

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091923AR\
 Data File : FD046545.D
 Signal(s) : FID2B.ch
 Acq On : 19 Sep 2023 18:56
 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 09/20/2023
 Supervised By :Ankita Jodhani 09/20/2023

Integration File: autoint1.e
 Quant Time: Sep 20 01:13:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 091523.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 15 01:47:22 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...	7.490	3647191	20.696 ug/ml
Spiked Amount 50.000		Recovery =	41.39%
6) S 2-Fluorobiphenyl (SURR)	8.344	2400102	20.716 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.43%
11) S ortho-Terphenyl (SURR)	11.381	4254907	20.885 ug/ml
Spiked Amount 50.000		Recovery =	41.77%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.304	3797629	20.561 ug/ml
2) T Naphthalene (C11.7)	5.830	3979089	20.592 ug/ml
3) T 2-Methylnaphthalene (...)	6.879	4029265	20.792 ug/ml
5) T Acenaphthylene (C15.06)	8.148	3656523	20.737 ug/ml
7) T Acenaphthene (C15.5)	8.443	3904976	20.783 ug/ml
8) T Fluorene (C16.55)	9.221	3779150	20.950 ug/ml
9) T Phenanthrene (C19.36)	10.610	3664879	20.844 ug/ml
10) T Anthracene (C19.43)	10.684	3415354	22.236 ug/ml
12) T Fluoranthene (C21.85)	12.413	3570013	20.946 ug/ml
13) T Pyrene (C20.8)	12.706	3462417	21.106 ug/ml
14) T Benzo[a]anthracene (C...	14.570	2932561	21.002 ug/ml
15) T Chrysene (C27.41)	14.611	3099800	20.420 ug/ml
16) T benzo[b]fluoranthene ...	16.110	2884200	21.027 ug/ml
17) T Bnezo[k]fluoranthene ...	16.143	2935116	21.188 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.485	2801151	20.939 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.842	2632547	21.002 ug/ml
20) T Dibenz[a,h]anthracene...	17.884	2841856	21.356 ug/ml
21) T Benzo[g,h,i]perylene ...	18.094	2739054	20.770 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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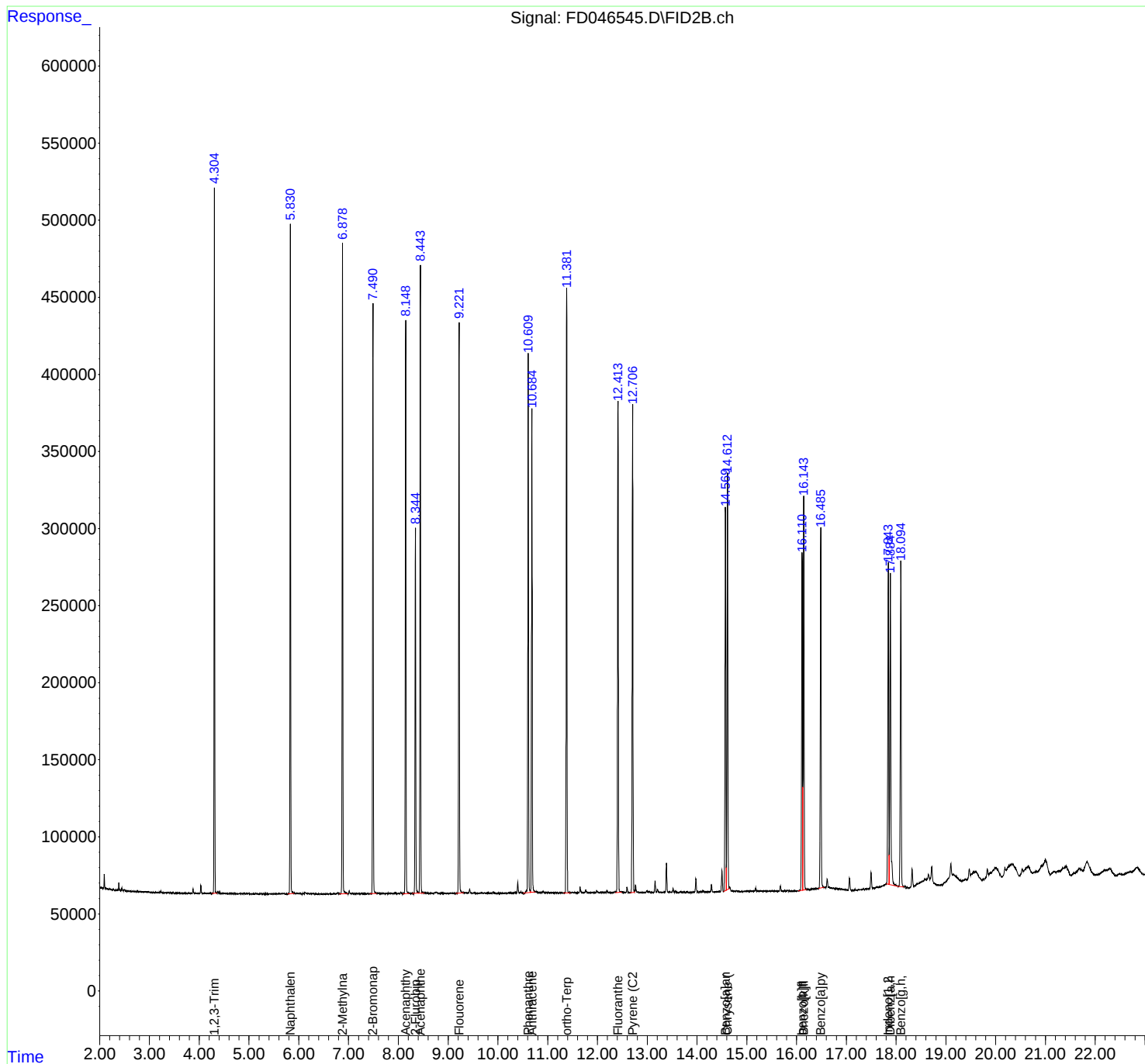
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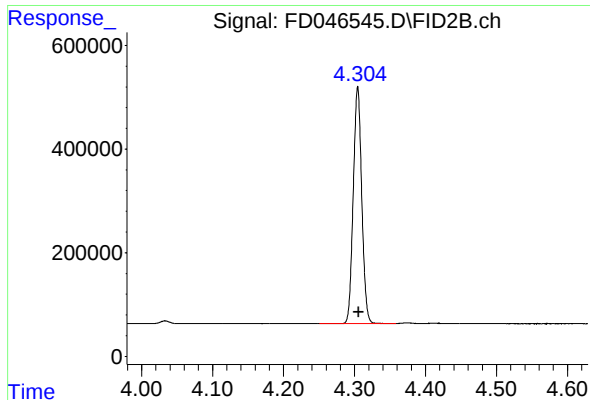
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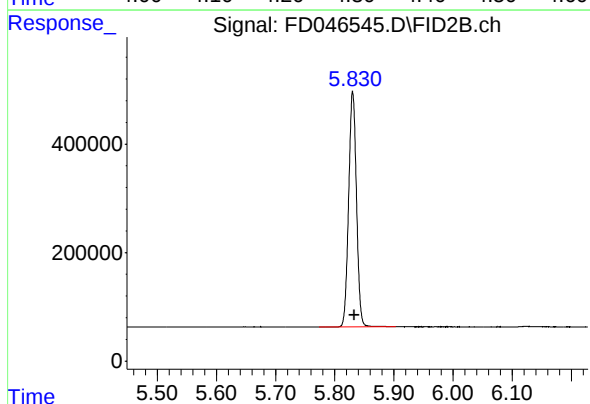
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.304 min
Delta R.T.: -0.002 min
Response: 3797629
Conc: 20.56 ug/ml

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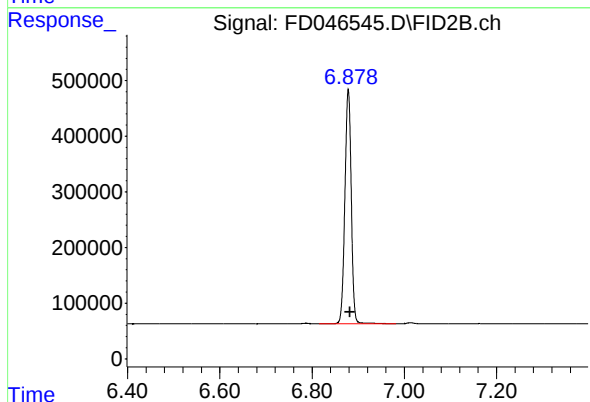
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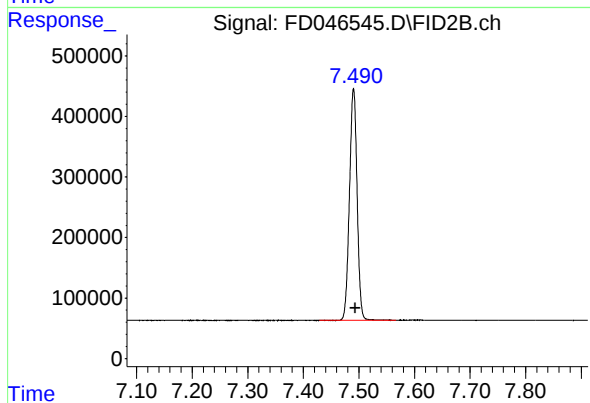
#2 Naphthalene (C11.7)

R.T.: 5.830 min
Delta R.T.: -0.003 min
Response: 3979089
Conc: 20.59 ug/ml



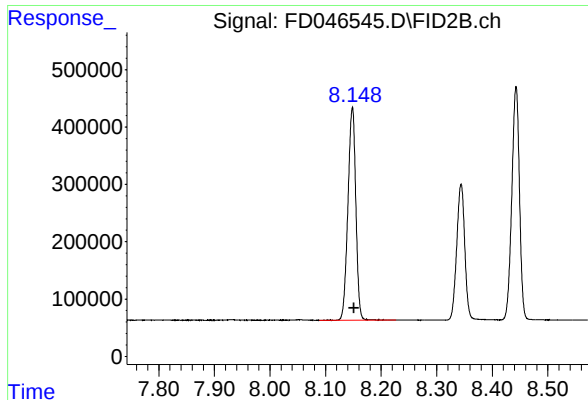
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.879 min
Delta R.T.: -0.004 min
Response: 4029265
Conc: 20.79 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.490 min
Delta R.T.: -0.003 min
Response: 3647191
Conc: 20.70 ug/ml



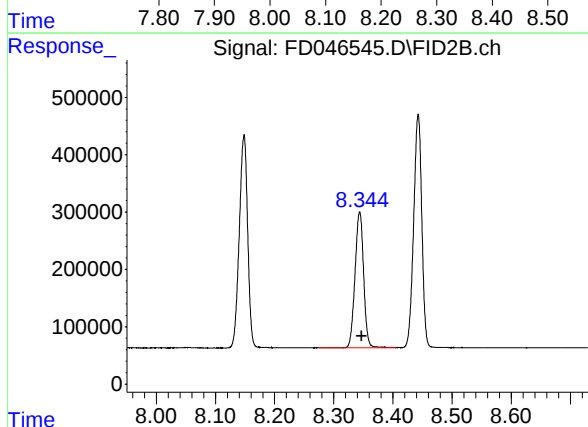
#5 Acenaphthylene (C15.06)

R.T.: 8.148 min
Delta R.T.: -0.003 min
Response: 3656523
Conc: 20.74 ug/ml

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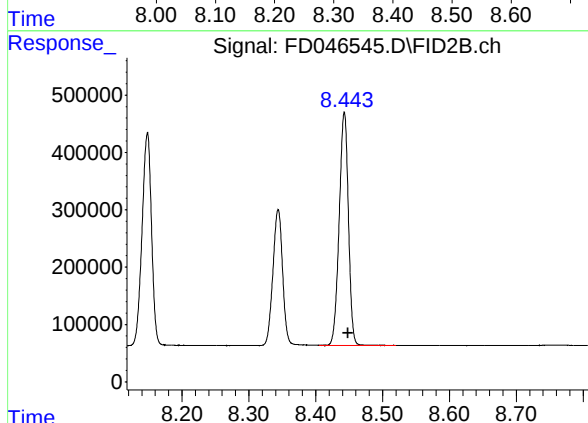
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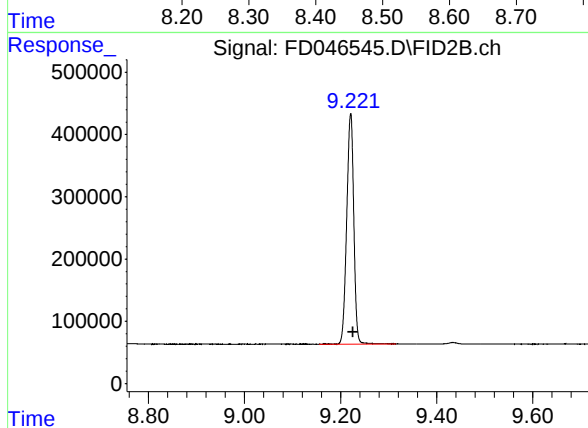
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.344 min
Delta R.T.: -0.003 min
Response: 2400102
Conc: 20.72 ug/ml



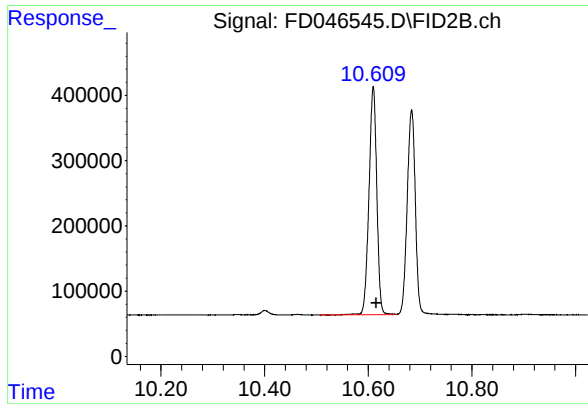
#7 Acenaphthene (C15.5)

R.T.: 8.443 min
Delta R.T.: -0.005 min
Response: 3904976
Conc: 20.78 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.221 min
Delta R.T.: -0.005 min
Response: 3779150
Conc: 20.95 ug/ml



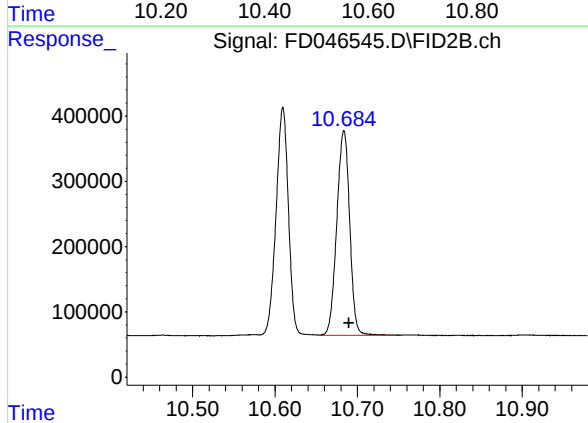
#9 Phenanthrene (C19.36)

R.T.: 10.610 min
Delta R.T.: -0.006 min
Response: 3664879
Conc: 20.84 ug/ml

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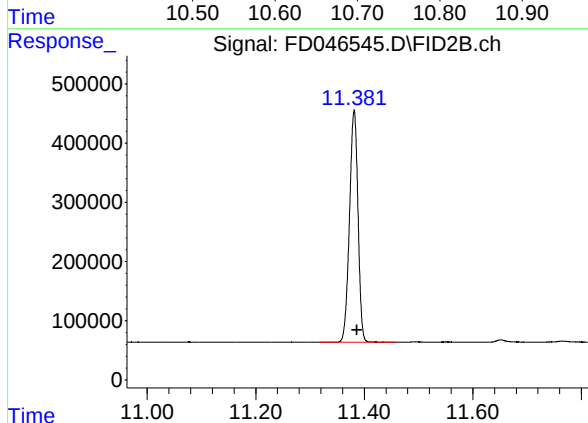
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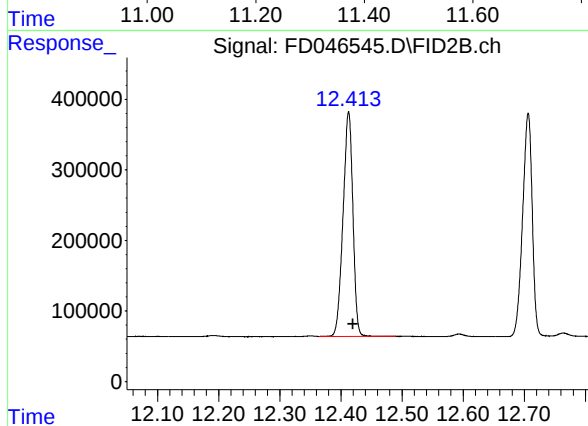
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.006 min
Response: 3415354
Conc: 22.24 ug/ml



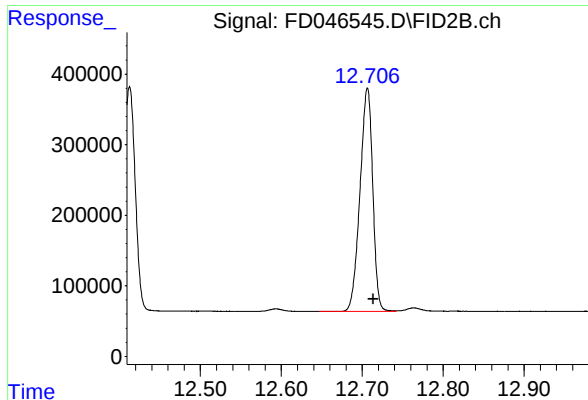
#11 ortho-Terphenyl (SURR)

R.T.: 11.381 min
Delta R.T.: -0.005 min
Response: 4254907
Conc: 20.89 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.413 min
Delta R.T.: -0.007 min
Response: 3570013
Conc: 20.95 ug/ml



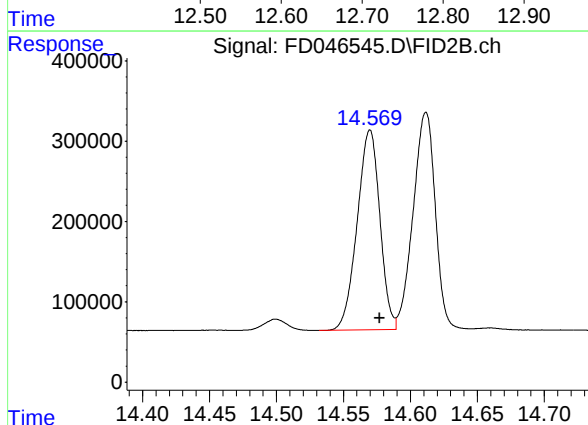
#13 Pyrene (C20.8)

R.T.: 12.706 min
Delta R.T.: -0.007 min
Response: 3462417
Conc: 21.11 ug/ml

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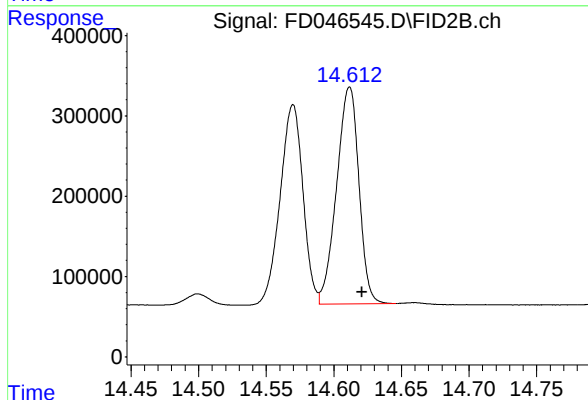
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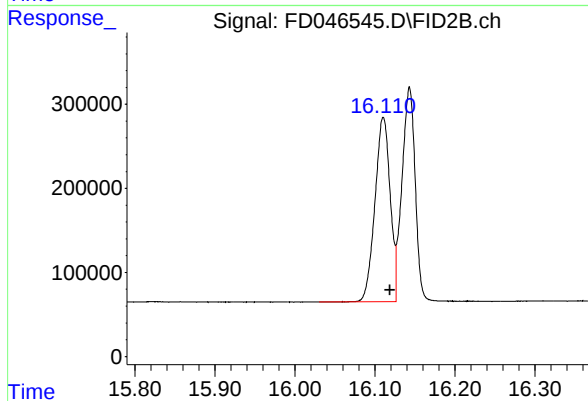
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.570 min
Delta R.T.: -0.007 min
Response: 2932561
Conc: 21.00 ug/ml



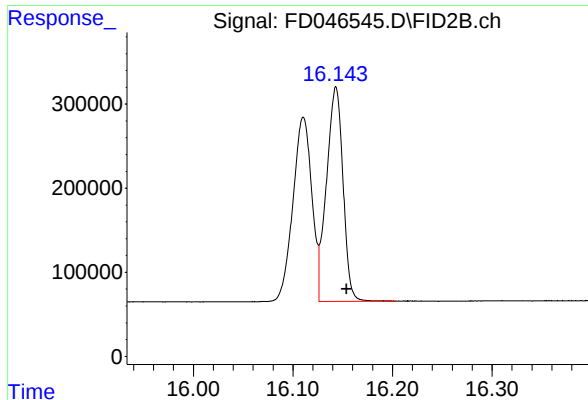
#15 Chrysene (C27.41)

R.T.: 14.611 min
Delta R.T.: -0.009 min
Response: 3099800
Conc: 20.42 ug/ml



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

R.T.: 16.110 min
Delta R.T.: -0.008 min
Response: 2884200
Conc: 21.03 ug/ml



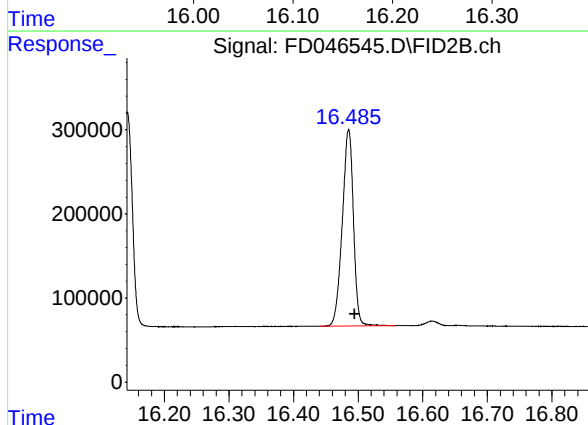
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.143 min
Delta R.T.: -0.011 min
Response: 2935116
Conc: 21.19 ug/ml

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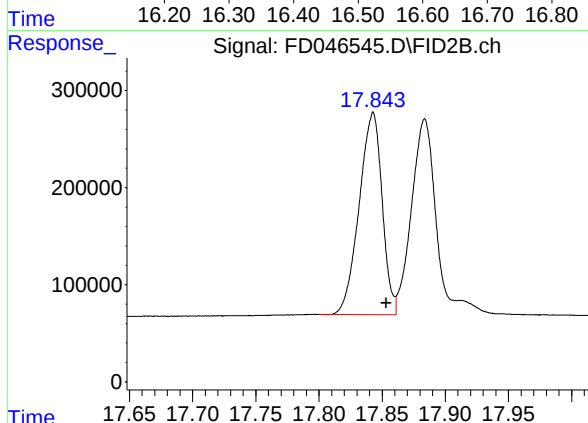
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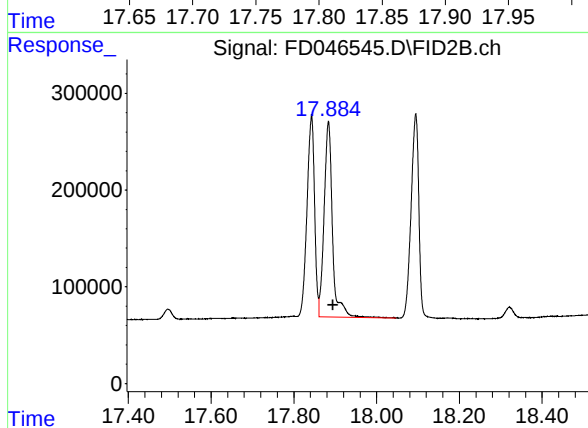
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: -0.009 min
Response: 2801151
Conc: 20.94 ug/ml m



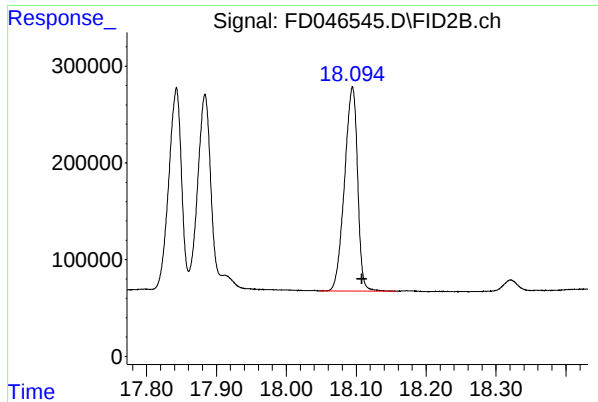
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.842 min
Delta R.T.: -0.011 min
Response: 2632547
Conc: 21.00 ug/ml



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

R.T.: 17.884 min
Delta R.T.: -0.010 min
Response: 2841856
Conc: 21.36 ug/ml



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

R.T.: 18.094 min
Delta R.T.: -0.014 min
Response: 2739054
Conc: 20.77 ug/ml

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