

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF082024AR\
 Data File : FF014445.D
 Signal(s) : FID2B.ch
 Acq On : 20 Aug 2024 17:52
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 FID_F
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :Ankita Jodhani 08/21/2024

Integration File: autoint1.e
 Quant Time: Aug 20 18:57:43 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\Aromatic EPH 082024.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 20 15:55:53 2024
 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...	7.875	2337189	20.873 ug/ml
Spiked Amount 50.000		Recovery =	41.75%
6) S 2-Fluorobiphenyl (SURR)	8.746	1418826	21.193 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	42.39%
11) S ortho-Terphenyl (SURR)	11.806	2951570	20.487 ug/ml
Spiked Amount 50.000		Recovery =	40.97%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.489	2736427	20.538 ug/ml
2) T Naphthalene (C11.7)	6.152	2789439	20.952 ug/ml
3) T 2-Methylnaphthalene (...)	7.247	2786739	20.876 ug/ml
5) T Acenaphthylene (C15.06)	8.544	2775014	20.716 ug/ml
7) T Acenaphthene (C15.5)	8.843	2920712	20.467 ug/ml
8) T Fluorene (C16.55)	9.632	2702784	20.846 ug/ml
9) T Phenanthrene (C19.36)	11.034	2665994	20.925 ug/ml
10) T Anthracene (C19.43)	11.110	2833195	21.234 ug/ml
12) T Fluoranthene (C21.85)	12.852	2857830	20.799 ug/ml
13) T Pyrene (C20.8)	13.149	2897597	20.920 ug/ml
14) T Benzo[a]anthracene (C...	15.028	2433842	21.644 ug/ml
15) T Chrysene (C27.41)	15.070	3152806	20.182 ug/ml
16) T benzo[b]fluoranthene ...	16.585	2565326	21.803 ug/ml
17) T Bnezo[k]fluoranthene ...	16.616	2878808	19.845 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.964	2610891	20.666 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.334	1746434	20.891 ug/ml
20) T Dibenz[a,h]anthracene...	18.379	2926095	21.178 ug/ml
21) T Benzo[g,h,i]perylene ...	18.587	2551925	20.799 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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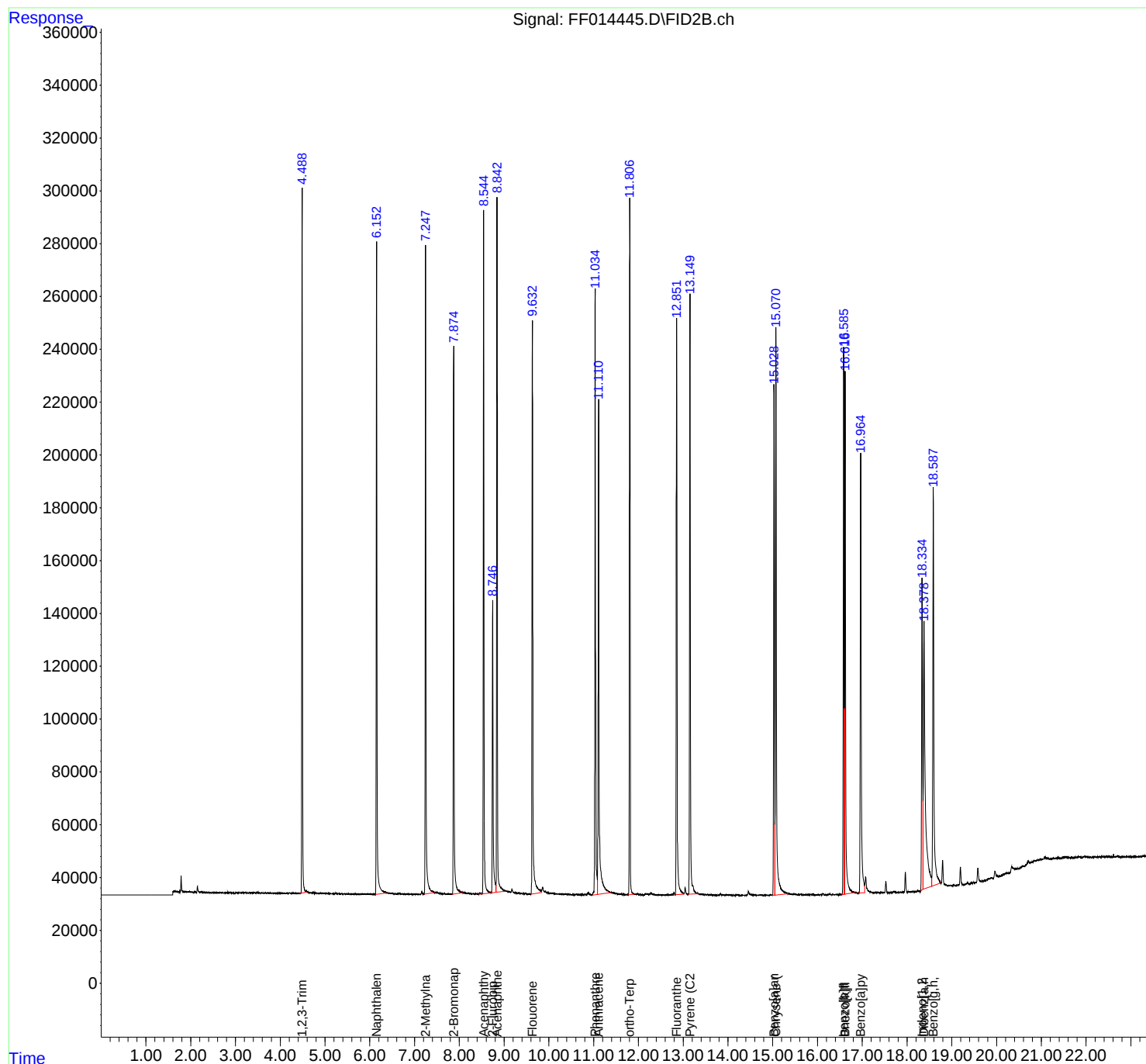
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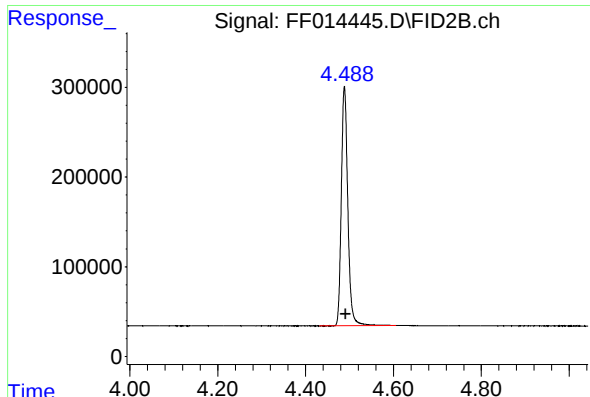
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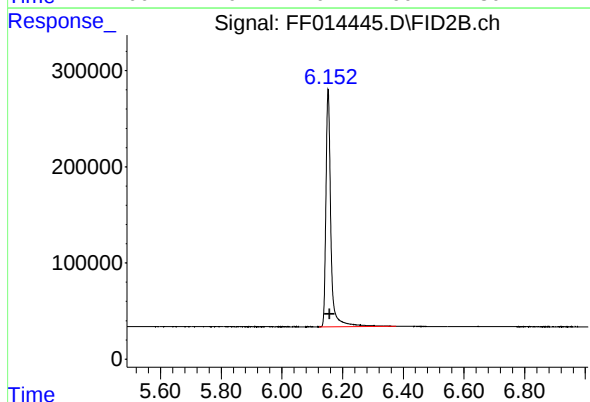
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.489 min
Delta R.T.: -0.002 min
Response: 2736427
Conc: 20.54 ug/ml

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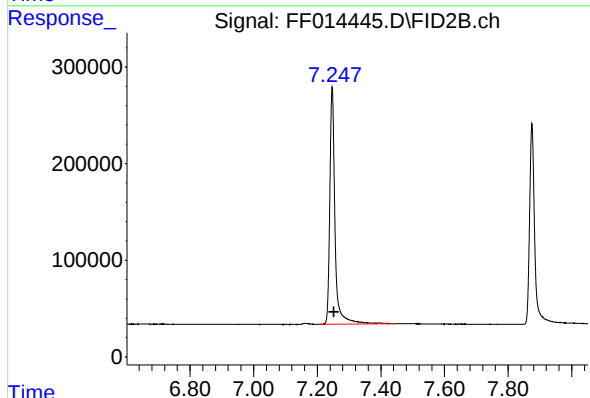
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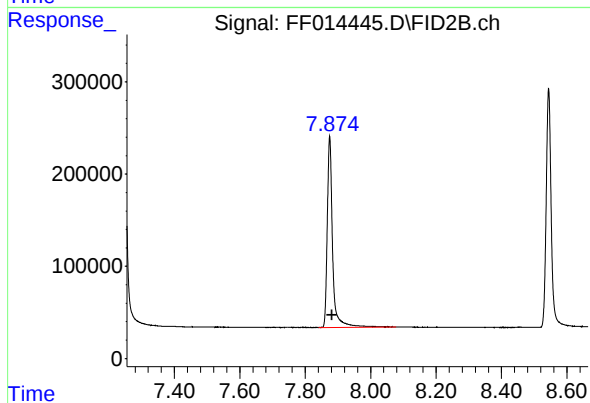
#2 Naphthalene (C11.7)

R.T.: 6.152 min
Delta R.T.: -0.005 min
Response: 2789439
Conc: 20.95 ug/ml



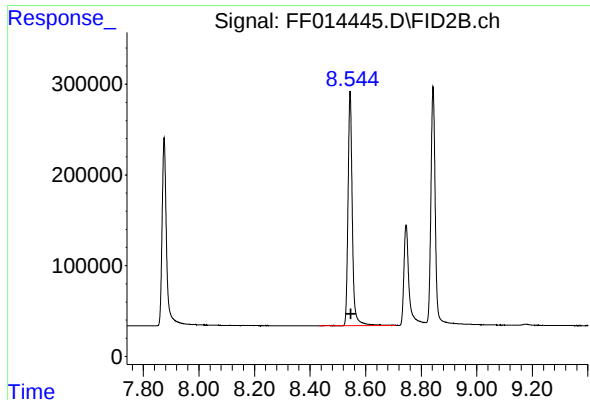
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.247 min
Delta R.T.: -0.006 min
Response: 2786739
Conc: 20.88 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.875 min
Delta R.T.: -0.007 min
Response: 2337189
Conc: 20.87 ug/ml



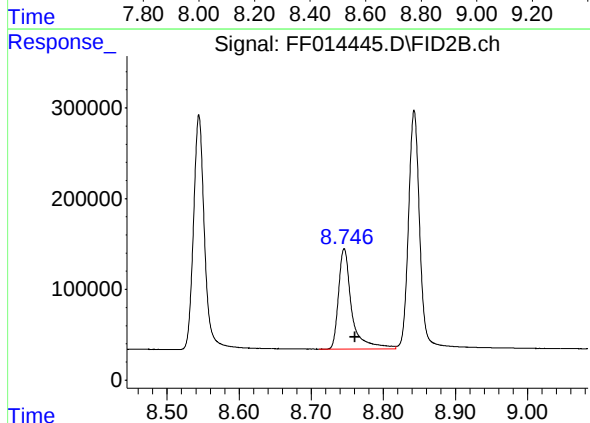
#5 Acenaphthylene (C15.06)

R.T.: 8.544 min
Delta R.T.: -0.004 min
Response: 2775014
Conc: 20.72 ug/ml

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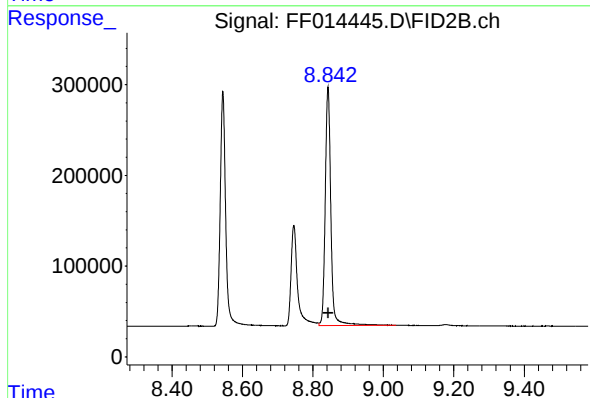
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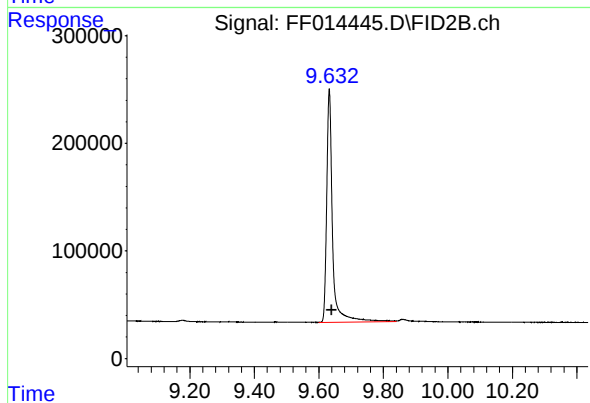
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.746 min
Delta R.T.: -0.015 min
Response: 1418826
Conc: 21.19 ug/ml



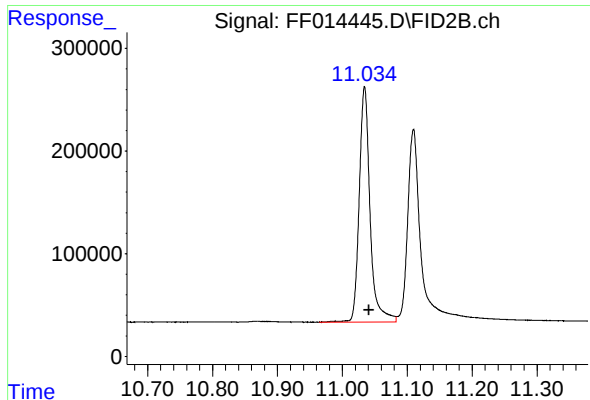
#7 Acenaphthene (C15.5)

R.T.: 8.843 min
Delta R.T.: -0.001 min
Response: 2920712
Conc: 20.47 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.632 min
Delta R.T.: -0.008 min
Response: 2702784
Conc: 20.85 ug/ml



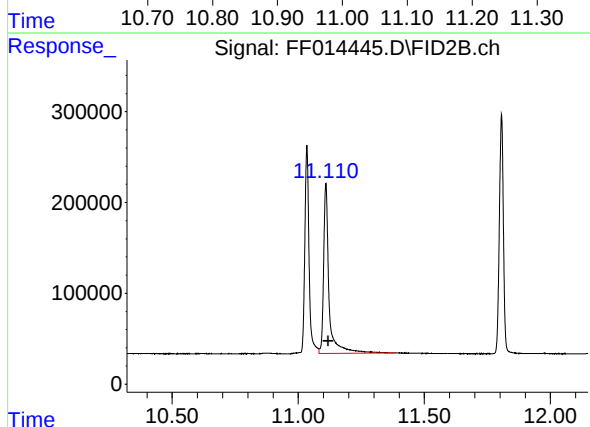
#9 Phenanthrene (C19.36)

R.T.: 11.034 min
Delta R.T.: -0.007 min
Response: 2665994
Conc: 20.92 ug/ml

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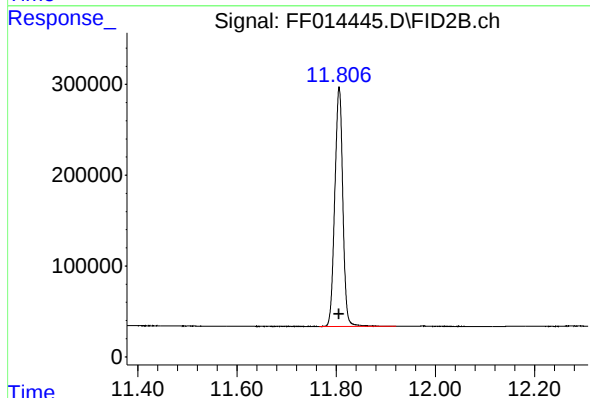
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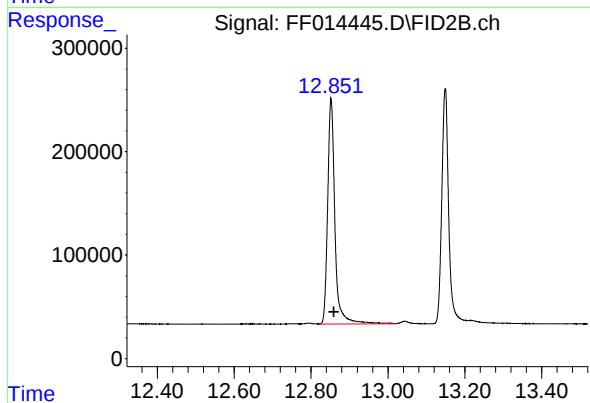
#10 Anthracene (C19.43)

R.T.: 11.110 min
Delta R.T.: -0.010 min
Response: 2833195
Conc: 21.23 ug/ml



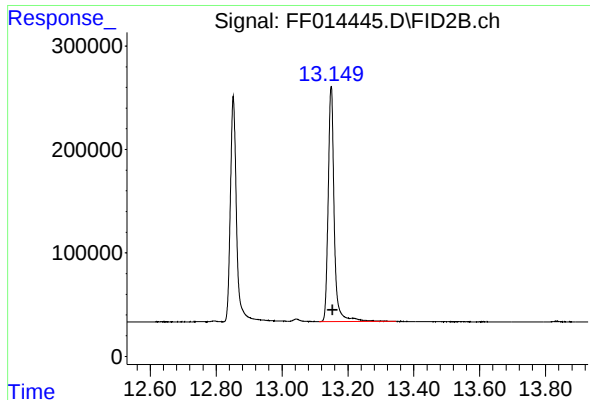
#11 ortho-Terphenyl (SURRE)

R.T.: 11.806 min
Delta R.T.: 0.000 min
Response: 2951570
Conc: 20.49 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.852 min
Delta R.T.: -0.008 min
Response: 2857830
Conc: 20.80 ug/ml



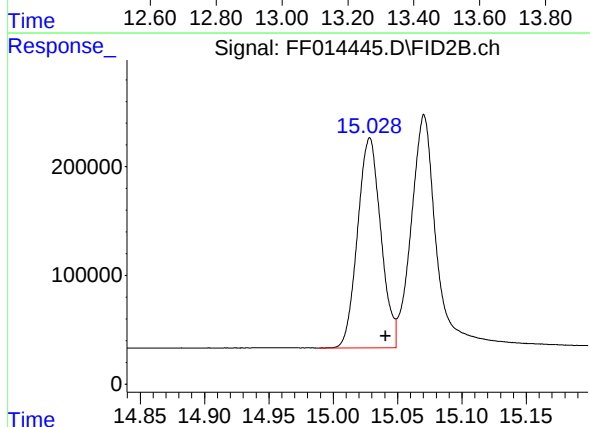
#13 Pyrene (C20.8)

R.T.: 13.149 min
Delta R.T.: -0.004 min
Response: 2897597
Conc: 20.92 ug/ml

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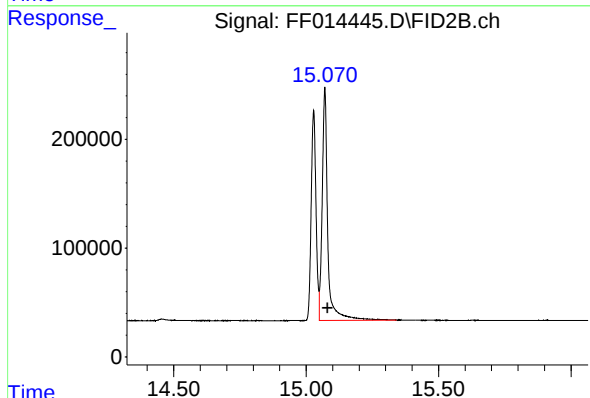
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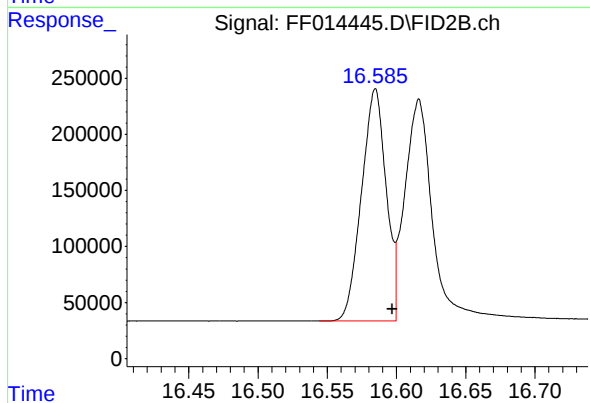
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.028 min
Delta R.T.: -0.012 min
Response: 2433842
Conc: 21.64 ug/ml



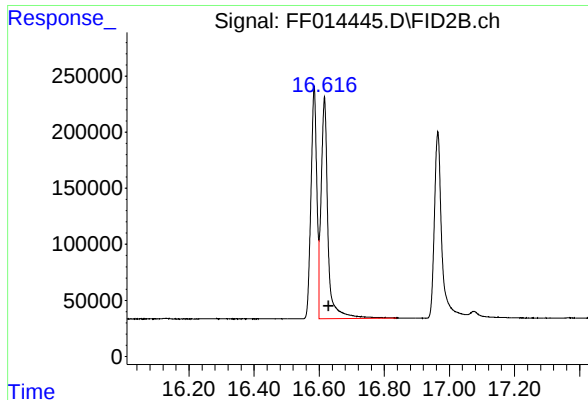
#15 Chrysene (C27.41)

R.T.: 15.070 min
Delta R.T.: -0.011 min
Response: 3152806
Conc: 20.18 ug/ml



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

R.T.: 16.585 min
Delta R.T.: -0.012 min
Response: 2565326
Conc: 21.80 ug/ml



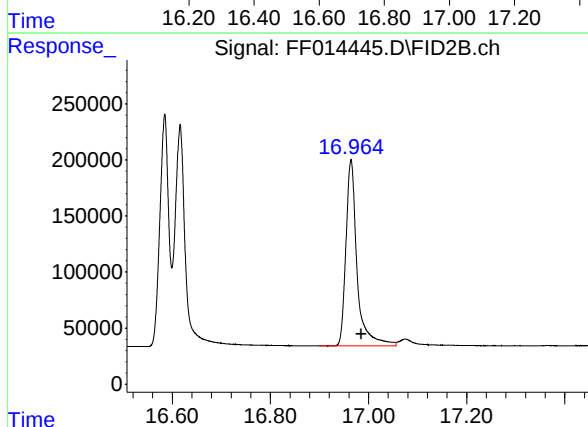
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.616 min
Delta R.T.: -0.013 min
Response: 2878808
Conc: 19.85 ug/ml

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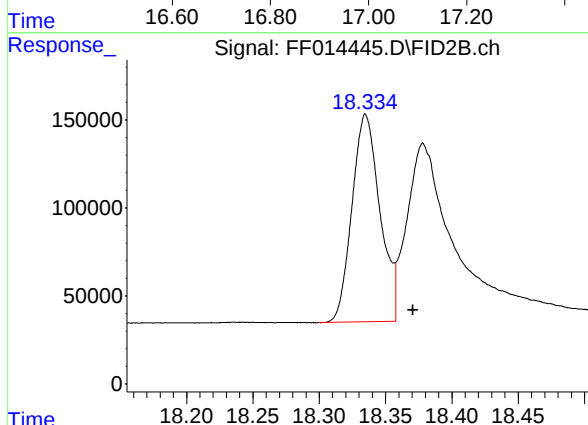
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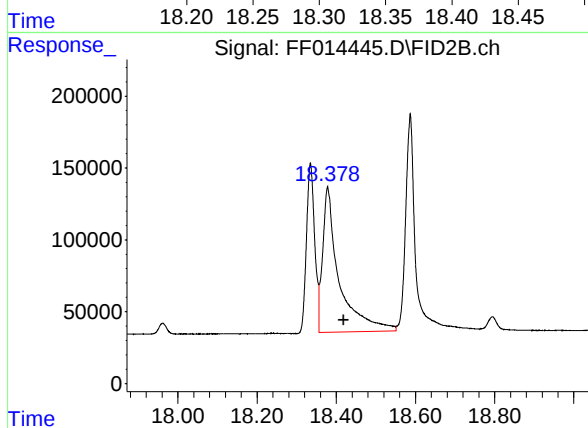
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.964 min
Delta R.T.: -0.021 min
Response: 2610891
Conc: 20.67 ug/ml



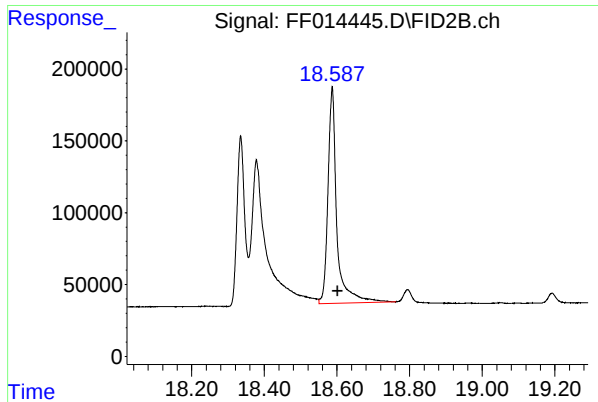
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.334 min
Delta R.T.: -0.036 min
Response: 1746434
Conc: 20.89 ug/ml m



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

R.T.: 18.379 min
Delta R.T.: -0.041 min
Response: 2926095
Conc: 21.18 ug/ml



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

R.T.: 18.587 min
Delta R.T.: -0.015 min
Response: 2551925
Conc: 20.80 ug/ml

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