

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD052223AR\
 Data File : FD045722.D
 Signal(s) : FID2B.ch
 Acq On : 22 May 2023 15:19
 Operator : YP/AJ
 Sample : PB152942BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

PB152942BS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/23/2023

Supervised By :Ankita Jodhani 05/23/2023

Integration File: autoint1.e

Quant Time: May 23 00:26:30 2023

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 050523.M

Quant Title : GC Extractables

QLast Update : Fri May 05 18:09:33 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...	7.542	8292804	48.617 ug/ml
Spiked Amount 50.000		Recovery =	97.23%
6) S 2-Fluorobiphenyl (SURR)	8.399	5563315	48.388 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	96.78%
11) S ortho-Terphenyl (SURR)	11.439	8758998	41.488 ug/ml
Spiked Amount 50.000		Recovery =	82.98%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.350	7583098	40.624 ug/ml
2) T Naphthalene (C11.7)	5.880	8587401	43.657 ug/ml
3) T 2-Methylnaphthalene (...)	6.931	8521523	43.137 ug/ml
5) T Acenaphthylene (C15.06)	8.204	9214973	51.290 ug/ml
7) T Acenaphthene (C15.5)	8.500	9719472	51.075 ug/ml
8) T Flouorene (C16.55)	9.279	9680630	51.331 ug/ml
9) T Phenanthrene (C19.36)	10.671	9963140	53.601 ug/ml
10) T Anthracene (C19.43)	10.747	10014618	56.019 ug/ml
12) T Fluoranthene (C21.85)	12.476	9950859	55.161 ug/ml
13) T Pyrene (C20.8)	12.772	9936790	56.697 ug/ml
14) T Benzo[a]anthracene (C...	14.637	9200034	57.800 ug/ml
15) T Chrysene (C27.41)	14.681	9122457	56.180 ug/ml
16) T benzo[b]fluoranthene ...	16.179	8895236	60.398 ug/ml
17) T Bnezo[k]fluoranthene ...	16.218	8542179	59.078 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.555	7745766	55.554 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.914	7614747	59.934 ug/ml
20) T Dibenz[a,h]anthracene...	17.957	7908572	61.579 ug/ml
21) T Benzo[g,h,i]perylene ...	18.171	7890998	61.349 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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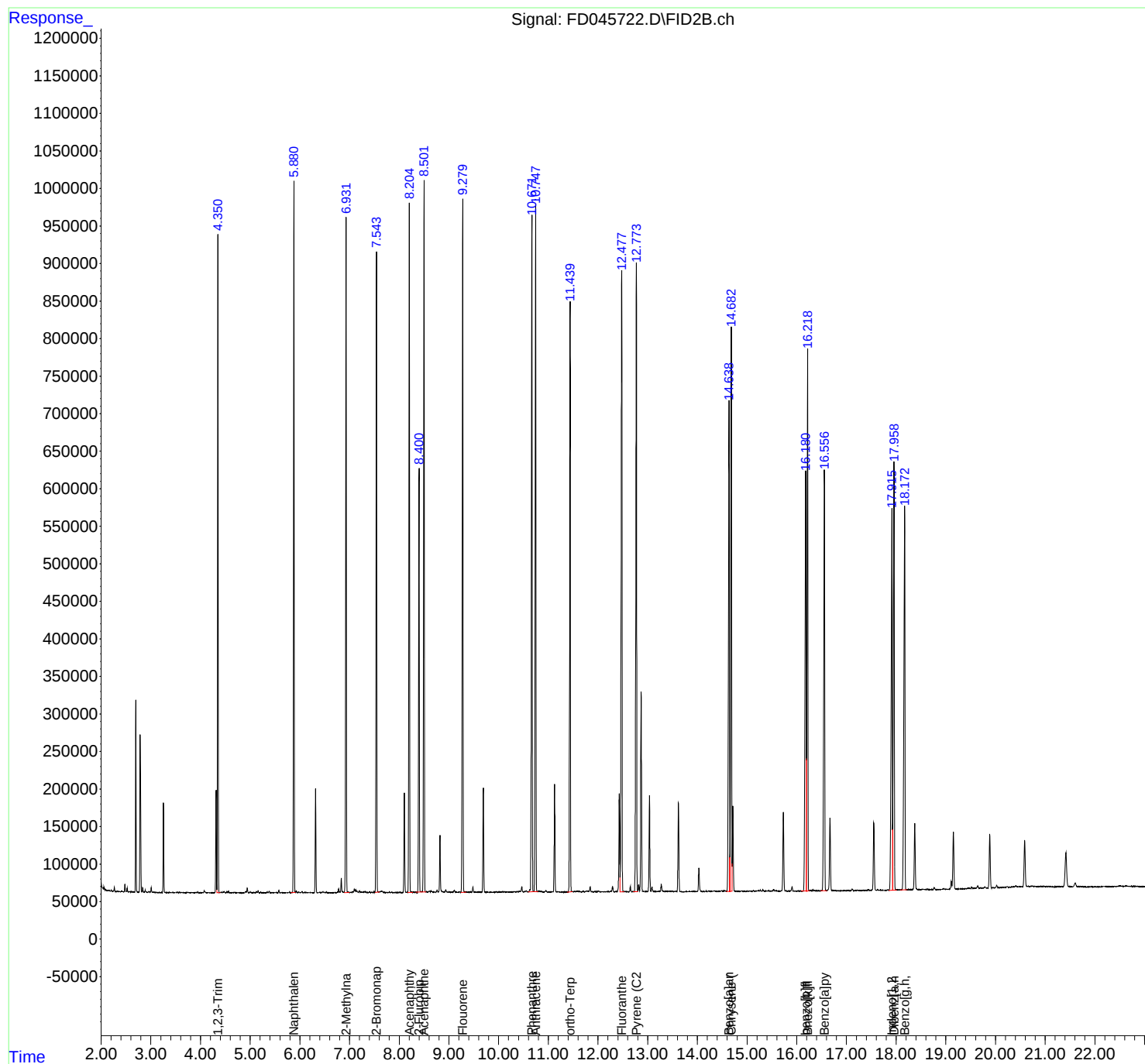
Response via : Initial Calibration

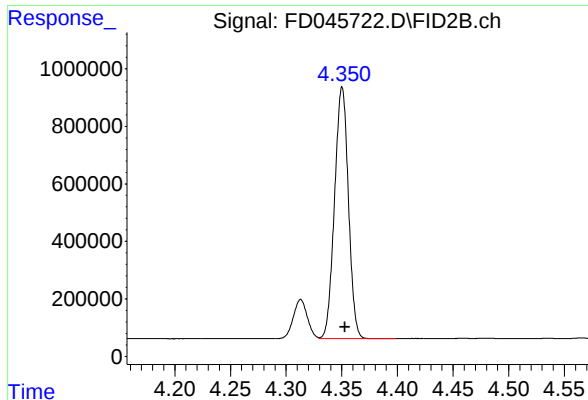
Integrator: ChemStation

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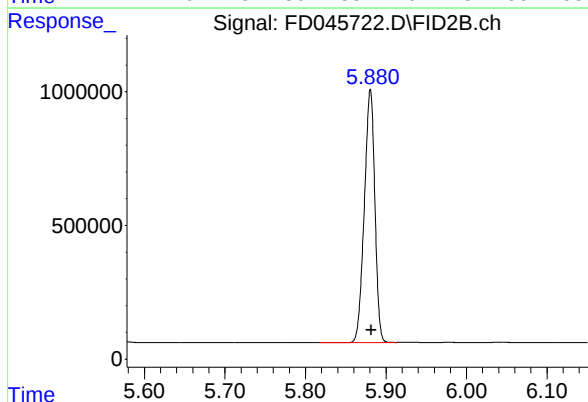
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.350 min
Delta R.T.: -0.003 min
Response: 7583098
Conc: 40.62 ug/ml

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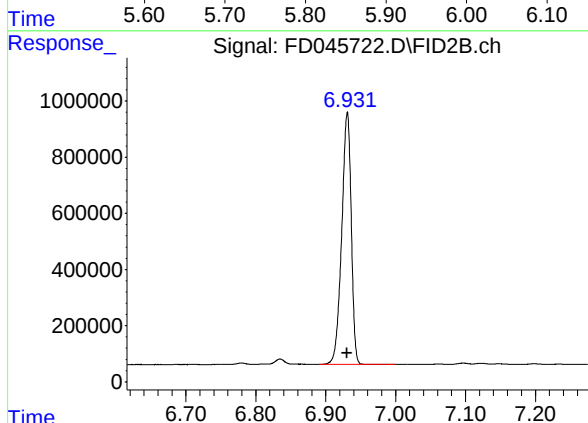
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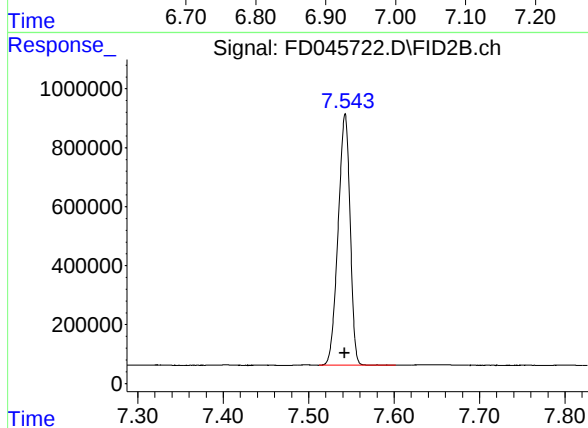
#2 Naphthalene (C11.7)

R.T.: 5.880 min
Delta R.T.: -0.001 min
Response: 8587401
Conc: 43.66 ug/ml



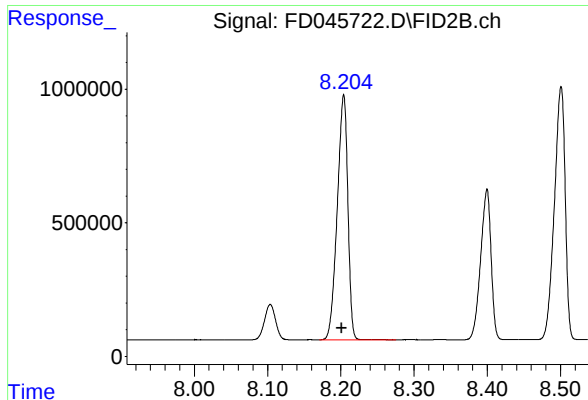
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.931 min
Delta R.T.: 0.000 min
Response: 8521523
Conc: 43.14 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.542 min
Delta R.T.: 0.000 min
Response: 8292804
Conc: 48.62 ug/ml



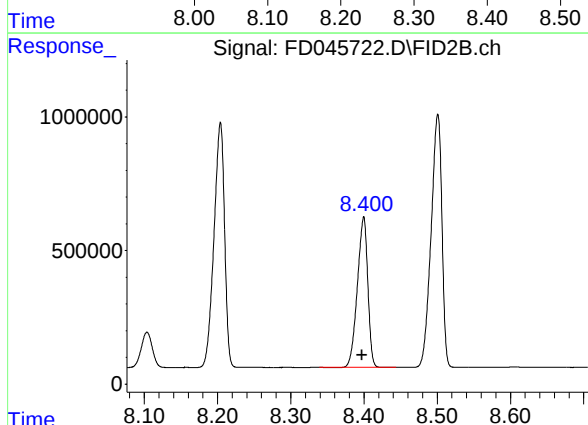
#5 Acenaphthylene (C15.06)

R.T.: 8.204 min
Delta R.T.: 0.002 min
Response: 9214973
Conc: 51.29 ug/ml

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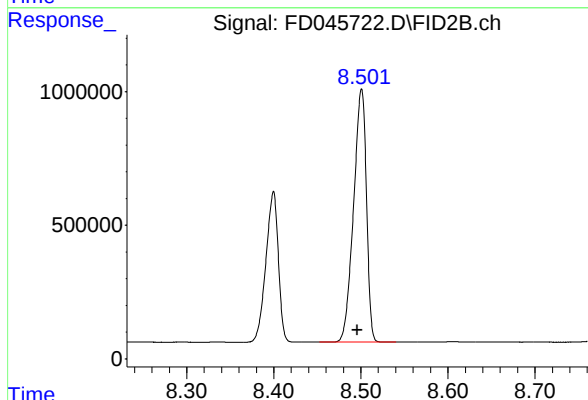
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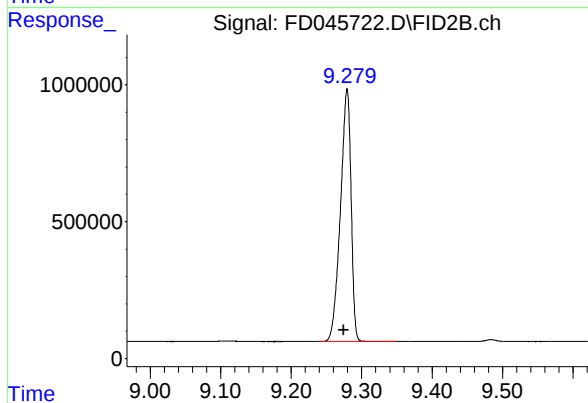
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.399 min
Delta R.T.: 0.002 min
Response: 5563315
Conc: 48.39 ug/ml



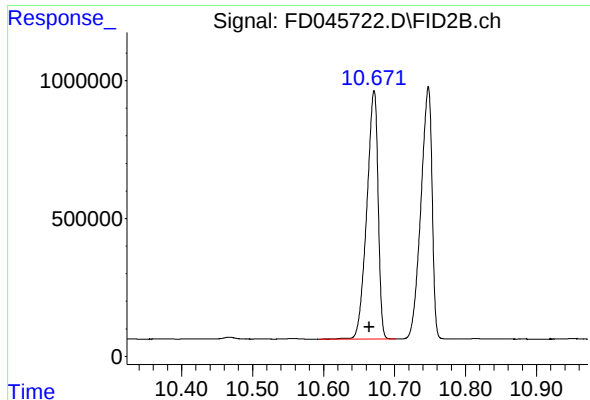
#7 Acenaphthene (C15.5)

R.T.: 8.500 min
Delta R.T.: 0.005 min
Response: 9719472
Conc: 51.07 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.279 min
Delta R.T.: 0.005 min
Response: 9680630
Conc: 51.33 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.671 min
Delta R.T.: 0.006 min
Response: 9963140
Conc: 53.60 ug/ml

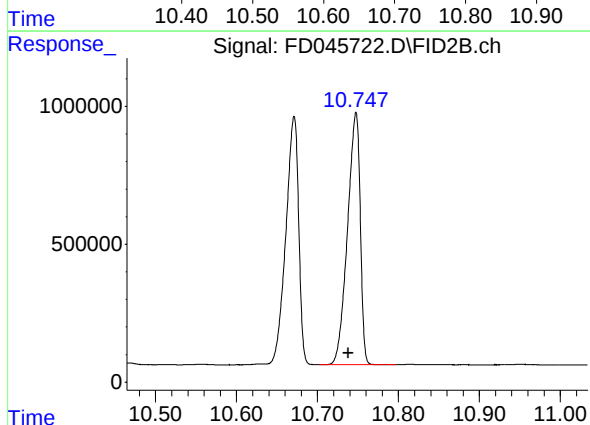
Instrument :

FID_D

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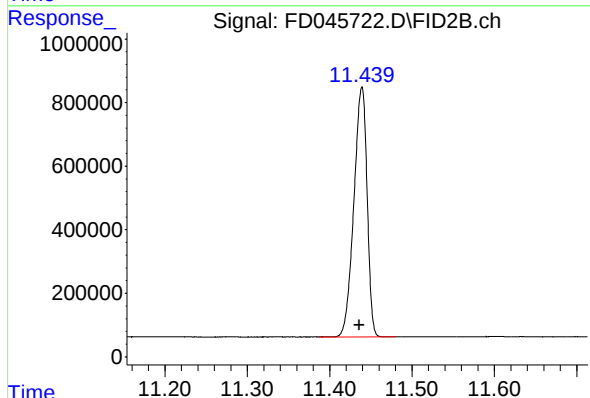
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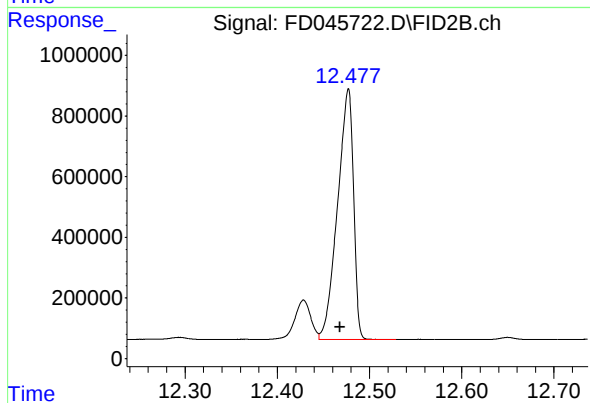
#10 Anthracene (C19.43)

R.T.: 10.747 min
Delta R.T.: 0.009 min
Response: 10014618
Conc: 56.02 ug/ml



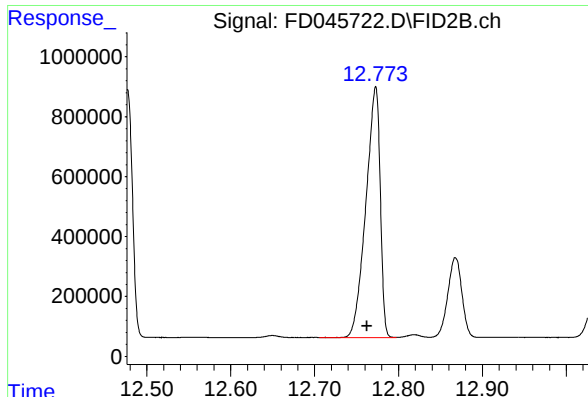
#11 ortho-Terphenyl (SURR)

R.T.: 11.439 min
Delta R.T.: 0.003 min
Response: 8758998
Conc: 41.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.476 min
Delta R.T.: 0.008 min
Response: 9950859
Conc: 55.16 ug/ml



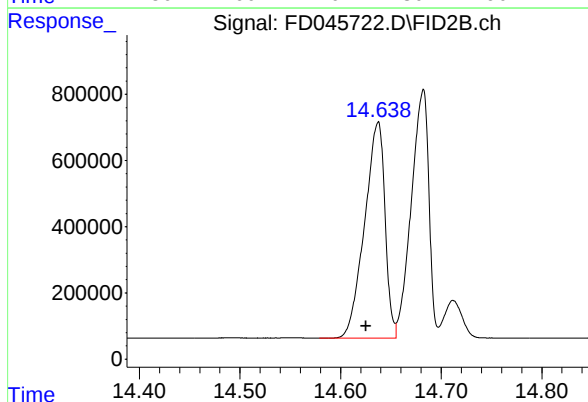
#13 Pyrene (C20.8)

R.T.: 12.772 min
Delta R.T.: 0.010 min
Response: 9936790
Conc: 56.70 ug/ml

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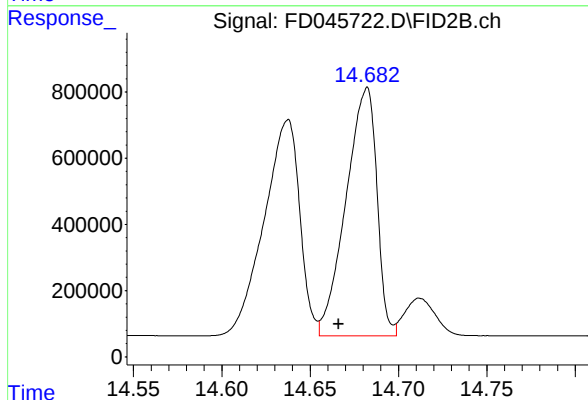
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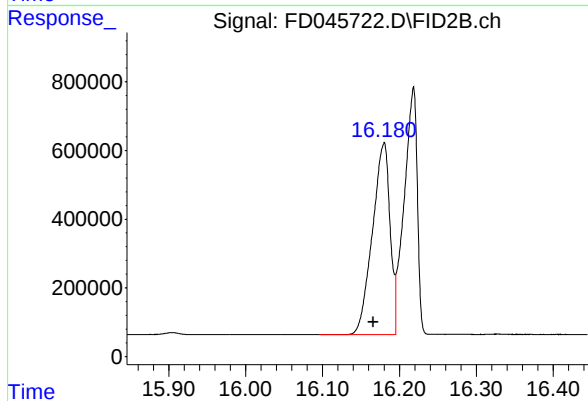
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.637 min
Delta R.T.: 0.011 min
Response: 9200034
Conc: 57.80 ug/ml



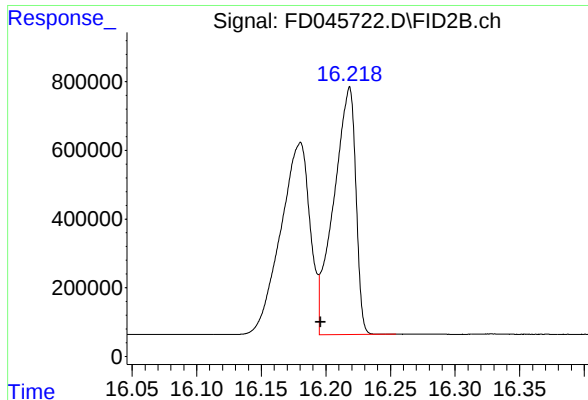
#15 Chrysene (C27.41)

R.T.: 14.681 min
Delta R.T.: 0.015 min
Response: 9122457
Conc: 56.18 ug/ml



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

R.T.: 16.179 min
Delta R.T.: 0.014 min
Response: 8895236
Conc: 60.40 ug/ml



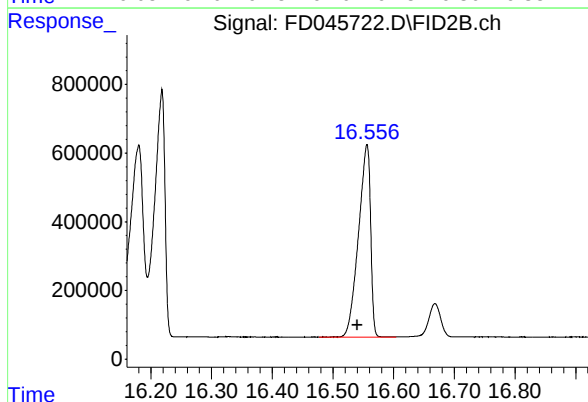
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.218 min
Delta R.T.: 0.022 min
Response: 8542179
Conc: 59.08 ug/ml

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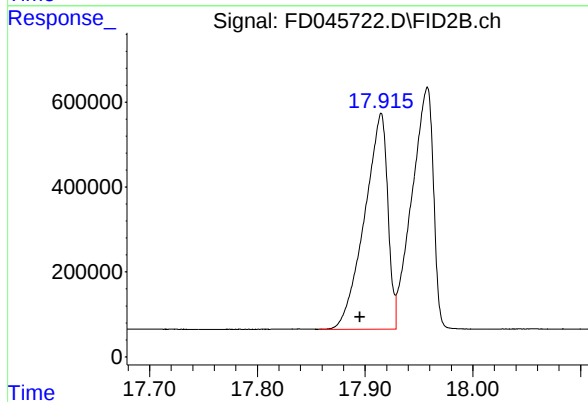
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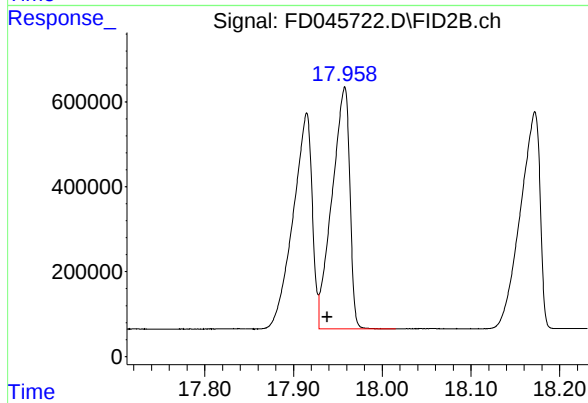
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.555 min
Delta R.T.: 0.015 min
Response: 7745766
Conc: 55.55 ug/ml



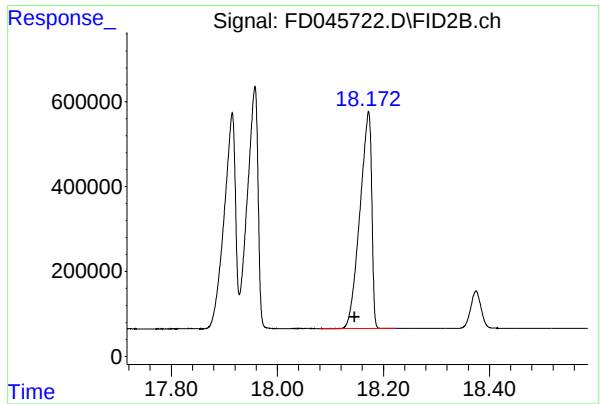
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.914 min
Delta R.T.: 0.019 min
Response: 7614747
Conc: 59.93 ug/ml



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

R.T.: 17.957 min
Delta R.T.: 0.019 min
Response: 7908572
Conc: 61.58 ug/ml



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

R.T.: 18.171 min
Delta R.T.: 0.025 min
Response: 7890998
Conc: 61.35 ug/ml

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