

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041924AR\
 Data File : FD047550.D
 Signal(s) : FID2B.ch
 Acq On : 19 Apr 2024 07:26
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :Ankita Jodhani 04/22/2024

Integration File: autoint1.e
 Quant Time: Apr 20 02:50:51 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040224.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 01 16:48:10 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...	7.461	3456587	23.121 ug/ml
Spiked Amount 50.000		Recovery =	46.24%
6) S 2-Fluorobiphenyl (SURR)	8.314	2260808	23.138 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	46.28%
11) S ortho-Terphenyl (SURR)	11.351	3962062	23.112 ug/ml
Spiked Amount 50.000		Recovery =	46.22%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.276	3660150	23.163 ug/ml
2) T Naphthalene (C11.7)	5.800	3790094	23.161 ug/ml
3) T 2-Methylnaphthalene (...)	6.849	3807665	23.149 ug/ml
5) T Acenaphthylene (C15.06)	8.117	3397927	22.512 ug/ml
7) T Acenaphthene (C15.5)	8.412	3683992	23.002 ug/ml
8) T Fluorene (C16.55)	9.190	3554375	22.976 ug/ml
9) T Phenanthrene (C19.36)	10.580	3433467	23.077 ug/ml
10) T Anthracene (C19.43)	10.654	2489069	18.301 ug/ml
12) T Fluoranthene (C21.85)	12.385	3423292	23.157 ug/ml
13) T Pyrene (C20.8)	12.678	3299052	22.859 ug/mlm
14) T Benzo[a]anthracene (C...	14.545	2960656	22.512 ug/ml
15) T Chrysene (C27.41)	14.588	3179569	22.548 ug/ml
16) T benzo[b]fluoranthene ...	16.091	3191584	22.877 ug/ml
17) T Bnezo[k]fluoranthene ...	16.123	3296349	23.700 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.467	3063775	22.314 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.829	2973846	22.046 ug/ml
20) T Dibenz[a,h]anthracene...	17.869	2991901	22.261 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.080	3081883	22.205 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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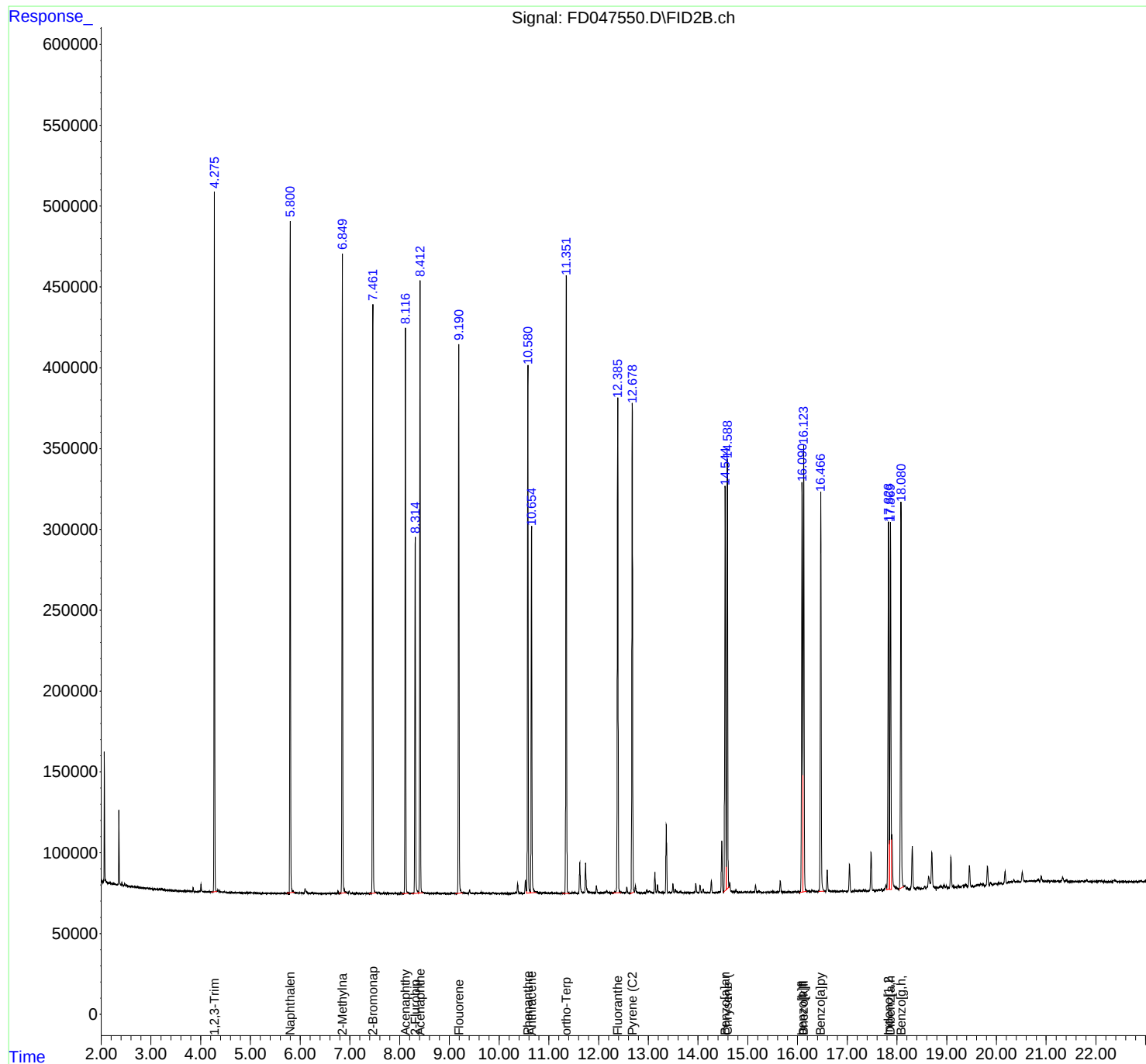
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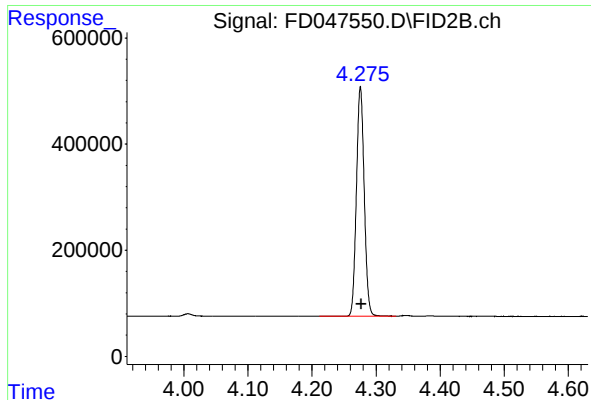
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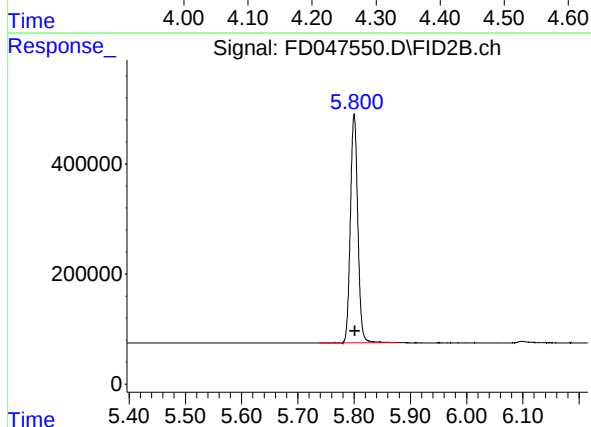
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.276 min
Delta R.T.: -0.001 min
Response: 3660150
Conc: 23.16 ug/ml

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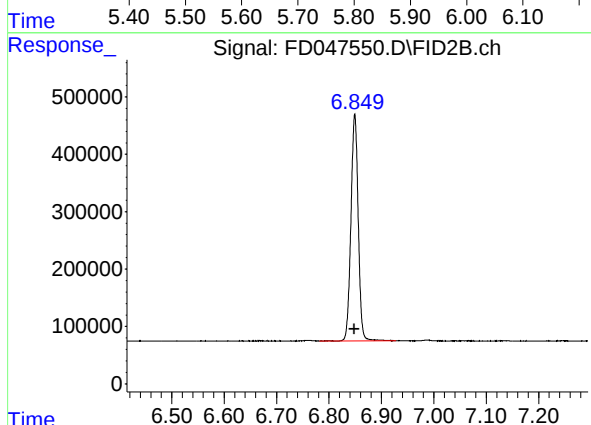
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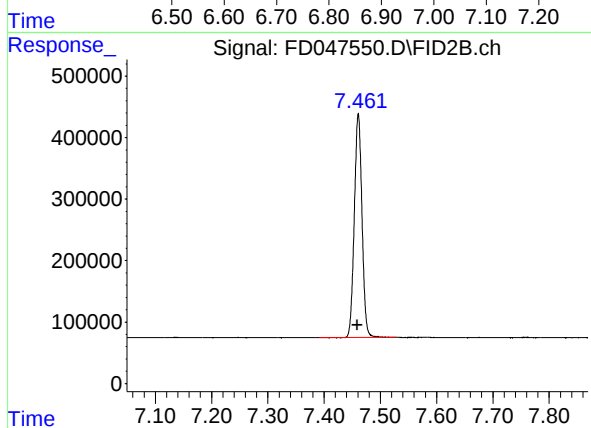
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: -0.001 min
Response: 3790094
Conc: 23.16 ug/ml



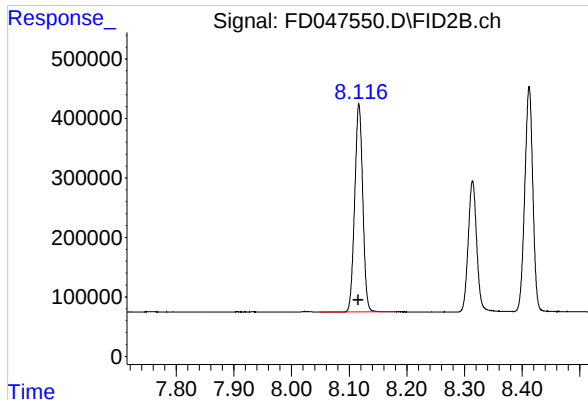
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.849 min
Delta R.T.: 0.001 min
Response: 3807665
Conc: 23.15 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.461 min
Delta R.T.: 0.002 min
Response: 3456587
Conc: 23.12 ug/ml



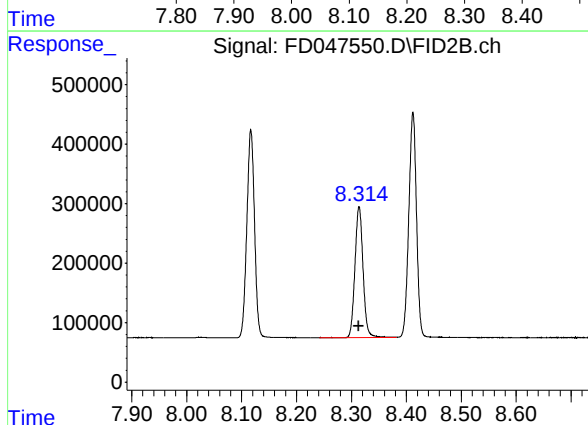
#5 Acenaphthylene (C15.06)

R.T.: 8.117 min
Delta R.T.: 0.001 min
Response: 3397927
Conc: 22.51 ug/ml

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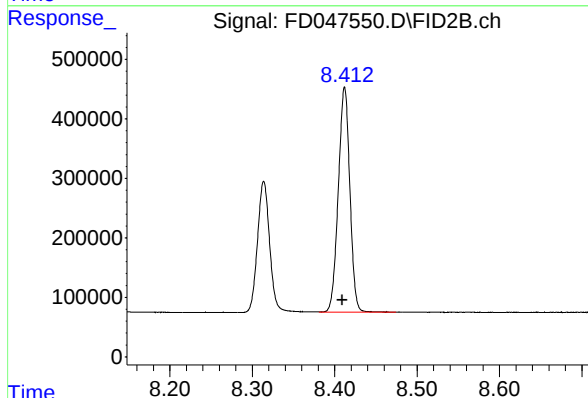
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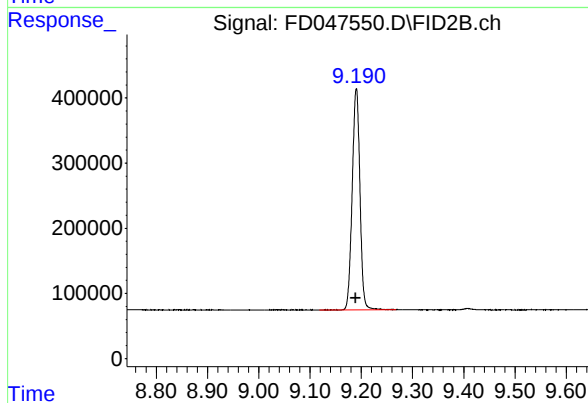
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.314 min
Delta R.T.: 0.000 min
Response: 2260808
Conc: 23.14 ug/ml



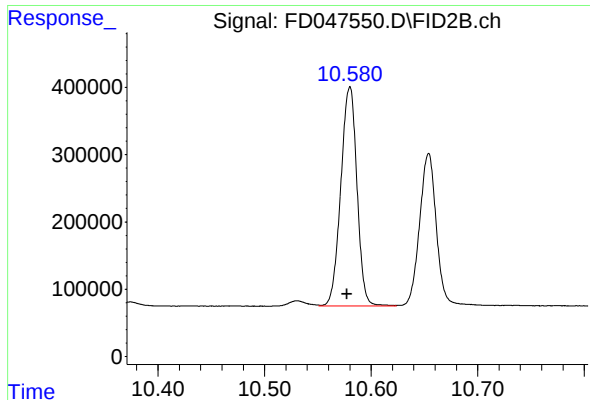
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.003 min
Response: 3683992
Conc: 23.00 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.190 min
Delta R.T.: 0.002 min
Response: 3554375
Conc: 22.98 ug/ml



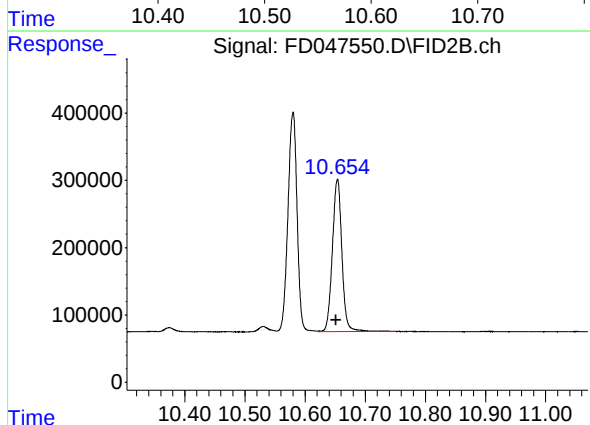
#9 Phenanthrene (C19.36)

R.T.: 10.580 min
Delta R.T.: 0.003 min
Response: 3433467
Conc: 23.08 ug/ml

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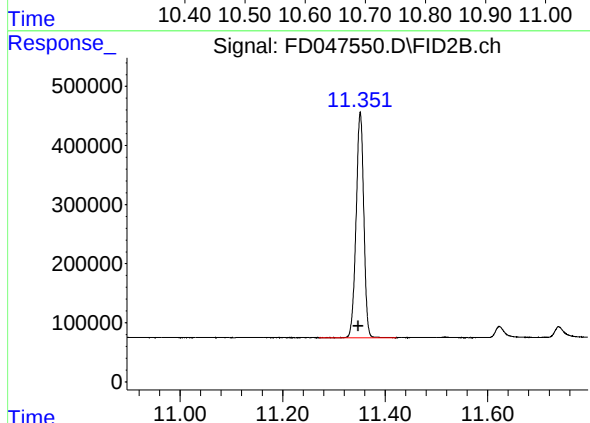
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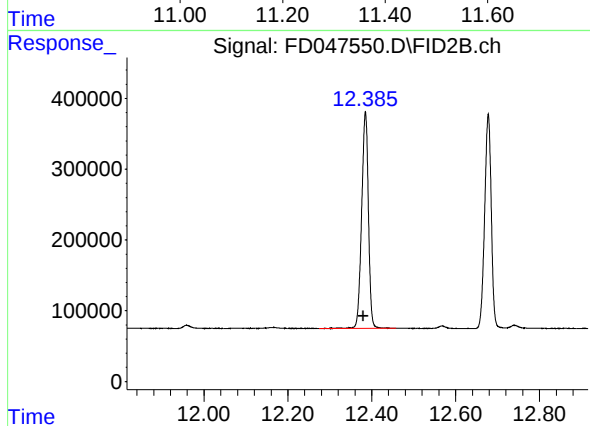
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: 0.002 min
Response: 2489069
Conc: 18.30 ug/ml



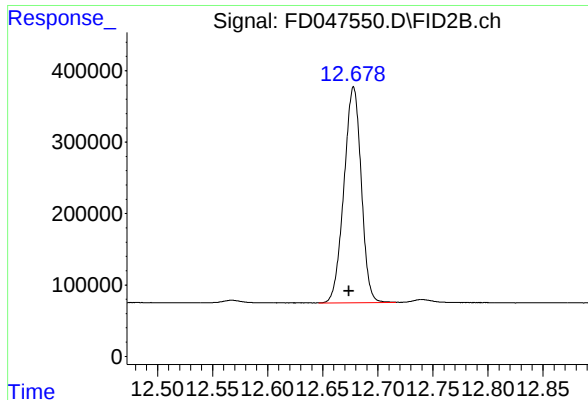
#11 ortho-Terphenyl (SURR)

R.T.: 11.351 min
Delta R.T.: 0.004 min
Response: 3962062
Conc: 23.11 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.385 min
Delta R.T.: 0.005 min
Response: 3423292
Conc: 23.16 ug/ml



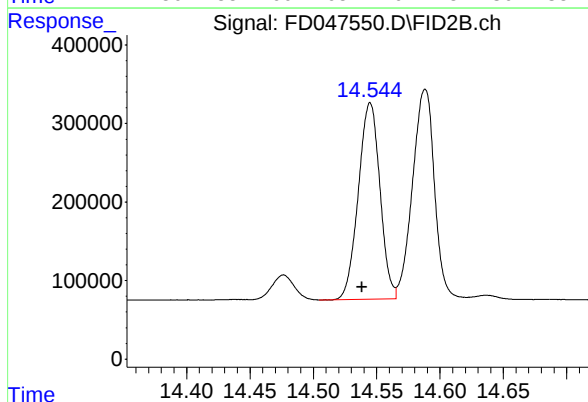
#13 Pyrene (C20.8)

R.T.: 12.678 min
Delta R.T.: 0.004 min
Response: 3299052
Conc: 22.86 ug/ml

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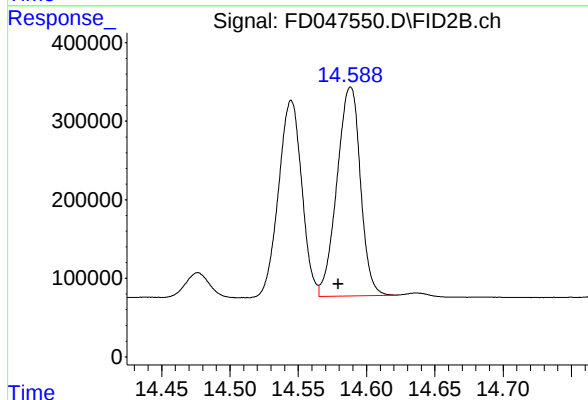
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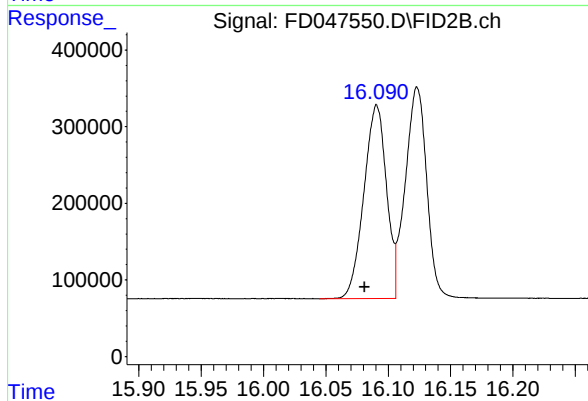
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.545 min
Delta R.T.: 0.006 min
Response: 2960656
Conc: 22.51 ug/ml



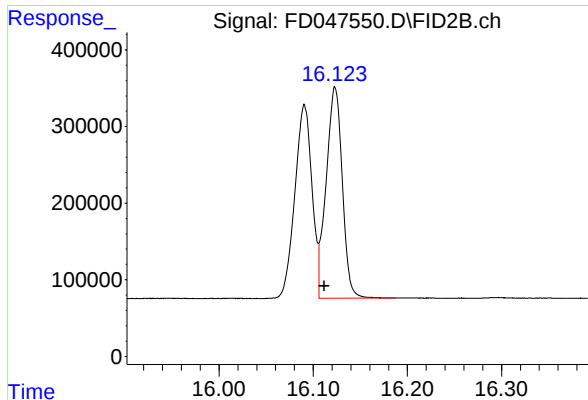
#15 Chrysene (C27.41)

R.T.: 14.588 min
Delta R.T.: 0.009 min
Response: 3179569
Conc: 22.55 ug/ml



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

R.T.: 16.091 min
Delta R.T.: 0.010 min
Response: 3191584
Conc: 22.88 ug/ml



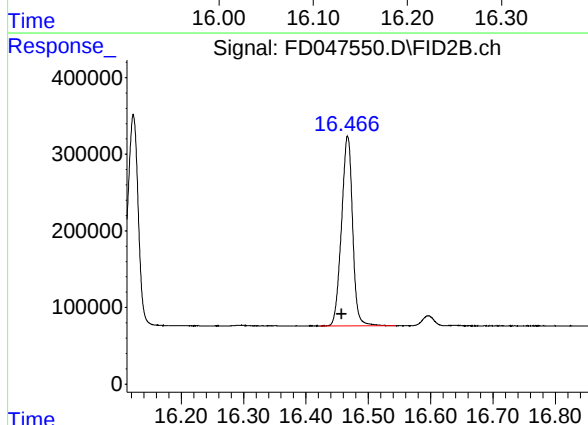
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.123 min
Delta R.T.: 0.011 min
Response: 3296349
Conc: 23.70 ug/ml

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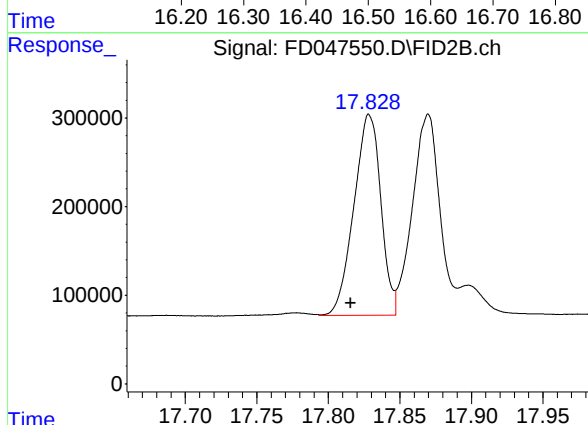
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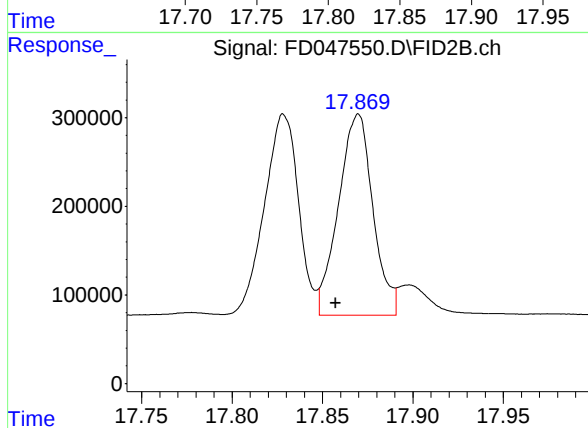
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.467 min
Delta R.T.: 0.009 min
Response: 3063775
Conc: 22.31 ug/ml



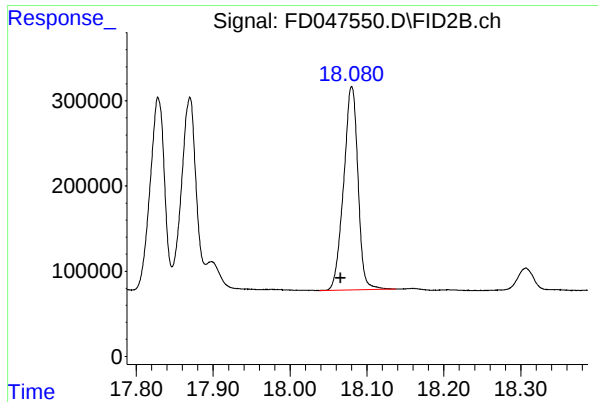
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.829 min
Delta R.T.: 0.013 min
Response: 2973846
Conc: 22.05 ug/ml



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

R.T.: 17.869 min
Delta R.T.: 0.012 min
Response: 2991901
Conc: 22.26 ug/ml m



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

R.T.: 18.080 min
Delta R.T.: 0.015 min
Response: 3081883
Conc: 22.21 ug/ml

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