284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FE041725AL

AreaCount

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	40273090.000	19897378.000	8360865.000	4326048.000	2135544.000	
Aliphatic C12-C16	27441716.000	13492815.000	5715907.000	2962308.000	1458806.000	
Aliphatic C16-C21	41381922.000	20604545.000	8806501.000	4584729.000	2278742.000	
Aliphatic C21-C28	52866206.000	26808218.000	11424282.000	6149304.000	2962608.000	
Aliphatic C28-C40	71474370.000	36798070.000	15512235.000	8329821.000	4060883.000	
Aliphatic EPH	233437304.000	117601026.000	49819790.000	26352210.000	12896583.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	138562.3539998	3.618				
Aliphatic C12-C16	141806.081	3.959				
Aliphatic C16-C21	145363.7646664	5.098				
Aliphatic C21-C28	142174.626	6.444				
Aliphatic C28-C40	129049.1849998	6.424				
Aliphatic EPH	137688.0073328	5.4				

Concentration

Parameter Range	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.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	FE053387.D	FE053388.D	FE053389.D	FE053390.D	FE053391.D	
Aliphatic C9-C12	134243.633333	132649.186666	139347.750000	144201.600000	142369.600000	
Aliphatic C12-C16	137208.580000	134928.150000	142897.675000	148115.400000	145880.600000	
Aliphatic C16-C21	137939.740000	137363.633333	146775.016666	152824.300000	151916.133333	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Inital Calibration Report for SequenceID : FE041725AL

Aliphatic C21-C28	132165.515000	134041.090000	142803.525000	153732.600000	148130.400000	
Aliphatic C28-C40	119123.950000	122660.233333	129268.625000	138830.350000	135362.766666	
Aliphatic EPH	129687.391111	130667.806666	138388.305555	146401.166666	143295.366666	

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053387.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 15:35
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 16 17:31:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 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)	11.897	17254133	97.377 ug/ml
Spiked Amount	50.000		Recovery =	194.75%
12)	S 1-chlorooctadecane (S...	13.340	12911819	97.103 ug/ml
Spiked Amount	50.000		Recovery =	194.21%
	Target Compounds			
1)	T n-Nonane (C9)	3.235	13201429	97.806 ug/ml
2)	T n-Decane (C10)	4.496	13423214	98.275 ug/ml
3)	T A~Naphthalene (C11.7)	6.209	14943300	98.978 ug/ml
4)	T n-Dodecane (C12)	6.677	13648447	98.315 ug/ml
5)	T A~2-methylnaphthalene...	7.313	14933440	99.120 ug/ml
6)	T n-Tetradecane (C14)	8.514	13623353	98.225 ug/ml
7)	T n-Hexadecane (C16)	10.129	13818363	97.718 ug/ml
8)	T n-Octadecane (C18)	11.580	13916696	97.192 ug/ml
10)	T n-Eicosane (C20)	12.893	13773973	96.784 ug/ml
11)	T n-Heneicosane (C21)	13.509	13691253	96.712 ug/ml
13)	T n-Docosane (C22)	14.097	13585495	96.579 ug/ml
14)	T n-Tetracosane (C24)	15.203	13396031	96.279 ug/ml
15)	T n-Hexacosane (C26)	16.227	13122804	96.079 ug/ml
16)	T n-Octacosane (C28)	17.179	12761876	95.559 ug/ml
17)	T n-Tricontane (C30)	18.070	12660425	95.282 ug/ml
18)	T n-Dotriacontane (C32)	18.905	12453995	95.078 ug/ml
19)	T n-Tetratriacontane (C34)	19.691	11958465	95.363 ug/ml
20)	T n-Hexatriacontane (C36)	20.431	11785134	96.522 ug/ml
21)	T n-Octatriacontane (C38)	21.171	11353126	96.357 ug/ml
22)	T n-Tetracontane (C40)	22.087	11263225	97.099 ug/ml

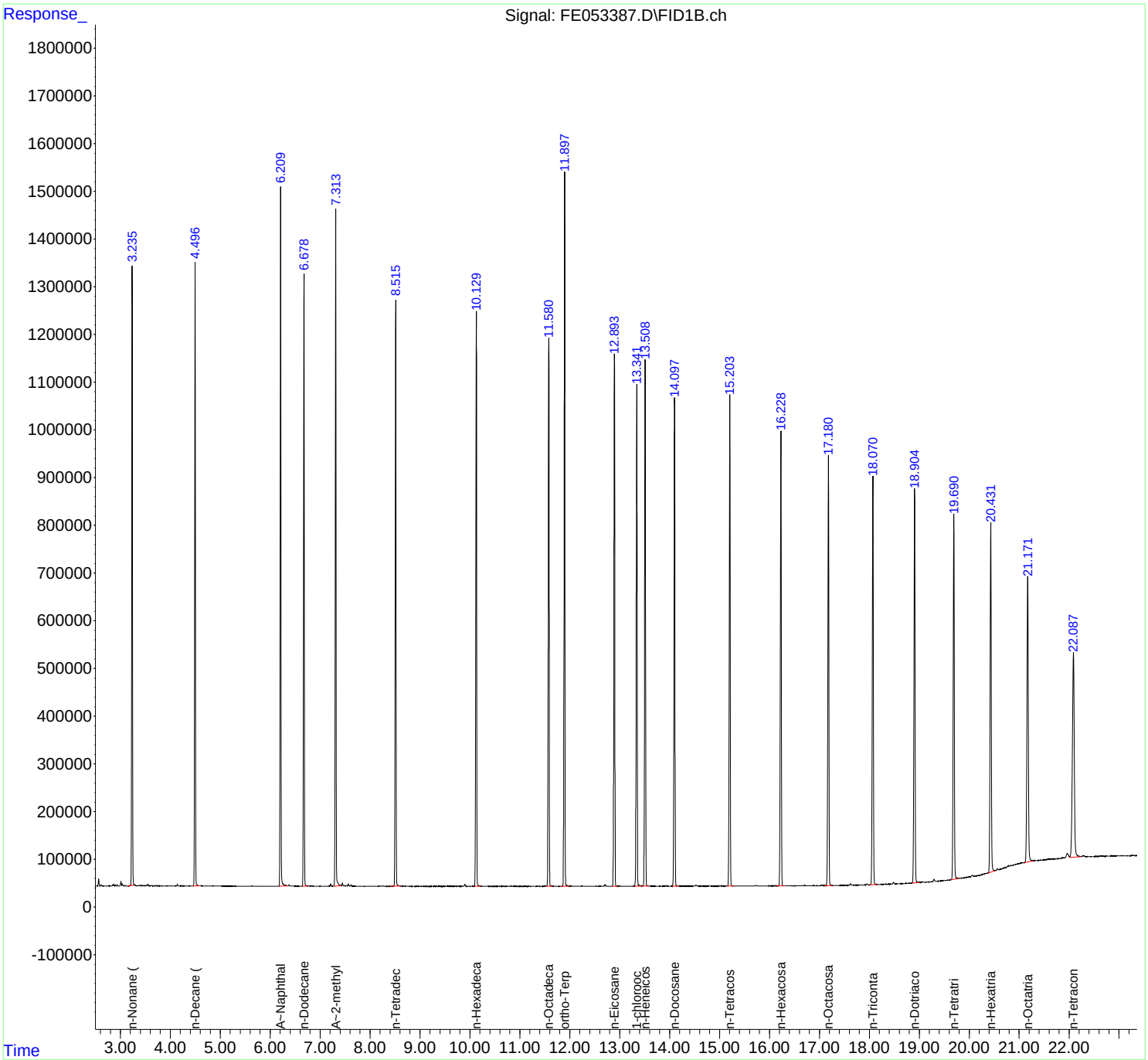
(f)=RT Delta > 1/2 Window (m)=manual int.

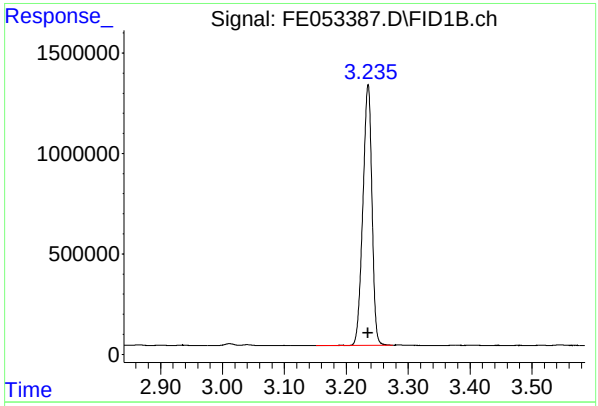
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053387.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 15:35
Operator : YP\AJ
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e
Quant Time: Apr 16 17:31:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

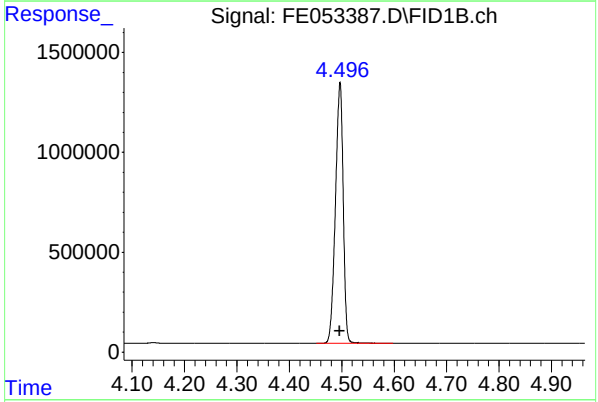




#1 n-Nonane (C9)

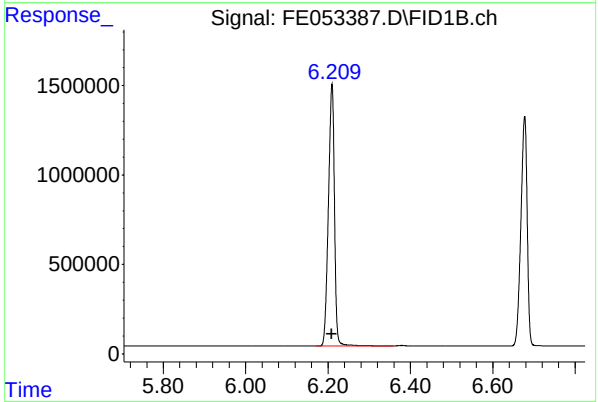
R.T.: 3.235 min
Delta R.T.: 0.000 min
Response: 13201429
Conc: 97.81 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



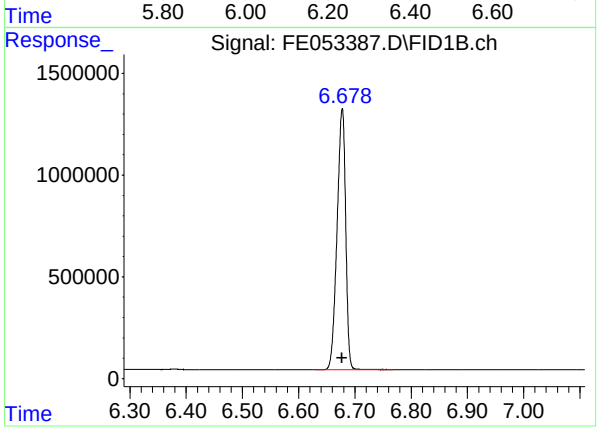
#2 n-Decane (C10)

R.T.: 4.496 min
Delta R.T.: 0.000 min
Response: 13423214
Conc: 98.27 ug/ml



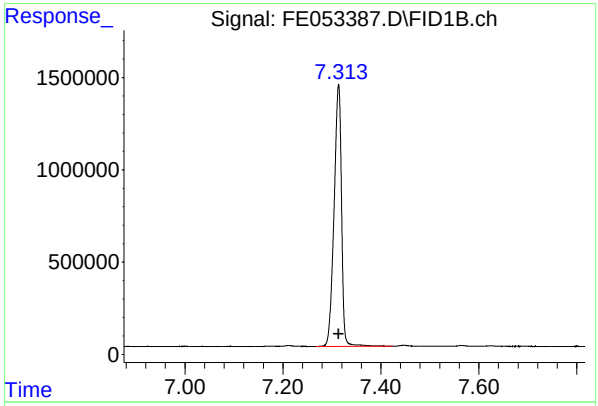
#3 A~Naphthalene (C11.7)

R.T.: 6.209 min
Delta R.T.: 0.000 min
Response: 14943300
Conc: 98.98 ug/ml



#4 n-Dodecane (C12)

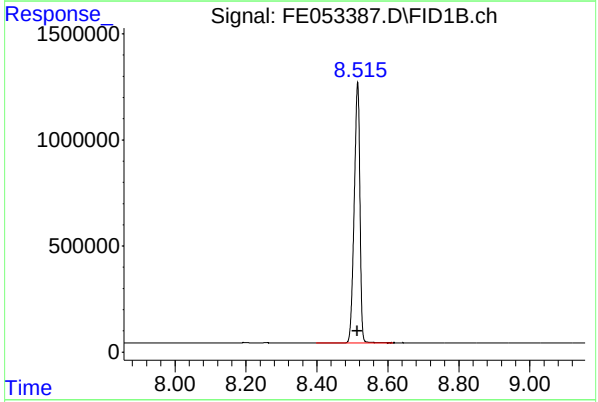
R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 13648447
Conc: 98.32 ug/ml



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

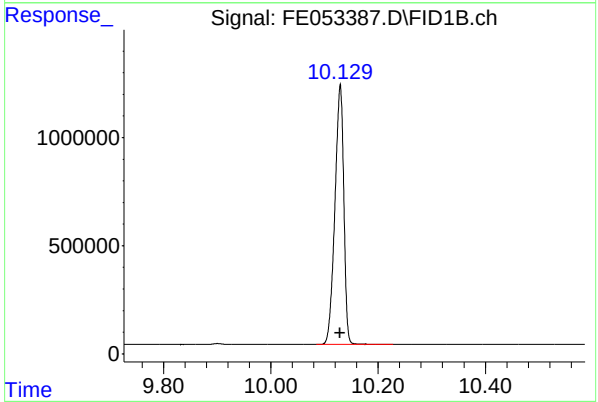
R.T.: 7.313 min
Delta R.T.: 0.000 min
Response: 14933440
Conc: 99.12 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



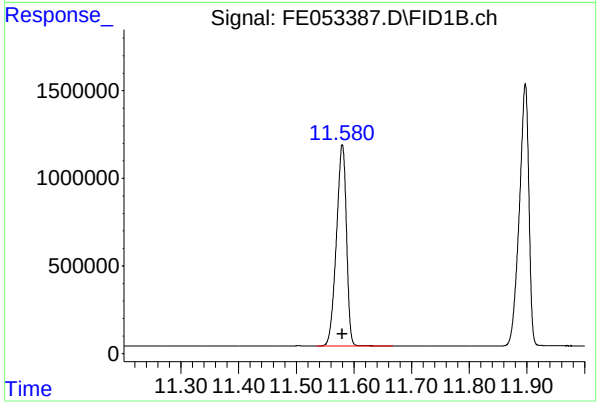
#6 n-Tetradecane (C14)

R.T.: 8.514 min
Delta R.T.: 0.000 min
Response: 13623353
Conc: 98.22 ug/ml



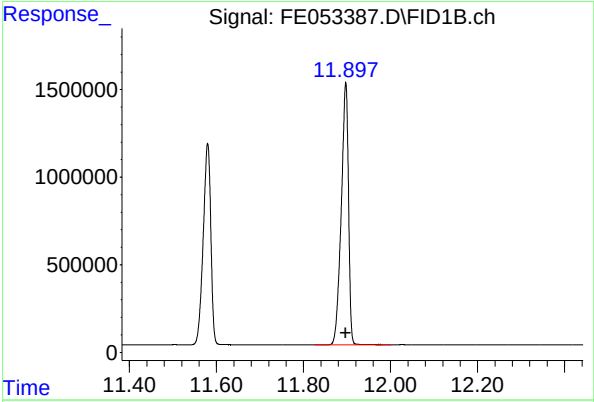
#7 n-Hexadecane (C16)

R.T.: 10.129 min
Delta R.T.: 0.000 min
Response: 13818363
Conc: 97.72 ug/ml



#8 n-Octadecane (C18)

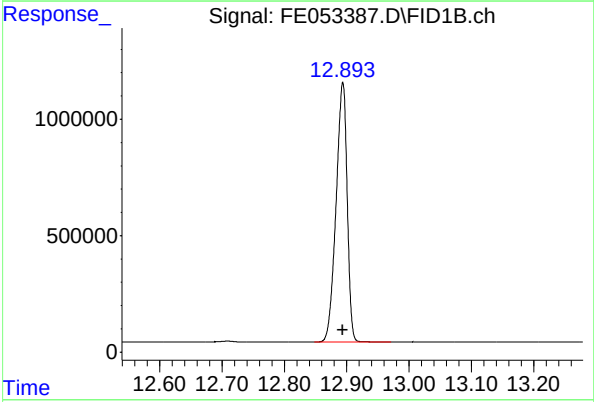
R.T.: 11.580 min
Delta R.T.: 0.000 min
Response: 13916696
Conc: 97.19 ug/ml



#9 ortho-Terphenyl (SURR)

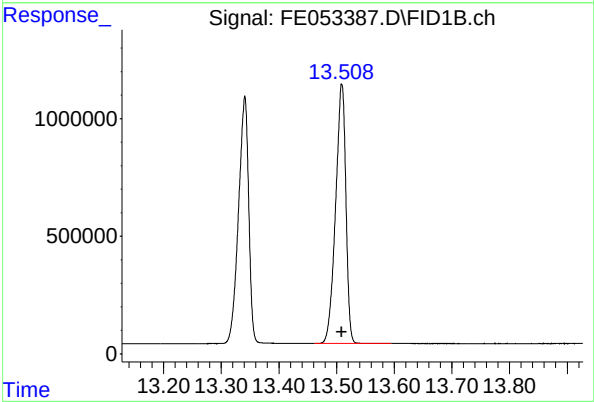
R.T.: 11.897 min
Delta R.T.: 0.000 min
Response: 17254133
Conc: 97.38 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



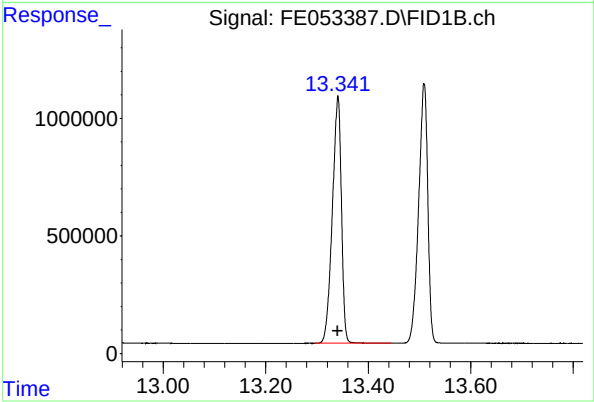
#10 n-Eicosane (C20)

R.T.: 12.893 min
Delta R.T.: 0.000 min
Response: 13773973
Conc: 96.78 ug/ml



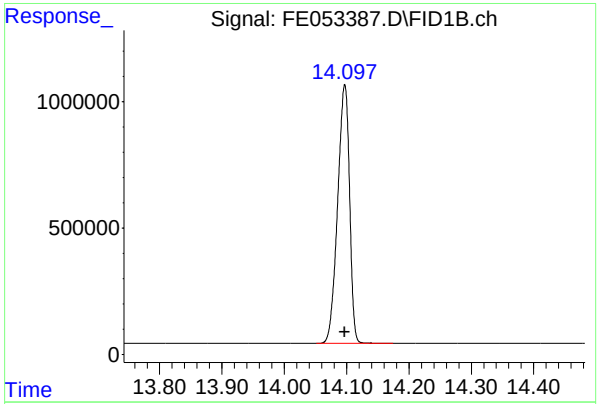
#11 n-Heneicosane (C21)

R.T.: 13.509 min
Delta R.T.: 0.000 min
Response: 13691253
Conc: 96.71 ug/ml



#12 1-chlorooctadecane (SURR)

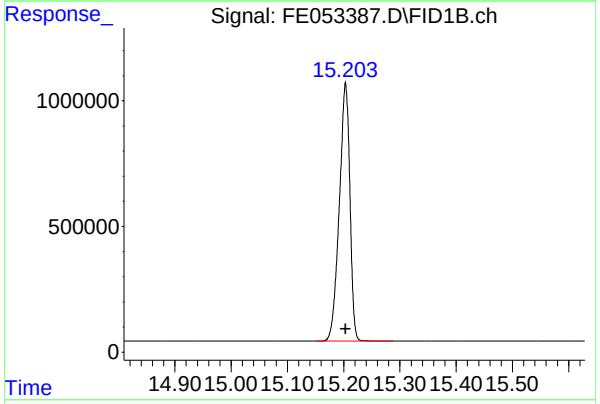
R.T.: 13.340 min
Delta R.T.: 0.000 min
Response: 12911819
Conc: 97.10 ug/ml



#13 n-Docosane (C22)

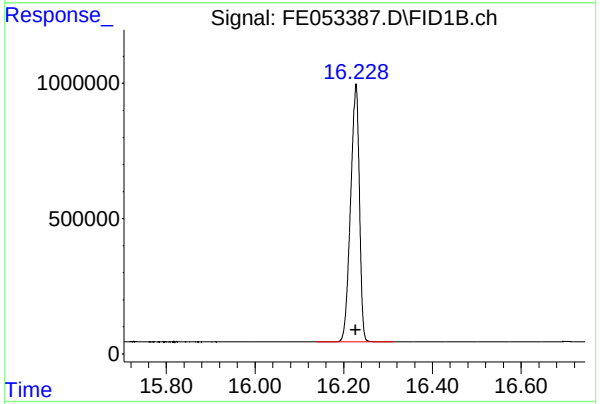
R.T.: 14.097 min
Delta R.T.: 0.000 min
Response: 13585495
Conc: 96.58 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



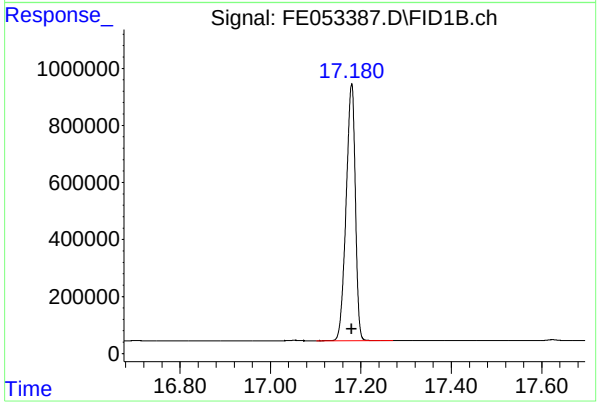
#14 n-Tetracosane (C24)

R.T.: 15.203 min
Delta R.T.: 0.000 min
Response: 13396031
Conc: 96.28 ug/ml



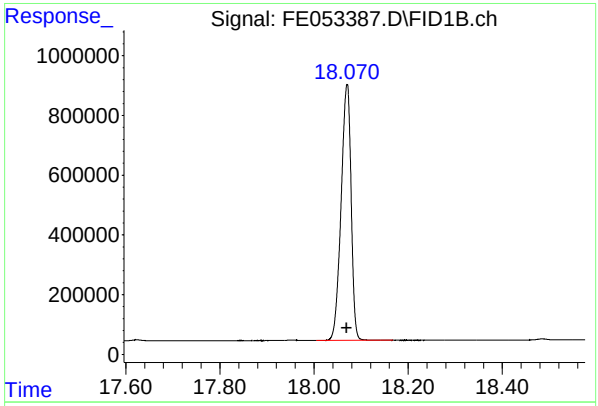
#15 n-Hexacosane (C26)

R.T.: 16.227 min
Delta R.T.: 0.000 min
Response: 13122804
Conc: 96.08 ug/ml



#16 n-Octacosane (C28)

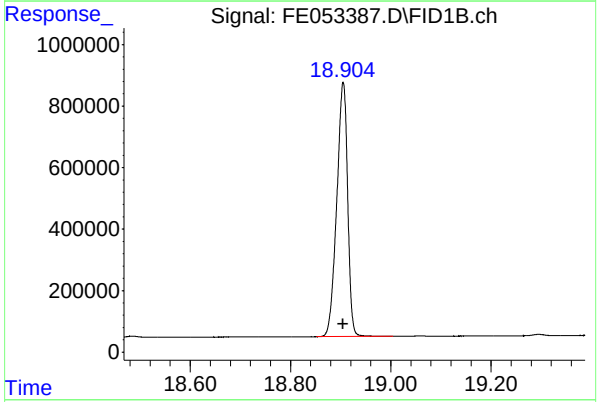
R.T.: 17.179 min
Delta R.T.: 0.000 min
Response: 12761876
Conc: 95.56 ug/ml



#17 n-Tricontane (C30)

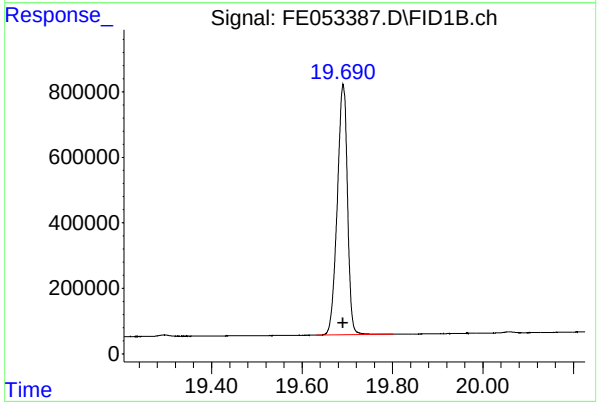
R.T.: 18.070 min
Delta R.T.: 0.000 min
Response: 12660425
Conc: 95.28 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



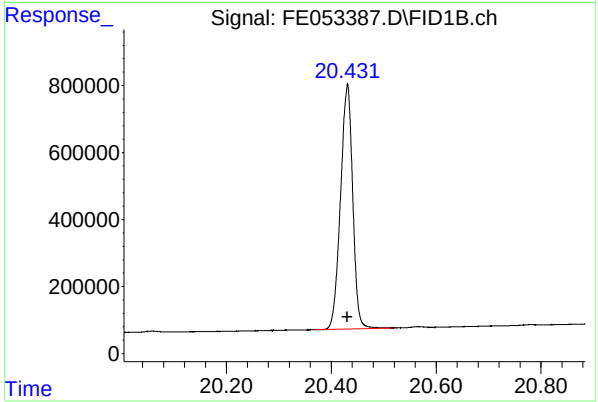
#18 n-Dotriacontane (C32)

R.T.: 18.905 min
Delta R.T.: 0.000 min
Response: 12453995
Conc: 95.08 ug/ml



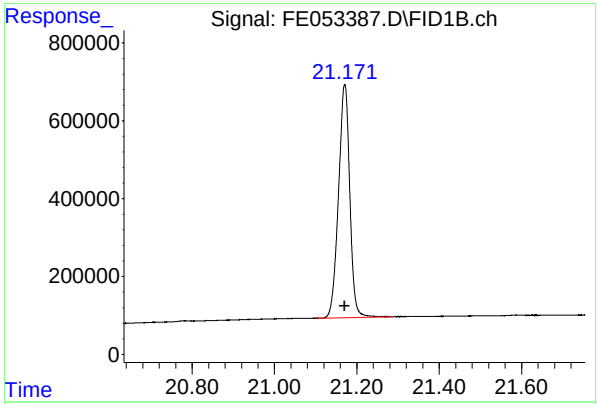
#19 n-Tetratriacontane (C34)

R.T.: 19.691 min
Delta R.T.: 0.000 min
Response: 11958465
Conc: 95.36 ug/ml



#20 n-Hexatriacontane (C36)

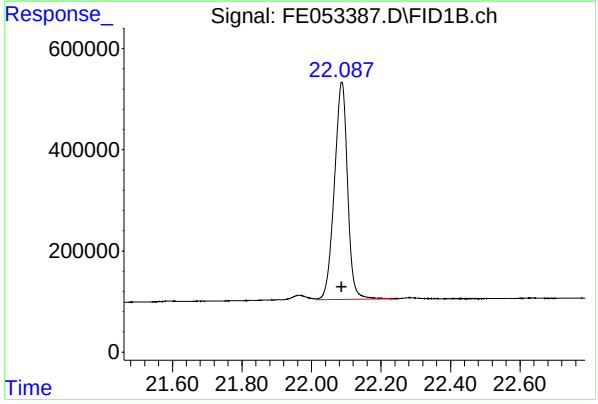
R.T.: 20.431 min
Delta R.T.: 0.000 min
Response: 11785134
Conc: 96.52 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.171 min
Delta R.T.: 0.000 min
Response: 11353126
Conc: 96.36 ug/ml

Instrument :
FID_E
ClientSampleId :
100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.087 min
Delta R.T.: 0.000 min
Response: 11263225
Conc: 97.10 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053387.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 15:35
Sample : 100 PPM ALIPHATIC HC STD1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.235	3.151	3.275	BV	1293097	13201429	76.51%	4.498%
2	4.496	4.451	4.598	BB	1319483	13423214	77.80%	4.574%
3	6.209	6.171	6.358	BV	1487035	14943300	86.61%	5.092%
4	6.677	6.631	6.768	BB	1292806	13648447	79.10%	4.651%
5	7.313	7.268	7.425	BV	1434572	14933440	86.55%	5.088%
6	8.514	8.398	8.614	BB	1226836	13623353	78.96%	4.642%
7	10.129	10.084	10.228	BB	1183838	13818363	80.09%	4.708%
8	11.580	11.534	11.668	BB	1155505	13916696	80.66%	4.742%
9	11.897	11.824	12.001	BB	1510414	17254133	100.00%	5.879%
10	12.893	12.848	12.971	BB	1122609	13773973	79.83%	4.693%
11	13.340	13.294	13.444	BB	1054518	12911819	74.83%	4.400%
12	13.509	13.461	13.594	BB	1104290	13691253	79.35%	4.665%
13	14.097	14.051	14.174	BB	1027855	13585495	78.74%	4.629%
14	15.203	15.151	15.288	BB	1022741	13396031	77.64%	4.565%
15	16.227	16.138	16.311	BB	954045	13122804	76.06%	4.471%
16	17.179	17.101	17.271	BB	910602	12761876	73.96%	4.348%
17	18.070	18.004	18.168	BB	866175	12660425	73.38%	4.314%
18	18.905	18.851	19.004	BB	829094	12453995	72.18%	4.244%
19	19.691	19.631	19.801	BB	764724	11958465	69.31%	4.075%
20	20.431	20.371	20.518	BV	730817	11785134	68.30%	4.016%
21	21.171	21.101	21.288	BB	599663	11353126	65.80%	3.868%
22	22.087	22.013	22.234	VV	429735	11263225	65.28%	3.838%

Sum of corrected areas: 293479995

Aliphatic EPH 041725.M Thu Apr 17 04:25:52 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053388.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 16:35
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 16 17:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 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)	11.890	8499004	48.625 ug/ml
Spiked Amount	50.000		Recovery =	97.25%
12) S	1-chlorooctadecane (S...	13.334	6421755	48.850 ug/ml
Spiked Amount	50.000		Recovery =	97.70%
	Target Compounds			
1) T	n-Nonane (C9)	3.231	6562926	49.074 ug/ml
2) T	n-Decane (C10)	4.492	6620620	48.970 ug/ml
3) T	A~Naphthalene (C11.7)	6.205	7332105	49.034 ug/ml
4) T	n-Dodecane (C12)	6.673	6713832	48.896 ug/ml
5) T	A~2-methylnaphthalene...	7.308	7291791	48.921 ug/ml
6) T	n-Tetradecane (C14)	8.510	6689138	48.805 ug/ml
7) T	n-Hexadecane (C16)	10.125	6803677	48.726 ug/ml
8) T	n-Octadecane (C18)	11.574	6892409	48.741 ug/ml
10) T	n-Eicosane (C20)	12.888	6864559	48.809 ug/ml
11) T	n-Heneicosane (C21)	13.502	6847577	48.901 ug/ml
13) T	n-Docosane (C22)	14.090	6821686	48.987 ug/ml
14) T	n-Tetracosane (C24)	15.197	6773377	49.113 ug/ml
15) T	n-Hexacosane (C26)	16.221	6677317	49.253 ug/ml
16) T	n-Octacosane (C28)	17.173	6535838	49.288 ug/ml
17) T	n-Tricontane (C30)	18.063	6526749	49.410 ug/ml
18) T	n-Dotriacontane (C32)	18.898	6438595	49.433 ug/ml
19) T	n-Tetratriacontane (C34)	19.683	6170453	49.468 ug/ml
20) T	n-Hexatriacontane (C36)	20.425	6039761	49.643 ug/ml
21) T	n-Octatriacontane (C38)	21.162	5881041	49.943 ug/ml
22) T	n-Tetracontane (C40)	22.075	5741471	49.663 ug/ml

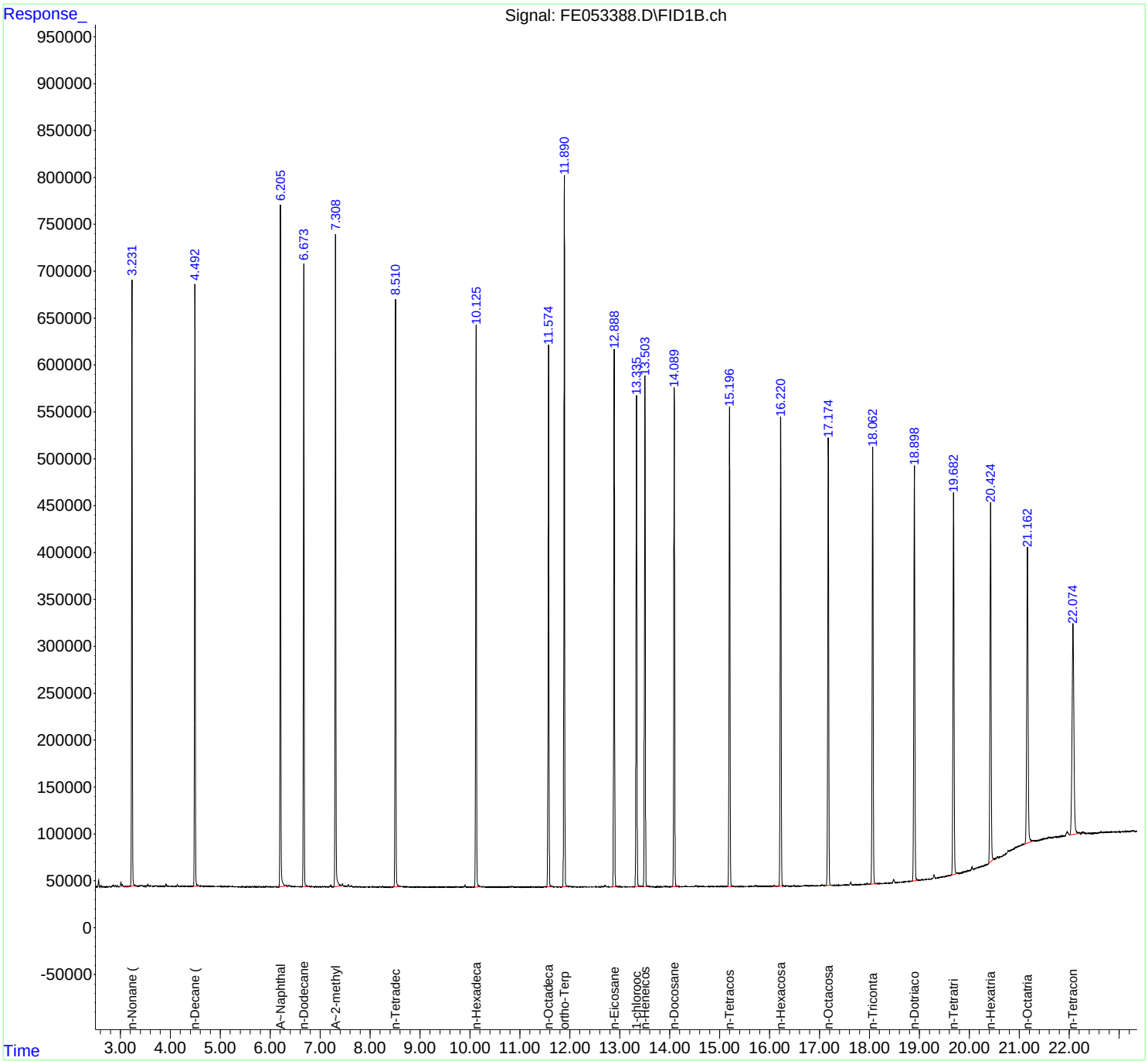
(f)=RT Delta > 1/2 Window (m)=manual int.

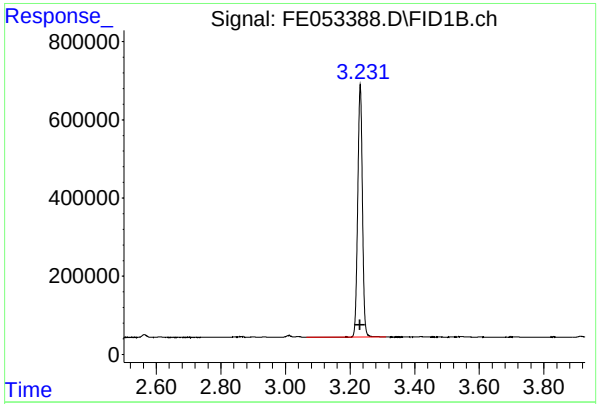
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053388.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 16:35
Operator : YP\AJ
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e
Quant Time: Apr 16 17:33:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

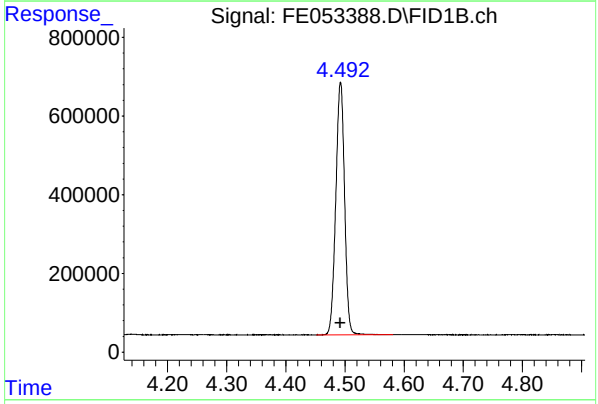




#1 n-Nonane (C9)

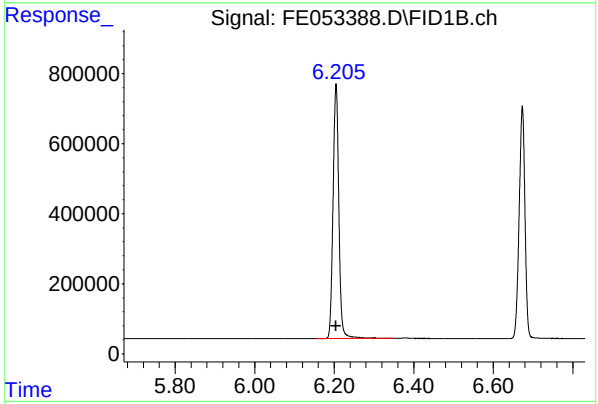
R.T.: 3.231 min
Delta R.T.: 0.000 min
Response: 6562926
Conc: 49.07 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



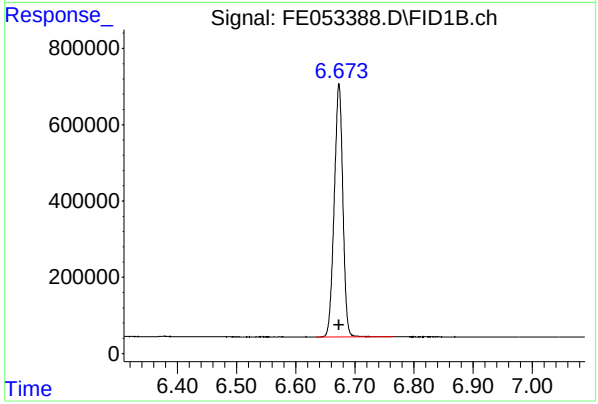
#2 n-Decane (C10)

R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 6620620
Conc: 48.97 ug/ml



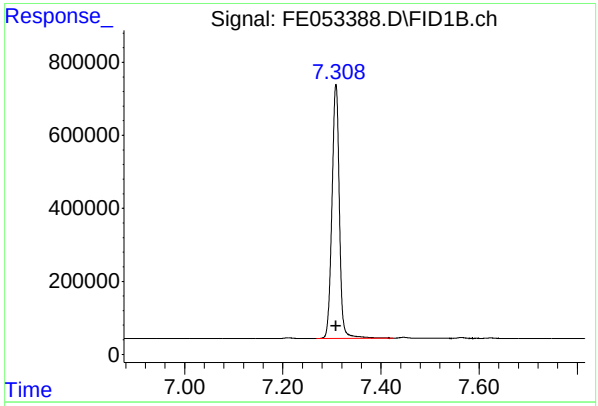
#3 A~Naphthalene (C11.7)

R.T.: 6.205 min
Delta R.T.: 0.000 min
Response: 7332105
Conc: 49.03 ug/ml



#4 n-Dodecane (C12)

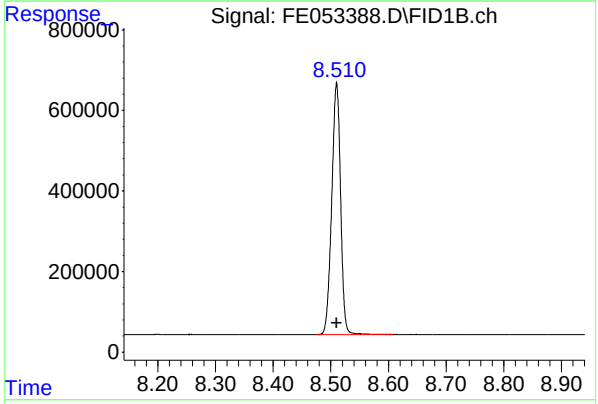
R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 6713832
Conc: 48.90 ug/ml



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

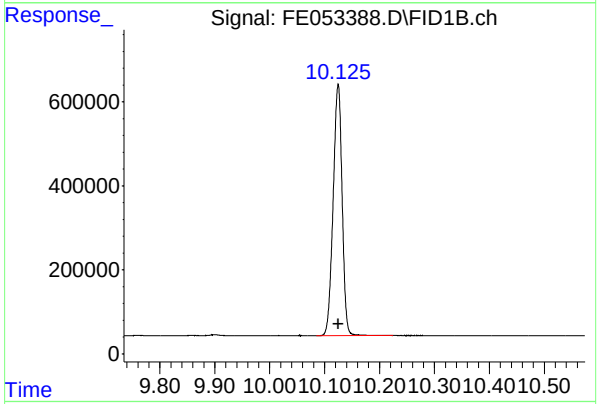
R.T.: 7.308 min
Delta R.T.: 0.000 min
Response: 7291791
Conc: 48.92 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



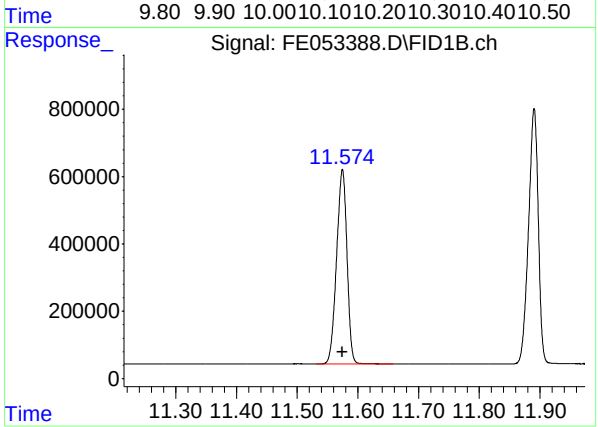
#6 n-Tetradecane (C14)

R.T.: 8.510 min
Delta R.T.: 0.000 min
Response: 6689138
Conc: 48.81 ug/ml



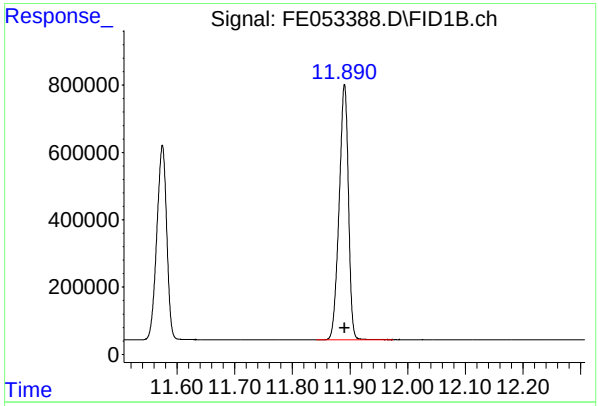
#7 n-Hexadecane (C16)

R.T.: 10.125 min
Delta R.T.: 0.000 min
Response: 6803677
Conc: 48.73 ug/ml



#8 n-Octadecane (C18)

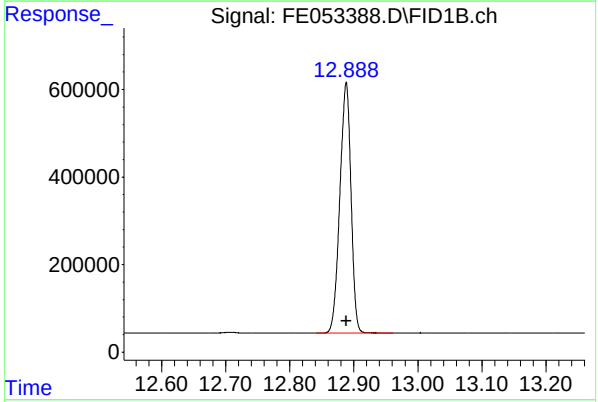
R.T.: 11.574 min
Delta R.T.: 0.000 min
Response: 6892409
Conc: 48.74 ug/ml



#9 ortho-Terphenyl (SURR)

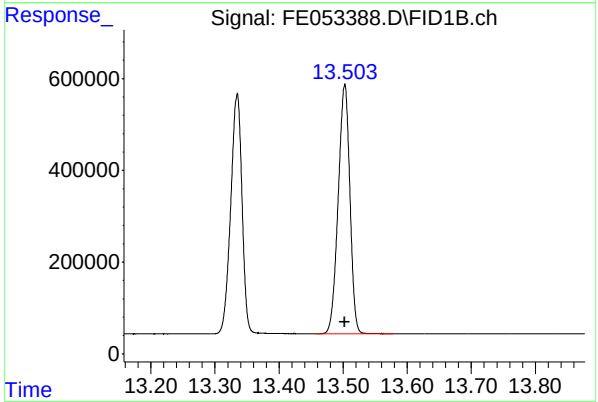
R.T.: 11.890 min
Delta R.T.: 0.000 min
Response: 8499004
Conc: 48.63 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



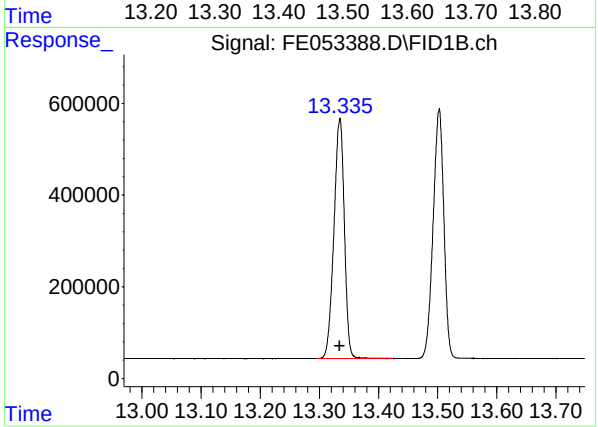
#10 n-Eicosane (C20)

R.T.: 12.888 min
Delta R.T.: 0.000 min
Response: 6864559
Conc: 48.81 ug/ml



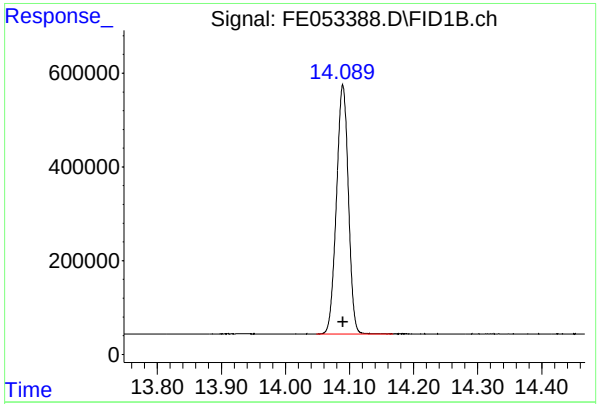
#11 n-Heneicosane (C21)

R.T.: 13.502 min
Delta R.T.: 0.000 min
Response: 6847577
Conc: 48.90 ug/ml



#12 1-chlorooctadecane (SURR)

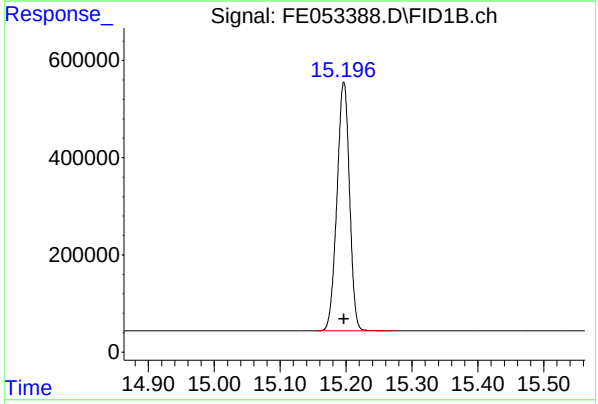
R.T.: 13.334 min
Delta R.T.: 0.000 min
Response: 6421755
Conc: 48.85 ug/ml



#13 n-Docosane (C22)

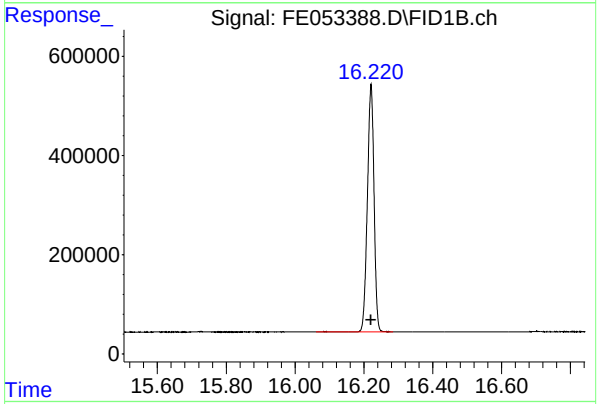
R.T.: 14.090 min
Delta R.T.: 0.000 min
Response: 6821686
Conc: 48.99 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



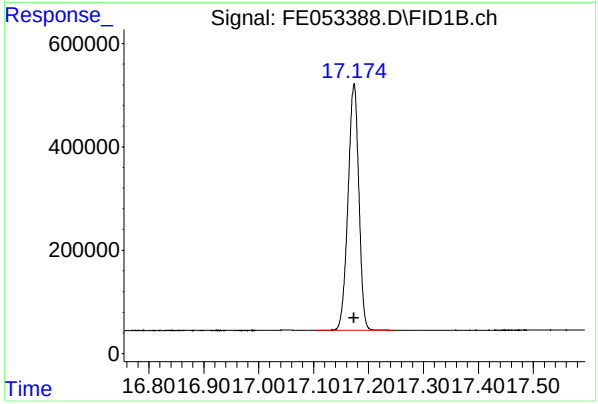
#14 n-Tetracosane (C24)

R.T.: 15.197 min
Delta R.T.: 0.000 min
Response: 6773377
Conc: 49.11 ug/ml



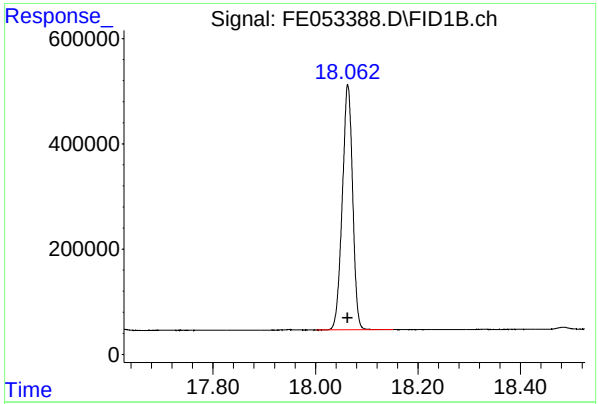
#15 n-Hexacosane (C26)

R.T.: 16.221 min
Delta R.T.: 0.000 min
Response: 6677317
Conc: 49.25 ug/ml



#16 n-Octacosane (C28)

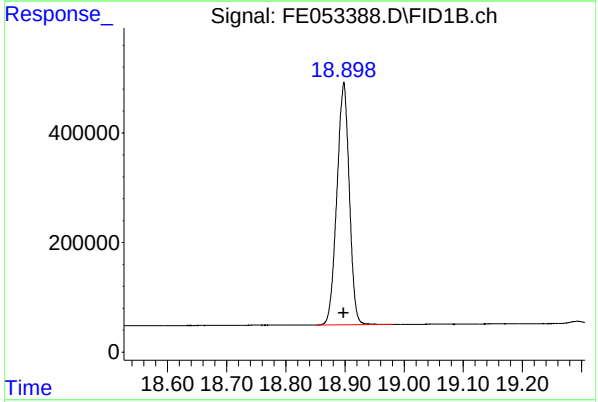
R.T.: 17.173 min
Delta R.T.: 0.000 min
Response: 6535838
Conc: 49.29 ug/ml



#17 n-Tricontane (C30)

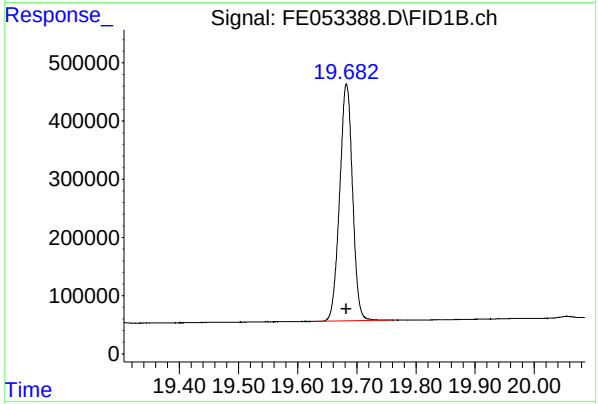
R.T.: 18.063 min
Delta R.T.: 0.000 min
Response: 6526749
Conc: 49.41 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



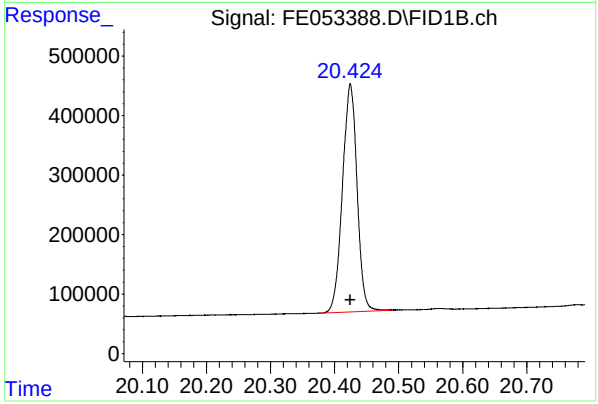
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: 0.000 min
Response: 6438595
Conc: 49.43 ug/ml



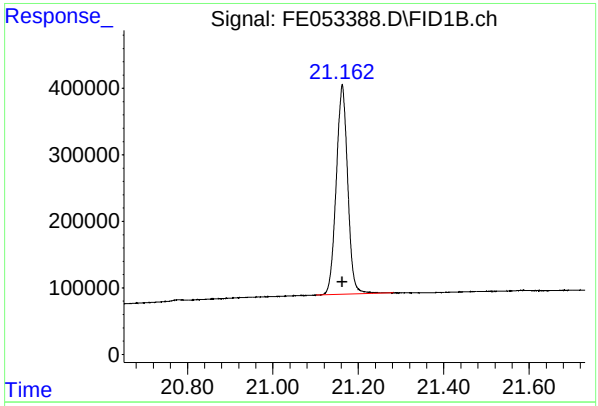
#19 n-Tetratriacontane (C34)

R.T.: 19.683 min
Delta R.T.: 0.000 min
Response: 6170453
Conc: 49.47 ug/ml



#20 n-Hexatriacontane (C36)

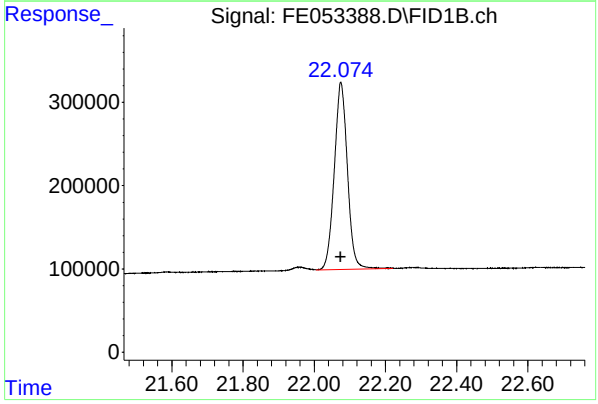
R.T.: 20.425 min
Delta R.T.: 0.000 min
Response: 6039761
Conc: 49.64 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.162 min
Delta R.T.: 0.000 min
Response: 5881041
Conc: 49.94 ug/ml

Instrument :
FID_E
ClientSampleId :
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.075 min
Delta R.T.: 0.000 min
Response: 5741471
Conc: 49.66 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053388.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 16:35
Sample : 50 PPM ALIPHATIC HC STD2
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.231	3.065	3.311	BB	644246	6562926	77.22%	4.460%
2	4.492	4.451	4.581	BB	639740	6620620	77.90%	4.499%
3	6.205	6.155	6.348	BB	724713	7332105	86.27%	4.983%
4	6.673	6.635	6.765	BB	663649	6713832	79.00%	4.563%
5	7.308	7.268	7.425	BV	695510	7291791	85.80%	4.955%
6	8.510	8.475	8.608	BB	623330	6689138	78.70%	4.546%
7	10.125	10.085	10.225	BB	598353	6803677	80.05%	4.624%
8	11.574	11.531	11.658	BB	578076	6892409	81.10%	4.684%
9	11.890	11.841	11.975	BB	761929	8499004	100.00%	5.776%
10	12.888	12.841	12.961	BB	572047	6864559	80.77%	4.665%
11	13.334	13.295	13.425	BB	522152	6421755	75.56%	4.364%
12	13.502	13.458	13.578	BB	540370	6847577	80.57%	4.654%
13	14.090	14.048	14.168	BB	529648	6821686	80.26%	4.636%
14	15.197	15.155	15.271	BB	513772	6773377	79.70%	4.603%
15	16.221	16.061	16.285	BB	498805	6677317	78.57%	4.538%
16	17.173	17.105	17.245	BB	479074	6535838	76.90%	4.442%
17	18.063	18.001	18.151	BB	463690	6526749	76.79%	4.436%
18	18.898	18.851	18.981	BB	440326	6438595	75.76%	4.376%
19	19.683	19.631	19.761	BB	407622	6170453	72.60%	4.193%
20	20.425	20.371	20.491	BB	382777	6039761	71.06%	4.105%
21	21.162	21.101	21.281	BB	313577	5881041	69.20%	3.997%
22	22.075	22.005	22.221	VB	225074	5741471	67.55%	3.902%

Sum of corrected areas: 147145678

Aliphatic EPH 041725.M Thu Apr 17 04:26:26 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053389.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:05
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 16 17:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 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)	11.886	3636748	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
12) S	1-chlorooctadecane (S...	13.330	2736436	20.000 ug/ml
Spiked Amount	50.000		Recovery =	40.00%
	Target Compounds			
1) T	n-Nonane (C9)	3.230	2758721	20.000 ug/ml
2) T	n-Decane (C10)	4.491	2778902	20.000 ug/ml
3) T	A~Naphthalene (C11.7)	6.203	3050394	20.000 ug/ml
4) T	n-Dodecane (C12)	6.671	2823242	20.000 ug/ml
5) T	A~2-methylnaphthalene...	7.306	3039727	20.000 ug/ml
6) T	n-Tetradecane (C14)	8.508	2823165	20.000 ug/ml
7) T	n-Hexadecane (C16)	10.121	2892742	20.000 ug/ml
8) T	n-Octadecane (C18)	11.571	2944162	20.000 ug/ml
10) T	n-Eicosane (C20)	12.885	2937897	20.000 ug/ml
11) T	n-Heneicosane (C21)	13.499	2924442	20.000 ug/ml
13) T	n-Docosane (C22)	14.087	2909579	20.000 ug/ml
14) T	n-Tetracosane (C24)	15.194	2886306	20.000 ug/ml
15) T	n-Hexacosane (C26)	16.218	2838759	20.000 ug/ml
16) T	n-Octacosane (C28)	17.170	2789638	20.000 ug/ml
17) T	n-Tricontane (C30)	18.060	2782832	20.000 ug/ml
18) T	n-Dotriacontane (C32)	18.893	2748709	20.000 ug/ml
19) T	n-Tetratriacontane (C34)	19.680	2624272	20.000 ug/ml
20) T	n-Hexatriacontane (C36)	20.422	2526868	20.000 ug/ml
21) T	n-Octatriacontane (C38)	21.158	2442302	20.000 ug/ml
22) T	n-Tetracontane (C40)	22.073	2387252	20.000 ug/ml

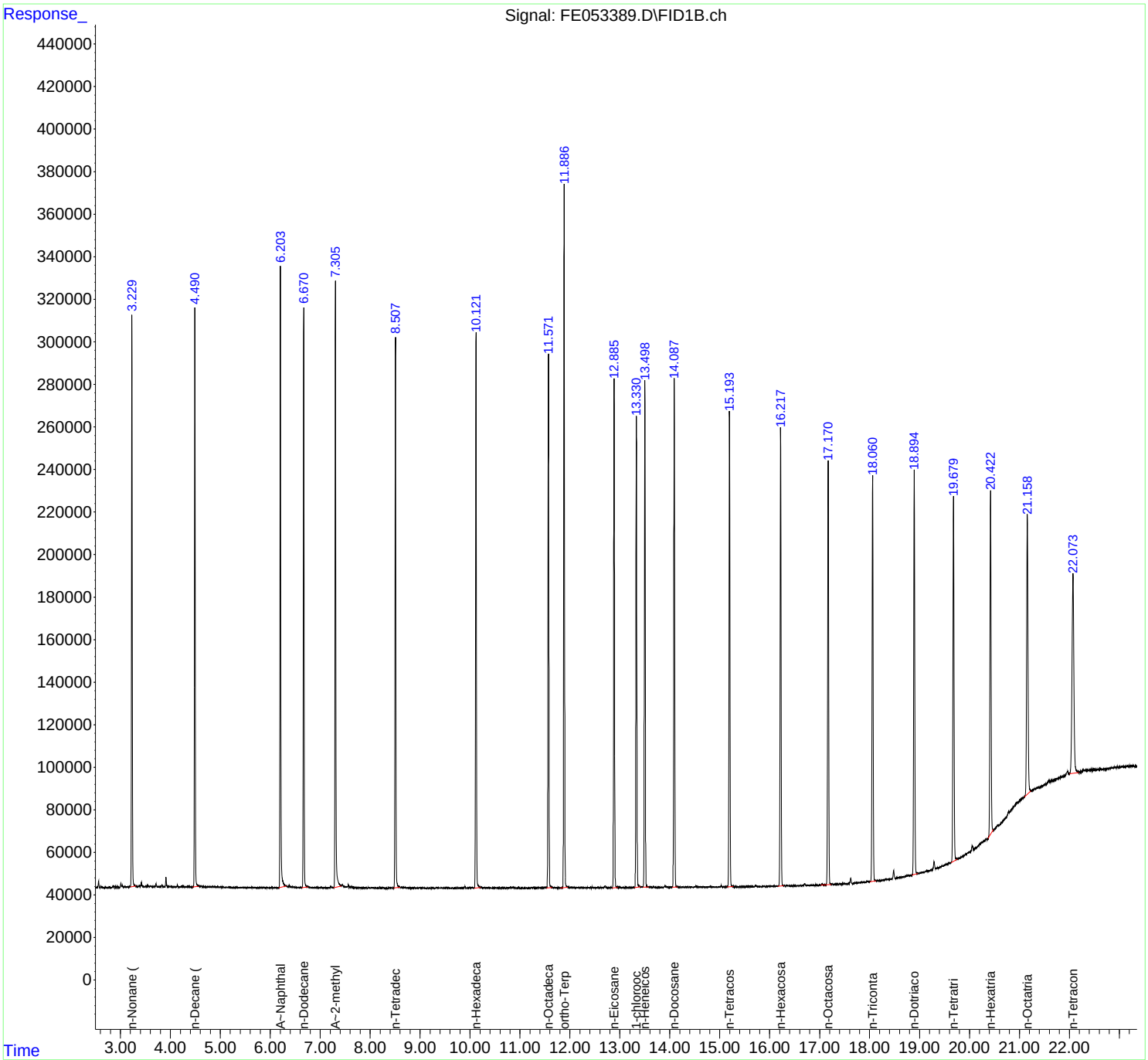
(f)=RT Delta > 1/2 Window (m)=manual int.

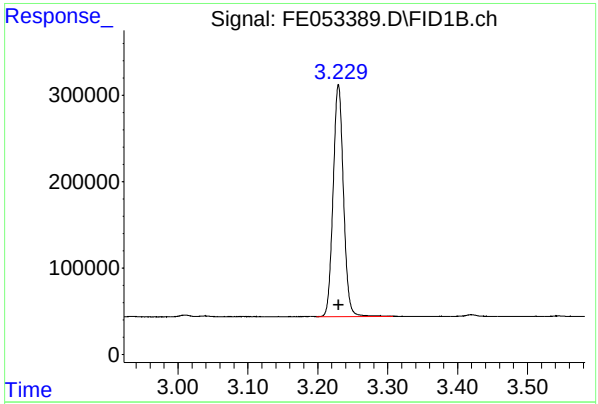
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053389.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:05
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e
Quant Time: Apr 16 17:29:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:29:00 2025
Response via : Initial Calibration
Integrator: ChemStation

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

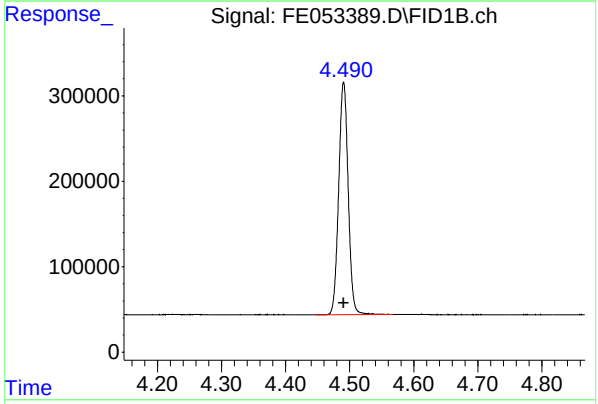




#1 n-Nonane (C9)

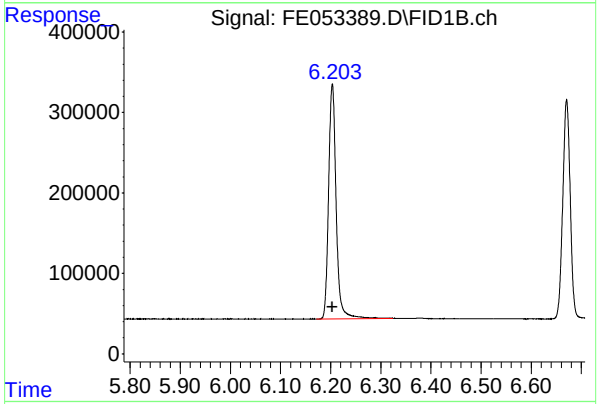
R.T.: 3.230 min
Delta R.T.: 0.000 min
Response: 2758721
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



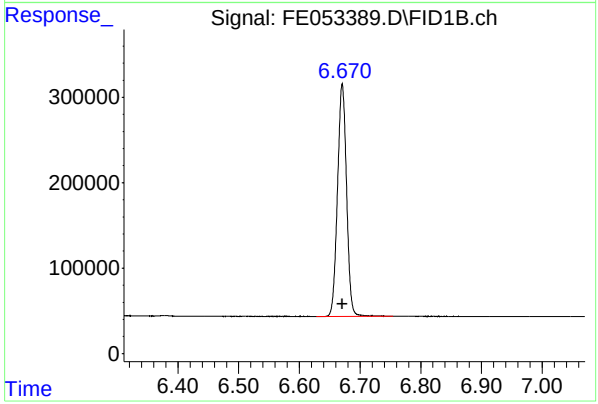
#2 n-Decane (C10)

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 2778902
Conc: 20.00 ug/ml



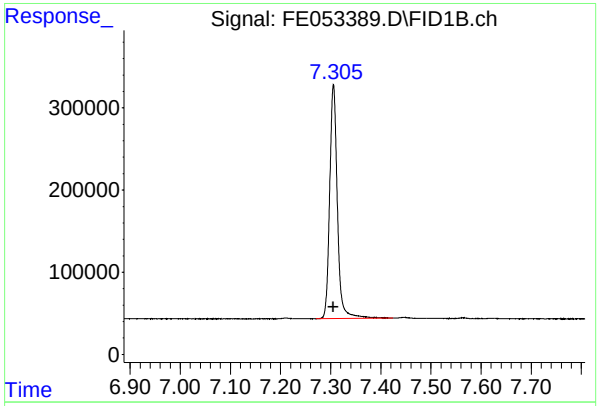
#3 A~Naphthalene (C11.7)

R.T.: 6.203 min
Delta R.T.: 0.000 min
Response: 3050394
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

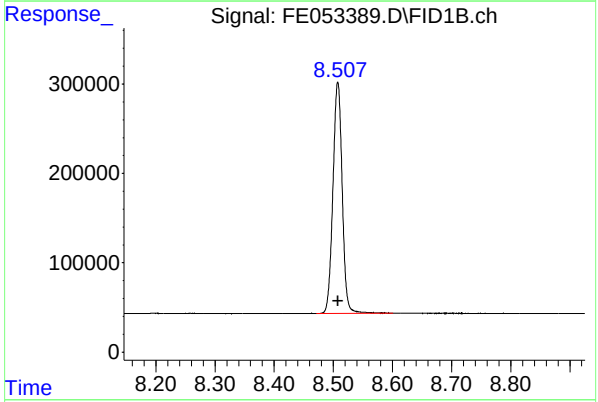
R.T.: 6.671 min
Delta R.T.: 0.000 min
Response: 2823242
Conc: 20.00 ug/ml



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

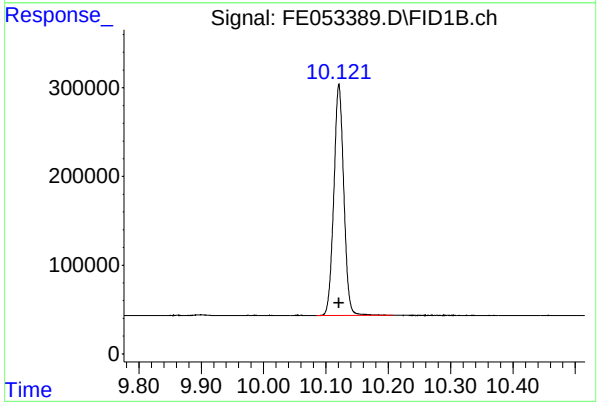
R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 3039727
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



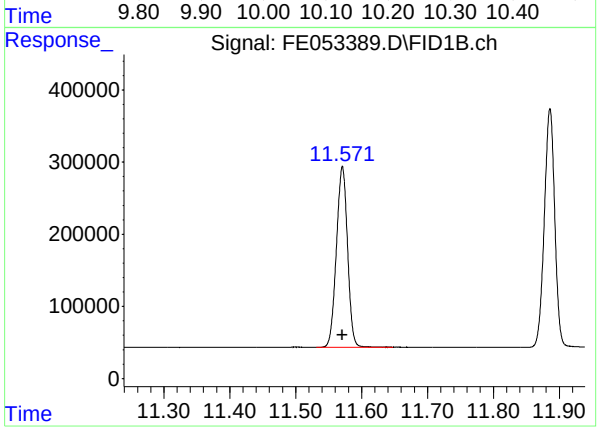
#6 n-Tetradecane (C14)

R.T.: 8.508 min
Delta R.T.: 0.000 min
Response: 2823165
Conc: 20.00 ug/ml



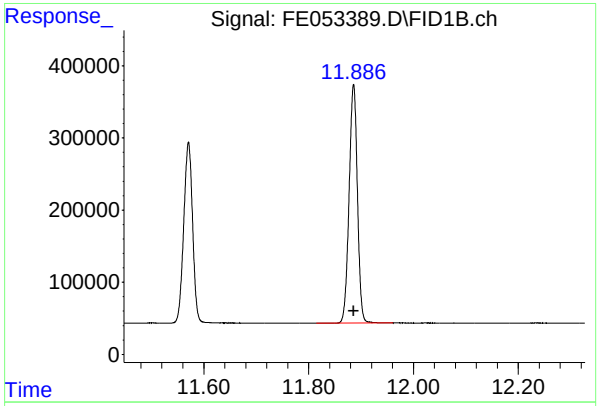
#7 n-Hexadecane (C16)

R.T.: 10.121 min
Delta R.T.: 0.000 min
Response: 2892742
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

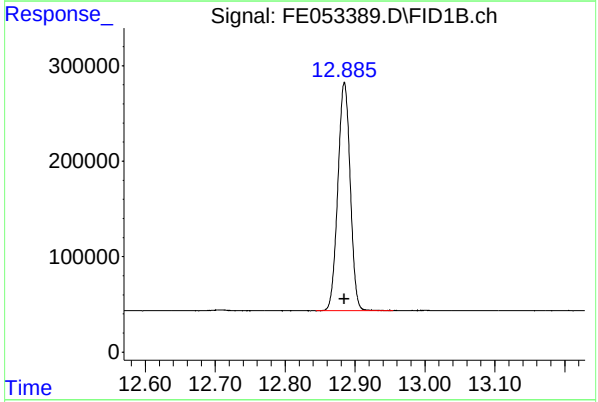
R.T.: 11.571 min
Delta R.T.: 0.000 min
Response: 2944162
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

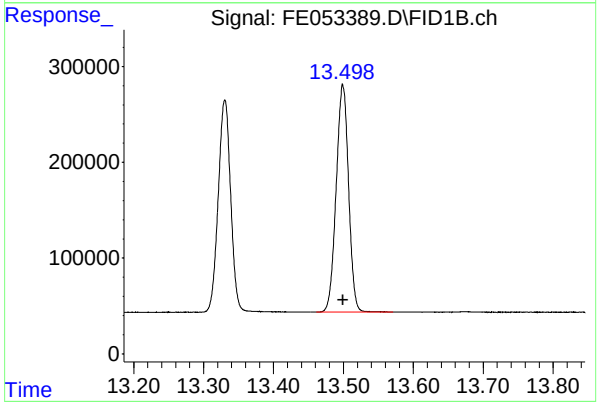
R.T.: 11.886 min
Delta R.T.: 0.000 min
Response: 3636748
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



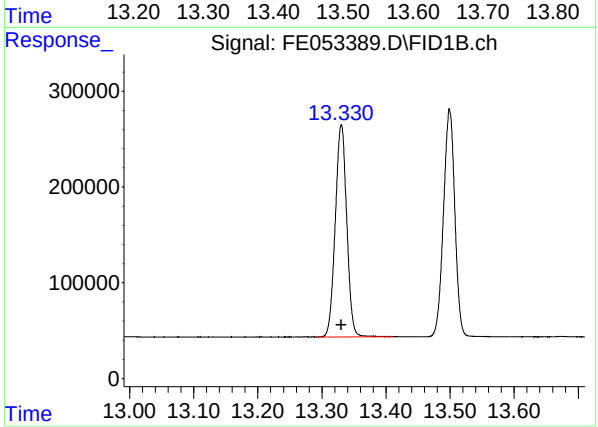
#10 n-Eicosane (C20)

R.T.: 12.885 min
Delta R.T.: 0.000 min
Response: 2937897
Conc: 20.00 ug/ml



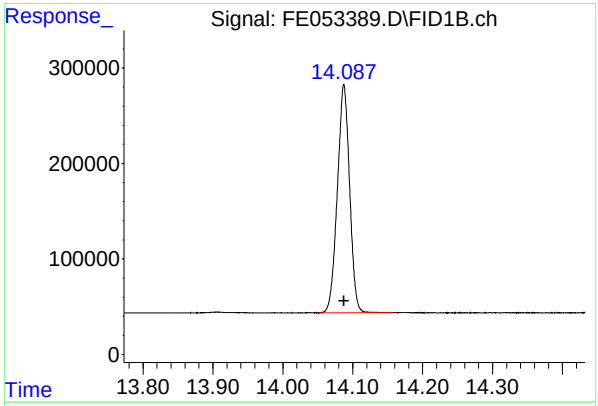
#11 n-Heneicosane (C21)

R.T.: 13.499 min
Delta R.T.: 0.000 min
Response: 2924442
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

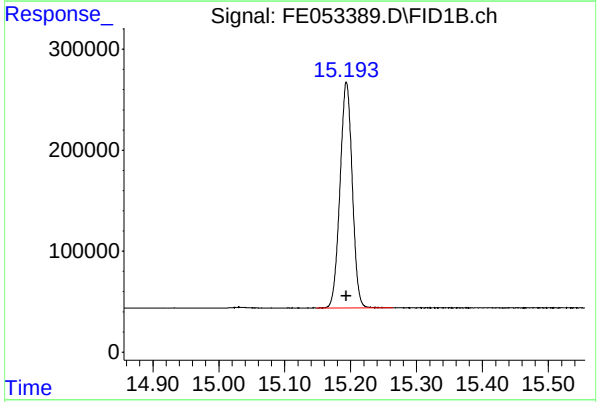
R.T.: 13.330 min
Delta R.T.: 0.000 min
Response: 2736436
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

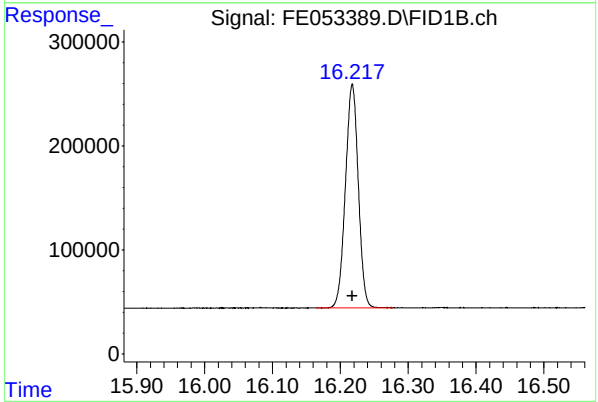
R.T.: 14.087 min
Delta R.T.: 0.000 min
Response: 2909579
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



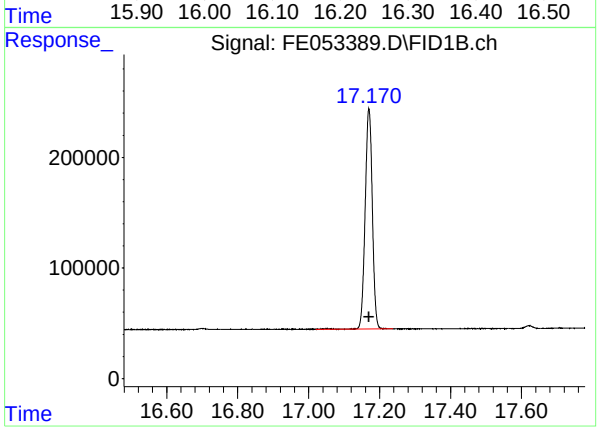
#14 n-Tetracosane (C24)

R.T.: 15.194 min
Delta R.T.: 0.000 min
Response: 2886306
Conc: 20.00 ug/ml



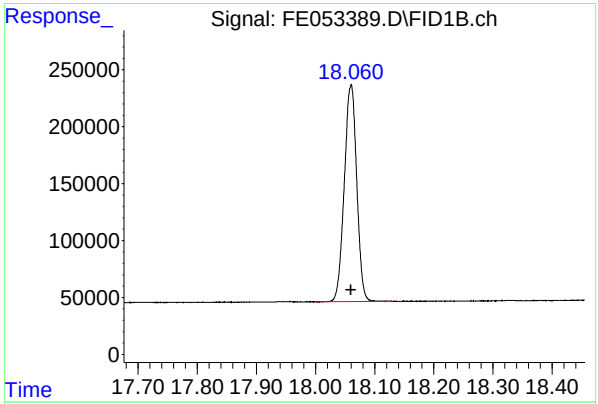
#15 n-Hexacosane (C26)

R.T.: 16.218 min
Delta R.T.: 0.000 min
Response: 2838759
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

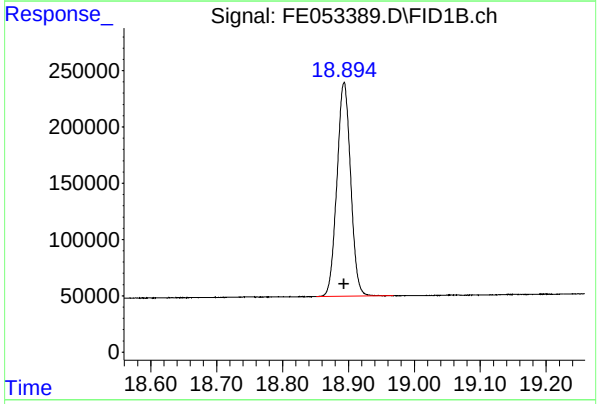
R.T.: 17.170 min
Delta R.T.: 0.000 min
Response: 2789638
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

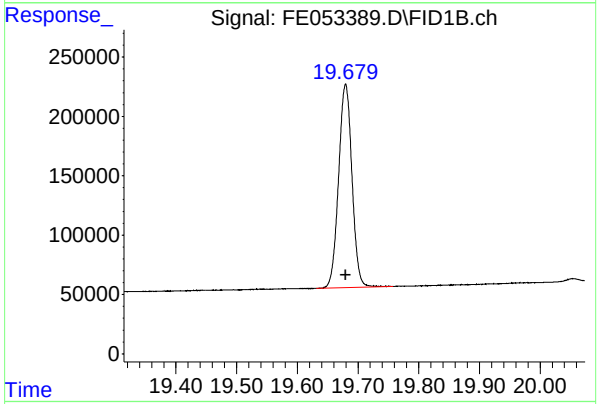
R.T.: 18.060 min
Delta R.T.: 0.000 min
Response: 2782832
Conc: 20.00 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



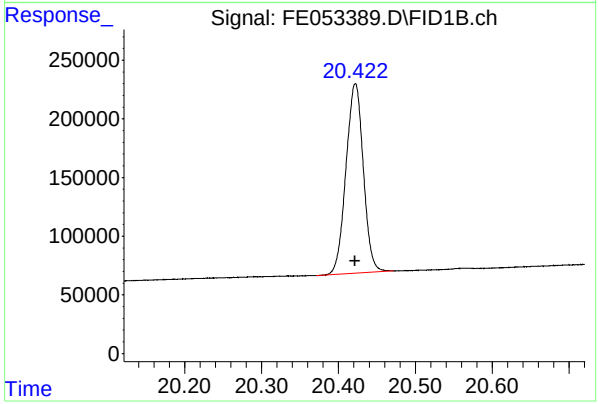
#18 n-Dotriacontane (C32)

R.T.: 18.893 min
Delta R.T.: 0.000 min
Response: 2748709
Conc: 20.00 ug/ml



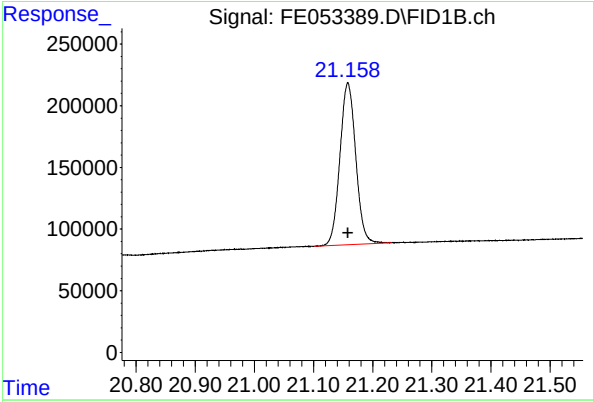
#19 n-Tetratriacontane (C34)

R.T.: 19.680 min
Delta R.T.: 0.000 min
Response: 2624272
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

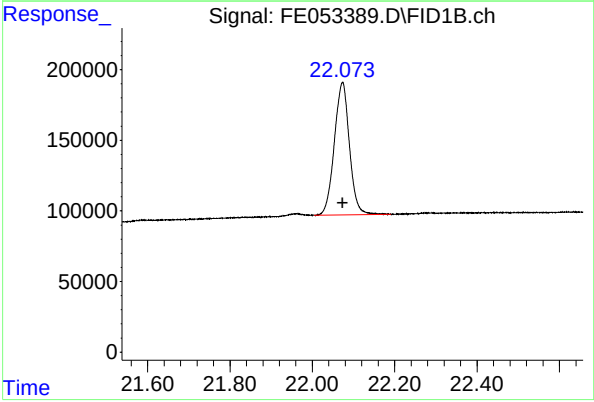
R.T.: 20.422 min
Delta R.T.: 0.000 min
Response: 2526868
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.158 min
Delta R.T.: 0.000 mi
Response: 2442302
Conc: 20.00 ug/m

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.073 min
Delta R.T.: 0.000 min
Response: 2387252
Conc: 20.00 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053389.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:05
Sample : 20 PPM ALIPHATIC HC STD3
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.230	3.198	3.308	BB	267962	2758721	75.86%	4.429%
2	4.491	4.448	4.568	BB	272704	2778902	76.41%	4.462%
3	6.203	6.171	6.324	BB	292802	3050394	83.88%	4.898%
4	6.671	6.628	6.754	BB	271603	2823242	77.63%	4.533%
5	7.306	7.271	7.424	BV	282773	3039727	83.58%	4.881%
6	8.508	8.471	8.601	BB	259133	2823165	77.63%	4.533%
7	10.121	10.084	10.208	BB	260136	2892742	79.54%	4.645%
8	11.571	11.531	11.648	BB	250837	2944162	80.96%	4.727%
9	11.886	11.814	11.961	BB	328980	3636748	100.00%	5.839%
10	12.885	12.844	12.954	BB	239134	2937897	80.78%	4.717%
11	13.330	13.291	13.411	BB	221954	2736436	75.24%	4.394%
12	13.499	13.461	13.571	BB	236315	2924442	80.41%	4.695%
13	14.087	14.048	14.158	BB	238674	2909579	80.00%	4.672%
14	15.194	15.148	15.264	BB	223550	2886306	79.37%	4.634%
15	16.218	16.164	16.278	BB	214955	2838759	78.06%	4.558%
16	17.170	17.021	17.238	BB	198686	2789638	76.71%	4.479%
17	18.060	18.001	18.131	BB	191290	2782832	76.52%	4.468%
18	18.893	18.851	18.968	BB	190388	2748709	75.58%	4.413%
19	19.680	19.631	19.758	BB	171279	2624272	72.16%	4.213%
20	20.422	20.371	20.471	BV	161787	2526868	69.48%	4.057%
21	21.158	21.101	21.231	BB	131193	2442302	67.16%	3.921%
22	22.073	22.004	22.191	BB	94184	2387252	65.64%	3.833%
			Sum of corrected areas:			62283095		

Aliphatic EPH 041725.M Thu Apr 17 04:26:43 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053390.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:36
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 16 17:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:59:32 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)	11.884	1893058	10.610 ug/ml
Spiked Amount	50.000		Recovery =	21.22%
12) S	1-chlorooctadecane (S...	13.330	1412249	10.547 ug/ml
Spiked Amount	50.000		Recovery =	21.09%
	Target Compounds			
1) T	n-Nonane (C9)	3.229	1427931	10.499 ug/ml
2) T	n-Decane (C10)	4.490	1440599	10.484 ug/ml
3) T	A~Naphthalene (C11.7)	6.204	1558579	10.314 ug/ml
4) T	n-Dodecane (C12)	6.670	1457518	10.454 ug/ml
5) T	A~2-methylnaphthalene...	7.306	1522133	10.158 ug/ml
6) T	n-Tetradecane (C14)	8.507	1461405	10.489 ug/ml
7) T	n-Hexadecane (C16)	10.121	1500903	10.551 ug/ml
8) T	n-Octadecane (C18)	11.570	1528768	10.596 ug/ml
10) T	n-Eicosane (C20)	12.884	1532713	10.659 ug/ml
11) T	n-Heneicosane (C21)	13.498	1523248	10.644 ug/ml
13) T	n-Docosane (C22)	14.086	1528369	10.714 ug/ml
14) T	n-Tetracosane (C24)	15.193	1552378	10.913 ug/ml
15) T	n-Hexacosane (C26)	16.217	1541972	10.996 ug/ml
16) T	n-Octacosane (C28)	17.169	1526585	11.093 ug/ml
17) T	n-Tricontane (C30)	18.058	1529997	11.142 ug/ml
18) T	n-Dotriacontane (C32)	18.893	1499644	11.094 ug/ml
19) T	n-Tetratriacontane (C34)	19.678	1400795	10.895 ug/ml
20) T	n-Hexatriacontane (C36)	20.420	1333734	10.705 ug/ml
21) T	n-Octatriacontane (C38)	21.157	1286878	10.680 ug/ml
22) T	n-Tetracontane (C40)	22.070	1278773	10.775 ug/ml

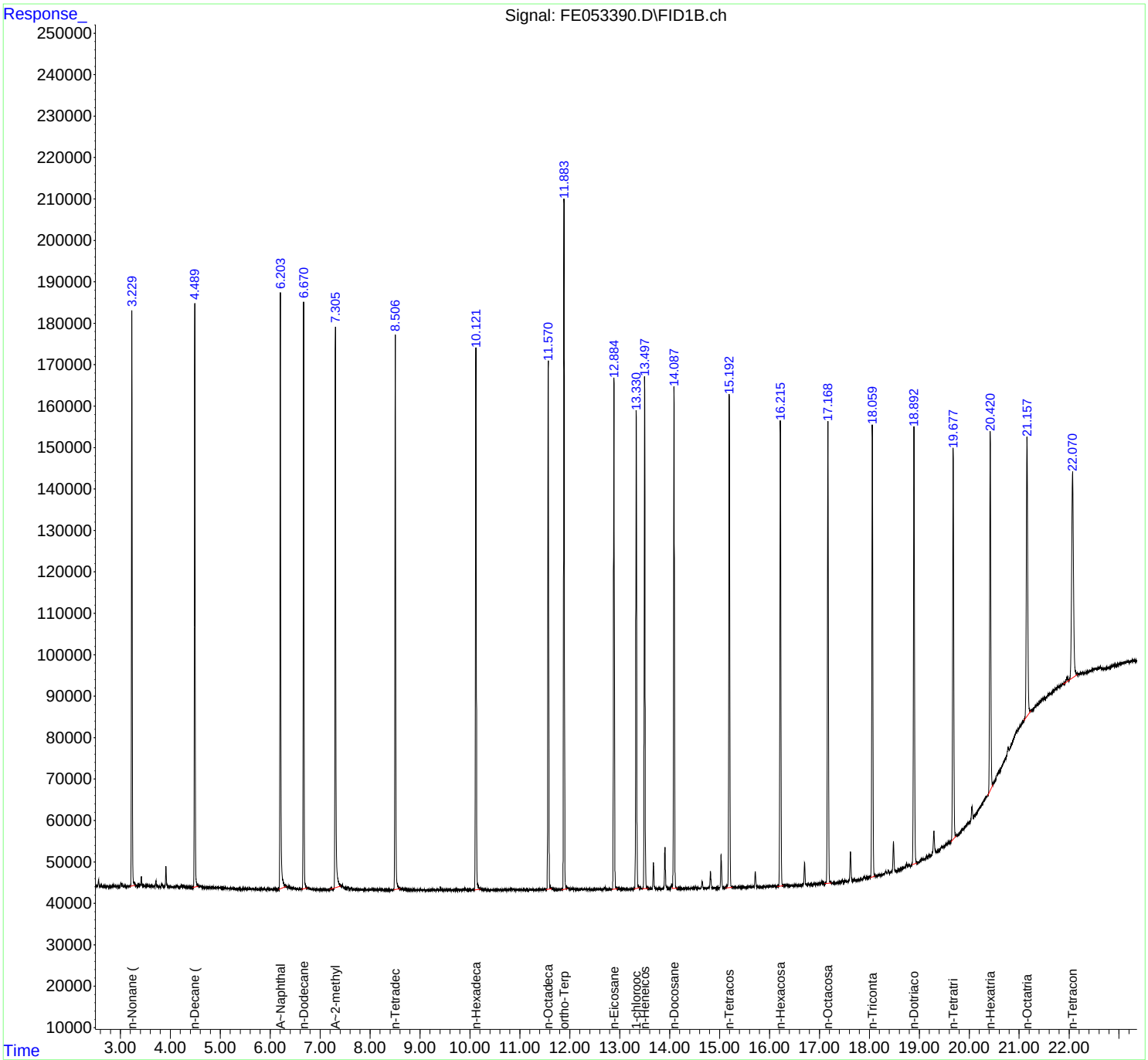
(f)=RT Delta > 1/2 Window (m)=manual int.

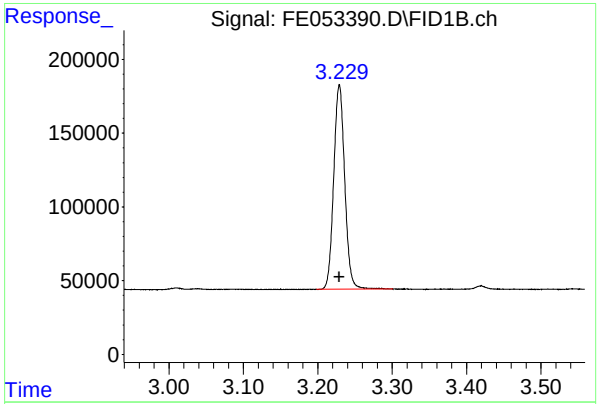
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053390.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:36
Operator : YP\AJ
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e
Quant Time: Apr 16 17:59:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 17:59:32 2025
Response via : Initial Calibration
Integrator: ChemStation

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

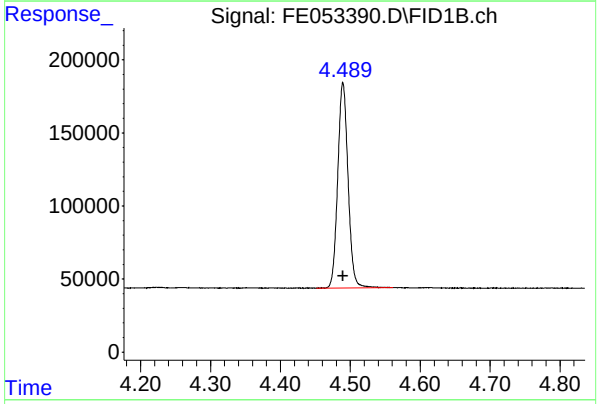




#1 n-Nonane (C9)

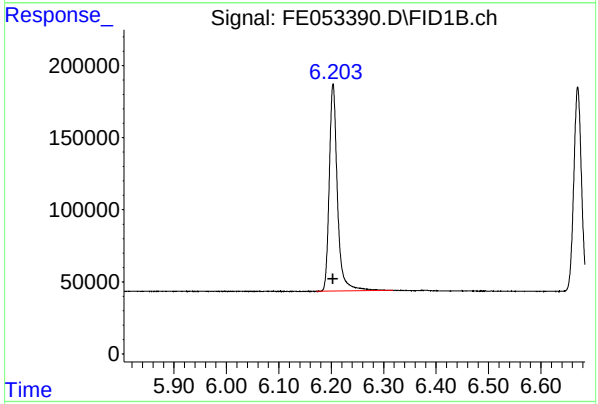
R.T.: 3.229 min
Delta R.T.: 0.000 min
Response: 1427931
Conc: 10.50 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



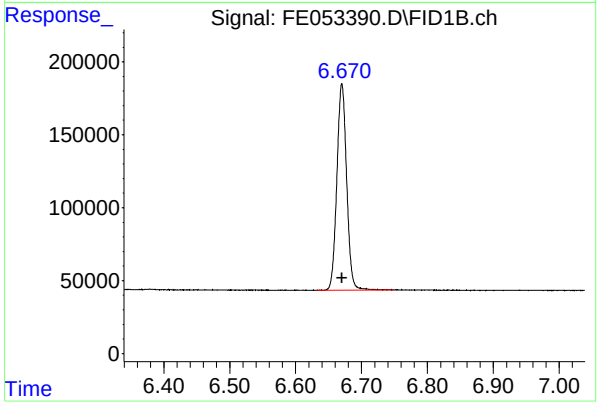
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 1440599
Conc: 10.48 ug/ml



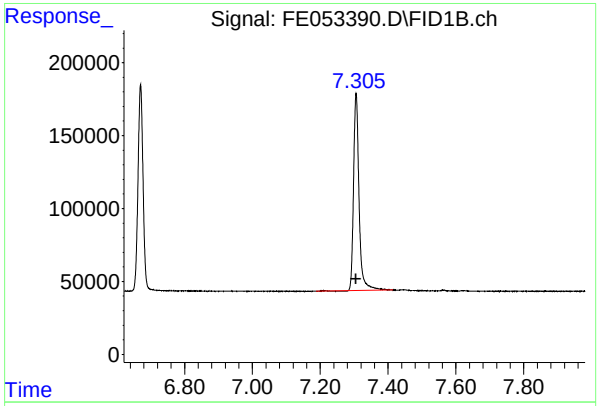
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 1558579
Conc: 10.31 ug/ml



#4 n-Dodecane (C12)

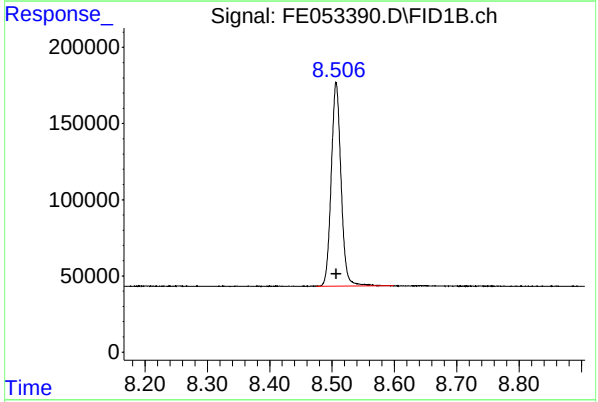
R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 1457518
Conc: 10.45 ug/ml



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

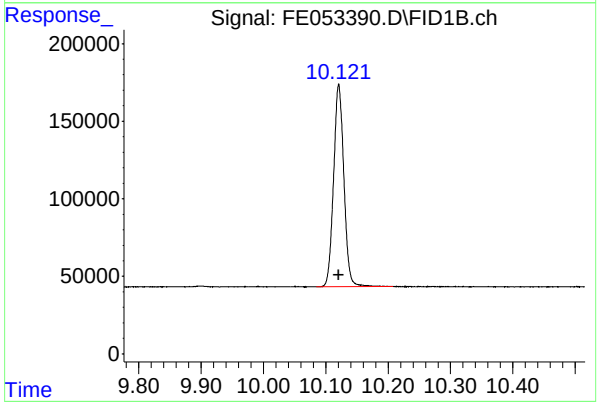
R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 1522133
Conc: 10.16 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



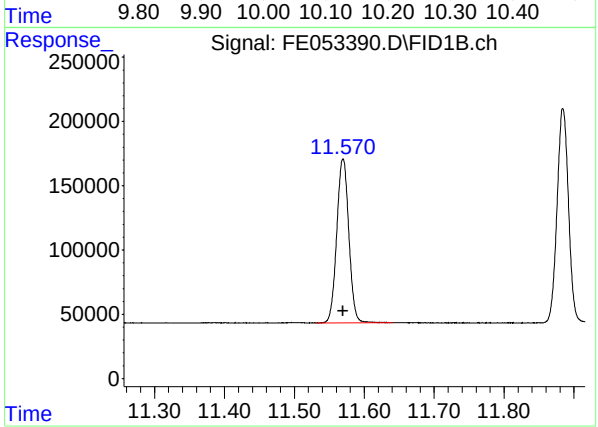
#6 n-Tetradecane (C14)

R.T.: 8.507 min
Delta R.T.: 0.000 min
Response: 1461405
Conc: 10.49 ug/ml



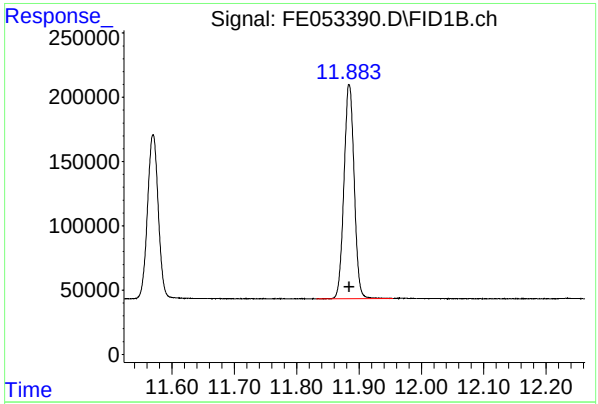
#7 n-Hexadecane (C16)

R.T.: 10.121 min
Delta R.T.: 0.000 min
Response: 1500903
Conc: 10.55 ug/ml



#8 n-Octadecane (C18)

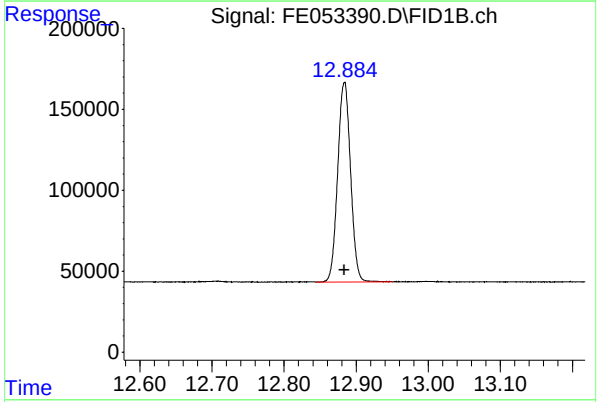
R.T.: 11.570 min
Delta R.T.: 0.000 min
Response: 1528768
Conc: 10.60 ug/ml



#9 ortho-Terphenyl (SURR)

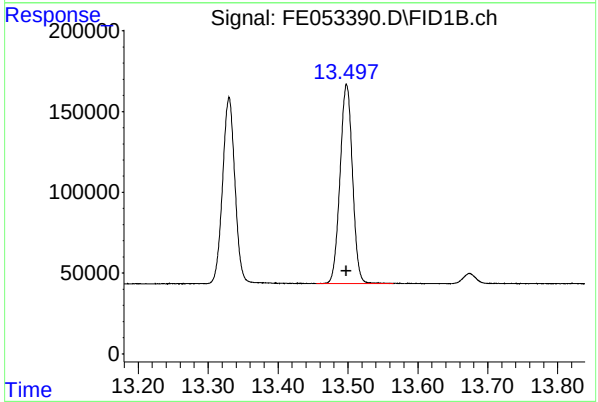
R.T.: 11.884 min
Delta R.T.: 0.000 min
Response: 1893058
Conc: 10.61 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



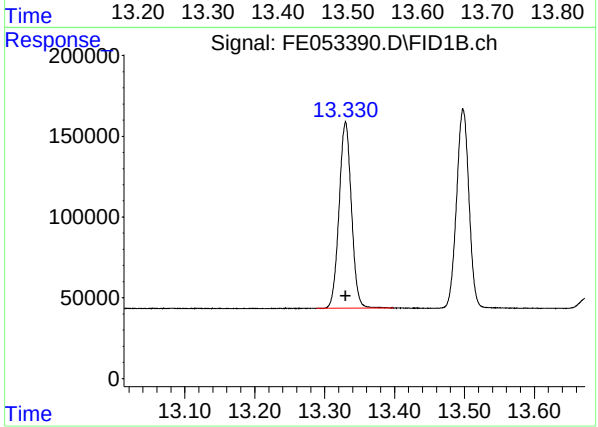
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: 0.000 min
Response: 1532713
Conc: 10.66 ug/ml



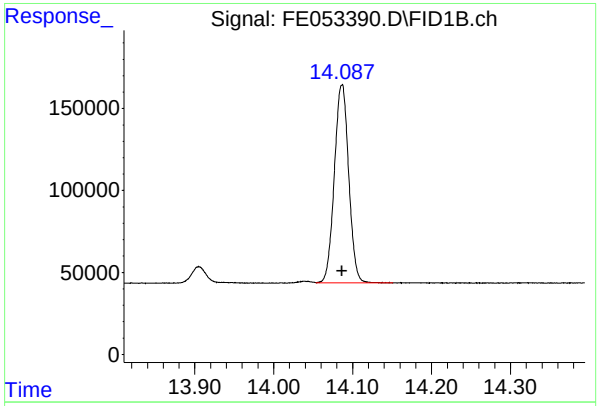
#11 n-Heneicosane (C21)

R.T.: 13.498 min
Delta R.T.: 0.000 min
Response: 1523248
Conc: 10.64 ug/ml



#12 1-chlorooctadecane (SURR)

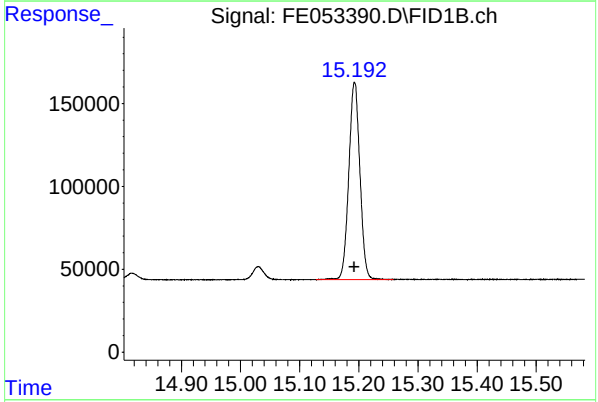
R.T.: 13.330 min
Delta R.T.: 0.000 min
Response: 1412249
Conc: 10.55 ug/ml



#13 n-Docosane (C22)

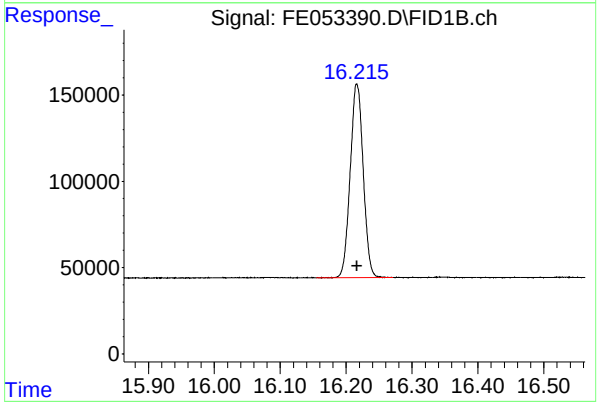
R.T.: 14.086 min
Delta R.T.: 0.000 min
Response: 1528369
Conc: 10.71 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



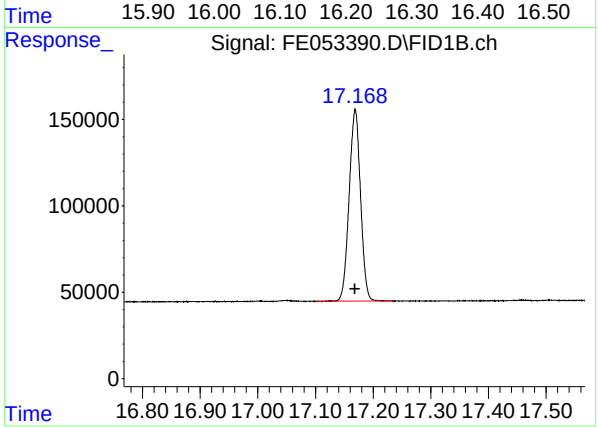
#14 n-Tetracosane (C24)

R.T.: 15.193 min
Delta R.T.: 0.000 min
Response: 1552378
Conc: 10.91 ug/ml



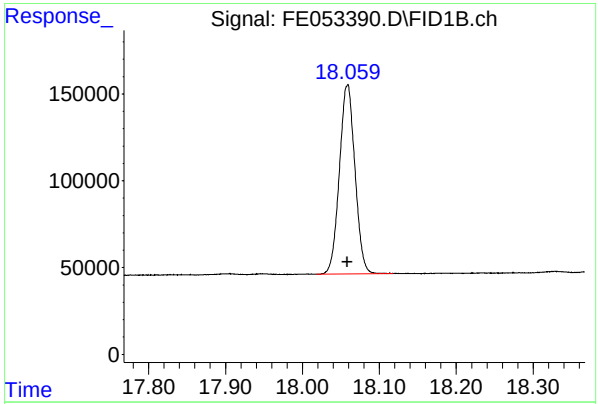
#15 n-Hexacosane (C26)

R.T.: 16.217 min
Delta R.T.: 0.000 min
Response: 1541972
Conc: 11.00 ug/ml



#16 n-Octacosane (C28)

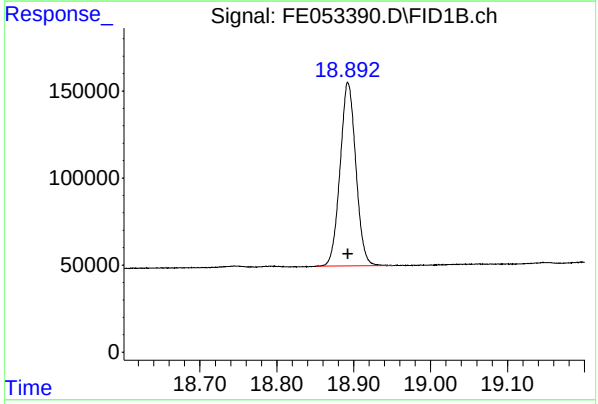
R.T.: 17.169 min
Delta R.T.: 0.000 min
Response: 1526585
Conc: 11.09 ug/ml



#17 n-Tricontane (C30)

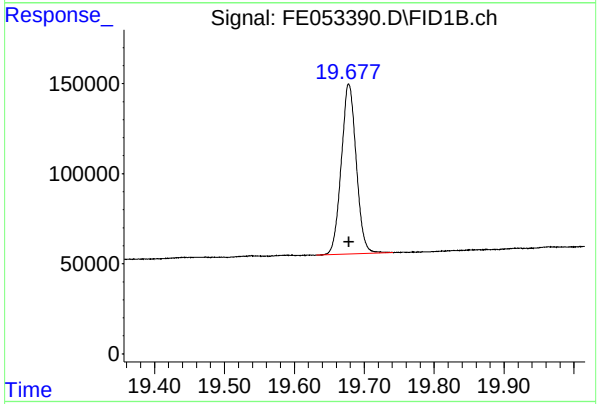
R.T.: 18.058 min
Delta R.T.: 0.000 min
Response: 1529997
Conc: 11.14 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



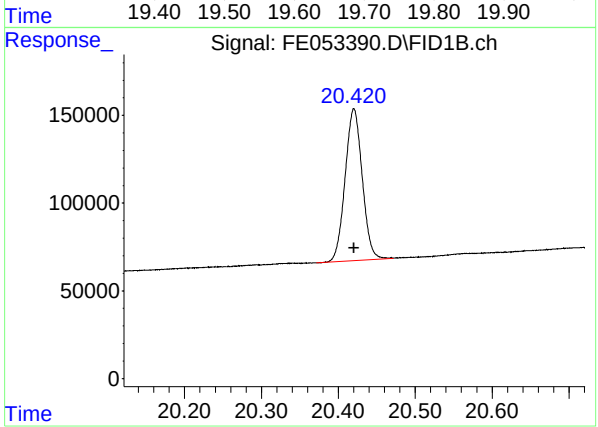
#18 n-Dotriacontane (C32)

R.T.: 18.893 min
Delta R.T.: 0.000 min
Response: 1499644
Conc: 11.09 ug/ml



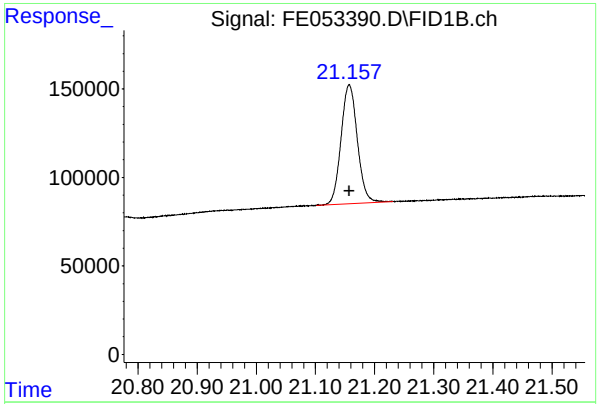
#19 n-Tetratriacontane (C34)

R.T.: 19.678 min
Delta R.T.: 0.000 min
Response: 1400795
Conc: 10.90 ug/ml



#20 n-Hexatriacontane (C36)

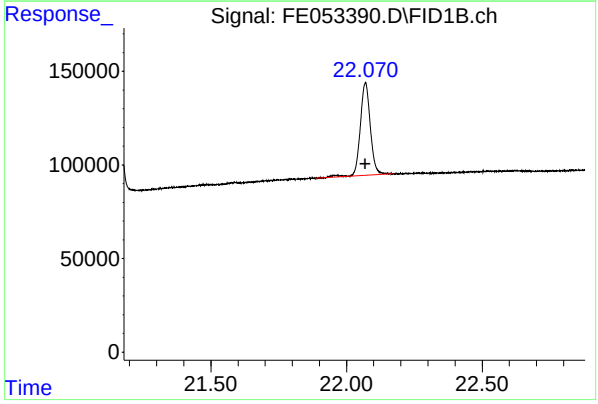
R.T.: 20.420 min
Delta R.T.: 0.000 min
Response: 1333734
Conc: 10.70 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.157 min
Delta R.T.: 0.000 min
Response: 1286878
Conc: 10.68 ug/ml

Instrument :
FID_E
ClientSampleId :
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.070 min
Delta R.T.: 0.000 min
Response: 1278773
Conc: 10.78 ug/ml

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053390.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 17:36
Sample : 10 PPM ALIPHATIC HC STD4
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.229	3.198	3.301	BB	137884	1427931	75.43%	4.362%
2	4.490	4.451	4.561	BB	139495	1440599	76.10%	4.400%
3	6.204	6.171	6.318	BB	143453	1558579	82.33%	4.761%
4	6.670	6.631	6.748	BB	141302	1457518	76.99%	4.452%
5	7.306	7.188	7.414	BB	134615	1522133	80.41%	4.649%
6	8.507	8.474	8.598	BB	132750	1461405	77.20%	4.464%
7	10.121	10.084	10.208	BB	130075	1500903	79.28%	4.585%
8	11.570	11.531	11.641	BB	128104	1528768	80.76%	4.670%
9	11.884	11.831	11.954	BB	166955	1893058	100.00%	5.782%
10	12.884	12.844	12.951	BB	124033	1532713	80.96%	4.682%
11	13.330	13.288	13.398	BB	115435	1412249	74.60%	4.314%
12	13.498	13.454	13.564	BB	123197	1523248	80.46%	4.653%
13	14.086	14.054	14.151	VB	121695	1528369	80.74%	4.668%
14	15.193	15.128	15.258	BB	119946	1552378	82.00%	4.742%
15	16.217	16.154	16.271	BB	111897	1541972	81.45%	4.710%
16	17.169	17.101	17.234	BB	110581	1526585	80.64%	4.663%
17	18.058	18.018	18.118	BB	108996	1529997	80.82%	4.673%
18	18.893	18.851	18.951	BB	104570	1499644	79.22%	4.581%
19	19.678	19.631	19.741	BB	94427	1400795	74.00%	4.279%
20	20.420	20.371	20.471	BV	86600	1333734	70.45%	4.074%
21	21.157	21.101	21.231	BB	67282	1286878	67.98%	3.931%
22	22.070	21.888	22.171	BB	49964	1278773	67.55%	3.906%
			Sum of corrected areas:			32738229		

Aliphatic EPH 041725.M Thu Apr 17 04:27:17 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053391.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:06
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 16 18:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:28:37 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)	11.883	940709	5.216 ug/ml
	Spiked Amount 50.000		Recovery = 10.43%	
12)	S 1-chlorooctadecane (S...	13.329	701389	5.189 ug/ml
	Spiked Amount 50.000		Recovery = 10.38%	
	Target Compounds			
1)	T n-Nonane (C9)	3.230	707563	5.161 ug/ml
2)	T n-Decane (C10)	4.490	710133	5.133 ug/ml
3)	T A~Naphthalene (C11.7)	6.204	751368	4.978 ug/ml
4)	T n-Dodecane (C12)	6.670	717848	5.118 ug/ml
5)	T A~2-methylnaphthalene...	7.306	735745	4.928 ug/ml
6)	T n-Tetradecane (C14)	8.506	720666	5.137 ug/ml
7)	T n-Hexadecane (C16)	10.120	738140	5.150 ug/ml
8)	T n-Octadecane (C18)	11.568	757847	5.200 ug/ml
10)	T n-Eicosane (C20)	12.883	761828	5.235 ug/ml
11)	T n-Heneicosane (C21)	13.497	759067	5.241 ug/ml
13)	T n-Docosane (C22)	14.085	754554	5.229 ug/ml
14)	T n-Tetracosane (C24)	15.191	746100	5.194 ug/ml
15)	T n-Hexacosane (C26)	16.216	736181	5.198 ug/ml
16)	T n-Octacosane (C28)	17.168	725773	5.217 ug/ml
17)	T n-Tricontane (C30)	18.057	733475	5.269 ug/ml
18)	T n-Dotriacontane (C32)	18.892	729142	5.310 ug/ml
19)	T n-Tetratriacontane (C34)	19.677	685913	5.264 ug/ml
20)	T n-Hexatriacontane (C36)	20.418	664340	5.262 ug/ml
21)	T n-Octatriacontane (C38)	21.155	635999	5.220 ug/ml
22)	T n-Tetracontane (C40)	22.069	612014	5.125 ug/ml

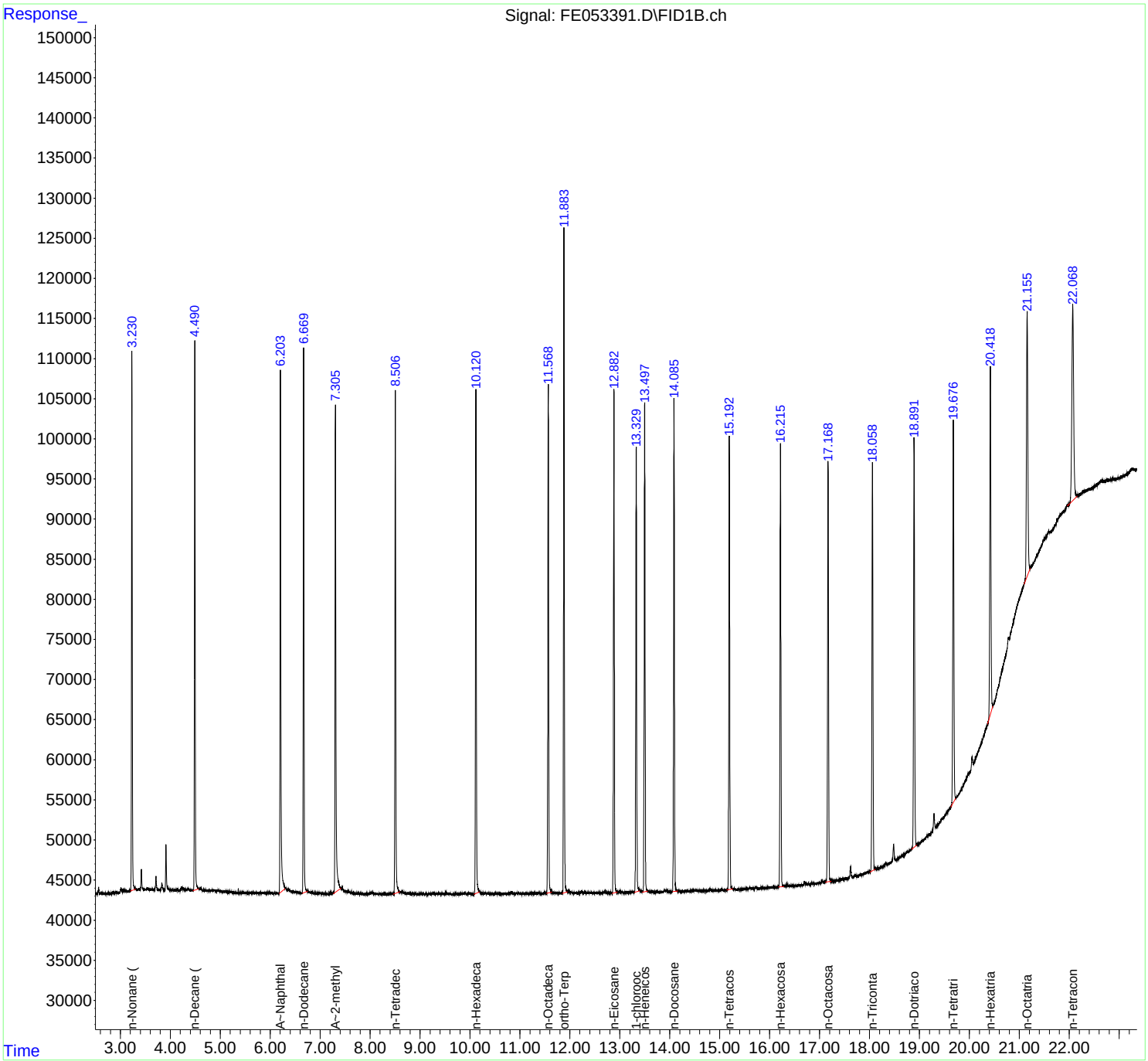
(f)=RT Delta > 1/2 Window (m)=manual int.

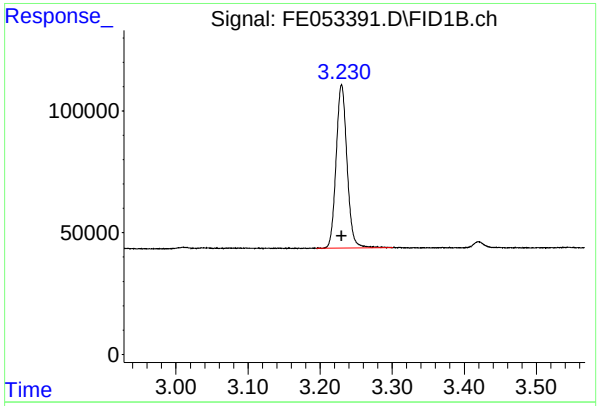
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053391.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:06
Operator : YP\AJ
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e
Quant Time: Apr 16 18:28:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:28:37 2025
Response via : Initial Calibration
Integrator: ChemStation

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

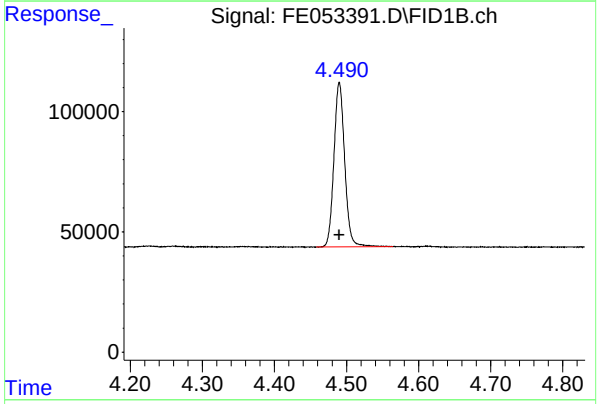




#1 n-Nonane (C9)

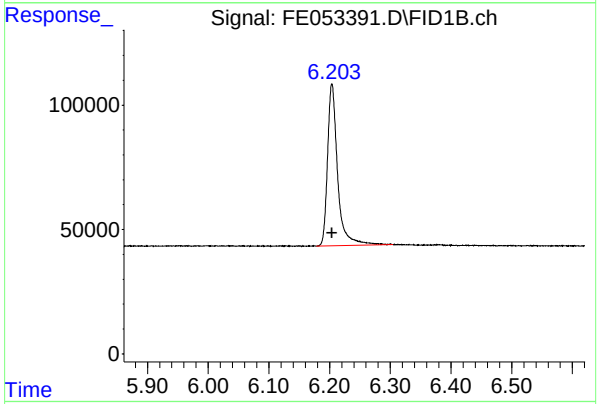
R.T.: 3.230 min
Delta R.T.: 0.000 min
Response: 707563
Conc: 5.16 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



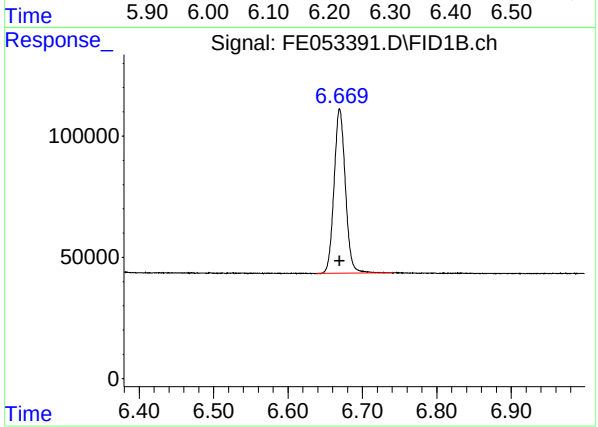
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 710133
Conc: 5.13 ug/ml



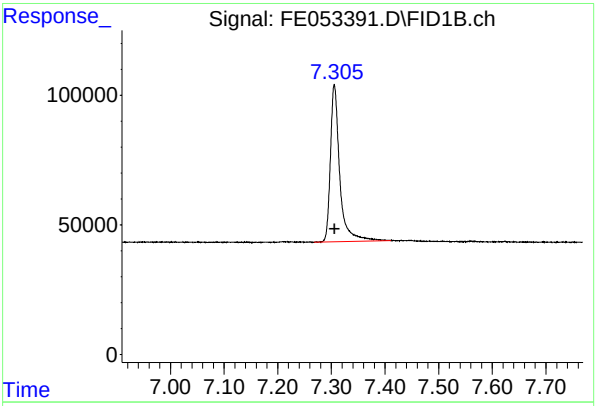
#3 A~Naphthalene (C11.7)

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 751368
Conc: 4.98 ug/ml



#4 n-Dodecane (C12)

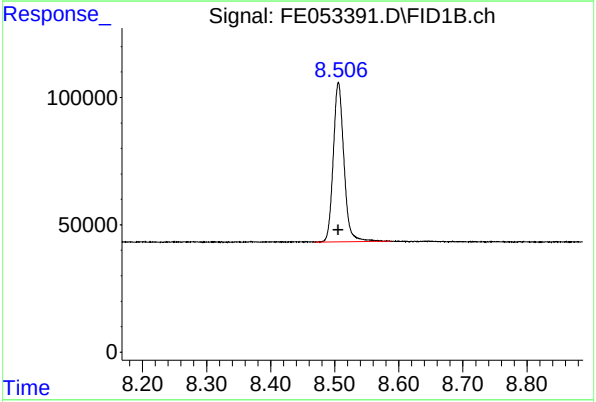
R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 717848
Conc: 5.12 ug/ml



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

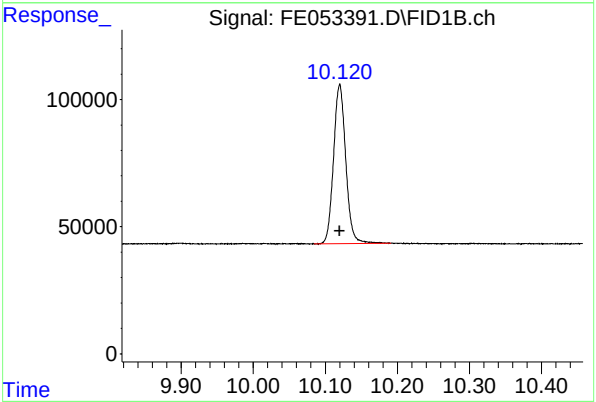
R.T.: 7.306 min
Delta R.T.: 0.000 min
Response: 735745
Conc: 4.93 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



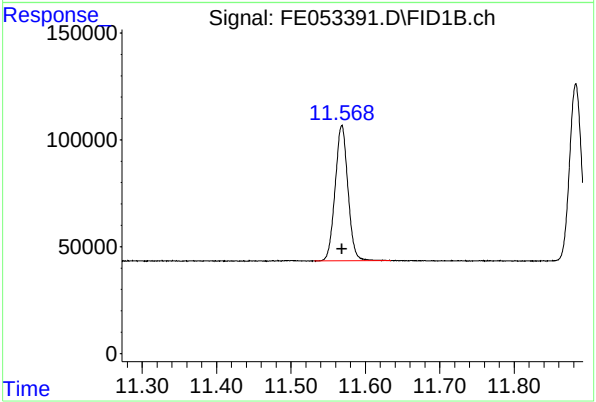
#6 n-Tetradecane (C14)

R.T.: 8.506 min
Delta R.T.: 0.000 min
Response: 720666
Conc: 5.14 ug/ml



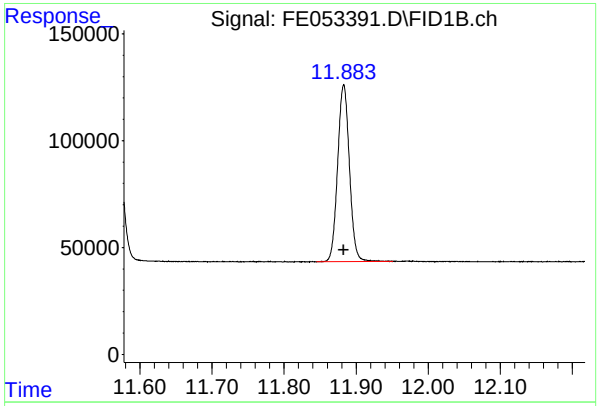
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 738140
Conc: 5.15 ug/ml



#8 n-Octadecane (C18)

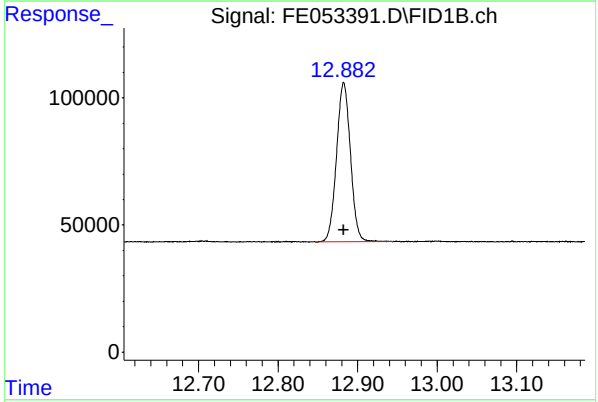
R.T.: 11.568 min
Delta R.T.: 0.000 min
Response: 757847
Conc: 5.20 ug/ml



#9 ortho-Terphenyl (SURR)

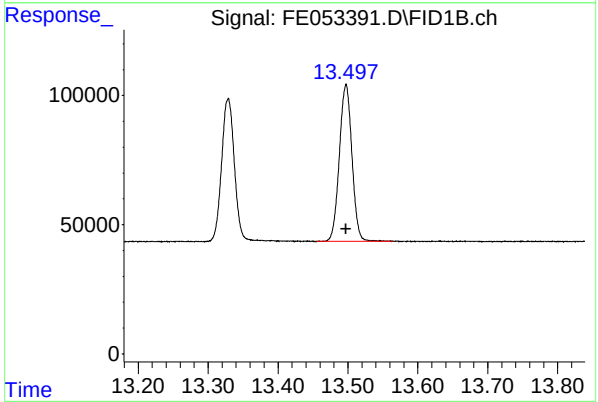
R.T.: 11.883 min
Delta R.T.: 0.000 min
Response: 940709
Conc: 5.22 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



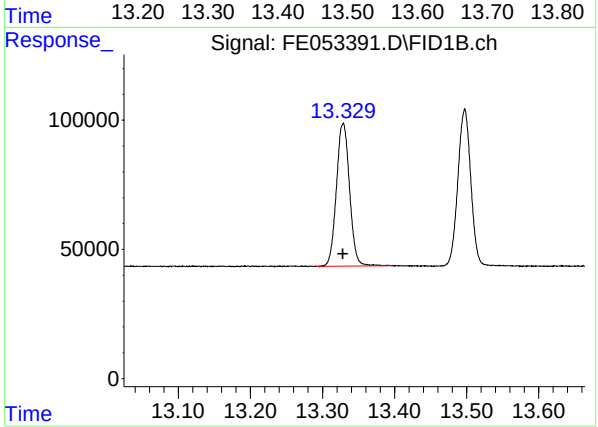
#10 n-Eicosane (C20)

R.T.: 12.883 min
Delta R.T.: 0.000 min
Response: 761828
Conc: 5.24 ug/ml



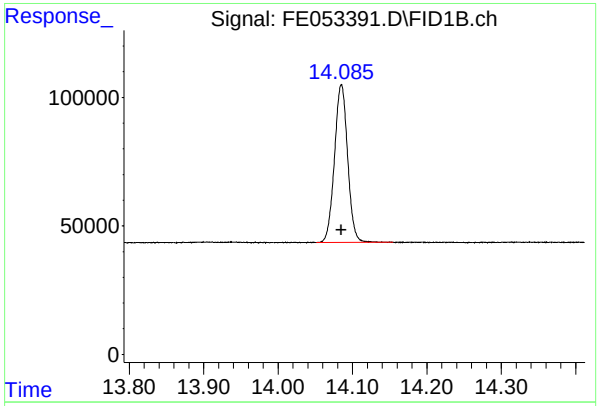
#11 n-Heneicosane (C21)

R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 759067
Conc: 5.24 ug/ml



#12 1-chlorooctadecane (SURR)

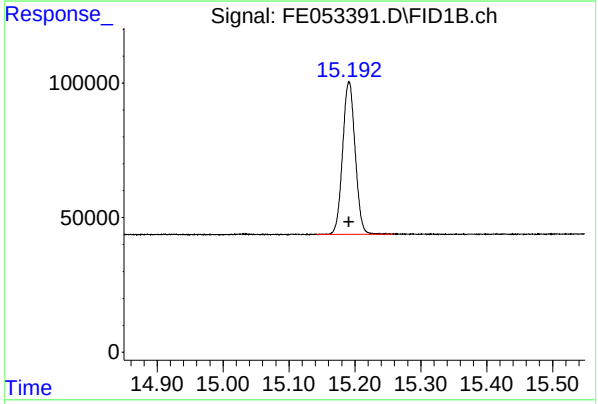
R.T.: 13.329 min
Delta R.T.: 0.000 min
Response: 701389
Conc: 5.19 ug/ml



#13 n-Docosane (C22)

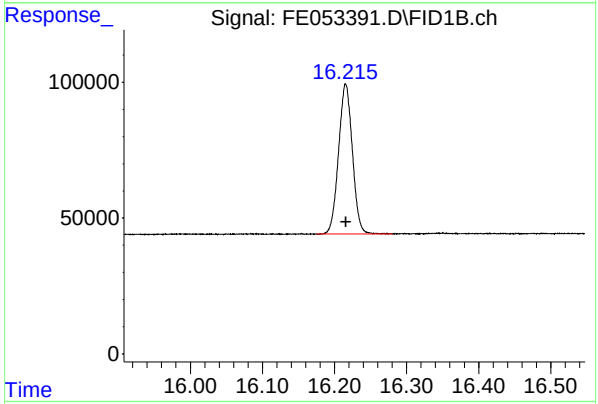
R.T.: 14.085 min
Delta R.T.: 0.000 min
Response: 754554
Conc: 5.23 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



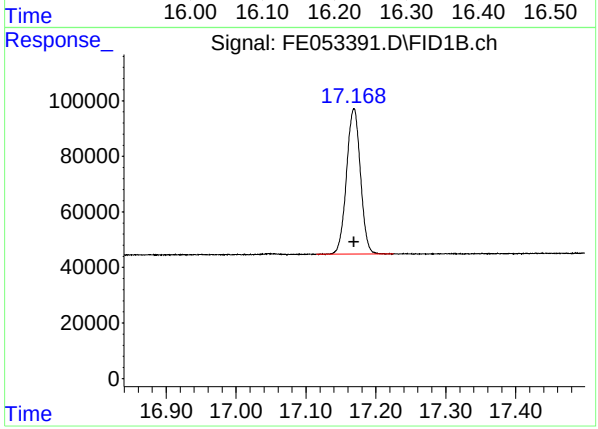
#14 n-Tetracosane (C24)

R.T.: 15.191 min
Delta R.T.: 0.000 min
Response: 746100
Conc: 5.19 ug/ml



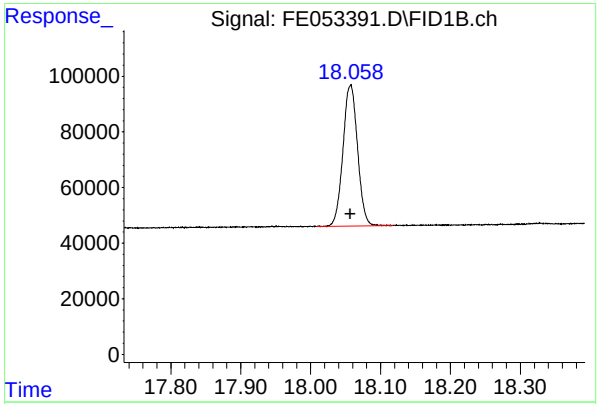
#15 n-Hexacosane (C26)

R.T.: 16.216 min
Delta R.T.: 0.000 min
Response: 736181
Conc: 5.20 ug/ml



#16 n-Octacosane (C28)

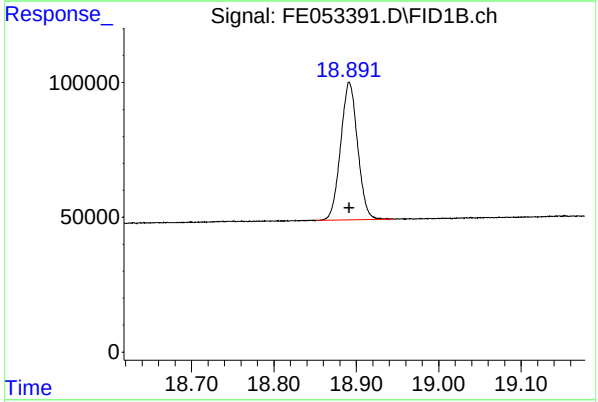
R.T.: 17.168 min
Delta R.T.: 0.000 min
Response: 725773
Conc: 5.22 ug/ml



#17 n-Tricontane (C30)

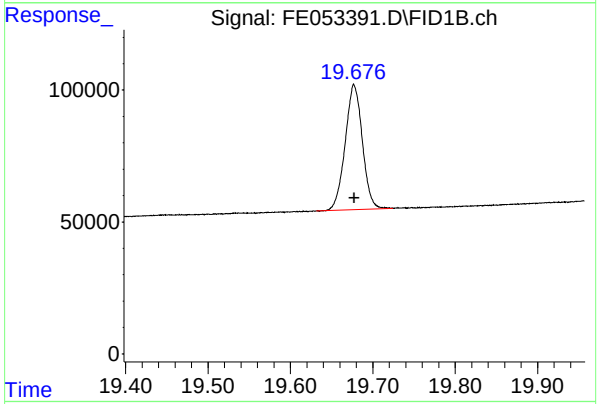
R.T.: 18.057 min
Delta R.T.: 0.000 min
Response: 733475
Conc: 5.27 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



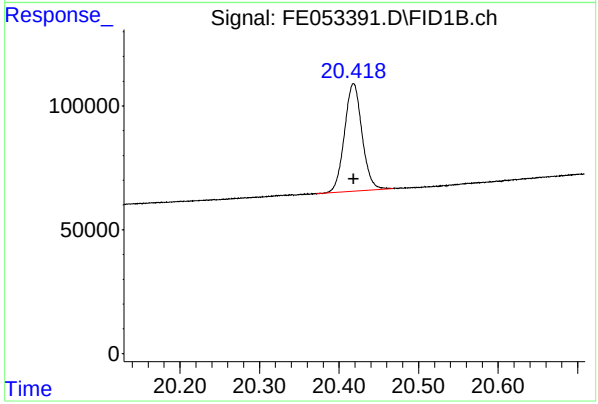
#18 n-Dotriacontane (C32)

R.T.: 18.892 min
Delta R.T.: 0.000 min
Response: 729142
Conc: 5.31 ug/ml



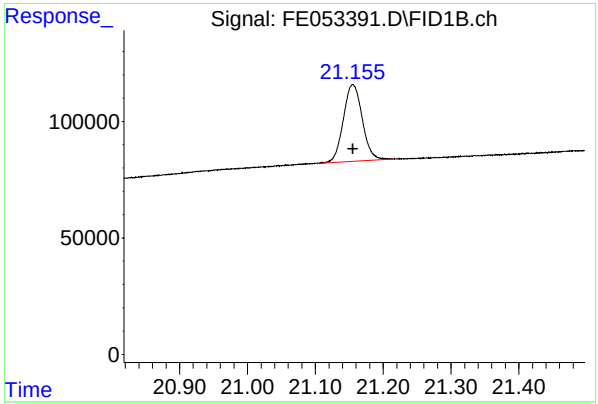
#19 n-Tetratriacontane (C34)

R.T.: 19.677 min
Delta R.T.: 0.000 min
Response: 685913
Conc: 5.26 ug/ml



#20 n-Hexatriacontane (C36)

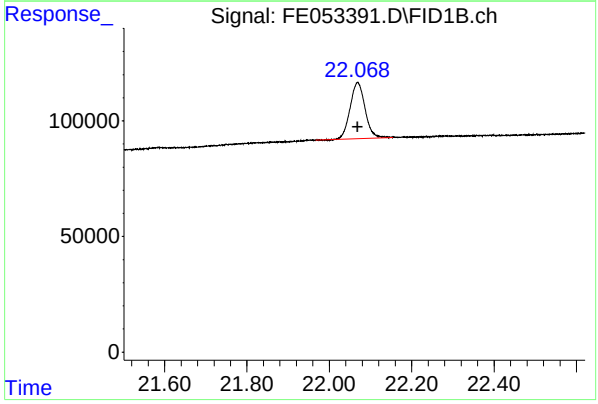
R.T.: 20.418 min
Delta R.T.: 0.000 min
Response: 664340
Conc: 5.26 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.155 min
Delta R.T.: 0.000 min
Response: 635999
Conc: 5.22 ug/ml

Instrument :
FID_E
ClientSampleId :
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.069 min
Delta R.T.: 0.000 min
Response: 612014
Conc: 5.12 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053391.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:06
Sample : 5 PPM ALIPHATIC HC STD5
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.230	3.194	3.301	BB	66905	707563	75.22%	4.415%
2	4.490	4.458	4.564	BB	68084	710133	75.49%	4.431%
3	6.204	6.178	6.304	BB	64926	751368	79.87%	4.688%
4	6.670	6.638	6.741	BB	66816	717848	76.31%	4.479%
5	7.306	7.268	7.411	BB	60660	735745	78.21%	4.591%
6	8.506	8.468	8.588	BB	62390	720666	76.61%	4.497%
7	10.120	10.084	10.191	BB	62482	738140	78.47%	4.606%
8	11.568	11.531	11.634	BB	63215	757847	80.56%	4.729%
9	11.883	11.844	11.951	BB	82336	940709	100.00%	5.870%
10	12.883	12.848	12.944	BB	62339	761828	80.98%	4.754%
11	13.329	13.291	13.398	BB	55184	701389	74.56%	4.377%
12	13.497	13.454	13.564	BB	60842	759067	80.69%	4.737%
13	14.085	14.051	14.154	BB	61412	754554	80.21%	4.708%
14	15.191	15.141	15.258	BB	56621	746100	79.31%	4.656%
15	16.216	16.174	16.281	BB	55228	736181	78.26%	4.594%
16	17.168	17.114	17.224	BB	52307	725773	77.15%	4.529%
17	18.057	18.008	18.118	BB	50834	733475	77.97%	4.577%
18	18.892	18.851	18.944	BB	51161	729142	77.51%	4.550%
19	19.677	19.631	19.724	BB	47166	685913	72.91%	4.280%
20	20.418	20.371	20.468	BB	43445	664340	70.62%	4.145%
21	21.155	21.101	21.214	BB	32956	635999	67.61%	3.969%
22	22.069	21.968	22.154	BB	24342	612014	65.06%	3.819%
			Sum of corrected areas:			16025793		

Aliphatic EPH 041725.M Thu Apr 17 04:27:35 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053392.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:36
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 16 19:24:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 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)	11.884	3592156	19.916 ug/ml
	Spiked Amount 50.000		Recovery = 39.83%	
12)	S 1-chlorooctadecane (S...	13.329	2698440	19.962 ug/ml
	Spiked Amount 50.000		Recovery = 39.92%	
	Target Compounds			
1)	T n-Nonane (C9)	3.229	2729694	19.910 ug/ml
2)	T n-Decane (C10)	4.490	2748010	19.865 ug/ml
3)	T A~Naphthalene (C11.7)	6.202	3014099	19.968 ug/ml
4)	T n-Dodecane (C12)	6.669	2785938	19.864 ug/ml
5)	T A~2-methylnaphthalene...	7.304	2998640	20.084 ug/ml
6)	T n-Tetradecane (C14)	8.506	2790709	19.892 ug/ml
7)	T n-Hexadecane (C16)	10.120	2856402	19.930 ug/ml
8)	T n-Octadecane (C18)	11.570	2904509	19.930 ug/ml
10)	T n-Eicosane (C20)	12.884	2899926	19.929 ug/ml
11)	T n-Heneicosane (C21)	13.497	2887388	19.934 ug/ml
13)	T n-Docosane (C22)	14.085	2871168	19.897 ug/ml
14)	T n-Tetracosane (C24)	15.192	2844489	19.803 ug/ml
15)	T n-Hexacosane (C26)	16.216	2796796	19.747 ug/ml
16)	T n-Octacosane (C28)	17.168	2737911	19.679 ug/ml
17)	T n-Tricontane (C30)	18.058	2734044	19.642 ug/ml
18)	T n-Dotriacontane (C32)	18.892	2693828	19.619 ug/ml
19)	T n-Tetratriacontane (C34)	19.677	2567446	19.705 ug/ml
20)	T n-Hexatriacontane (C36)	20.418	2523463	19.988 ug/ml
21)	T n-Octatriacontane (C38)	21.155	2409665	19.779 ug/ml
22)	T n-Tetracontane (C40)	22.067	2357865	19.744 ug/ml

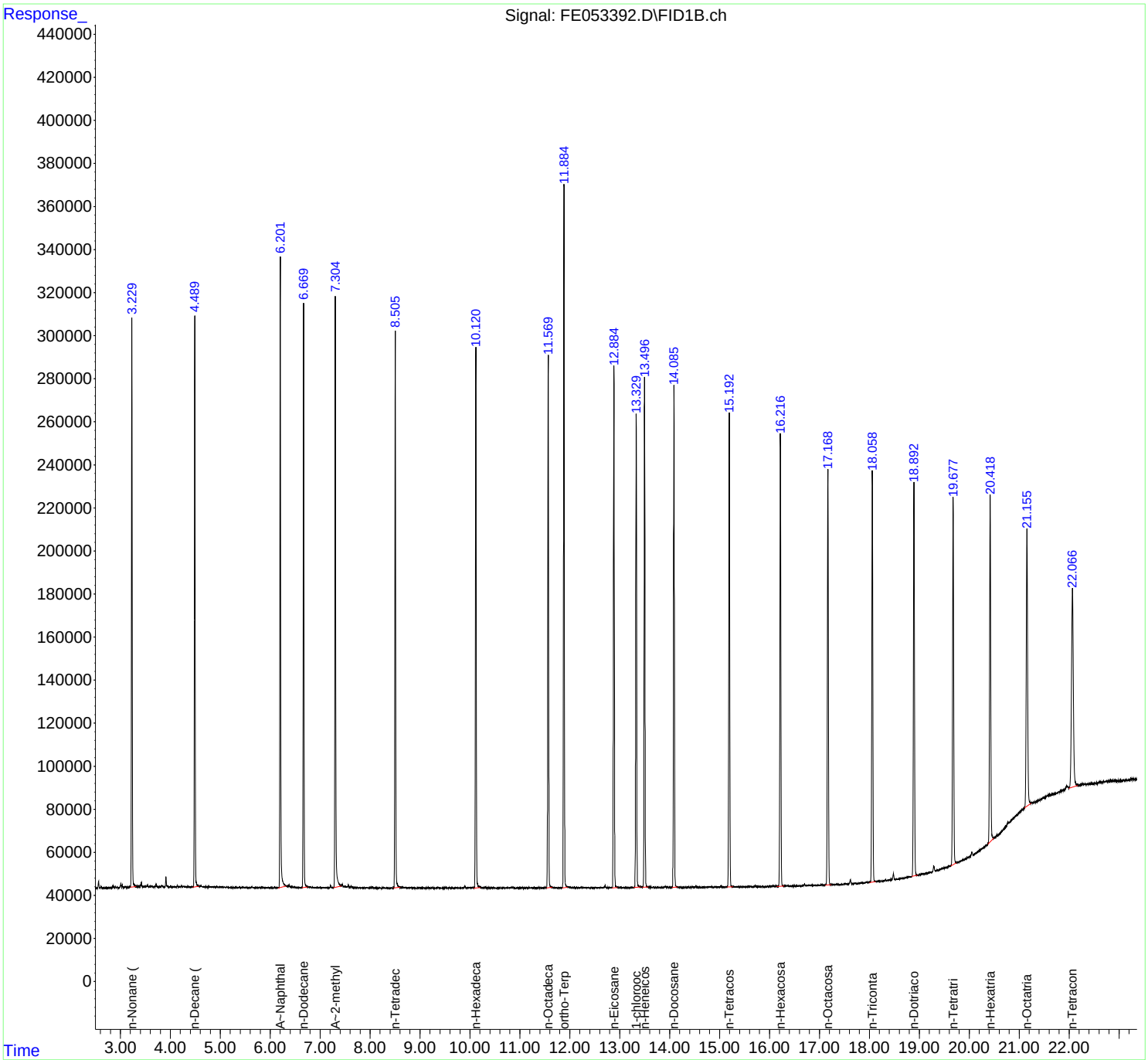
(f)=RT Delta > 1/2 Window (m)=manual int.

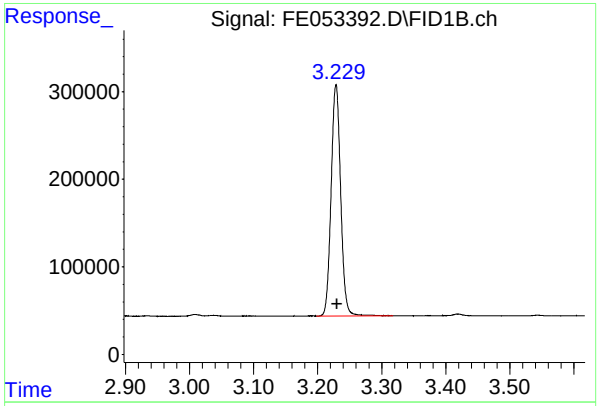
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053392.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:36
Operator : YP\AJ
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e
Quant Time: Apr 16 19:24:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Quant Title : GC Extractables
QLast Update : Wed Apr 16 18:29:18 2025
Response via : Initial Calibration
Integrator: ChemStation

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

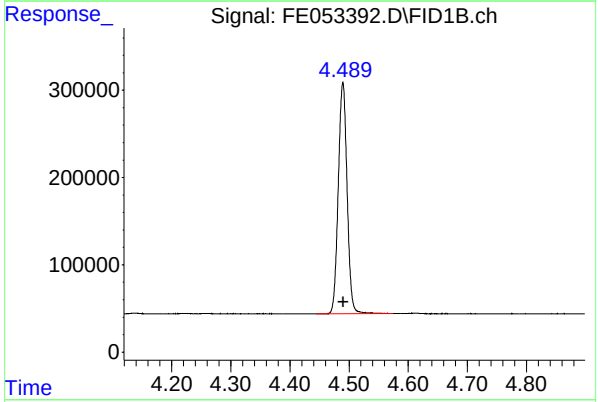




#1 n-Nonane (C9)

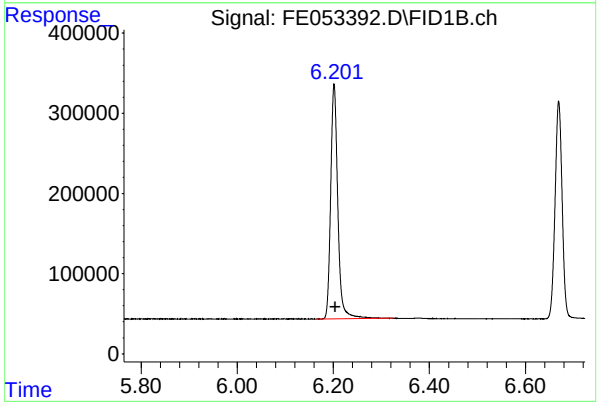
R.T.: 3.229 min
Delta R.T.: -0.001 min
Response: 2729694
Conc: 19.91 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



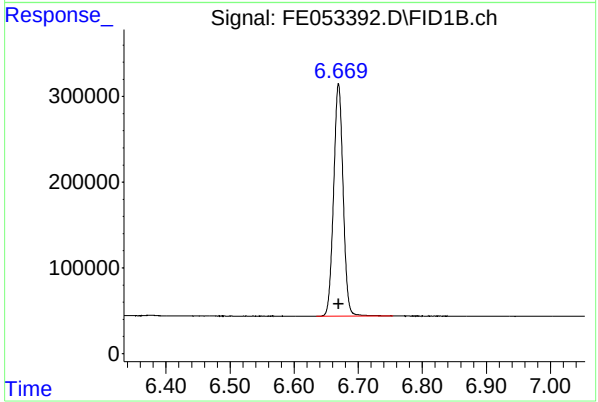
#2 n-Decane (C10)

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 2748010
Conc: 19.86 ug/ml



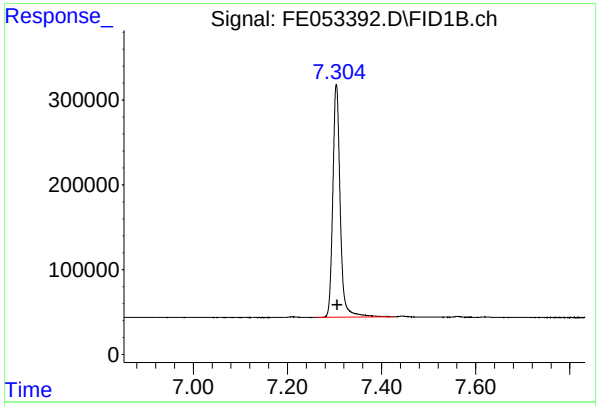
#3 A~Naphthalene (C11.7)

R.T.: 6.202 min
Delta R.T.: -0.002 min
Response: 3014099
Conc: 19.97 ug/ml



#4 n-Dodecane (C12)

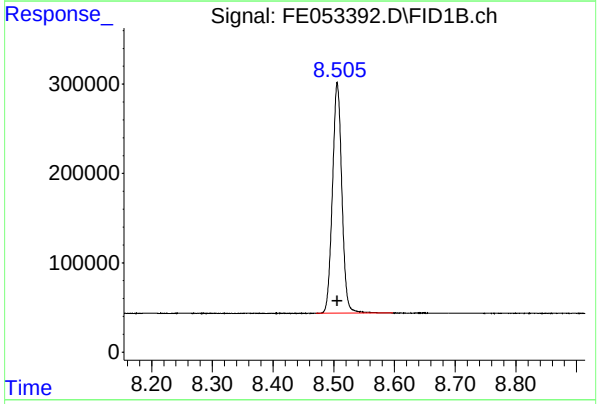
R.T.: 6.669 min
Delta R.T.: 0.000 min
Response: 2785938
Conc: 19.86 ug/ml



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

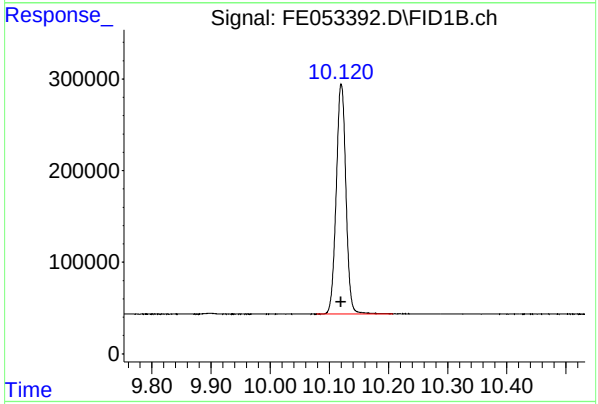
R.T.: 7.304 min
Delta R.T.: -0.002 min
Response: 2998640
Conc: 20.08 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



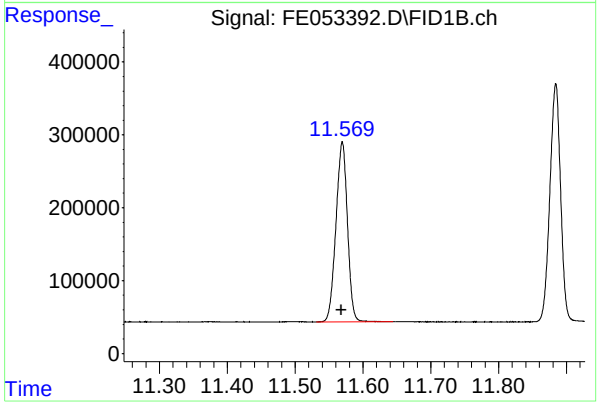
#6 n-Tetradecane (C14)

R.T.: 8.506 min
Delta R.T.: 0.000 min
Response: 2790709
Conc: 19.89 ug/ml



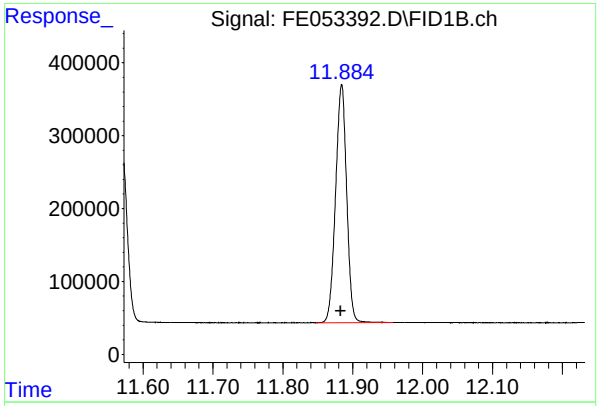
#7 n-Hexadecane (C16)

R.T.: 10.120 min
Delta R.T.: 0.000 min
Response: 2856402
Conc: 19.93 ug/ml



#8 n-Octadecane (C18)

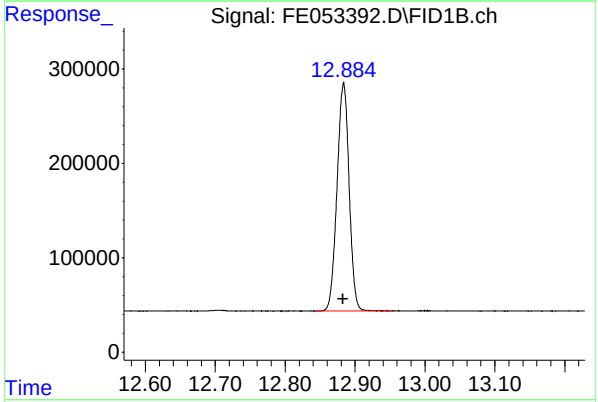
R.T.: 11.570 min
Delta R.T.: 0.001 min
Response: 2904509
Conc: 19.93 ug/ml



#9 ortho-Terphenyl (SURR)

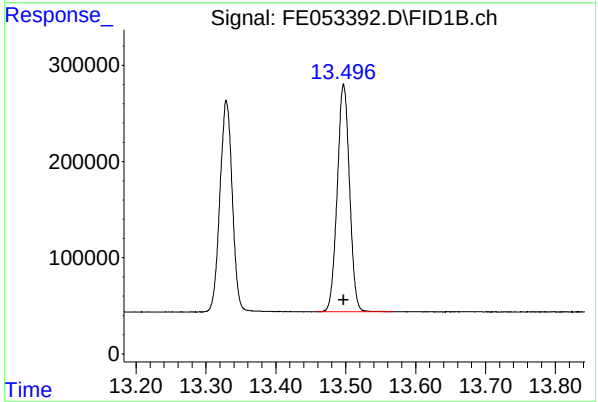
R.T.: 11.884 min
Delta R.T.: 0.001 min
Response: 3592156
Conc: 19.92 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



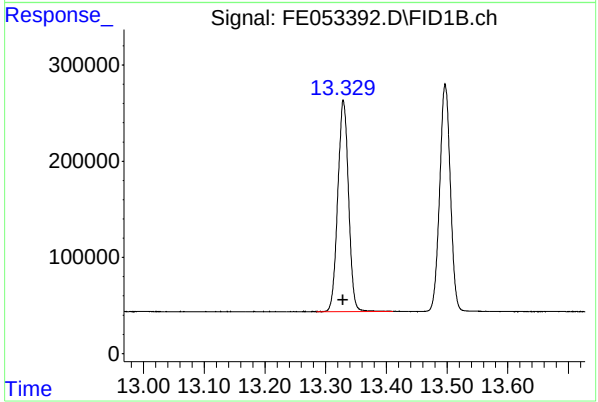
#10 n-Eicosane (C20)

R.T.: 12.884 min
Delta R.T.: 0.001 min
Response: 2899926
Conc: 19.93 ug/ml



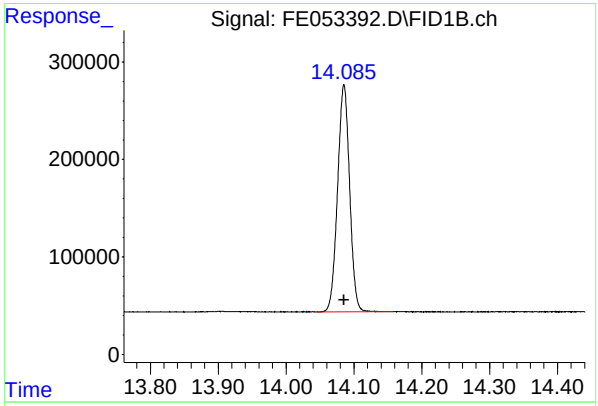
#11 n-Heneicosane (C21)

R.T.: 13.497 min
Delta R.T.: 0.000 min
Response: 2887388
Conc: 19.93 ug/ml



#12 1-chlorooctadecane (SURR)

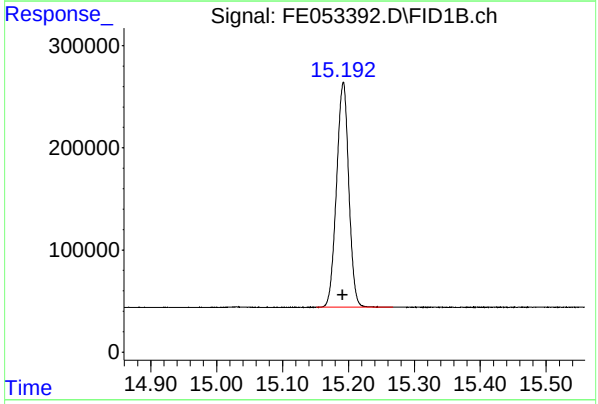
R.T.: 13.329 min
Delta R.T.: 0.000 min
Response: 2698440
Conc: 19.96 ug/ml



#13 n-Docosane (C22)

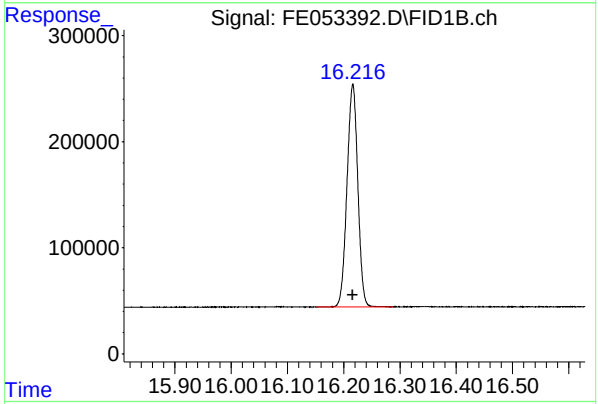
R.T.: 14.085 min
Delta R.T.: 0.000 min
Response: 2871168
Conc: 19.90 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



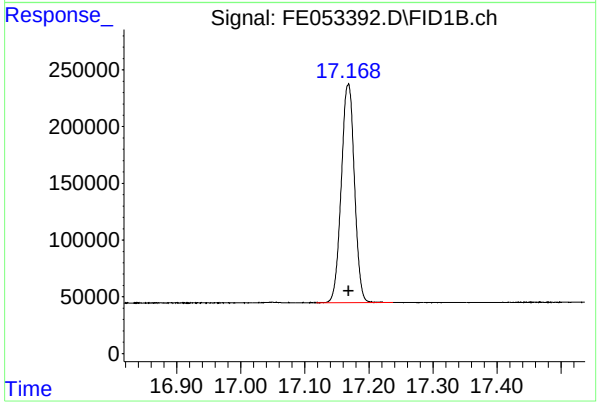
#14 n-Tetracosane (C24)

R.T.: 15.192 min
Delta R.T.: 0.000 min
Response: 2844489
Conc: 19.80 ug/ml



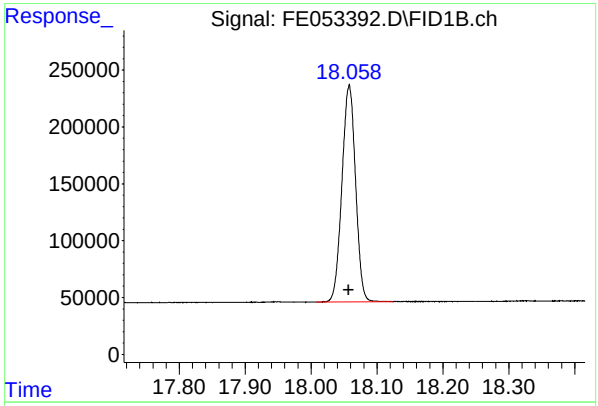
#15 n-Hexacosane (C26)

R.T.: 16.216 min
Delta R.T.: 0.000 min
Response: 2796796
Conc: 19.75 ug/ml



#16 n-Octacosane (C28)

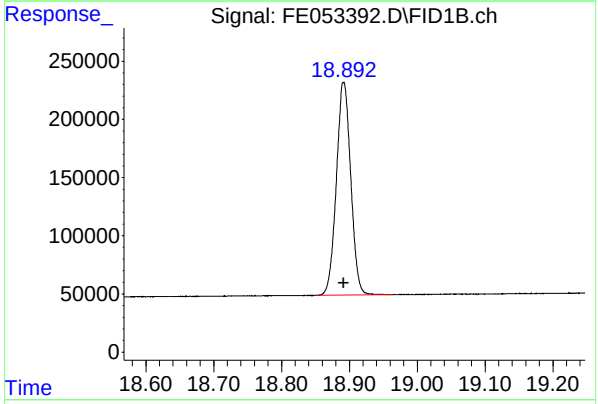
R.T.: 17.168 min
Delta R.T.: 0.000 min
Response: 2737911
Conc: 19.68 ug/ml



#17 n-Tricontane (C30)

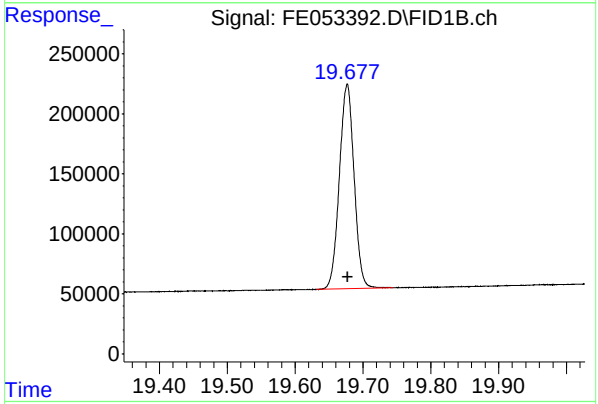
R.T.: 18.058 min
Delta R.T.: 0.000 min
Response: 2734044
Conc: 19.64 ug/ml

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



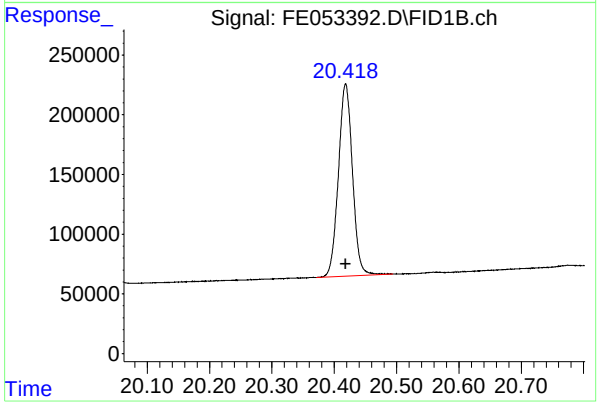
#18 n-Dotriacontane (C32)

R.T.: 18.892 min
Delta R.T.: 0.000 min
Response: 2693828
Conc: 19.62 ug/ml



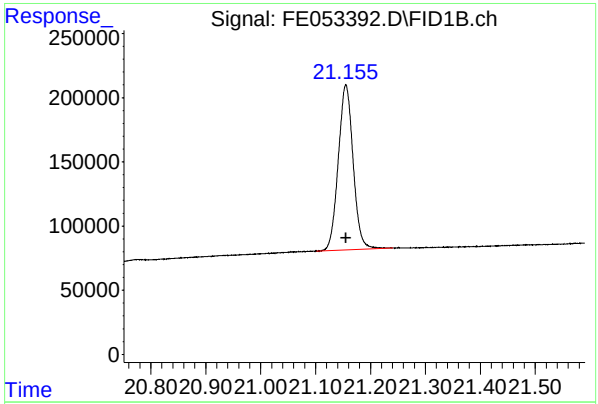
#19 n-Tetratriacontane (C34)

R.T.: 19.677 min
Delta R.T.: 0.000 min
Response: 2567446
Conc: 19.71 ug/ml



#20 n-Hexatriacontane (C36)

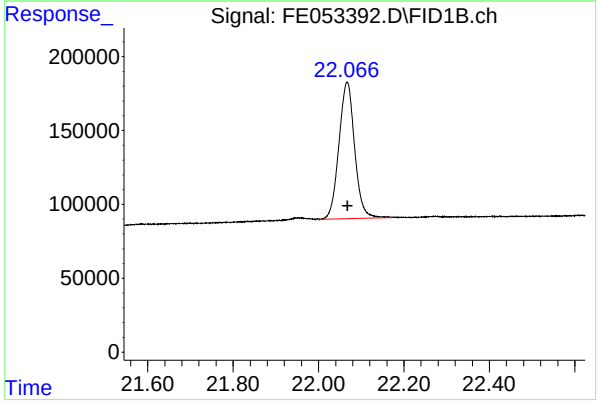
R.T.: 20.418 min
Delta R.T.: 0.000 min
Response: 2523463
Conc: 19.99 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.155 min
Delta R.T.: 0.000 mi
Response: 2409665
Conc: 19.78 ug/m

Instrument :
FID_E
ClientSampleId :
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.067 min
Delta R.T.: -0.002 min
Response: 2357865
Conc: 19.74 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE041725AL\
Data File : FE053392.D
Signal(s) : FID1B.ch
Acq On : 16 Apr 2025 18:36
Sample : 20 PPM ALIPHATIC HC STD ICV
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 041725.M
Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.229	3.198	3.318	BB	263521	2729694	75.99%	4.443%
2	4.490	4.444	4.574	BB	265180	2748010	76.50%	4.472%
3	6.202	6.164	6.324	BB	291196	3014099	83.91%	4.906%
4	6.669	6.634	6.754	BB	269490	2785938	77.56%	4.534%
5	7.304	7.261	7.424	BV	275117	2998640	83.48%	4.880%
6	8.506	8.471	8.598	BB	254552	2790709	77.69%	4.542%
7	10.120	10.078	10.208	BB	250998	2856402	79.52%	4.649%
8	11.570	11.531	11.644	BB	247517	2904509	80.86%	4.727%
9	11.884	11.848	11.958	BB	327117	3592156	100.00%	5.846%
10	12.884	12.844	12.954	BB	241267	2899926	80.73%	4.720%
11	13.329	13.284	13.411	BB	217408	2698440	75.12%	4.392%
12	13.497	13.458	13.568	BB	235681	2887388	80.38%	4.699%
13	14.085	14.044	14.158	BB	231989	2871168	79.93%	4.673%
14	15.192	15.151	15.268	BB	218527	2844489	79.19%	4.630%
15	16.216	16.151	16.288	BB	210624	2796796	77.86%	4.552%
16	17.168	17.118	17.238	BB	192634	2737911	76.22%	4.456%
17	18.058	18.008	18.124	BB	190258	2734044	76.11%	4.450%
18	18.892	18.851	18.964	BB	183755	2693828	74.99%	4.384%
19	19.677	19.631	19.744	BB	170916	2567446	71.47%	4.179%
20	20.418	20.371	20.494	BB	160885	2523463	70.25%	4.107%
21	21.155	21.101	21.241	BB	128552	2409665	67.08%	3.922%
22	22.067	21.994	22.174	VB	92395	2357865	65.64%	3.838%
			Sum of corrected areas:			61442583		

Aliphatic EPH 041725.M Thu Apr 17 04:27:52 2025