

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD062423AR\
 Data File : FD045958.D
 Signal(s) : FID2B.ch
 Acq On : 24 Jun 2023 21:48
 Operator : YP/AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :Ankita Jodhani 06/26/2023

Integration File: autoint1.e
 Quant Time: Jun 25 04:28:20 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 062423.M
 Quant Title : GC Extractables
 QLast Update : Sun Jun 25 04:28:05 2023
 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...	7.528	22134784	101.155 ug/ml
Spiked Amount 50.000		Recovery =	202.31%
6) S 2-Fluorobiphenyl (SURR)	8.385	14424003	101.645 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	203.29%#
11) S ortho-Terphenyl (SURR)	11.427	25652281	100.399 ug/ml
Spiked Amount 50.000		Recovery =	200.80%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.337	25349887	100.811 ug/ml
2) T Naphthalene (C11.7)	5.868	25975650	100.868 ug/ml
3) T 2-Methylnaphthalene (...)	6.919	25772120	100.841 ug/ml
5) T Acenaphthylene (C15.06)	8.190	22066598	100.045 ug/ml
7) T Acenaphthene (C15.5)	8.489	24080799	100.793 ug/ml
8) T Fluorene (C16.55)	9.267	23343173	101.297 ug/ml
9) T Phenanthrene (C19.36)	10.658	21856954	100.999 ug/ml
10) T Anthracene (C19.43)	10.728	11352720	80.132 ug/ml
12) T Fluoranthene (C21.85)	12.465	20466191	100.285 ug/ml
13) T Pyrene (C20.8)	12.761	19675663	100.241 ug/ml
14) T Benzo[a]anthracene (C...	14.623	17363963	98.447 ug/ml
15) T Chrysene (C27.41)	14.674	19058783	100.867 ug/mlm
16) T benzo[b]fluoranthene ...	16.172	19212755	101.033 ug/ml
17) T Bnezo[k]fluoranthene ...	16.215	18440824	99.761 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.548	15868826	93.095 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.913	19483248	102.893 ug/ml
20) T Dibenz[a,h]anthracene...	17.956	18025905	98.201 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.176	18880862	100.281 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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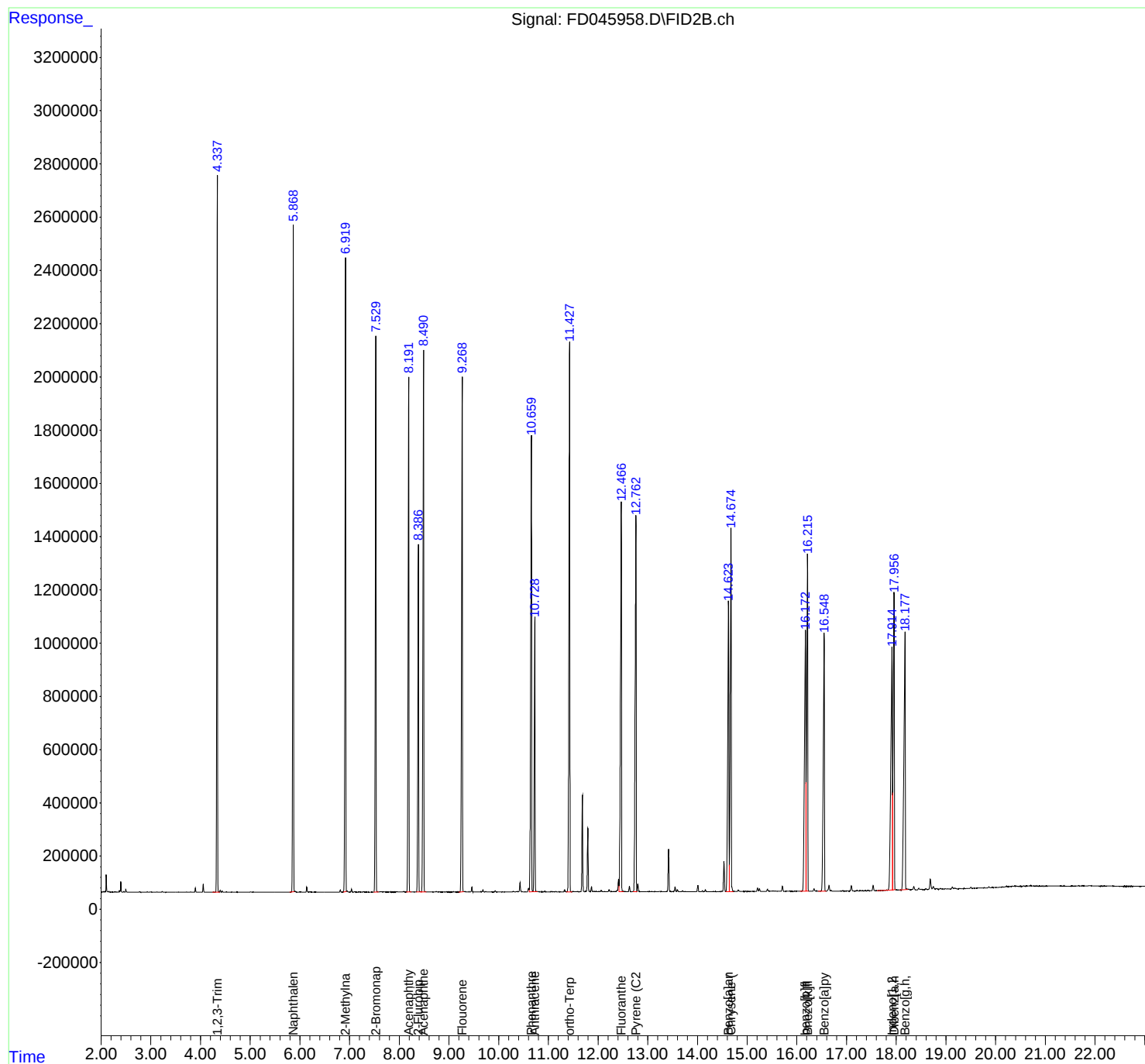
Instrument :
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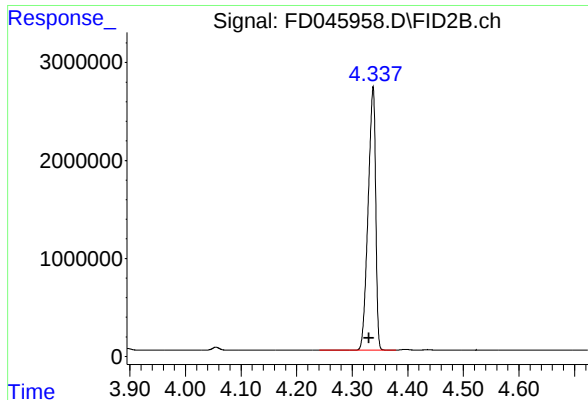
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.337 min
Delta R.T.: 0.007 min
Response: 25349887
Conc: 100.81 ug/ml

Instrument :

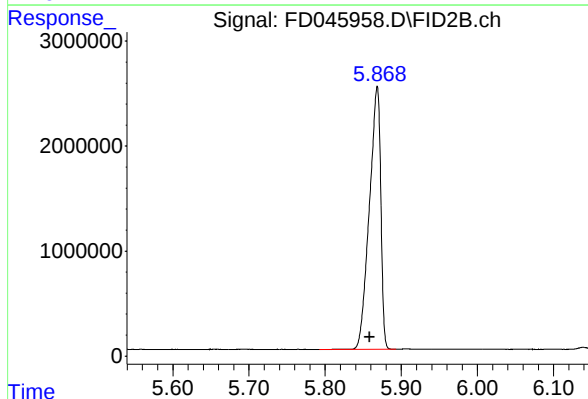
FID_D

ClientSampleId :

100 PPM AROMATIC HC STD1

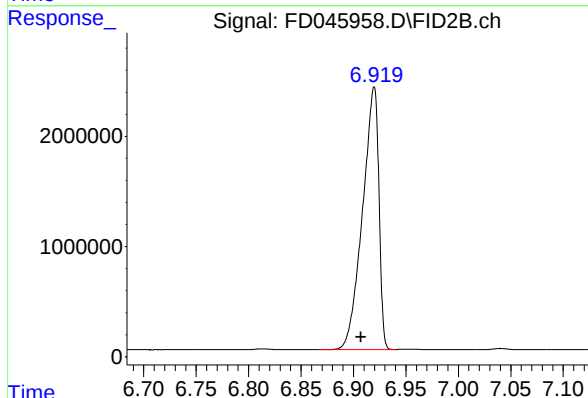
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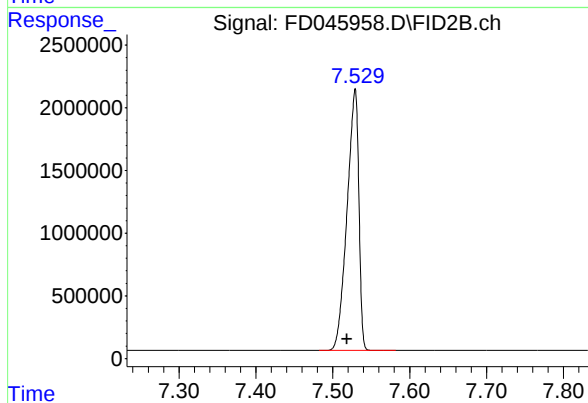
#2 Naphthalene (C11.7)

R.T.: 5.868 min
Delta R.T.: 0.009 min
Response: 25975650
Conc: 100.87 ug/ml



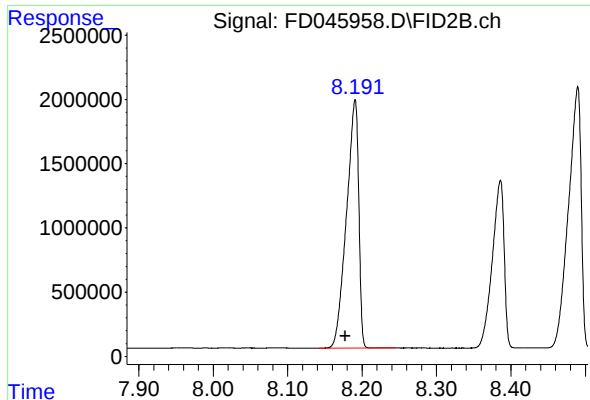
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.919 min
Delta R.T.: 0.012 min
Response: 25772120
Conc: 100.84 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.528 min
Delta R.T.: 0.010 min
Response: 22134784
Conc: 101.15 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.190 min
Delta R.T.: 0.012 min
Response: 22066598
Conc: 100.05 ug/ml

Instrument :

FID_D

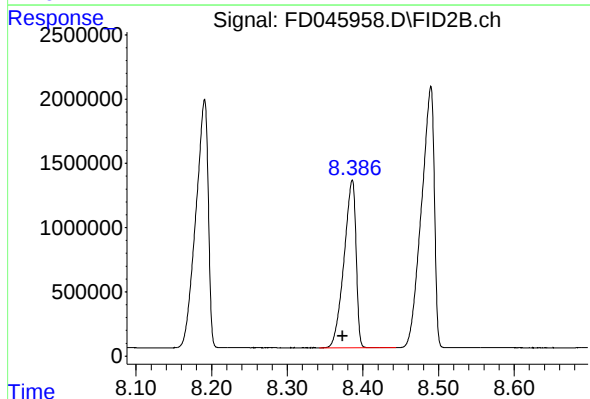
ClientSampleId :

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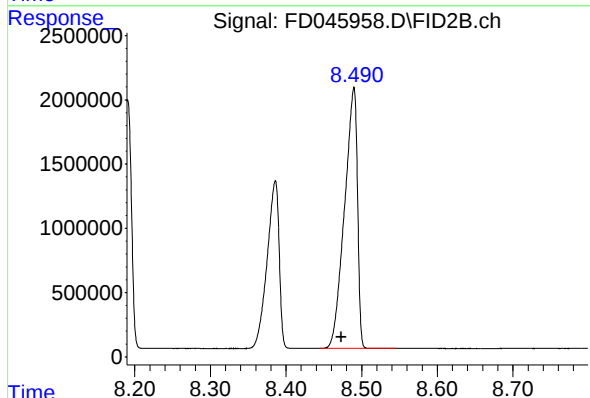
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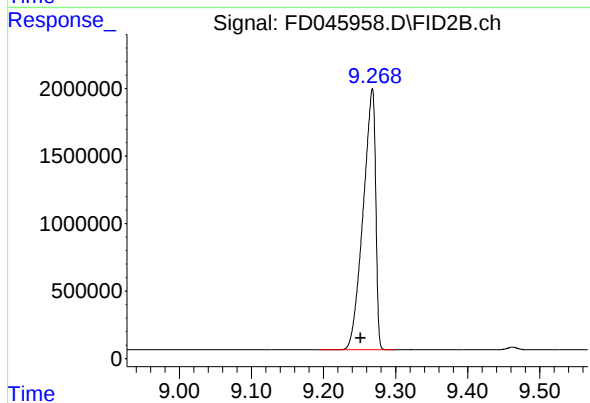
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.385 min
Delta R.T.: 0.012 min
Response: 14424003
Conc: 101.65 ug/ml



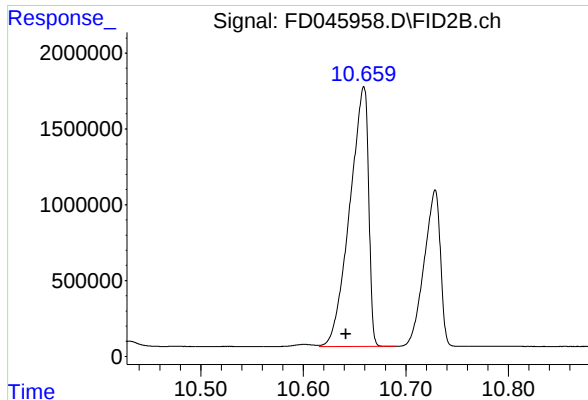
#7 Acenaphthene (C15.5)

R.T.: 8.489 min
Delta R.T.: 0.016 min
Response: 24080799
Conc: 100.79 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.267 min
Delta R.T.: 0.015 min
Response: 23343173
Conc: 101.30 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.658 min
Delta R.T.: 0.016 min
Response: 21856954
Conc: 101.00 ug/ml

Instrument :

FID_D

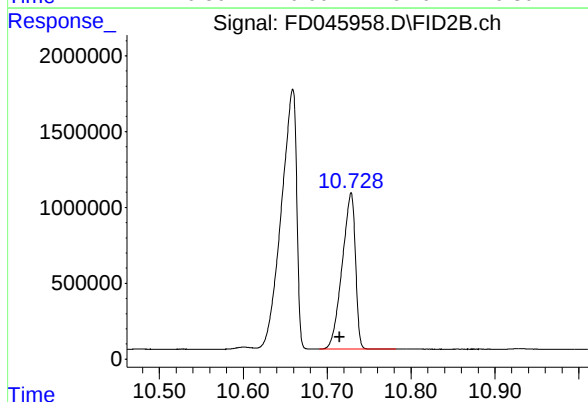
ClientSampleId :

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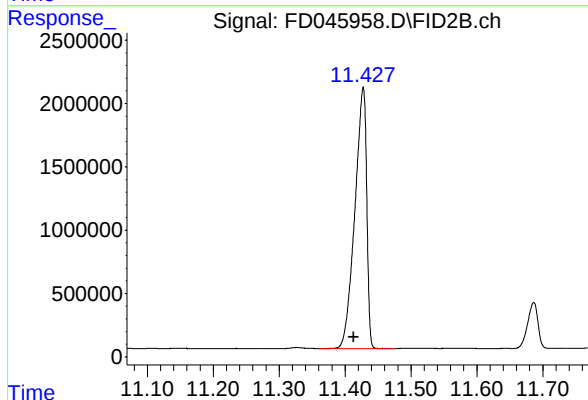
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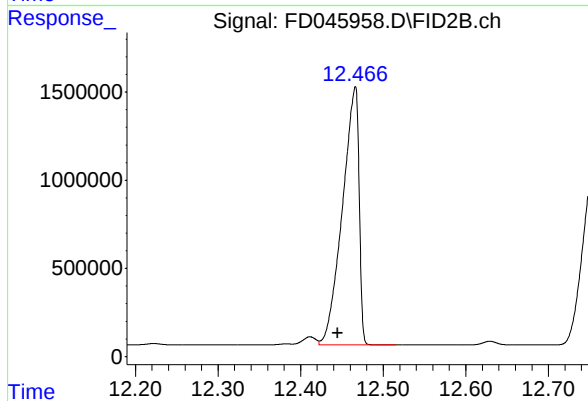
#10 Anthracene (C19.43)

R.T.: 10.728 min
Delta R.T.: 0.013 min
Response: 11352720
Conc: 80.13 ug/ml



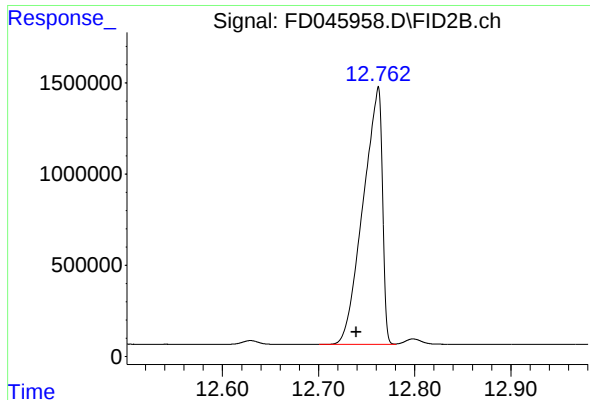
#11 ortho-Terphenyl (SURR)

R.T.: 11.427 min
Delta R.T.: 0.014 min
Response: 25652281
Conc: 100.40 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.465 min
Delta R.T.: 0.020 min
Response: 20466191
Conc: 100.28 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.761 min
Delta R.T.: 0.021 min
Response: 19675663
Conc: 100.24 ug/ml

Instrument :

FID_D

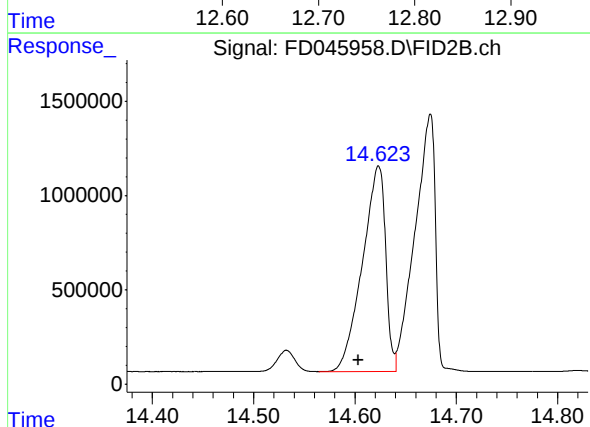
ClientSampleId :

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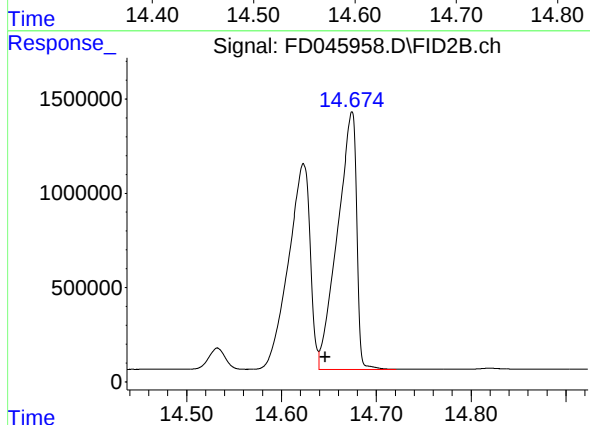
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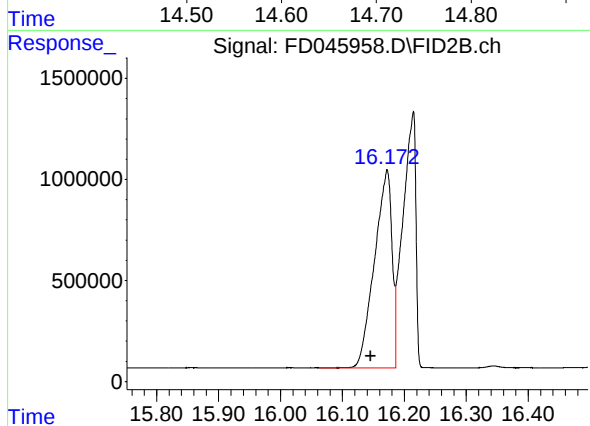
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.623 min
Delta R.T.: 0.019 min
Response: 17363963
Conc: 98.45 ug/ml



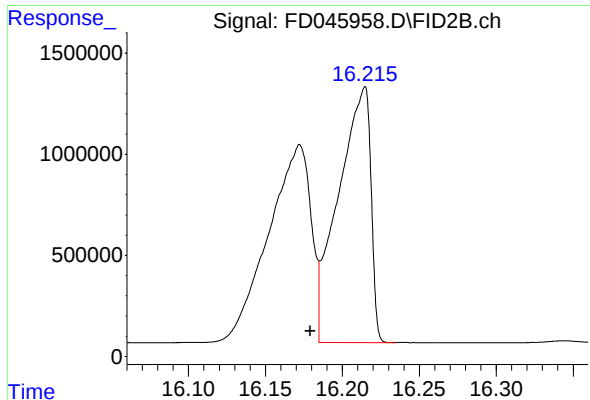
#15 Chrysene (C27.41)

R.T.: 14.674 min
Delta R.T.: 0.028 min
Response: 19058783
Conc: 100.87 ug/ml m



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

R.T.: 16.172 min
Delta R.T.: 0.026 min
Response: 19212755
Conc: 101.03 ug/ml



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

R.T.: 16.215 min
Delta R.T.: 0.035 min
Response: 18440824
Conc: 99.76 ug/ml

Instrument :

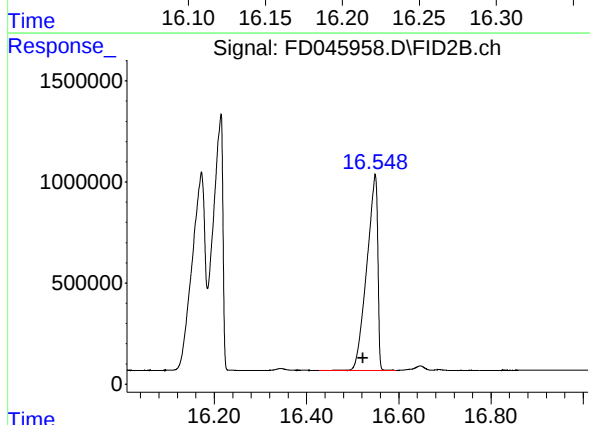
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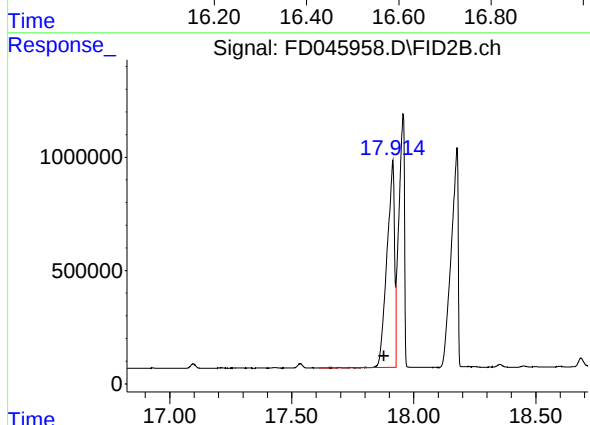
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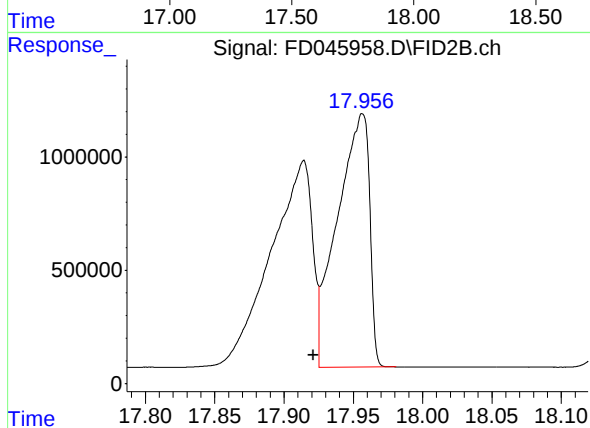
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.548 min
Delta R.T.: 0.026 min
Response: 15868826
Conc: 93.10 ug/ml



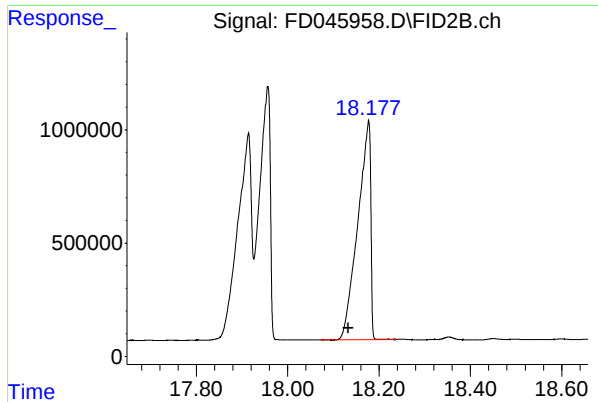
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.913 min
Delta R.T.: 0.035 min
Response: 19483248
Conc: 102.89 ug/ml



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

R.T.: 17.956 min
Delta R.T.: 0.035 min
Response: 18025905
Conc: 98.20 ug/ml m



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

R.T.: 18.176 min
Delta R.T.: 0.043 min
Response: 18880862
Conc: 100.28 ug/ml

Instrument :

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