

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD083123AR\
 Data File : FD046406.D
 Signal(s) : FID2B.ch
 Acq On : 31 Aug 2023 13:52
 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 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Integration File: autoint1.e
 Quant Time: Sep 01 00:23:14 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...	7.495	3506662	20.764 ug/ml
Spiked Amount 50.000		Recovery =	41.53%
6) S 2-Fluorobiphenyl (SURR)	8.349	2293162	20.605 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.21%
11) S ortho-Terphenyl (SURR)	11.386	4076012	20.782 ug/ml
Spiked Amount 50.000		Recovery =	41.56%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.310	3646837	20.753 ug/ml
2) T Naphthalene (C11.7)	5.836	3830768	20.785 ug/ml
3) T 2-Methylnaphthalene (...)	6.884	3849982	20.735 ug/ml
5) T Acenaphthylene (C15.06)	8.153	3494415	20.534 ug/ml
7) T Acenaphthene (C15.5)	8.448	3734352	20.728 ug/ml
8) T Fluorene (C16.55)	9.226	3614076	20.664 ug/ml
9) T Phenanthrene (C19.36)	10.615	3522461	20.530 ug/ml
10) T Anthracene (C19.43)	10.689	3133669	18.576 ug/ml
12) T Fluoranthene (C21.85)	12.417	3446606	20.717 ug/ml
13) T Pyrene (C20.8)	12.712	3306832	20.517 ug/ml
14) T Benzo[a]anthracene (C...	14.575	2815052	20.009 ug/ml
15) T Chrysene (C27.41)	14.617	2992317	20.173 ug/ml
16) T benzo[b]fluoranthene ...	16.117	2733939	20.120 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.149	2795087	20.603 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.491	2627499	19.941 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.848	2501103	20.051 ug/mlm
20) T Dibenz[a,h]anthracene...	17.889	2693103	21.492 ug/ml
21) T Benzo[g,h,i]perylene ...	18.100	2619175	20.424 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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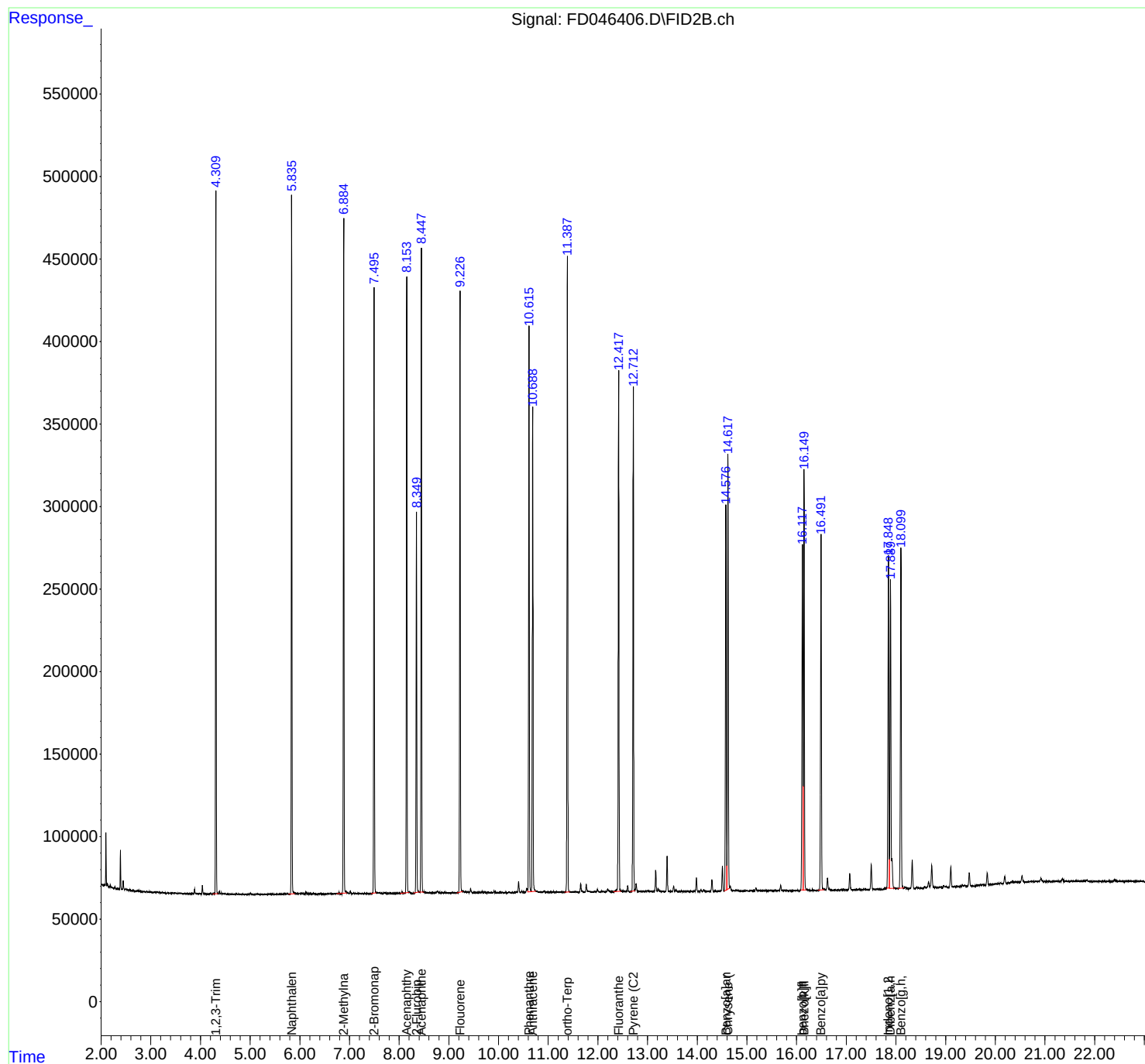
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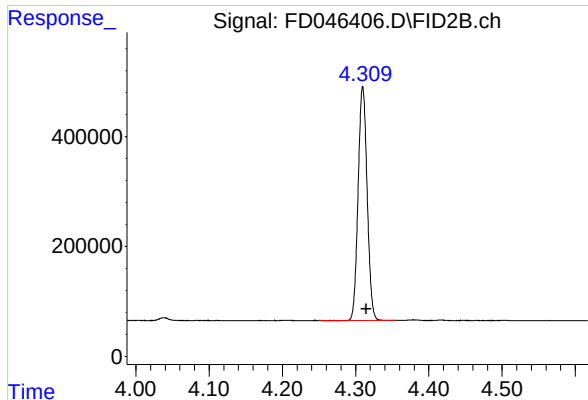
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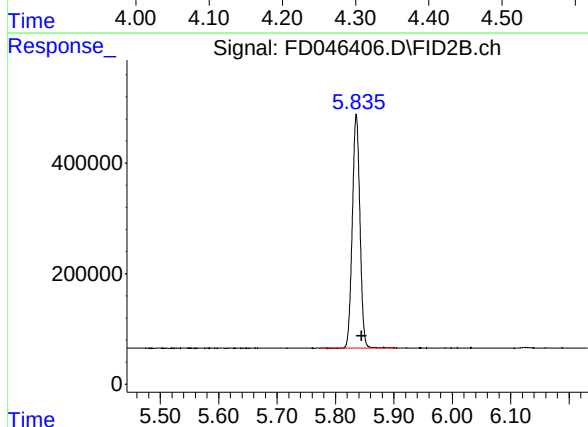
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.310 min
Delta R.T.: -0.005 min
Response: 3646837
Conc: 20.75 ug/ml

Instrument :
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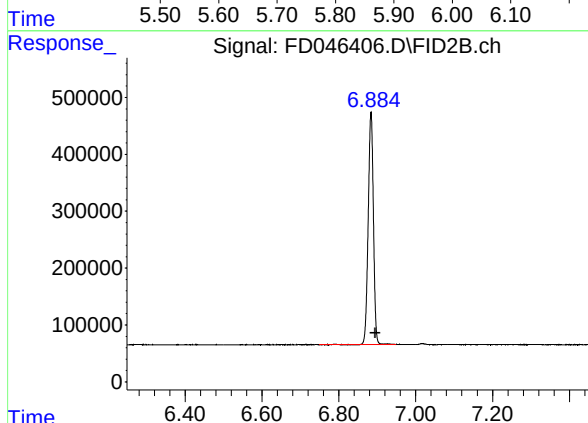
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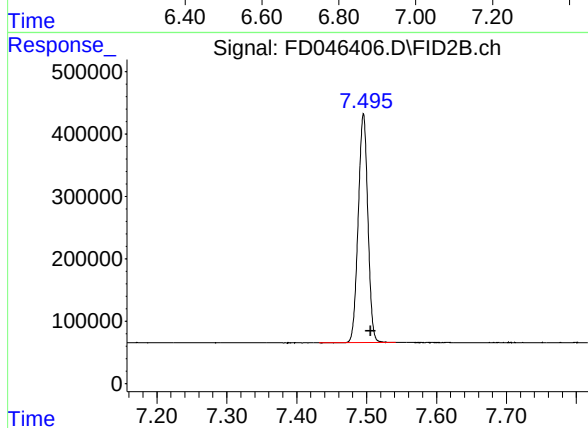
#2 Naphthalene (C11.7)

R.T.: 5.836 min
Delta R.T.: -0.009 min
Response: 3830768
Conc: 20.78 ug/ml



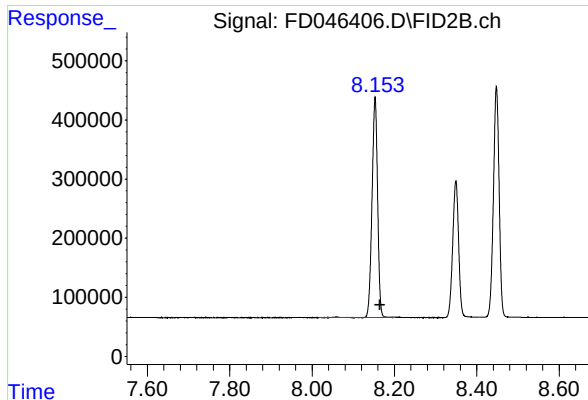
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.884 min
Delta R.T.: -0.011 min
Response: 3849982
Conc: 20.74 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.495 min
Delta R.T.: -0.010 min
Response: 3506662
Conc: 20.76 ug/ml



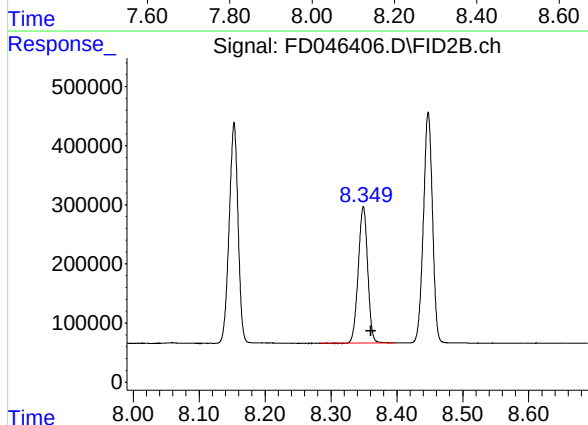
#5 Acenaphthylene (C15.06)

R.T.: 8.153 min
Delta R.T.: -0.012 min
Response: 3494415
Conc: 20.53 ug/ml

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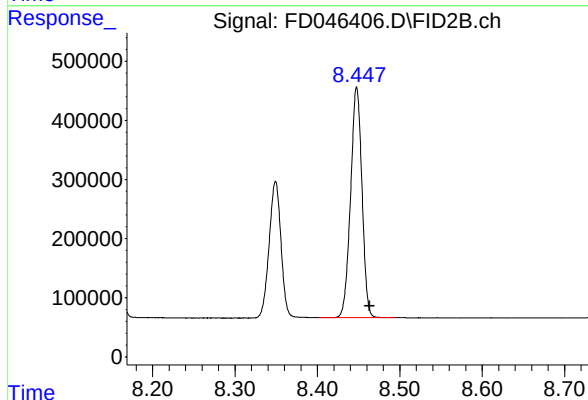
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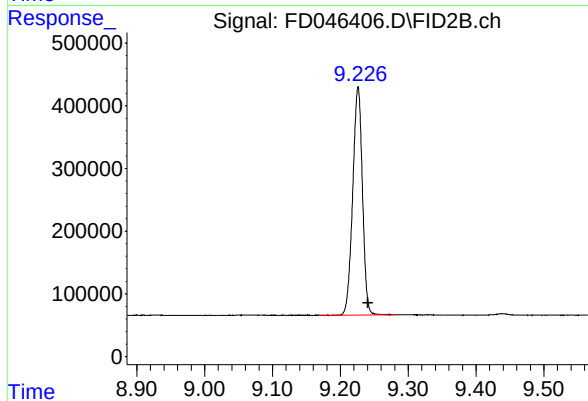
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.349 min
Delta R.T.: -0.012 min
Response: 2293162
Conc: 20.61 ug/ml



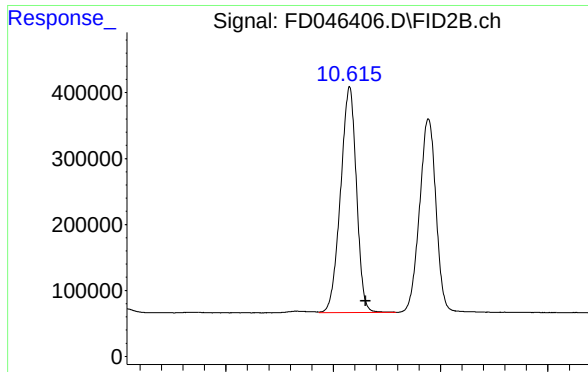
#7 Acenaphthene (C15.5)

R.T.: 8.448 min
Delta R.T.: -0.016 min
Response: 3734352
Conc: 20.73 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.226 min
Delta R.T.: -0.015 min
Response: 3614076
Conc: 20.66 ug/ml



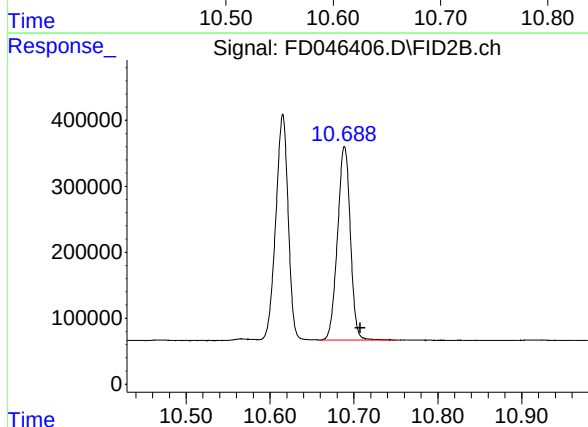
#9 Phenanthrene (C19.36)

R.T.: 10.615 min
Delta R.T.: -0.015 min
Response: 3522461
Conc: 20.53 ug/ml

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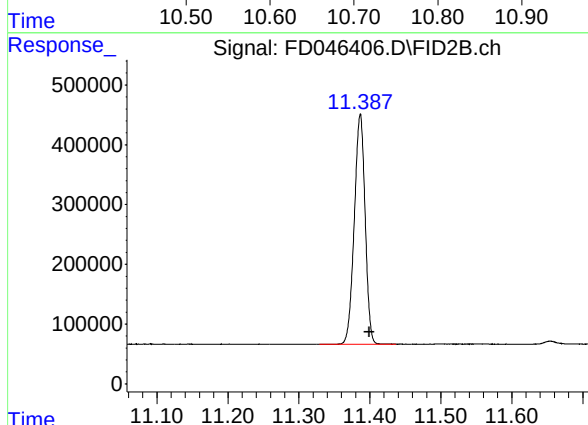
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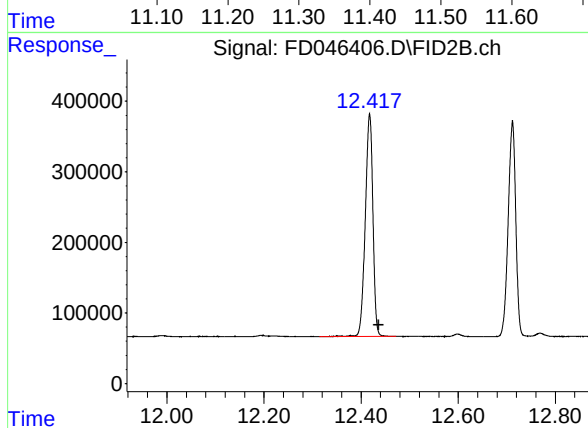
#10 Anthracene (C19.43)

R.T.: 10.689 min
Delta R.T.: -0.019 min
Response: 3133669
Conc: 18.58 ug/ml



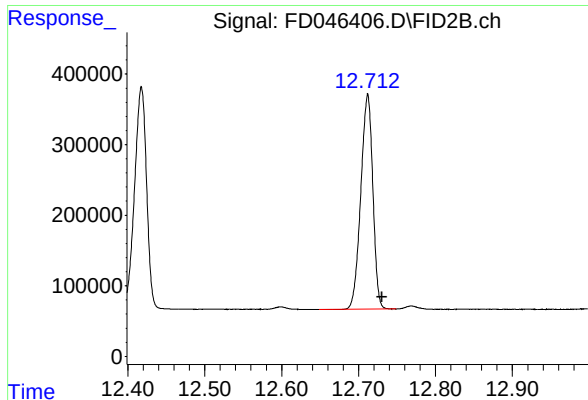
#11 ortho-Terphenyl (SURR)

R.T.: 11.386 min
Delta R.T.: -0.013 min
Response: 4076012
Conc: 20.78 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.417 min
Delta R.T.: -0.018 min
Response: 3446606
Conc: 20.72 ug/ml



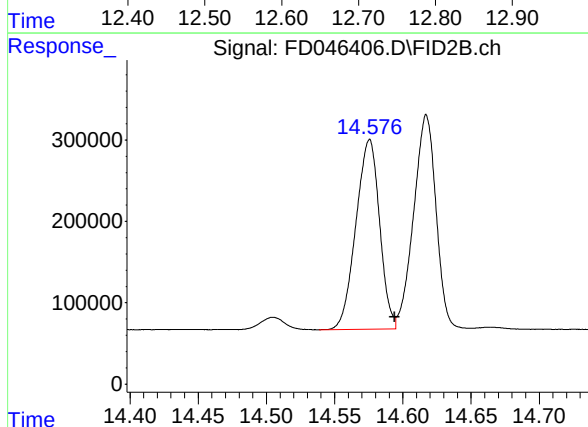
#13 Pyrene (C20.8)

R.T.: 12.712 min
Delta R.T.: -0.019 min
Response: 3306832
Conc: 20.52 ug/ml

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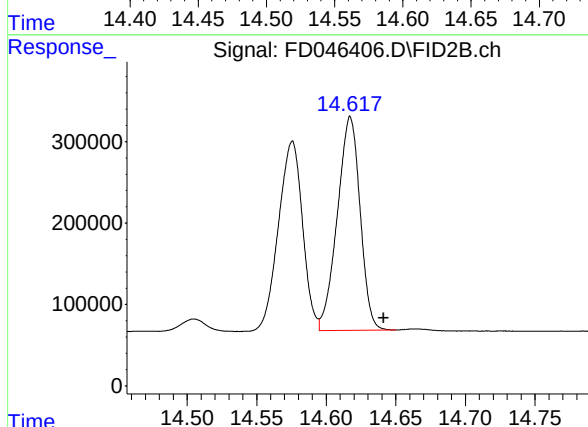
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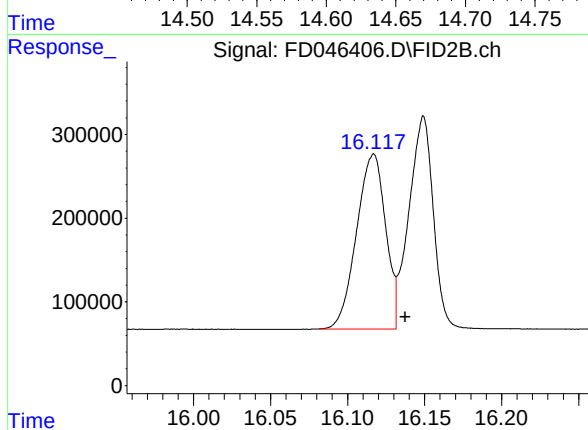
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.575 min
Delta R.T.: -0.019 min
Response: 2815052
Conc: 20.01 ug/ml



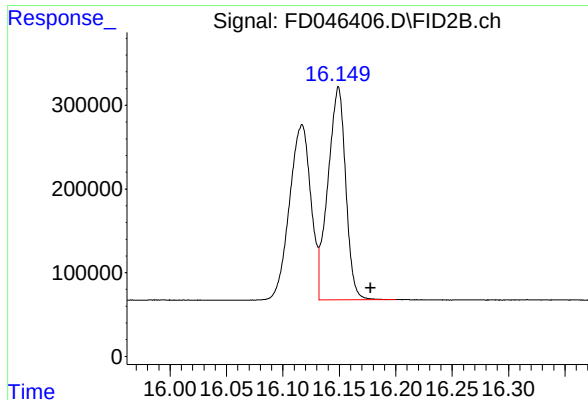
#15 Chrysene (C27.41)

R.T.: 14.617 min
Delta R.T.: -0.024 min
Response: 2992317
Conc: 20.17 ug/ml



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

R.T.: 16.117 min
Delta R.T.: -0.021 min
Response: 2733939
Conc: 20.12 ug/ml m



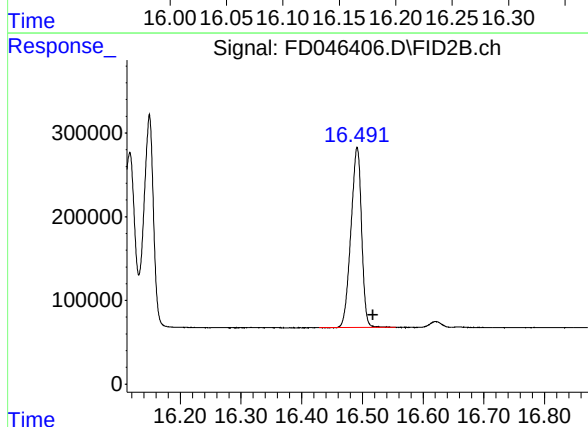
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.149 min
Delta R.T.: -0.029 min
Response: 2795087
Conc: 20.60 ug/ml

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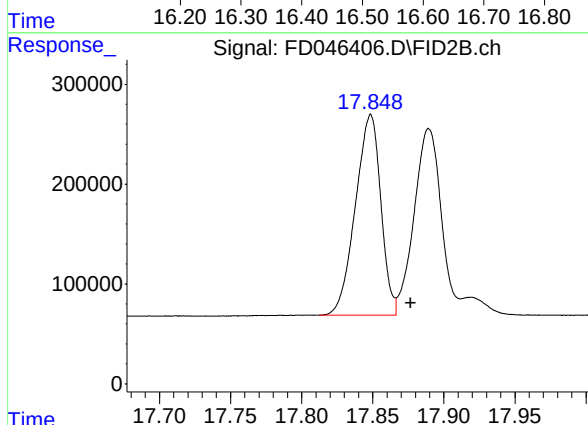
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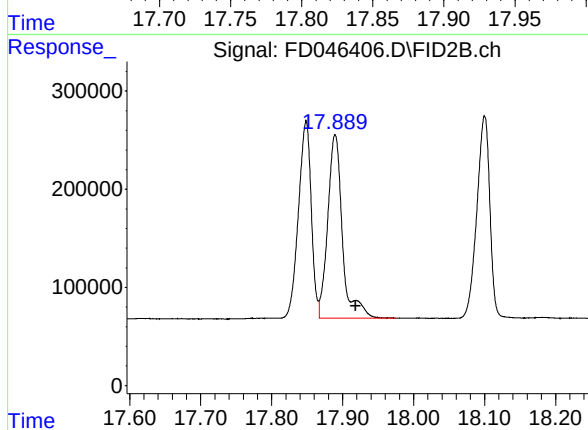
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.491 min
Delta R.T.: -0.026 min
Response: 2627499
Conc: 19.94 ug/ml



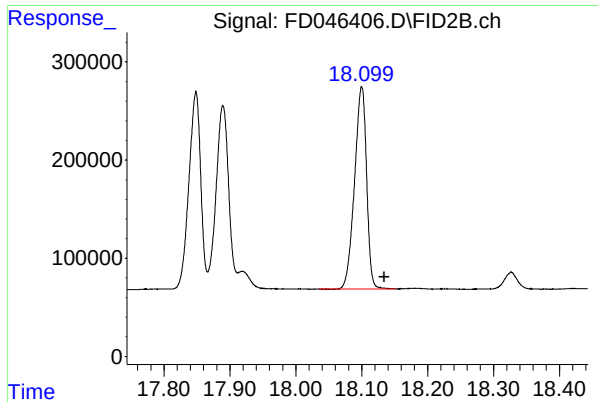
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.848 min
Delta R.T.: -0.028 min
Response: 2501103
Conc: 20.05 ug/ml m



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

R.T.: 17.889 min
Delta R.T.: -0.029 min
Response: 2693103
Conc: 21.49 ug/ml



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

R.T.: 18.100 min
Delta R.T.: -0.035 min
Response: 2619175
Conc: 20.42 ug/ml

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