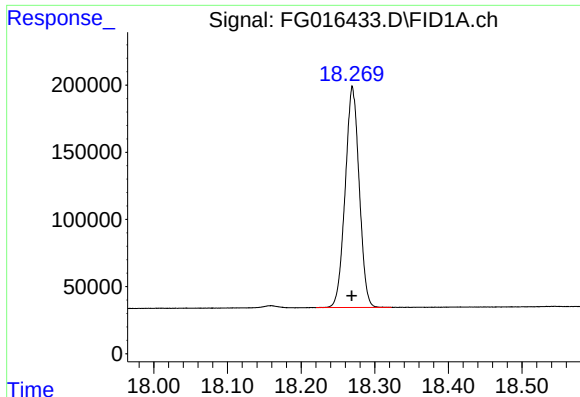
#15 n-Hexacosane (C26)

R.T.: 16.420 min
Delta R.T.: 0.003 min
Response: 2213541
Conc: 19.93 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.377 min
Delta R.T.: 0.003 min
Response: 2152761
Conc: 19.91 ug/ml



#17 n-Tricontane (C30)

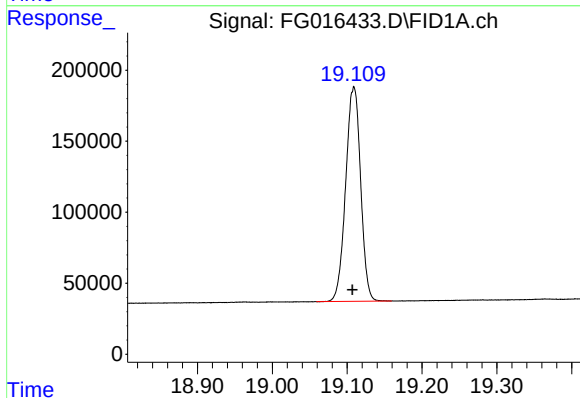
R.T.: 18.270 min
Delta R.T.: 0.000 min
Response: 2177192
Conc: 19.93 ug/ml

Instrument :

FID_G

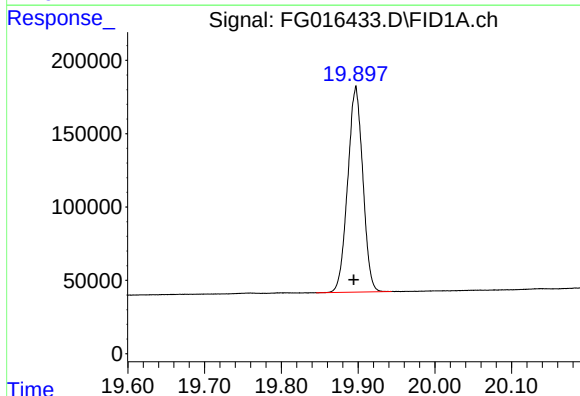
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



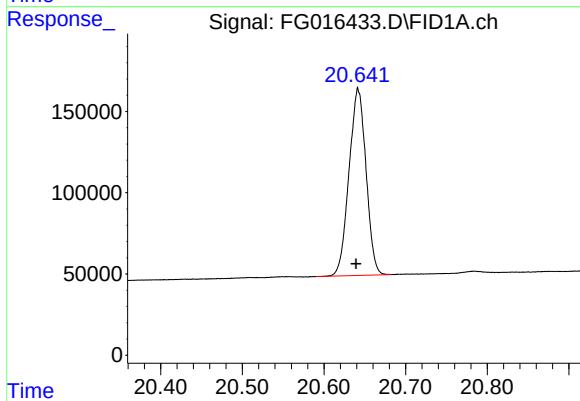
#18 n-Dotriacontane (C32)

R.T.: 19.109 min
Delta R.T.: 0.002 min
Response: 2097050
Conc: 19.95 ug/ml



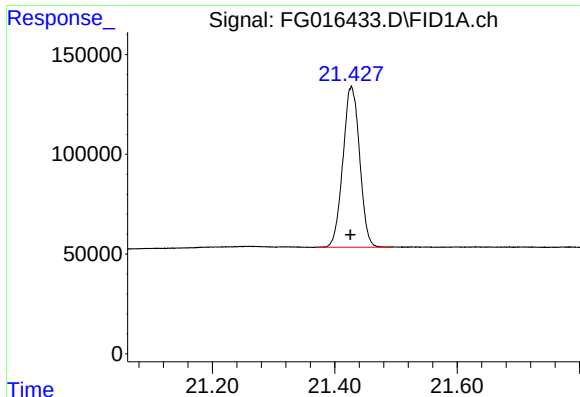
#19 n-Tetratriacontane (C34)

R.T.: 19.897 min
Delta R.T.: 0.003 min
Response: 1916299
Conc: 19.96 ug/ml



#20 n-Hexatriacontane (C36)

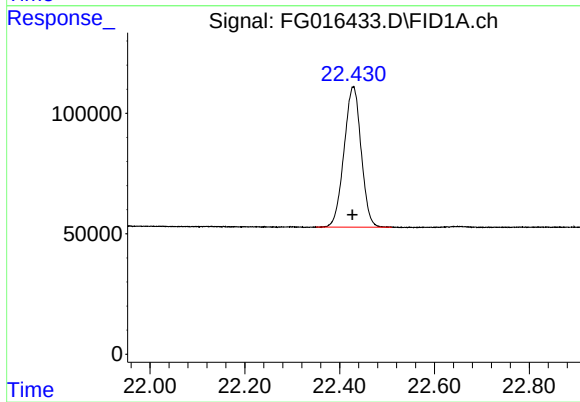
R.T.: 20.642 min
Delta R.T.: 0.003 min
Response: 1666053
Conc: 19.92 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.427 min
Delta R.T.: 0.002 min
Response: 1525368
Conc: 19.81 ug/ml

Instrument :
FID_G
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.429 min
Delta R.T.: 0.002 min
Response: 1460690
Conc: 19.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG082825AL\
 Data File : FG016433.D
 Signal(s) : FID1A.ch
 Acq On : 28 Aug 2025 12:00
 Sample : 20 PPM ALIPHATIC HC STD ICV
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 082825.M
 Title : GC Extractables

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.394	3.354	3.444	BB	230011	2250558	85.35%	4.707%
2	4.656	4.619	4.701	BB	234691	2288873	86.80%	4.788%
3	6.376	6.340	6.455	BB	251756	2487775	94.34%	5.204%
4	6.838	6.807	6.891	BB	228722	2309255	87.57%	4.830%
5	7.480	7.439	7.567	BB	228271	2394760	90.82%	5.009%
6	8.678	8.641	8.737	BB	218357	2297738	87.14%	4.806%
7	10.298	10.257	10.353	BB	218425	2374028	90.03%	4.966%
8	11.752	11.707	11.805	BB	211708	2404253	91.18%	5.029%
9	12.077	12.033	12.135	BB	245472	2636946	100.00%	5.516%
10	13.072	13.030	13.119	BB	195831	2318928	87.94%	4.850%
11	13.522	13.474	13.571	BB	168753	2007356	76.12%	4.199%
12	13.688	13.650	13.737	BB	186336	2286955	86.73%	4.784%
13	14.280	14.243	14.332	BB	186322	2275641	86.30%	4.760%
14	15.391	15.353	15.442	BB	178728	2266968	85.97%	4.742%
15	16.420	16.380	16.475	BB	173473	2213541	83.94%	4.630%
16	17.377	17.325	17.430	BB	163391	2152761	81.64%	4.503%
17	18.270	18.220	18.323	BB	164681	2177192	82.56%	4.554%
18	19.109	19.059	19.160	BB	151335	2097050	79.53%	4.386%
19	19.897	19.845	19.944	BB	140326	1916299	72.67%	4.008%
20	20.642	20.590	20.683	BB	114637	1666053	63.18%	3.485%
21	21.427	21.370	21.493	BB	80862	1525368	57.85%	3.191%
22	22.429	22.350	22.510	BB	58105	1460690	55.39%	3.055%
Sum of corrected areas:							47808986	

Aliphatic EPH 082825.M Thu Aug 28 12:40:21 2025