

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091123AR\
 Data File : FD046459.D
 Signal(s) : FID2B.ch
 Acq On : 12 Sep 2023 00:19
 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 09/12/2023
 Supervised By :Ankita Jodhani 09/12/2023

Integration File: autoint1.e
 Quant Time: Sep 12 01:10:24 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 082223.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 22 12:26:56 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...	7.491	3512978	20.801 ug/ml
Spiked Amount 50.000		Recovery =	41.60%
6) S 2-Fluorobiphenyl (SURR)	8.345	2322361	20.868 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.74%
11) S ortho-Terphenyl (SURR)	11.383	4135459	21.086 ug/ml
Spiked Amount 50.000		Recovery =	42.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.305	3644233	20.739 ug/ml
2) T Naphthalene (C11.7)	5.831	3829963	20.780 ug/ml
3) T 2-Methylnaphthalene (...)	6.880	3861058	20.795 ug/ml
5) T Acenaphthylene (C15.06)	8.149	3458905	20.325 ug/ml
7) T Acenaphthene (C15.5)	8.444	3750903	20.820 ug/ml
8) T Flouorene (C16.55)	9.222	3642528	20.827 ug/ml
9) T Phenanthrene (C19.36)	10.611	3549998	20.691 ug/ml
10) T Anthracene (C19.43)	10.684	2741796	16.253 ug/ml
12) T Fluoranthene (C21.85)	12.414	3462053	20.809 ug/ml
13) T Pyrene (C20.8)	12.708	3331058	20.668 ug/ml
14) T Benzo[a]anthracene (C...	14.571	2789660	19.829 ug/mlm
15) T Chrysene (C27.41)	14.613	3003643	20.249 ug/ml
16) T benzo[b]fluoranthene ...	16.111	2759416	20.308 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.144	2848622	20.998 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.485	2549079	19.346 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.843	2539808	20.362 ug/mlm
20) T Dibenz[a,h]anthracene...	17.885	2868930	22.895 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.095	2650379	20.667 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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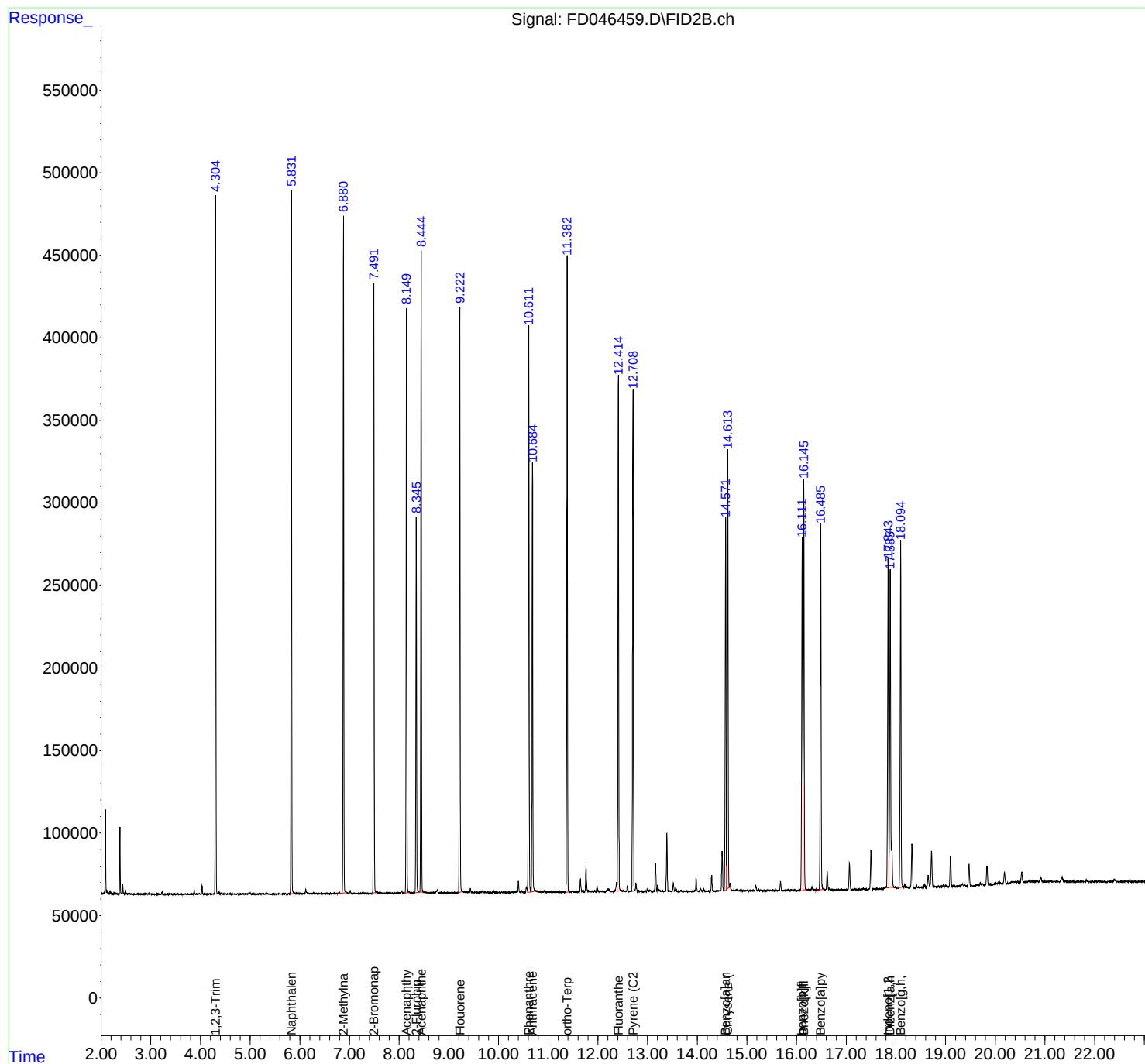
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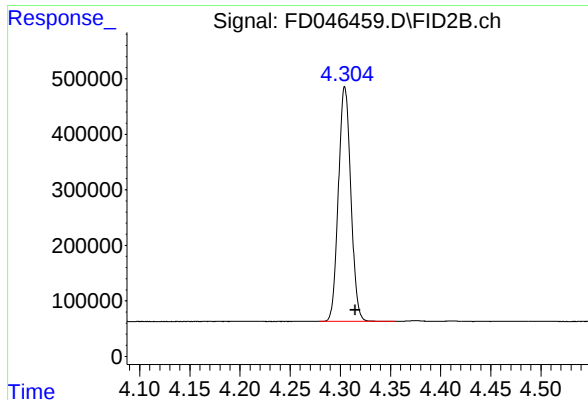
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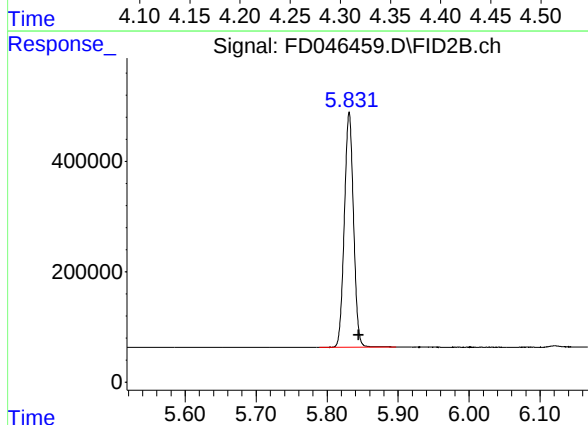
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.305 min
Delta R.T.: -0.010 min
Response: 3644233
Conc: 20.74 ug/ml

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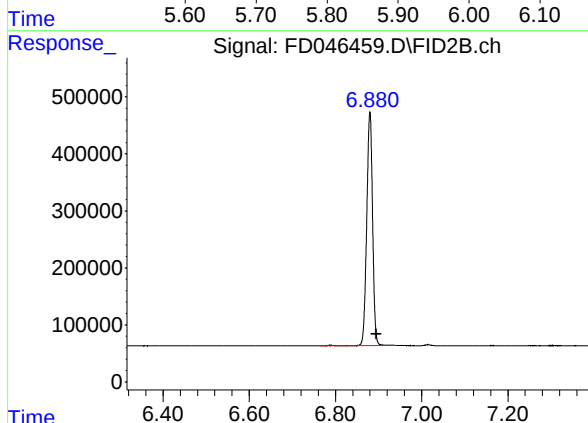
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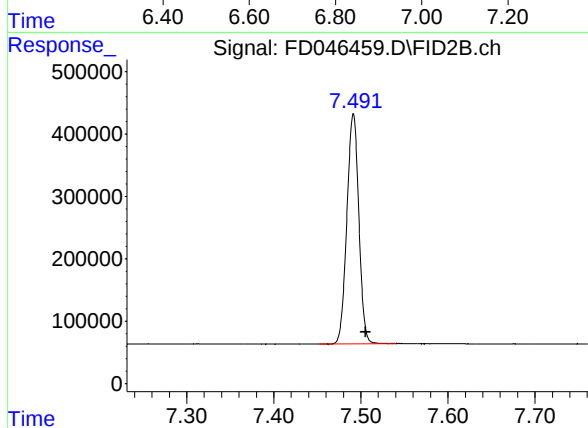
#2 Naphthalene (C11.7)

R.T.: 5.831 min
Delta R.T.: -0.013 min
Response: 3829963
Conc: 20.78 ug/ml



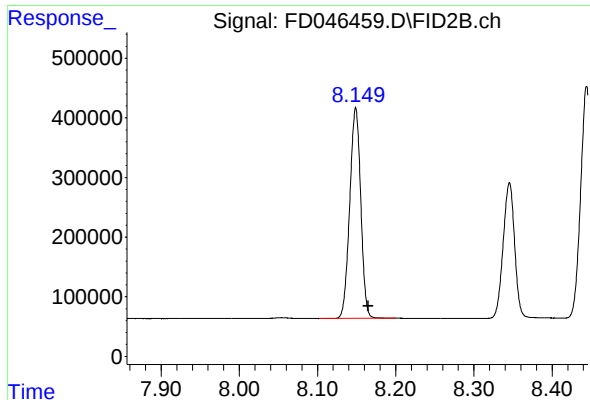
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.880 min
Delta R.T.: -0.015 min
Response: 3861058
Conc: 20.79 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.491 min
Delta R.T.: -0.014 min
Response: 3512978
Conc: 20.80 ug/ml



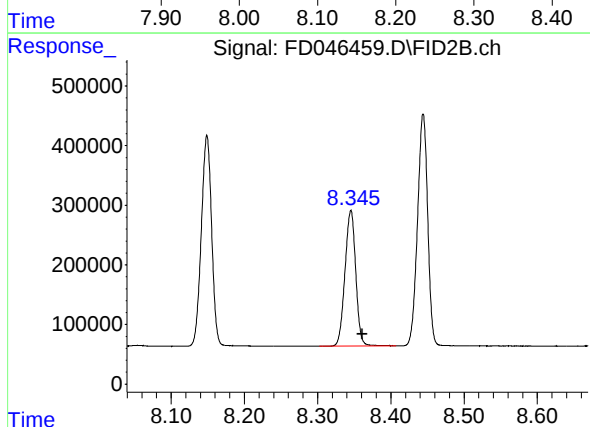
#5 Acenaphthylene (C15.06)

R.T.: 8.149 min
Delta R.T.: -0.016 min
Response: 3458905
Conc: 20.33 ug/ml

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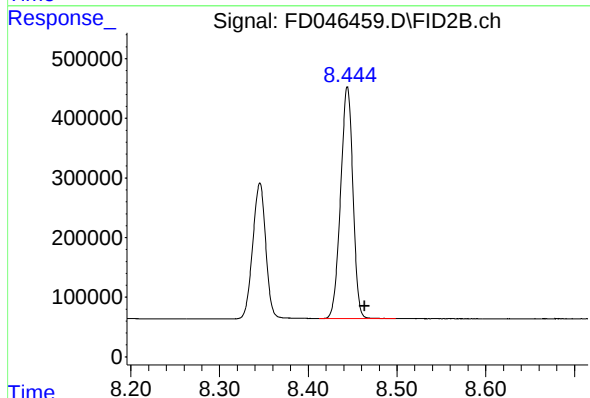
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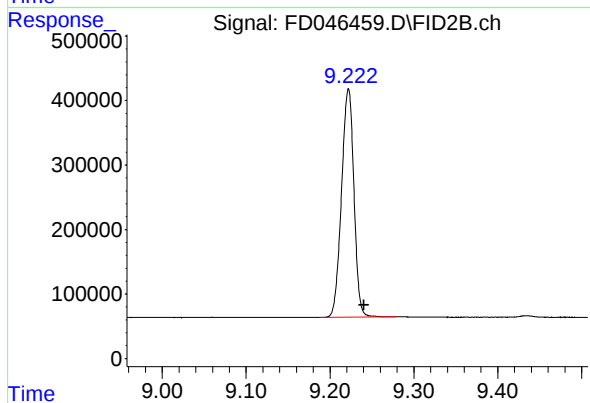
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.345 min
Delta R.T.: -0.016 min
Response: 2322361
Conc: 20.87 ug/ml



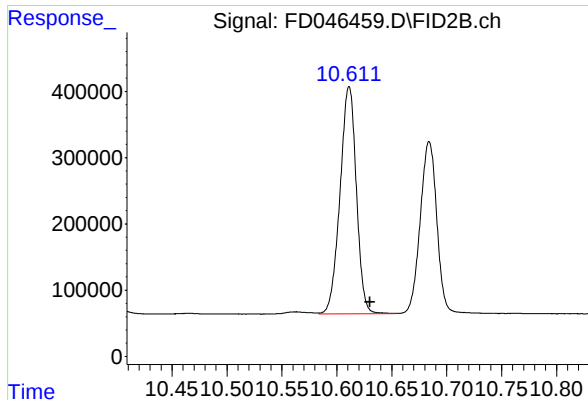
#7 Acenaphthene (C15.5)

R.T.: 8.444 min
Delta R.T.: -0.019 min
Response: 3750903
Conc: 20.82 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.222 min
Delta R.T.: -0.019 min
Response: 3642528
Conc: 20.83 ug/ml



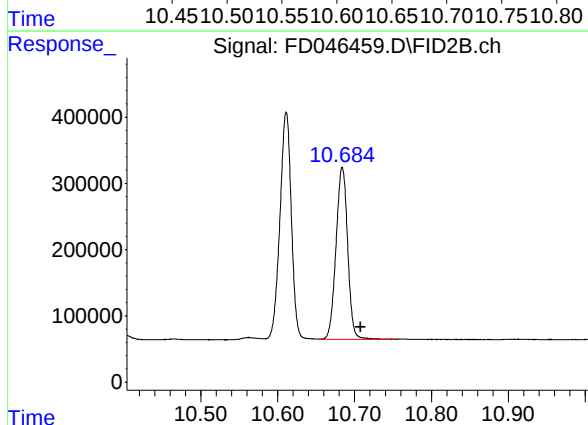
#9 Phenanthrene (C19.36)

R.T.: 10.611 min
Delta R.T.: -0.019 min
Response: 3549998
Conc: 20.69 ug/ml

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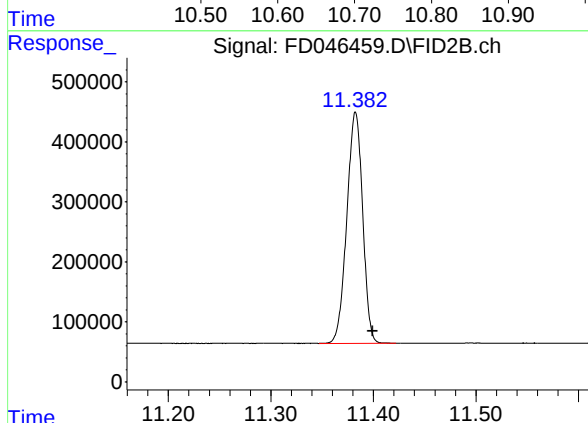
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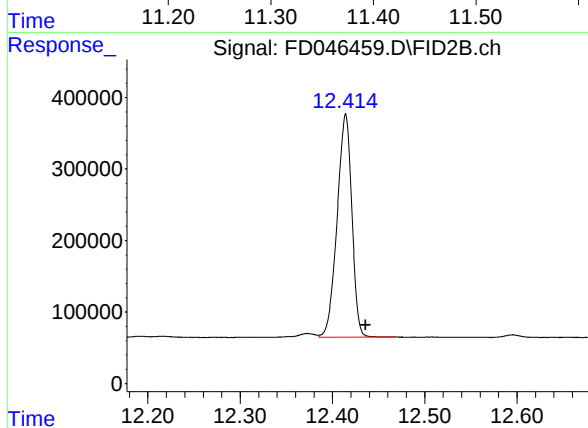
#10 Anthracene (C19.43)

R.T.: 10.684 min
Delta R.T.: -0.024 min
Response: 2741796
Conc: 16.25 ug/ml



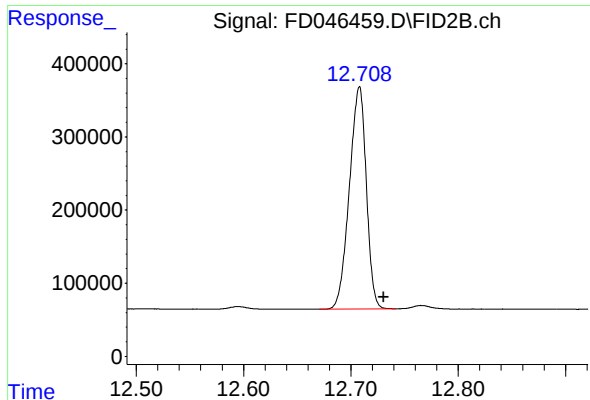
#11 ortho-Terphenyl (SURR)

R.T.: 11.383 min
Delta R.T.: -0.017 min
Response: 4135459
Conc: 21.09 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.414 min
Delta R.T.: -0.022 min
Response: 3462053
Conc: 20.81 ug/ml



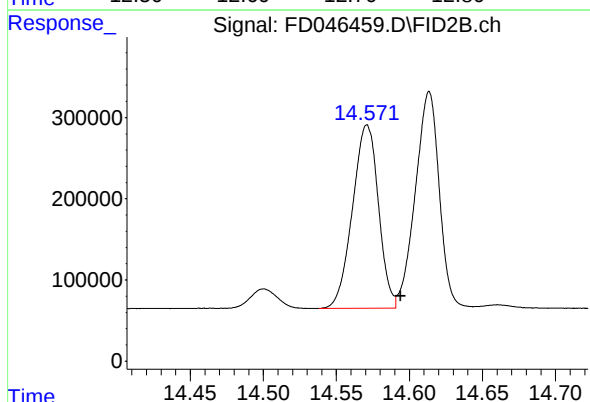
#13 Pyrene (C20.8)

R.T.: 12.708 min
Delta R.T.: -0.023 min
Response: 3331058
Conc: 20.67 ug/ml

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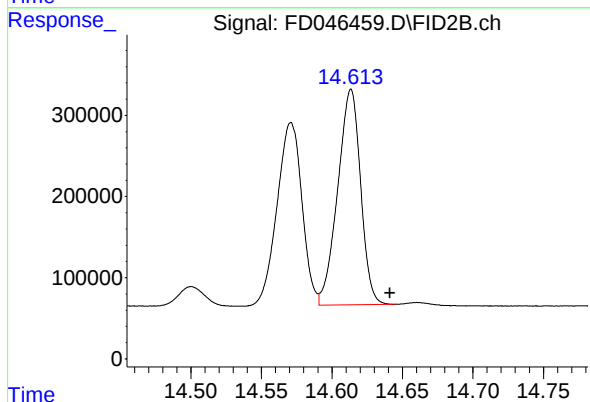
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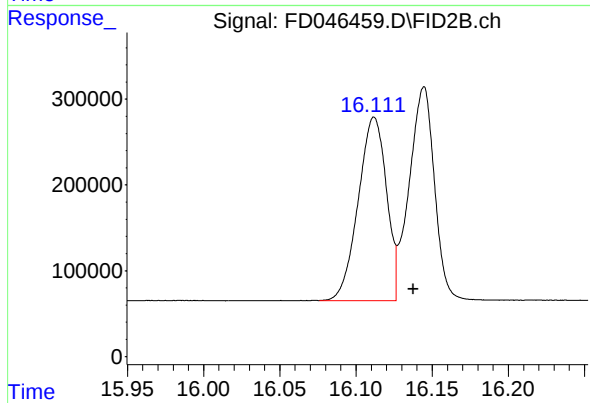
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.571 min
Delta R.T.: -0.023 min
Response: 2789660
Conc: 19.83 ug/ml m



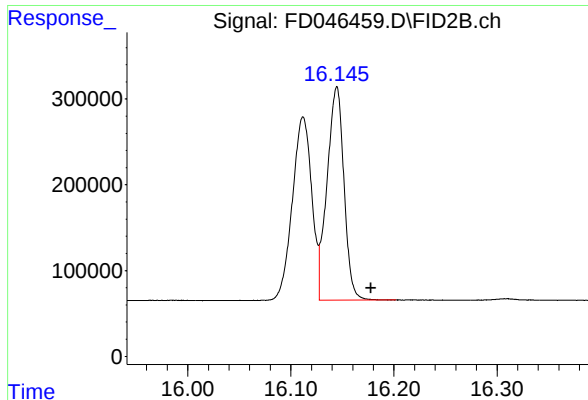
#15 Chrysene (C27.41)

R.T.: 14.613 min
Delta R.T.: -0.028 min
Response: 3003643
Conc: 20.25 ug/ml



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

R.T.: 16.111 min
Delta R.T.: -0.026 min
Response: 2759416
Conc: 20.31 ug/ml m



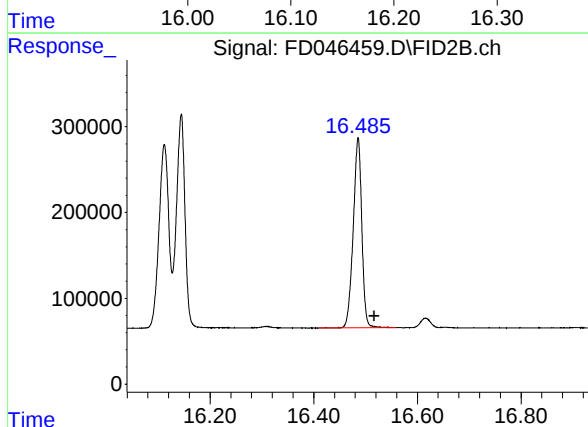
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.144 min
Delta R.T.: -0.033 min
Response: 2848622
Conc: 21.00 ug/ml

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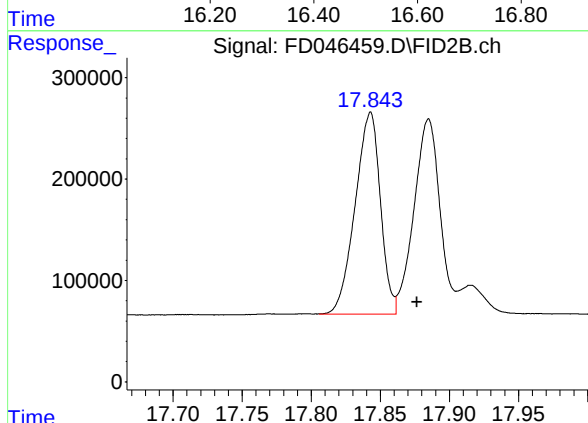
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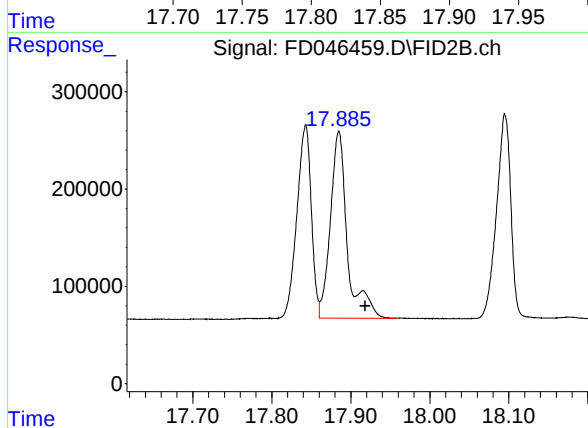
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.485 min
Delta R.T.: -0.032 min
Response: 2549079
Conc: 19.35 ug/ml



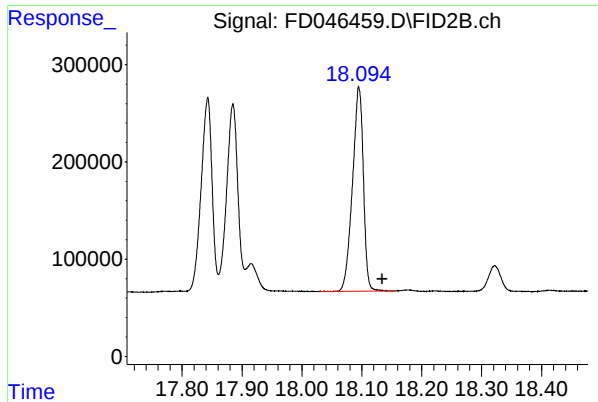
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.843 min
Delta R.T.: -0.034 min
Response: 2539808
Conc: 20.36 ug/ml m



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

R.T.: 17.885 min
Delta R.T.: -0.034 min
Response: 2868930
Conc: 22.90 ug/ml m



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

R.T.: 18.095 min
Delta R.T.: -0.039 min
Response: 2650379
Conc: 20.67 ug/ml

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