

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF052224AR\
 Data File : FF014265.D
 Signal(s) : FID2B.ch
 Acq On : 22 May 2024 11:25
 Operator : YP\AJ
 Sample : 5 PPM AROMATIC HC STD5
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 5 PPM AROMATIC HC STD5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/23/2024
 Supervised By :Ankita Jodhani 05/23/2024

Integration File: autoint1.e
 Quant Time: May 22 12:05:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 052224.M
 Quant Title : GC Extractables
 QLast Update : Wed May 22 12:04:46 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.903	443217	3.923 ug/ml
Spiked Amount 50.000		Recovery =	7.85%
6) S 2-Fluorobiphenyl (SURR)	8.779	224059	3.427 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	6.85%
11) S ortho-Terphenyl (SURR)	11.833	670507	4.702 ug/ml
Spiked Amount 50.000		Recovery =	9.40%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.517	639478	4.694 ug/ml
2) T Naphthalene (C11.7)	6.182	545810	4.074 ug/ml
3) T 2-Methylnaphthalene (...)	7.276	476624	3.941 ug/ml
5) T Acenaphthylene (C15.06)	8.572	562881	4.254 ug/ml
7) T Acenaphthene (C15.5)	8.870	626424	4.497 ug/ml
8) T Flouorene (C16.55)	9.662	413401	4.054 ug/ml
9) T Phenanthrene (C19.36)	11.066	428965	4.070 ug/ml
10) T Anthracene (C19.43)	11.144	404448	4.246 ug/ml
12) T Fluoranthene (C21.85)	12.884	532909	4.390 ug/ml
13) T Pyrene (C20.8)	13.179	546067	4.438 ug/ml
14) T Benzo[a]anthracene (C...	15.071	175060	3.117 ug/mlm
15) T Chrysene (C27.41)	15.108	479564	5.755 ug/mlm
16) T benzo[b]fluoranthene ...	16.623	342451	3.195 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.654	607057	5.795 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.008	391170	4.090 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.385	248480	3.316 ug/mlm
20) T Dibenz[a,h]anthracene...	18.438	297508	4.866 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.628	528942	4.197 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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Operator : YP\AJ
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ALS Vial : 65 Sample Multiplier: 1

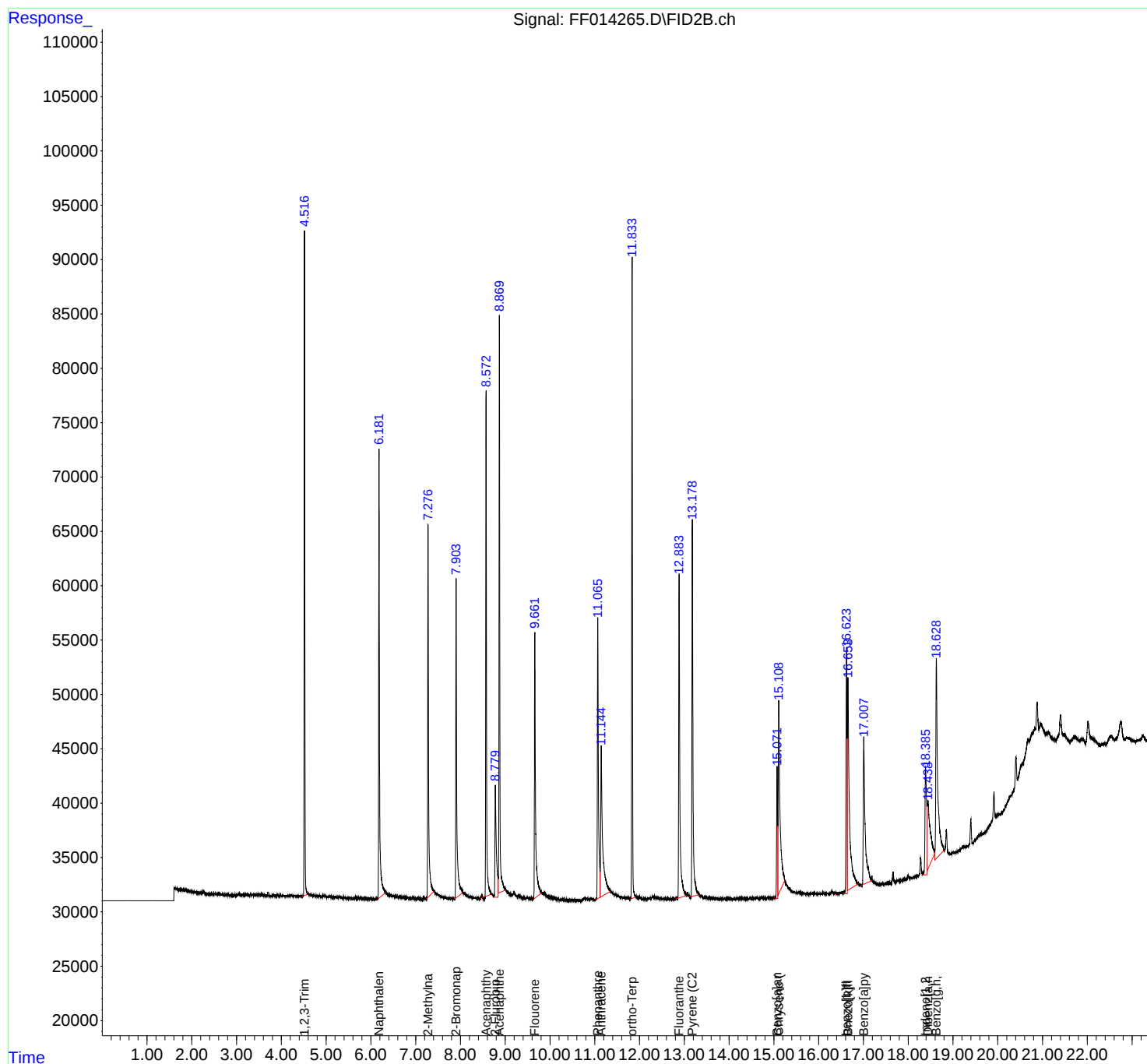
Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

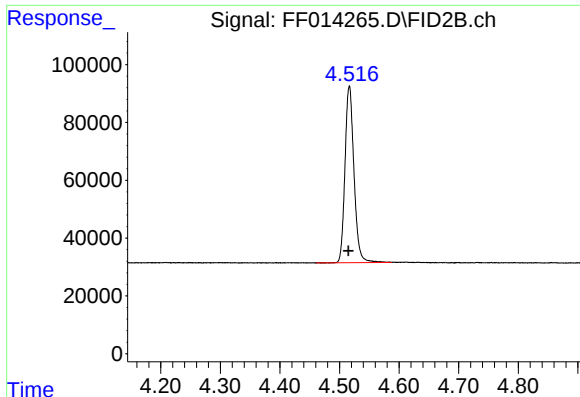
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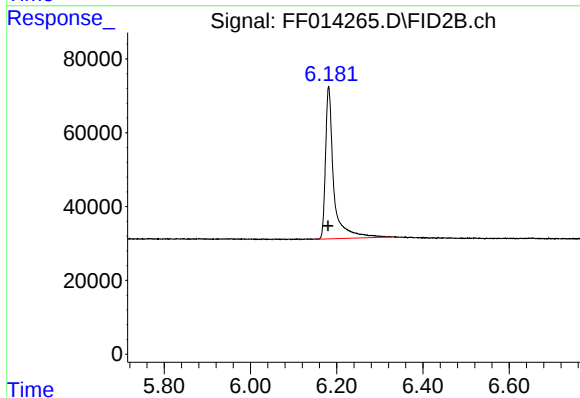
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 639478
Conc: 4.69 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

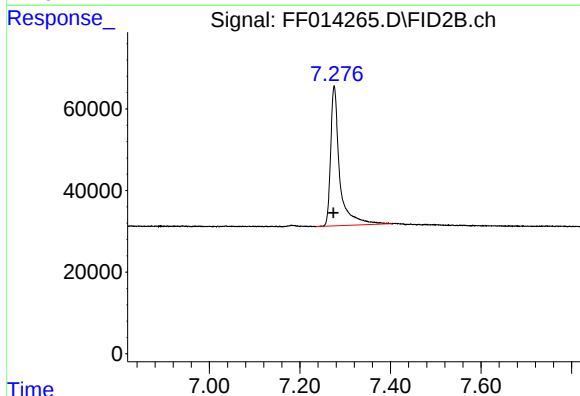
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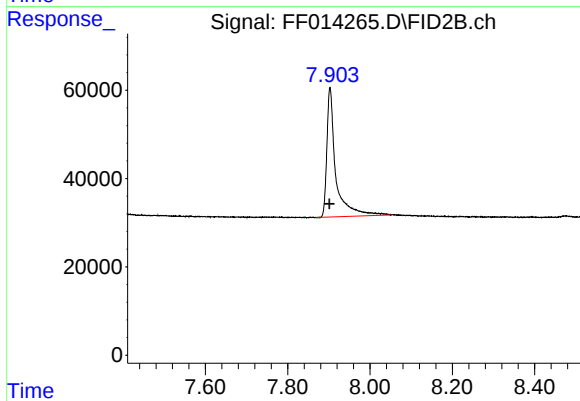
#2 Naphthalene (C11.7)

R.T.: 6.182 min
Delta R.T.: 0.002 min
Response: 545810
Conc: 4.07 ug/ml



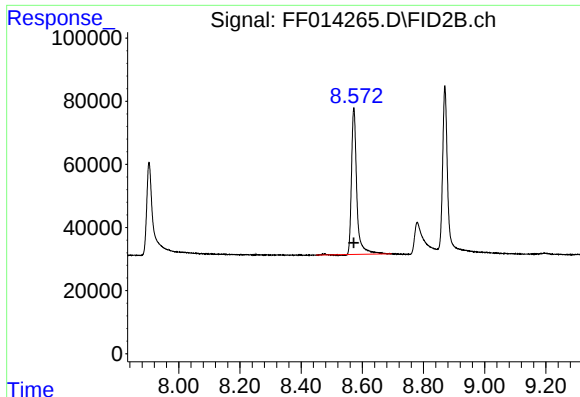
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.276 min
Delta R.T.: 0.002 min
Response: 476624
Conc: 3.94 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.903 min
Delta R.T.: 0.002 min
Response: 443217
Conc: 3.92 ug/ml



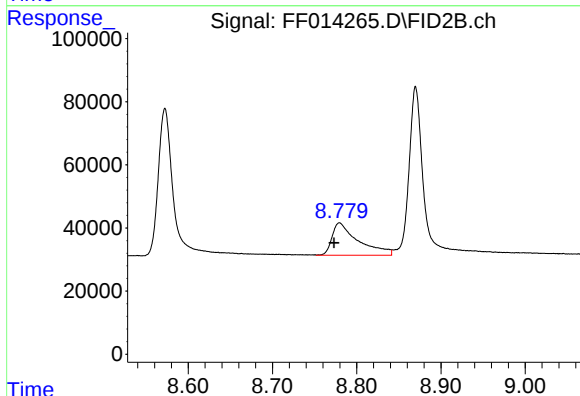
#5 Acenaphthylene (C15.06)

R.T.: 8.572 min
Delta R.T.: 0.000 min
Response: 562881
Conc: 4.25 ug/ml

Instrument :
FID_F
ClientSampleId :
5 PPM AROMATIC HC STD5

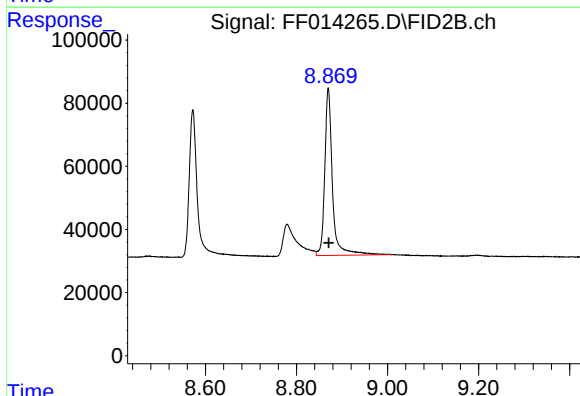
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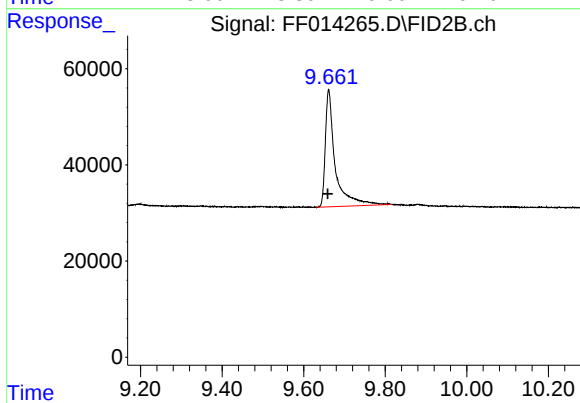
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.779 min
Delta R.T.: 0.005 min
Response: 224059
Conc: 3.43 ug/ml m



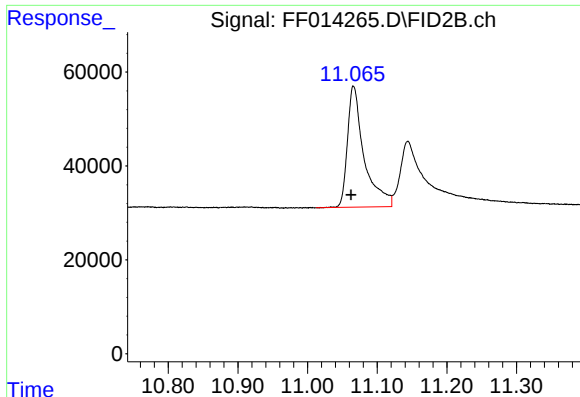
#7 Acenaphthene (C15.5)

R.T.: 8.870 min
Delta R.T.: -0.001 min
Response: 626424
Conc: 4.50 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.662 min
Delta R.T.: 0.003 min
Response: 413401
Conc: 4.05 ug/ml



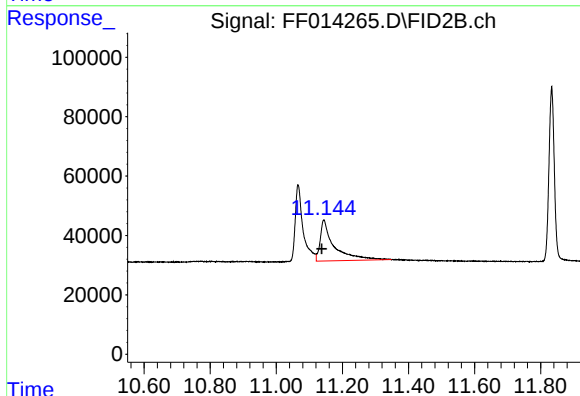
#9 Phenanthrene (C19.36)

R.T.: 11.066 min
Delta R.T.: 0.004 min
Response: 428965
Conc: 4.07 ug/ml

Instrument :
FID_F
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5 PPM AROMATIC HC STD5

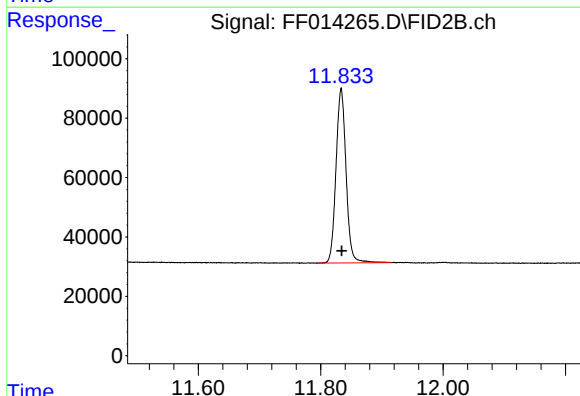
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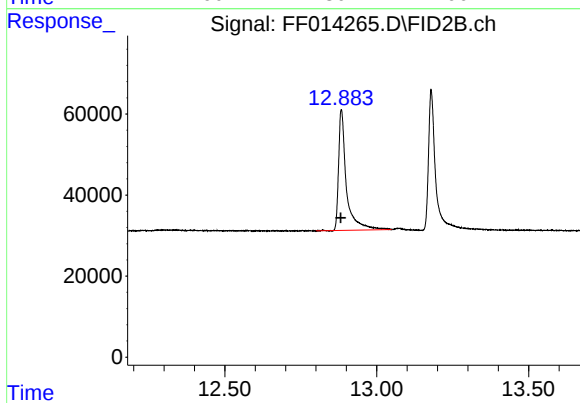
#10 Anthracene (C19.43)

R.T.: 11.144 min
Delta R.T.: 0.006 min
Response: 404448
Conc: 4.25 ug/ml



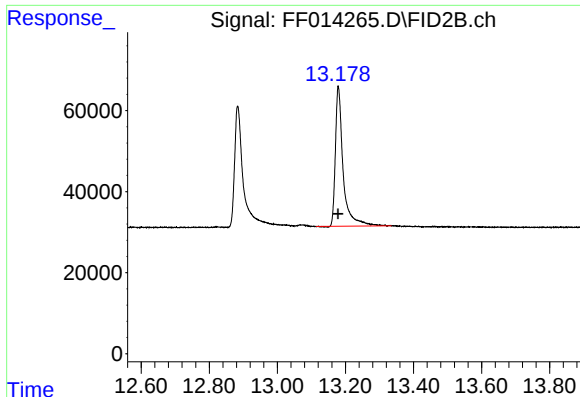
#11 ortho-Terphenyl (SURR)

R.T.: 11.833 min
Delta R.T.: 0.000 min
Response: 670507
Conc: 4.70 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.884 min
Delta R.T.: 0.002 min
Response: 532909
Conc: 4.39 ug/ml



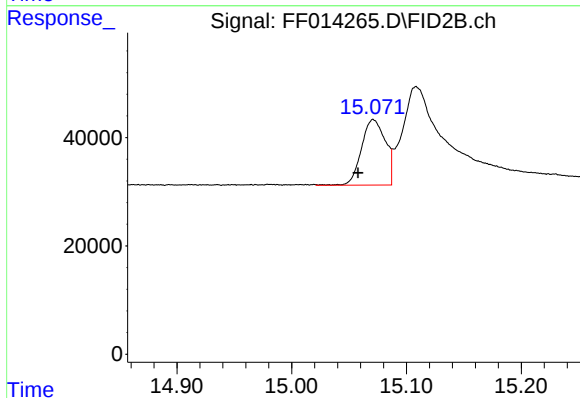
#13 Pyrene (C20.8)

R.T.: 13.179 min
Delta R.T.: 0.000 min
Response: 546067
Conc: 4.44 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

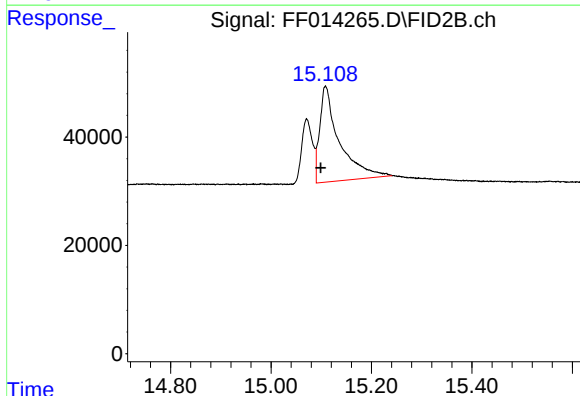
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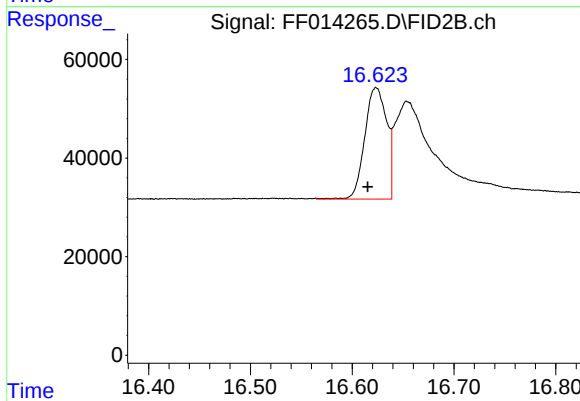
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.071 min
Delta R.T.: 0.013 min
Response: 175060
Conc: 3.12 ug/ml m



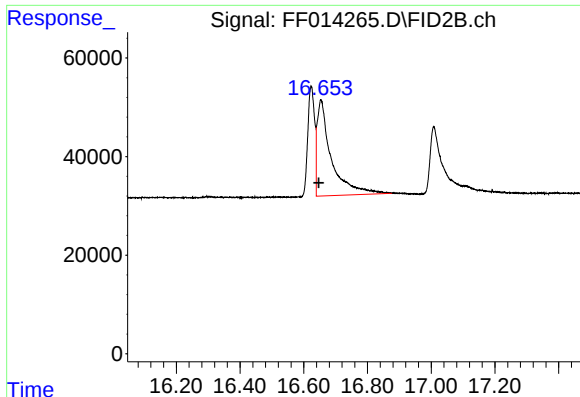
#15 Chrysene (C27.41)

R.T.: 15.108 min
Delta R.T.: 0.009 min
Response: 479564
Conc: 5.75 ug/ml m



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.623 min
Delta R.T.: 0.007 min
Response: 342451
Conc: 3.20 ug/ml m



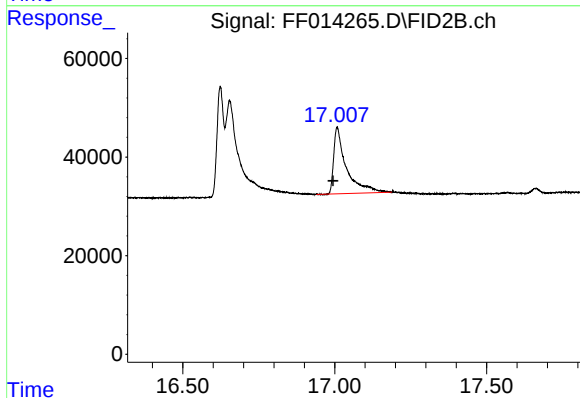
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.654 min
Delta R.T.: 0.008 min
Response: 607057
Conc: 5.80 ug/ml

Instrument :
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5 PPM AROMATIC HC STD5

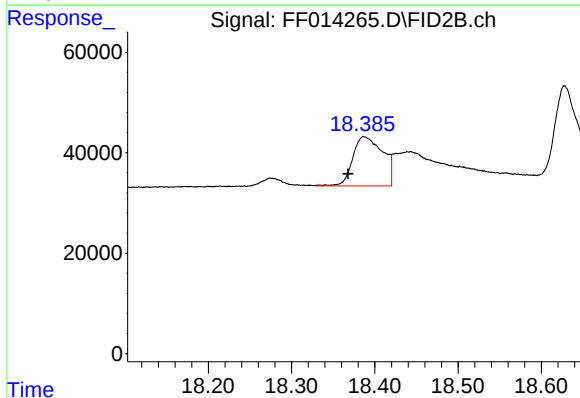
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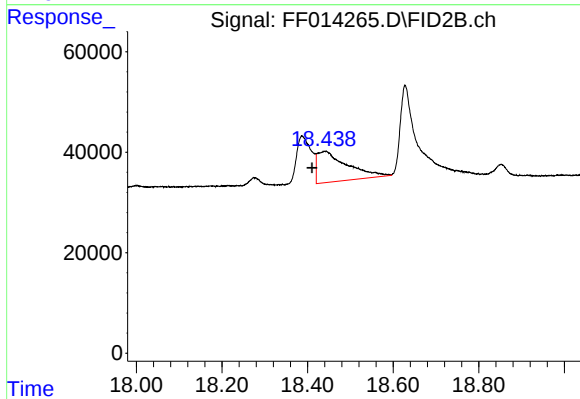
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.008 min
Delta R.T.: 0.013 min
Response: 391170
Conc: 4.09 ug/ml



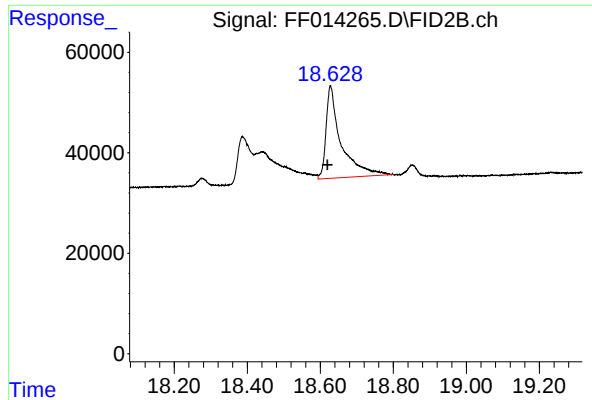
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.385 min
Delta R.T.: 0.017 min
Response: 248480
Conc: 3.32 ug/ml m



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 18.438 min
Delta R.T.: 0.028 min
Response: 297508
Conc: 4.87 ug/ml m



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.628 min
Delta R.T.: 0.009 min
Response: 528942
Conc: 4.20 ug/ml

Instrument :

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ClientSampleId :

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