

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD081623AR\
 Data File : FD046339.D
 Signal(s) : FID2B.ch
 Acq On : 16 Aug 2023 20:33
 Operator : YP/AJ
 Sample : 03981-01MSD
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 WC081023MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :Ankita Jodhani 08/18/2023

Integration File: autoint1.e
 Quant Time: Aug 16 23:47:49 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 071923.M
 Quant Title : GC Extractables
 QLast Update : Thu Jul 20 03:07:14 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...	7.503	9550382	63.891 ug/ml
Spiked Amount 50.000		Recovery =	127.78%
6) S 2-Fluorobiphenyl (SURR)	8.358	6062857	64.765 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	129.53%
11) S ortho-Terphenyl (SURR)	11.397	7449962	42.659 ug/mlm
Spiked Amount 50.000		Recovery =	85.32%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.314	6395371	35.102 ug/ml
2) T Naphthalene (C11.7)	5.841	7657441	42.397 ug/ml
3) T 2-Methylnaphthalene (...)	6.890	7867423	44.701 ug/ml
5) T Acenaphthylene (C15.06)	8.161	8223494	53.897 ug/ml
7) T Acenaphthene (C15.5)	8.459	9425157	57.801 ug/ml
8) T Fluorene (C16.55)	9.237	10205089	67.068 ug/ml
9) T Phenanthrene (C19.36)	10.640	25217868	175.128 ug/ml
10) T Anthracene (C19.43)	10.709	12799661	97.804 ug/ml
12) T Fluoranthene (C21.85)	12.451	29666997	212.313 ug/ml
13) T Pyrene (C20.8)	12.745	25436869	183.534 ug/ml
14) T Benzo[a]anthracene (C...	14.603	16387338	124.846 ug/ml
15) T Chrysene (C27.41)	14.651	15724884	111.522 ug/mlm
16) T benzo[b]fluoranthene ...	16.155	16711690	122.194 ug/ml
17) T Bnezo[k]fluoranthene ...	16.183	8931658	65.161 ug/mlm
18) T Benzo[a]pyrene (C31.34)	16.530	13500215	103.698 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.885	10558585	87.788 ug/ml
20) T Dibenz[a,h]anthracene...	17.919	6812842	53.269 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.139	9029748	71.174 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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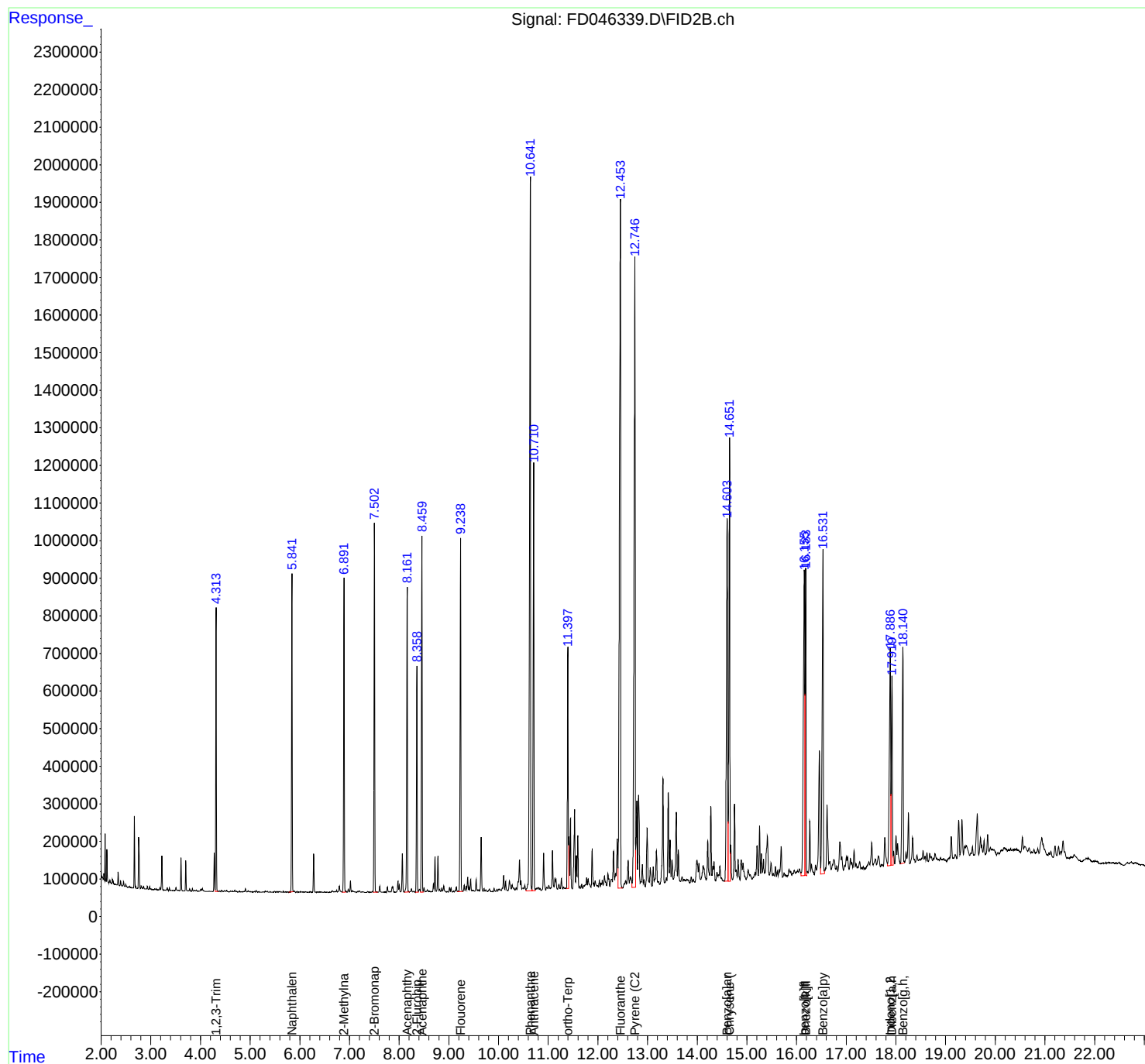
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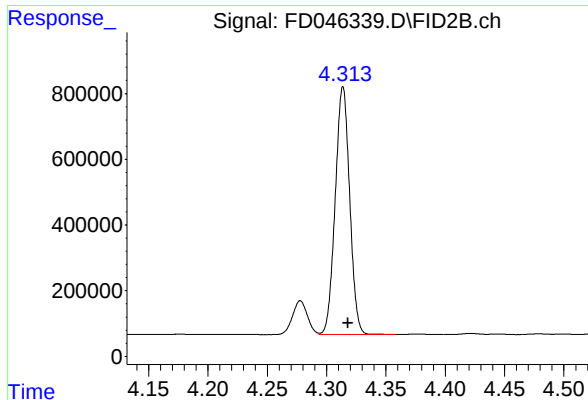
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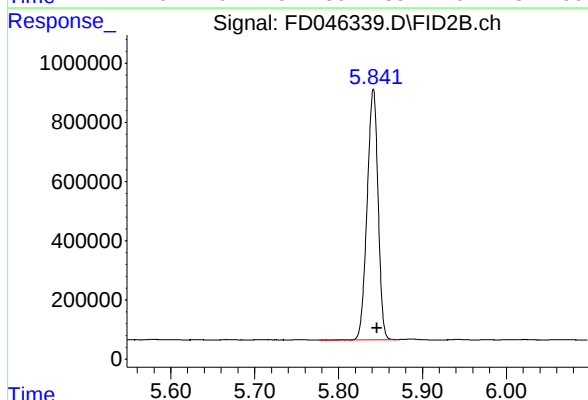
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.314 min
Delta R.T.: -0.004 min
Response: 6395371
Conc: 35.10 ug/ml

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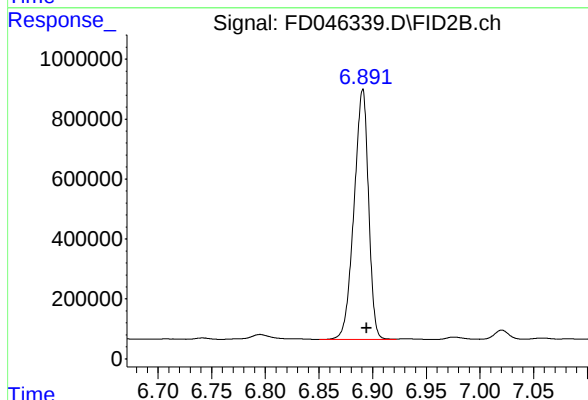
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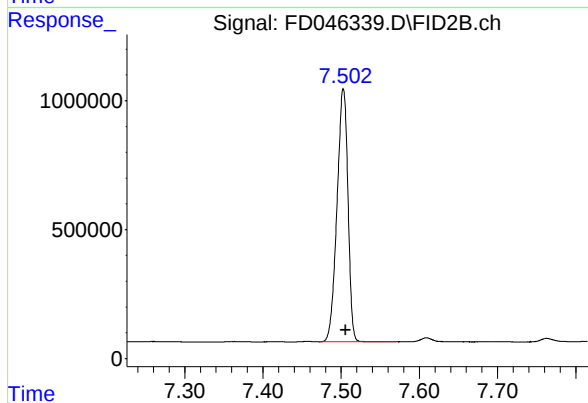
#2 Naphthalene (C11.7)

R.T.: 5.841 min
Delta R.T.: -0.005 min
Response: 7657441
Conc: 42.40 ug/ml



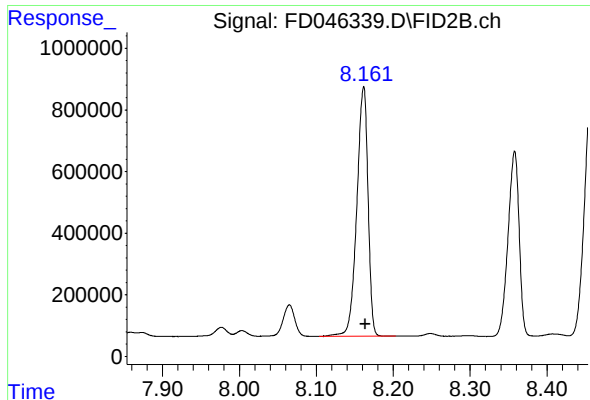
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.890 min
Delta R.T.: -0.004 min
Response: 7867423
Conc: 44.70 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.503 min
Delta R.T.: -0.003 min
Response: 9550382
Conc: 63.89 ug/ml



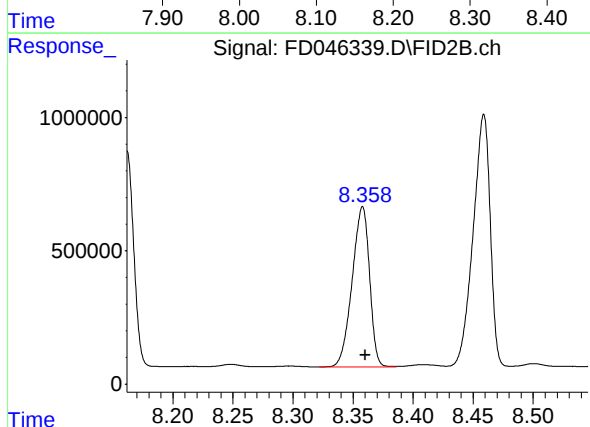
#5 Acenaphthylene (C15.06)

R.T.: 8.161 min
Delta R.T.: -0.003 min
Response: 8223494
Conc: 53.90 ug/ml

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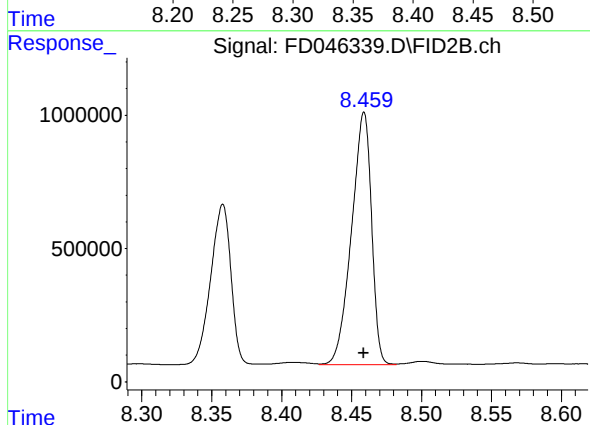
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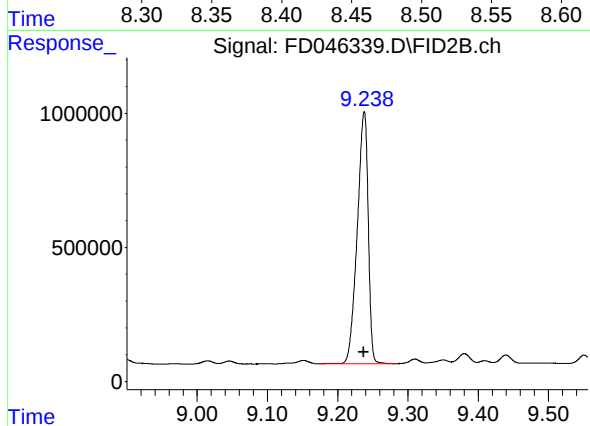
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.358 min
Delta R.T.: -0.002 min
Response: 6062857
Conc: 64.77 ug/ml



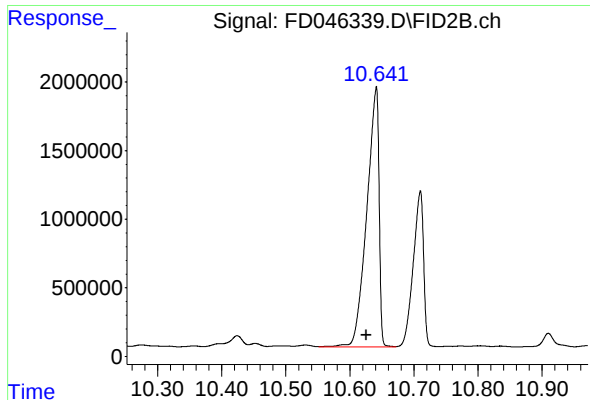
#7 Acenaphthene (C15.5)

R.T.: 8.459 min
Delta R.T.: 0.000 min
Response: 9425157
Conc: 57.80 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.237 min
Delta R.T.: 0.000 min
Response: 10205089
Conc: 67.07 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 10.640 min
Delta R.T.: 0.014 min
Response: 25217868
Conc: 175.13 ug/ml

Instrument :

FID_D

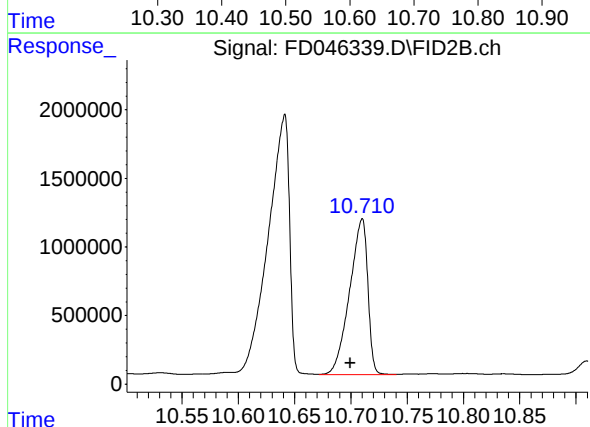
ClientSampleId :

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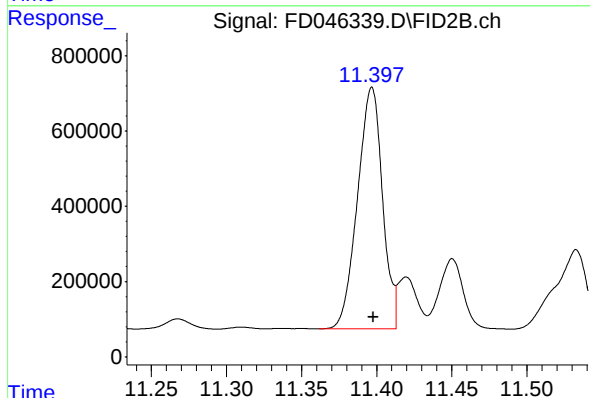
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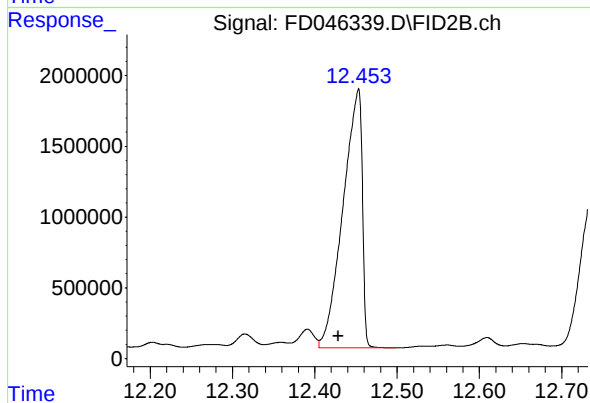
#10 Anthracene (C19.43)

R.T.: 10.709 min
Delta R.T.: 0.010 min
Response: 12799661
Conc: 97.80 ug/ml



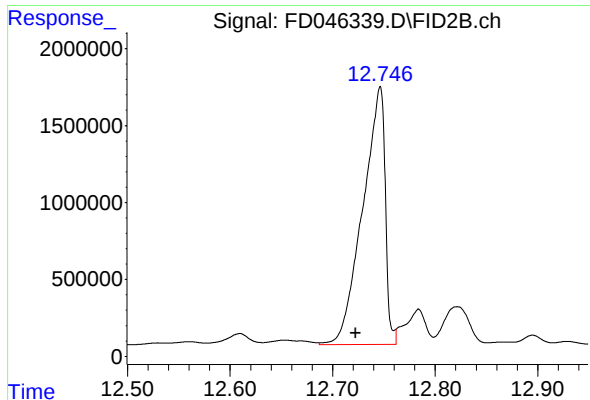
#11 ortho-Terphenyl (SURR)

R.T.: 11.397 min
Delta R.T.: 0.000 min
Response: 7449962
Conc: 42.66 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.451 min
Delta R.T.: 0.023 min
Response: 29666997
Conc: 212.31 ug/ml



#13 Pyrene (C20.8)

R.T.: 12.745 min
Delta R.T.: 0.023 min
Response: 25436869
Conc: 183.53 ug/ml

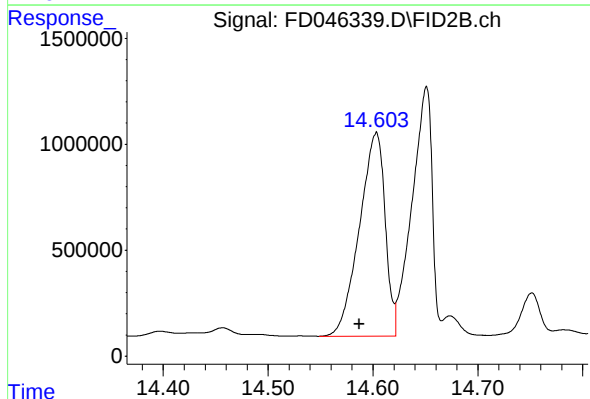
Instrument :

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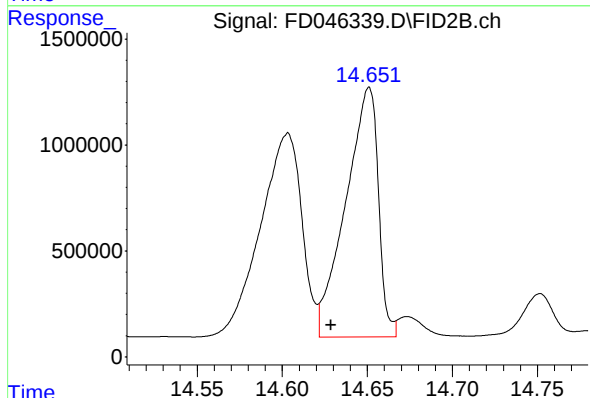
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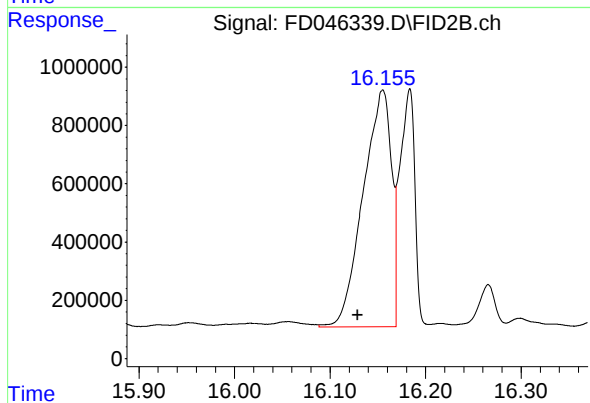
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.603 min
Delta R.T.: 0.016 min
Response: 16387338
Conc: 124.85 ug/ml



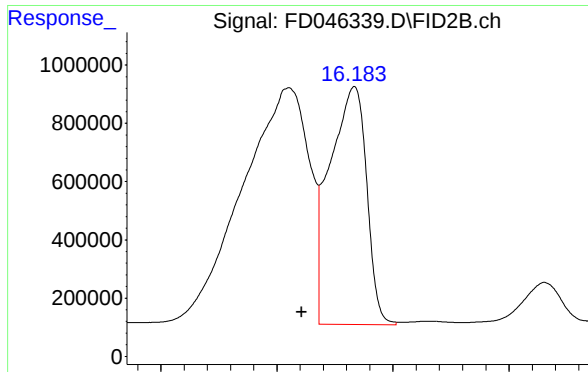
#15 Chrysene (C27.41)

R.T.: 14.651 min
Delta R.T.: 0.022 min
Response: 15724884
Conc: 111.52 ug/ml m



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

R.T.: 16.155 min
Delta R.T.: 0.026 min
Response: 16711690
Conc: 122.19 ug/ml



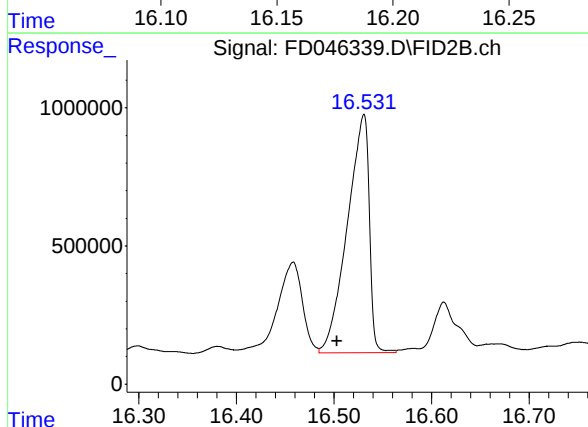
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.183 min
Delta R.T.: 0.023 min
Response: 8931658
Conc: 65.16 ug/ml

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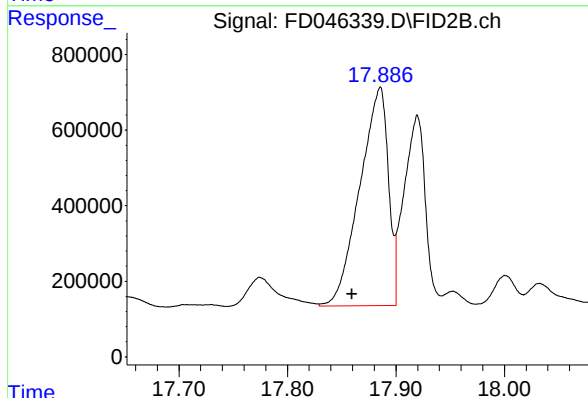
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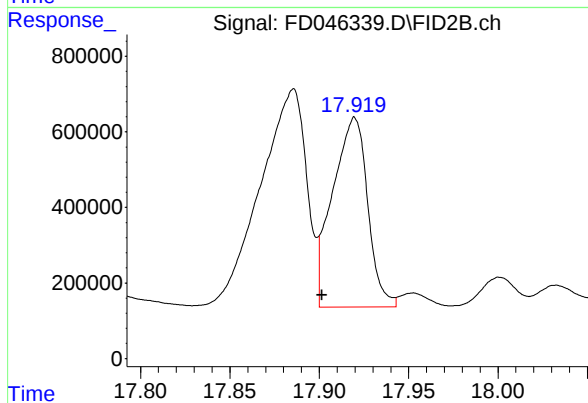
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.530 min
Delta R.T.: 0.026 min
Response: 13500215
Conc: 103.70 ug/ml



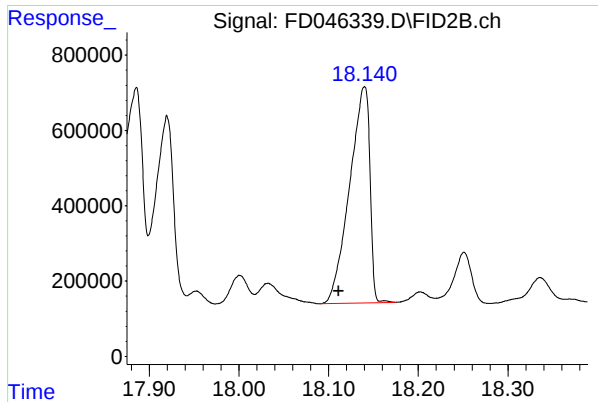
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.885 min
Delta R.T.: 0.025 min
Response: 10558585
Conc: 87.79 ug/ml



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

R.T.: 17.919 min
Delta R.T.: 0.018 min
Response: 6812842
Conc: 53.27 ug/ml m



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

R.T.: 18.139 min
Delta R.T.: 0.028 min
Response: 9029748
Conc: 71.17 ug/ml

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