

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD082123AR\
 Data File : FD046365.D
 Signal(s) : FID2B.ch
 Acq On : 21 Aug 2023 20:07
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 08/22/2023
 Supervised By :Ankita
 Jodhani
 08/22/2023

Integration File: autoint1.e
 Quant Time: Aug 22 00:48:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 081823.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 18 14:27:51 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...	7.497	3155607	20.276 ug/ml
Spiked Amount 50.000		Recovery =	40.55%
6) S 2-Fluorobiphenyl (SURR)	8.351	2086467	20.386 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	40.77%
11) S ortho-Terphenyl (SURR)	11.389	3918115	20.424 ug/ml
Spiked Amount 50.000		Recovery =	40.85%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.311	3587771	20.176 ug/ml
2) T Naphthalene (C11.7)	5.837	3729707	20.236 ug/ml
3) T 2-Methylnaphthalene (...)	6.886	3696548	20.316 ug/ml
5) T Acenaphthylene (C15.06)	8.156	3361910	20.280 ug/ml
7) T Acenaphthene (C15.5)	8.451	3610079	20.324 ug/ml
8) T Fluorene (C16.55)	9.229	3484107	20.435 ug/ml
9) T Phenanthrene (C19.36)	10.618	3440991	20.460 ug/ml
10) T Anthracene (C19.43)	10.691	2961278	19.897 ug/ml
12) T Fluoranthene (C21.85)	12.420	3337210	20.420 ug/ml
13) T Pyrene (C20.8)	12.714	3254906	20.374 ug/ml
14) T Benzo[a]anthracene (C...	14.579	2888705	20.399 ug/ml
15) T Chrysene (C27.41)	14.620	2985260	20.356 ug/ml
16) T benzo[b]fluoranthene ...	16.120	2773783	20.440 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.151	2690598	20.351 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.493	2566230	20.231 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.851	2494709	19.940 ug/mlm
20) T Dibenz[a,h]anthracene...	17.893	2554506	20.126 ug/ml
21) T Benzo[g,h,i]perylene ...	18.103	2547759	20.047 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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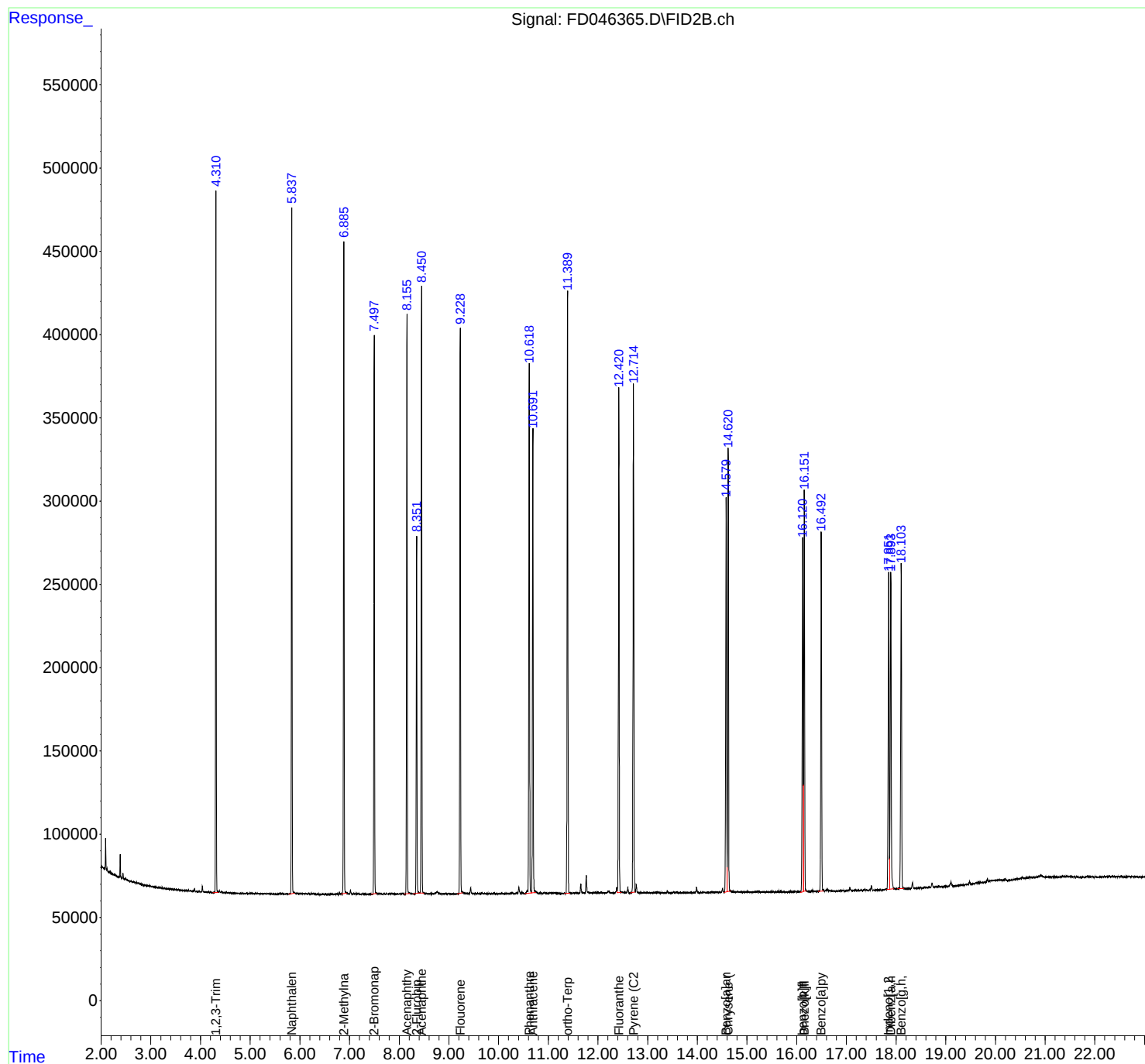
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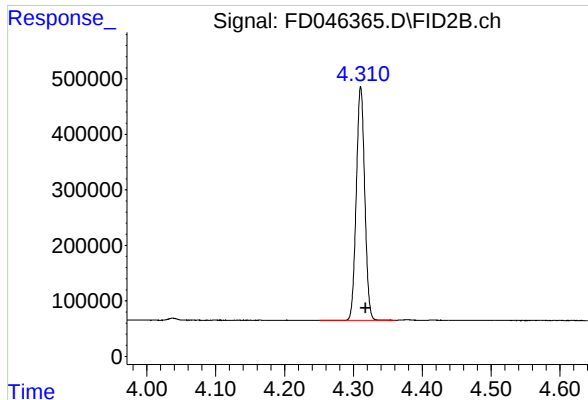
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#1 1,2,3-Trimethylbenzene (C10.1)

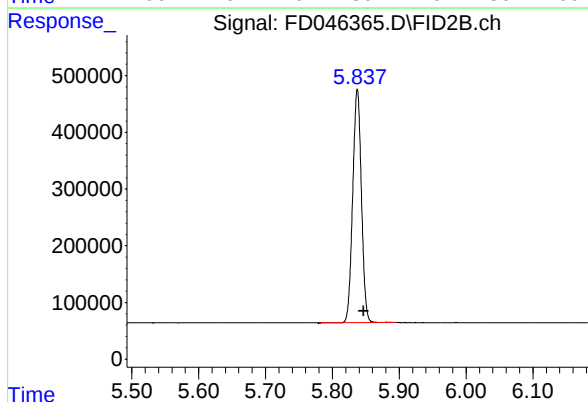
R.T.: 4.311 min
Delta R.T.: -0.007 min
Response: 3587771
Conc: 20.18 ug/ml

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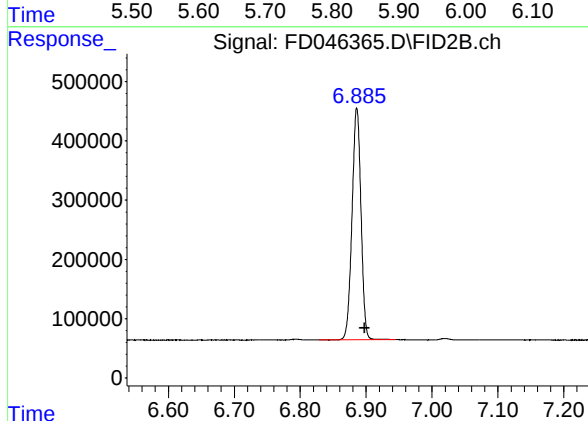
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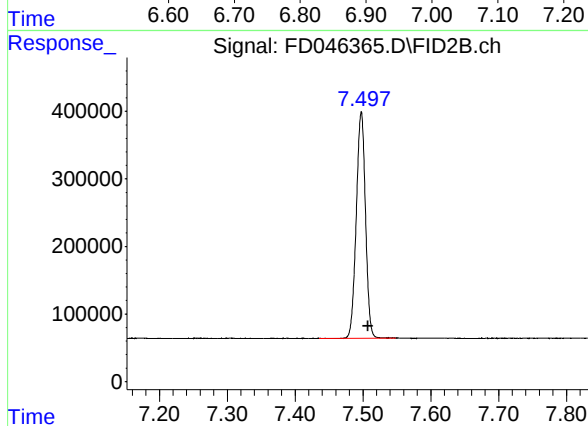
#2 Naphthalene (C11.7)

R.T.: 5.837 min
Delta R.T.: -0.010 min
Response: 3729707
Conc: 20.24 ug/ml



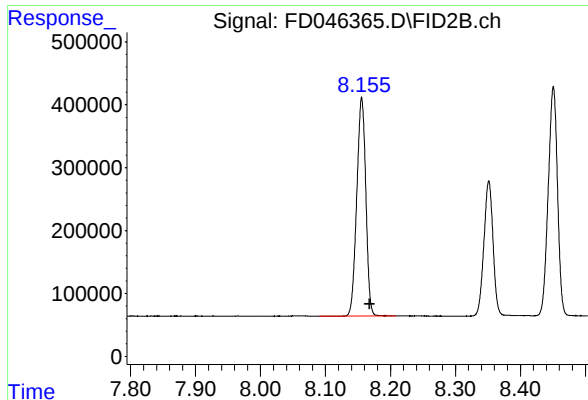
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.886 min
Delta R.T.: -0.012 min
Response: 3696548
Conc: 20.32 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.497 min
Delta R.T.: -0.010 min
Response: 3155607
Conc: 20.28 ug/ml



#5 Acenaphthylene (C15.06)

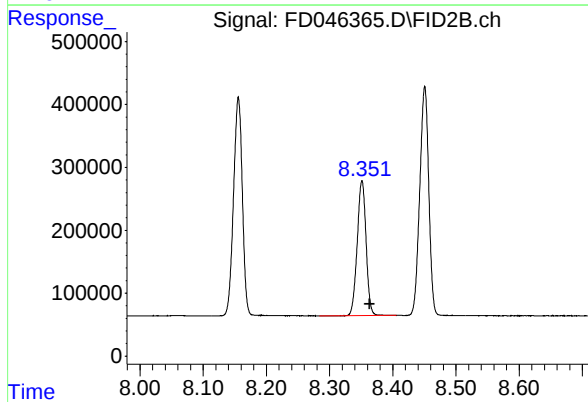
R.T.: 8.156 min
Delta R.T.: -0.012 min
Response: 3361910
Conc: 20.28 ug/ml

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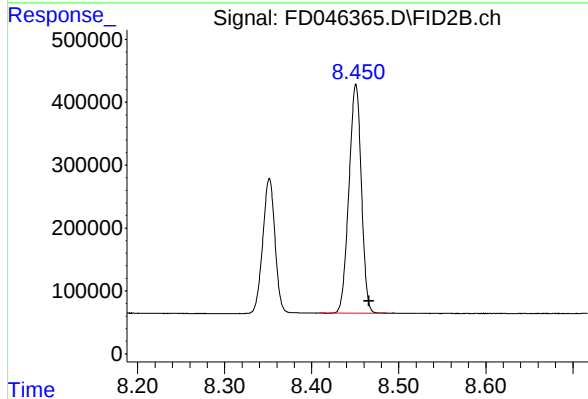
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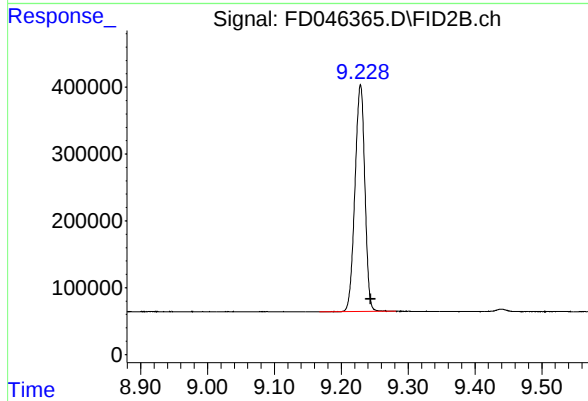
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.351 min
Delta R.T.: -0.012 min
Response: 2086467
Conc: 20.39 ug/ml



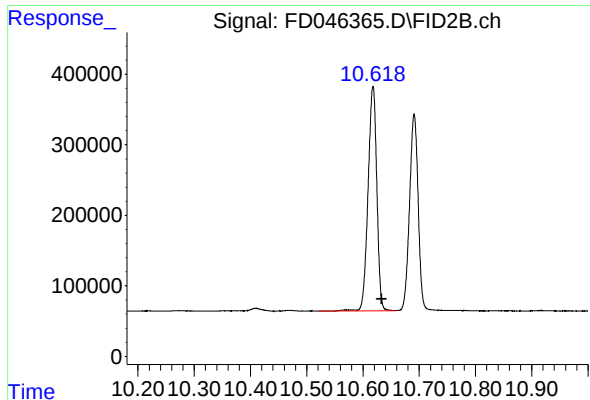
#7 Acenaphthene (C15.5)

R.T.: 8.451 min
Delta R.T.: -0.015 min
Response: 3610079
Conc: 20.32 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.229 min
Delta R.T.: -0.015 min
Response: 3484107
Conc: 20.43 ug/ml



#9 Phenanthrene (C19.36)

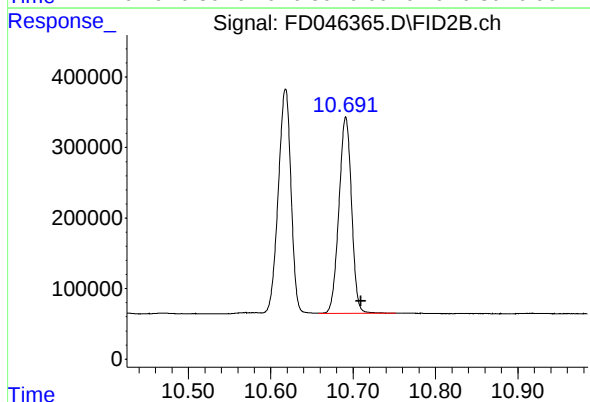
R.T.: 10.618 min
Delta R.T.: -0.016 min
Response: 3440991
Conc: 20.46 ug/ml

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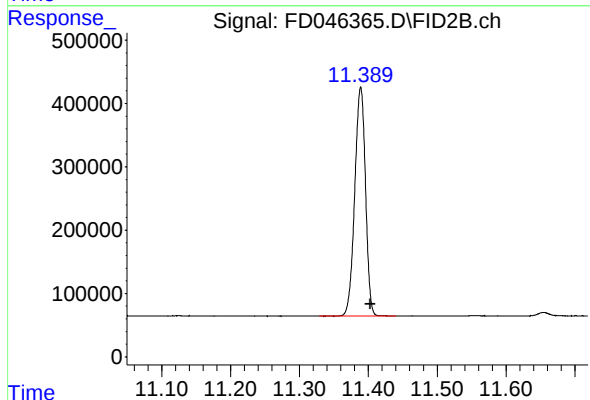
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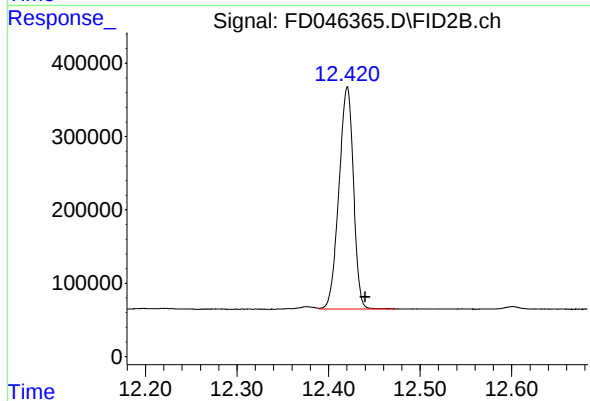
#10 Anthracene (C19.43)

R.T.: 10.691 min
Delta R.T.: -0.018 min
Response: 2961278
Conc: 19.90 ug/ml



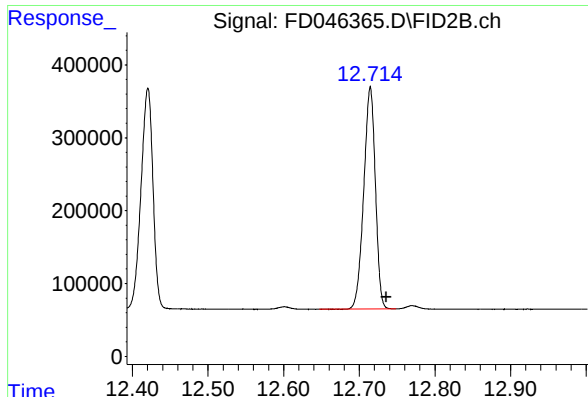
#11 ortho-Terphenyl (SURR)

R.T.: 11.389 min
Delta R.T.: -0.014 min
Response: 3918115
Conc: 20.42 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.420 min
Delta R.T.: -0.020 min
Response: 3337210
Conc: 20.42 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.714 min
Delta R.T.: -0.021 min
Response: 3254906
Conc: 20.37 ug/ml

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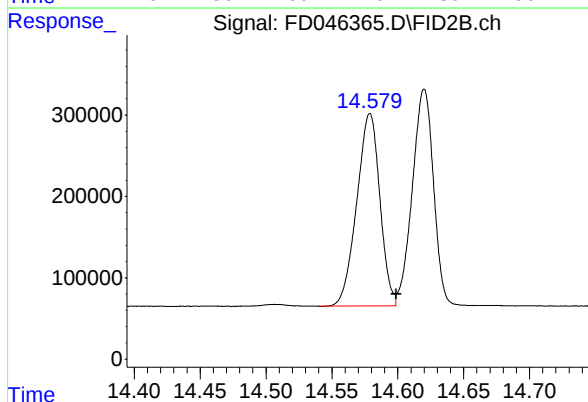
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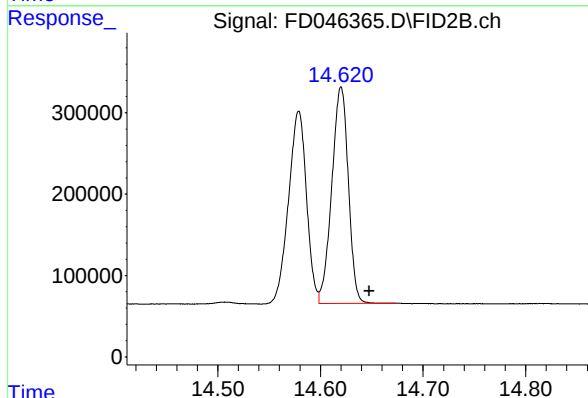
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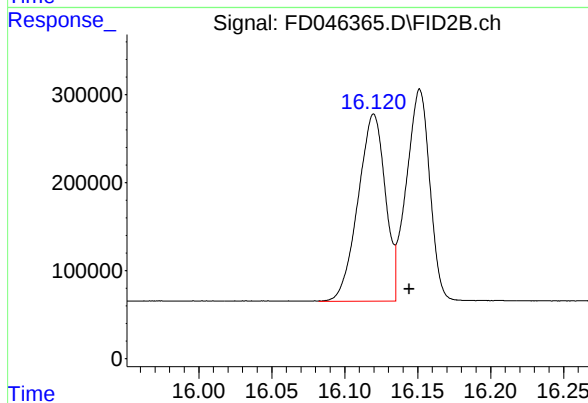
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.579 min
Delta R.T.: -0.020 min
Response: 2888705
Conc: 20.40 ug/ml



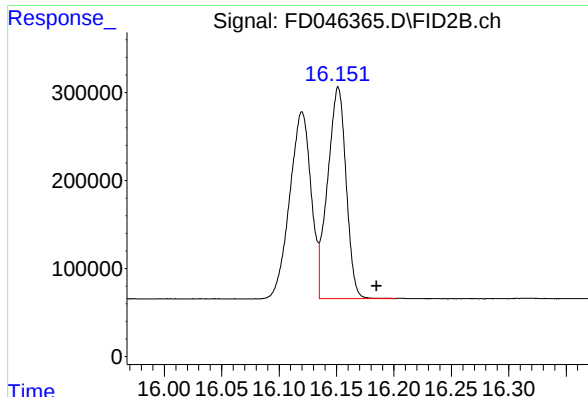
#15 Chrysene (C27.41)

R.T.: 14.620 min
Delta R.T.: -0.028 min
Response: 2985260
Conc: 20.36 ug/ml



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

R.T.: 16.120 min
Delta R.T.: -0.025 min
Response: 2773783
Conc: 20.44 ug/ml m



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

R.T.: 16.151 min
Delta R.T.: -0.034 min
Response: 2690598
Conc: 20.35 ug/ml

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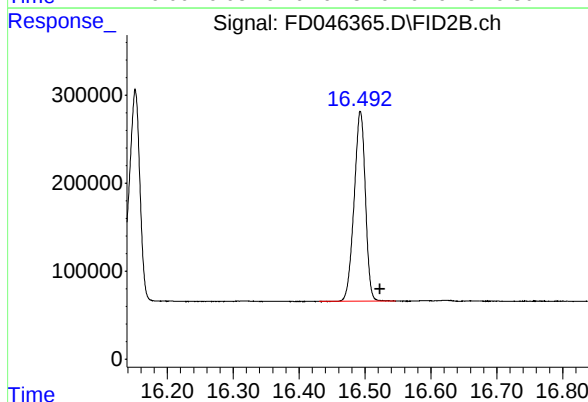
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Supervised By :Ankita

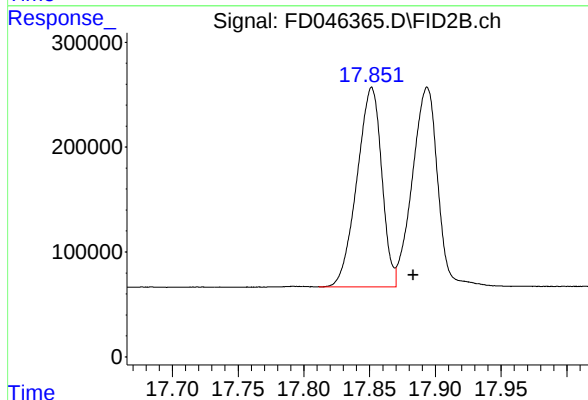
Jadhani

08/22/2023



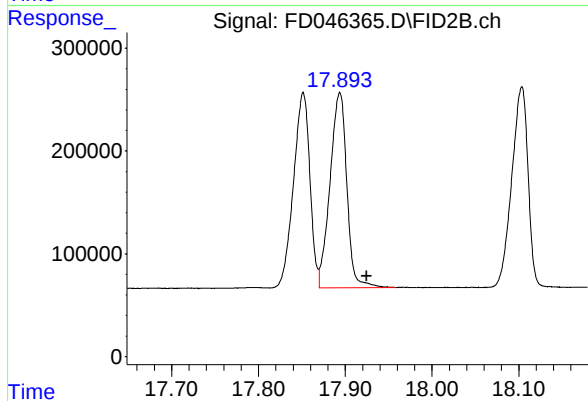
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.493 min
Delta R.T.: -0.030 min
Response: 2566230
Conc: 20.23 ug/ml



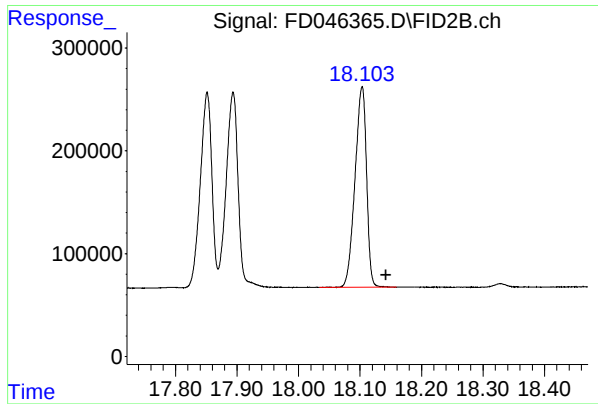
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.851 min
Delta R.T.: -0.032 min
Response: 2494709
Conc: 19.94 ug/ml m



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

R.T.: 17.893 min
Delta R.T.: -0.031 min
Response: 2554506
Conc: 20.13 ug/ml



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

R.T.: 18.103 min
Delta R.T.: -0.039 min
Response: 2547759
Conc: 20.05 ug/ml

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