

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD091323AR\
 Data File : FD046472.D
 Signal(s) : FID2B.ch
 Acq On : 13 Sep 2023 19:36
 Operator : YP/AJ
 Sample : 04392-01MS
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :

FID_D

ClientSampleId :

WASTEMS

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :Ankita Jodhani 09/14/2023

Integration File: autoint1.e

Quant Time: Sep 14 02:59:22 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...	7.509	5675275	33.604 ug/mlm
Spiked Amount 50.000		Recovery =	67.21%
6) S 2-Fluorobiphenyl (SURR)	8.368	101379589	910.950 ug/mlm
Spiked Amount 50.000 Range 0 - 131		Recovery =	1821.90%#
11) S ortho-Terphenyl (SURR)	11.398	13448244	68.569 ug/mlm
Spiked Amount 50.000		Recovery =	137.14%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.322	41009374	233.376 ug/ml
2) T Naphthalene (C11.7)	5.846	25840544	140.203 ug/mlm
3) T 2-Methylnaphthalene (...)	6.954f	79537133	428.371 ug/mlm
5) T Acenaphthylene (C15.06)	8.162	159491686	937.205 ug/mlm
7) T Acenaphthene (C15.5)	8.495	8472673	47.029 ug/mlm
8) T Flouorene (C16.55)	9.286	167378678	957.031 ug/mlm
9) T Phenanthrene (C19.36)	10.630	8445502	49.223 ug/mlm
10) T Anthracene (C19.43)	10.763	88478708	524.487 ug/mlm
12) T Fluoranthene (C21.85)	12.451	46927815	282.069 ug/mlm
13) T Pyrene (C20.8)	12.764	4305660	26.714 ug/mlm
14) T Benzo[a]anthracene (C...	14.613	8907485	63.314 ug/mlm
15) T Chrysene (C27.41)	14.655	9403864	63.397 ug/mlm
16) T benzo[b]fluoranthene ...	16.134	7908344	58.201 ug/ml
17) T Bnezo[k]fluoranthene ...	16.167	7777191	57.327 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.506	7293900	55.357 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.861	7438296	59.633 ug/ml
20) T Dibenz[a,h]anthracene...	17.901	6982813	55.726 ug/ml
21) T Benzo[g,h,i]perylene ...	18.114	6945411	54.159 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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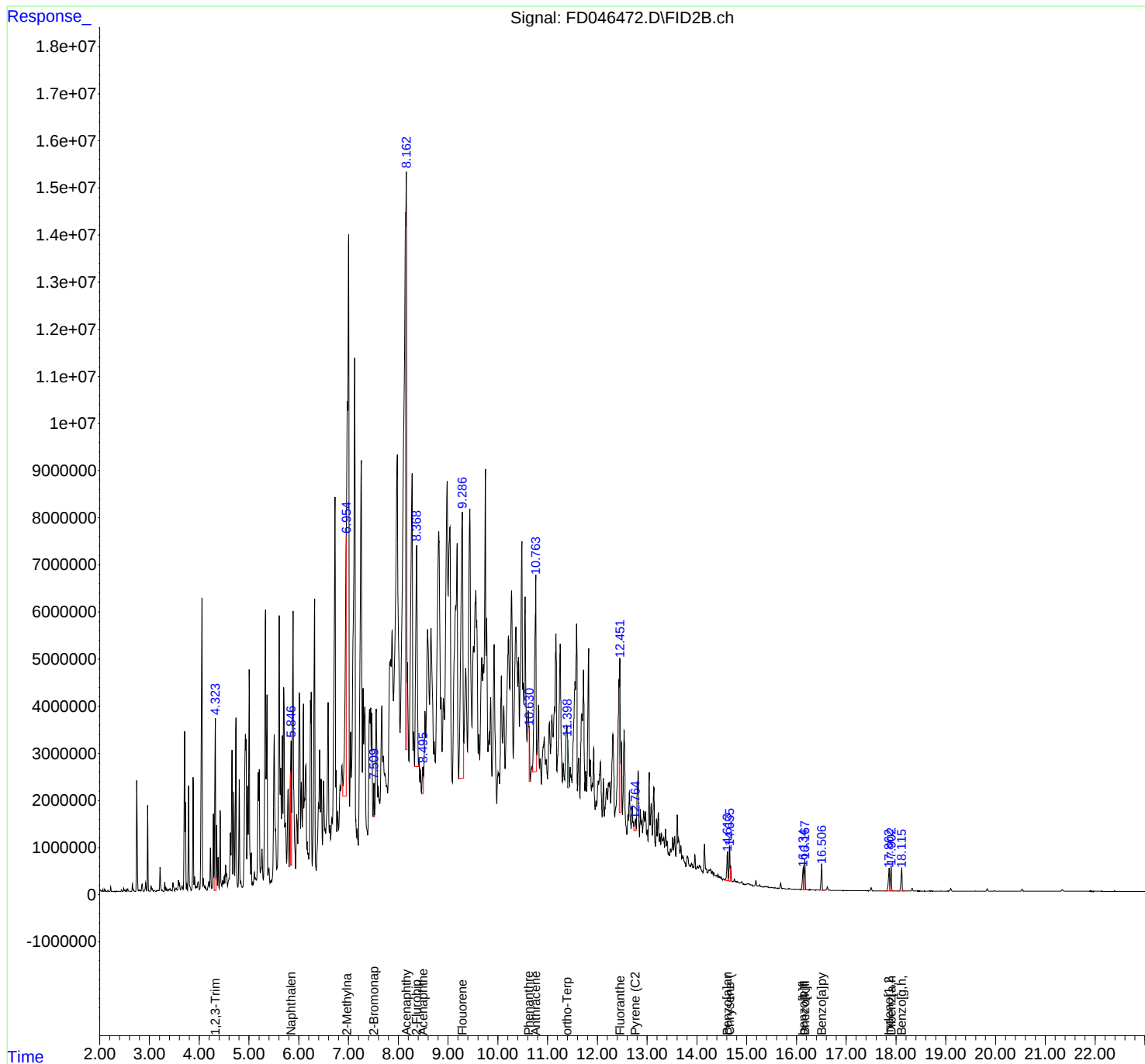
Response via : Initial Calibration

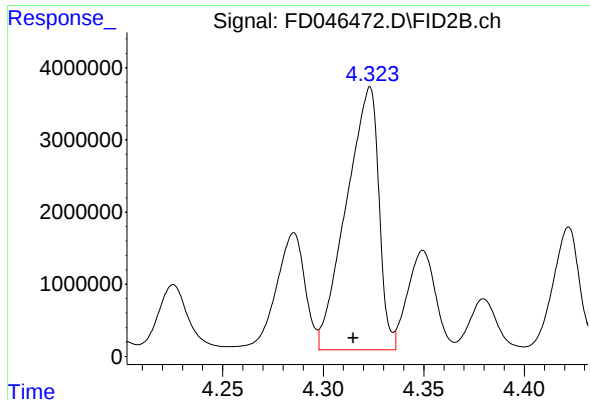
Integrator: ChemStation

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Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18µm





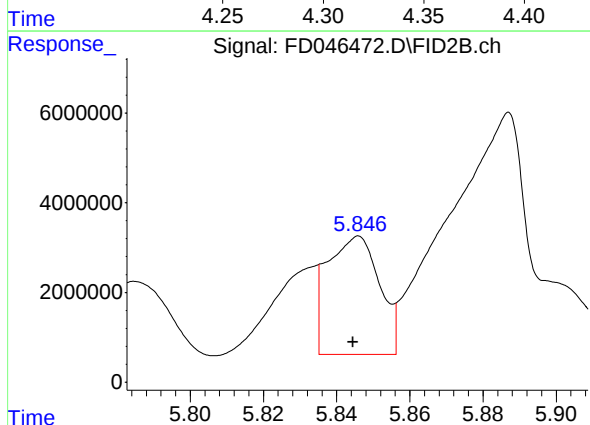
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.322 min
Delta R.T.: 0.007 min
Response: 41009374
Conc: 233.38 ug/ml

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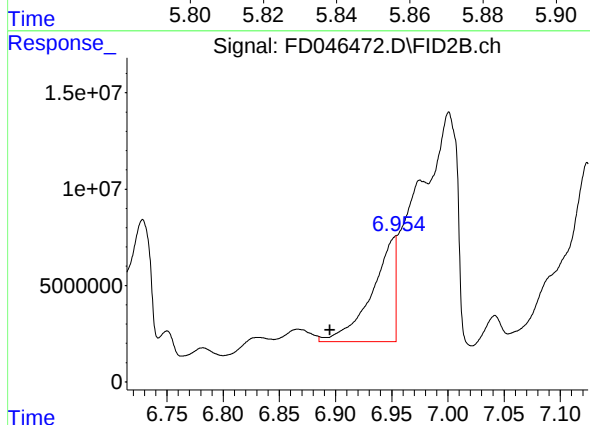
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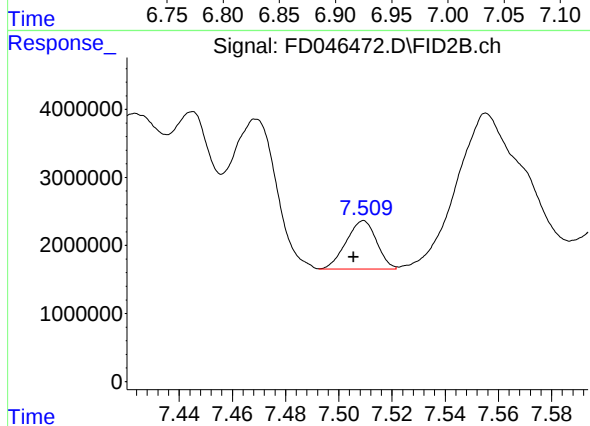
#2 Naphthalene (C11.7)

R.T.: 5.846 min
Delta R.T.: 0.001 min
Response: 25840544
Conc: 140.20 ug/ml m



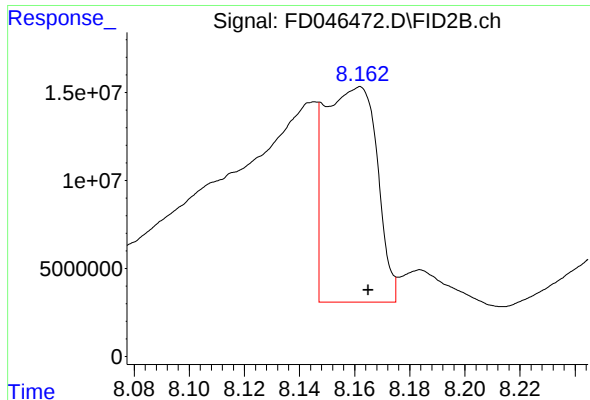
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.954 min
Delta R.T.: 0.059 min
Response: 79537133
Conc: 428.37 ug/ml m



#4 2-Bromonaphthalene (SURR)

R.T.: 7.509 min
Delta R.T.: 0.004 min
Response: 5675275
Conc: 33.60 ug/ml m



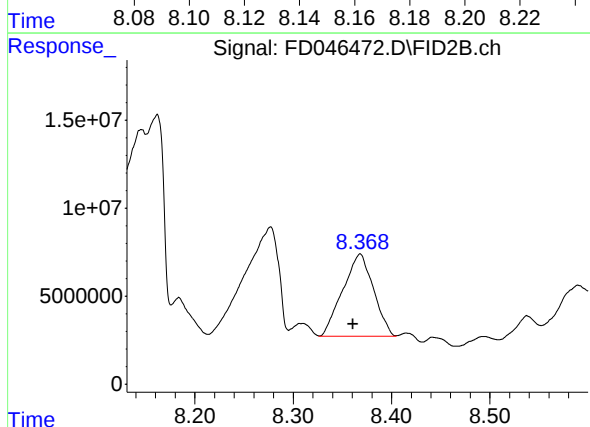
#5 Acenaphthylene (C15.06)

R.T.: 8.162 min
Delta R.T.: -0.003 min
Response: 159491686
Conc: 937.21 ug/ml

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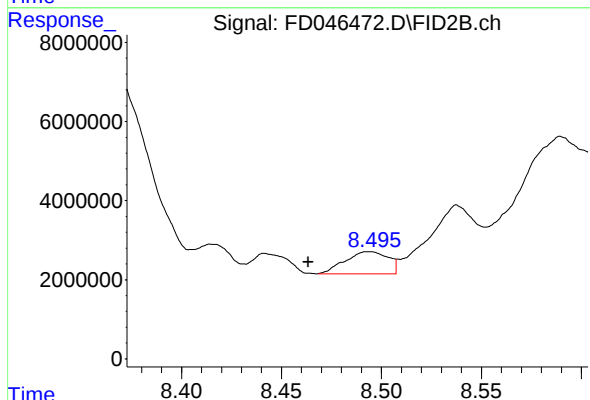
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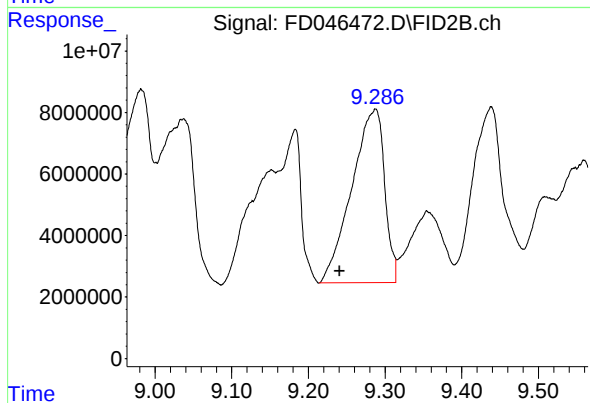
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.368 min
Delta R.T.: 0.007 min
Response: 101379589
Conc: 910.95 ug/ml



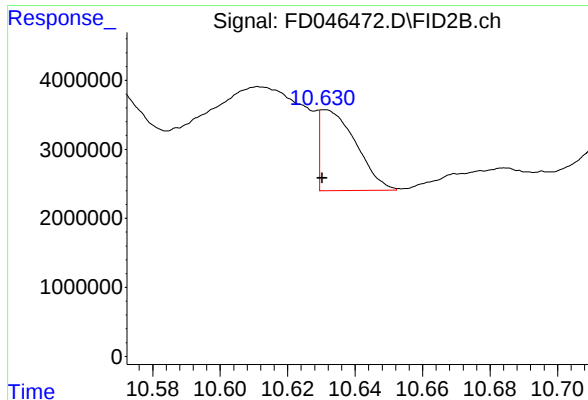
#7 Acenaphthene (C15.5)

R.T.: 8.495 min
Delta R.T.: 0.032 min
Response: 8472673
Conc: 47.03 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.286 min
Delta R.T.: 0.046 min
Response: 167378678
Conc: 957.03 ug/ml



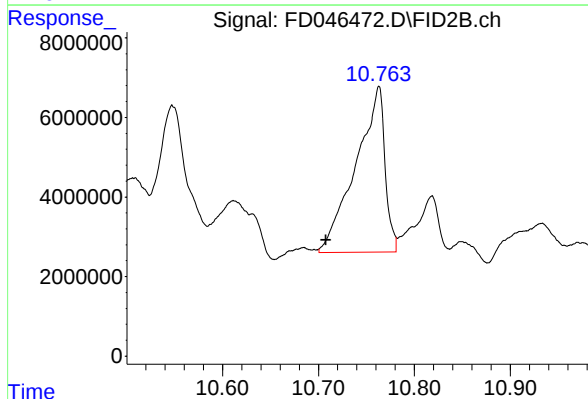
#9 Phenanthrene (C19.36)

R.T.: 10.630 min
Delta R.T.: 0.000 min
Response: 8445502
Conc: 49.22 ug/ml

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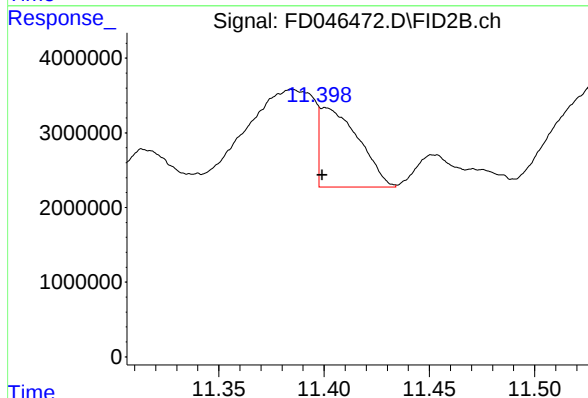
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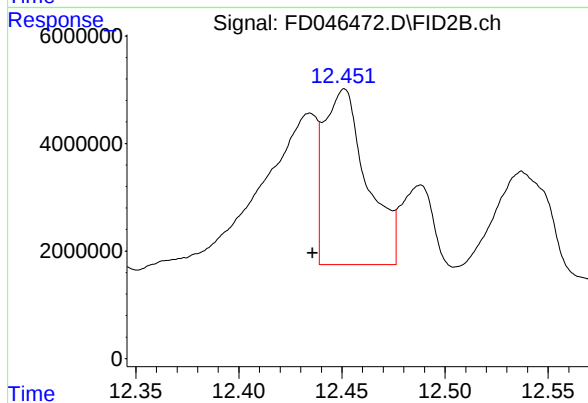
#10 Anthracene (C19.43)

R.T.: 10.763 min
Delta R.T.: 0.055 min
Response: 88478708
Conc: 524.49 ug/ml m



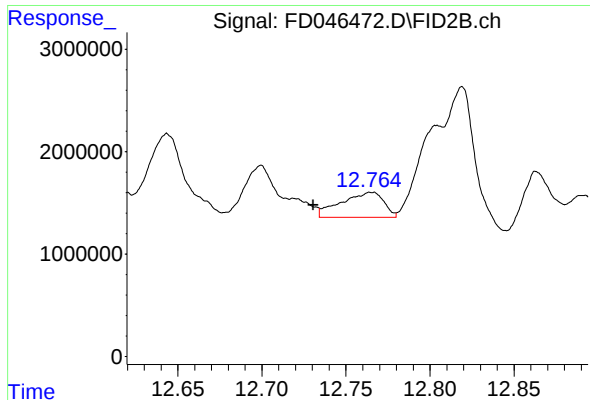
#11 ortho-Terphenyl (SURR)

R.T.: 11.398 min
Delta R.T.: -0.002 min
Response: 13448244
Conc: 68.57 ug/ml m



#12 Fluoranthene (C21.85)

R.T.: 12.451 min
Delta R.T.: 0.015 min
Response: 46927815
Conc: 282.07 ug/ml m



#13 Pyrene (C20.8)

R.T.: 12.764 min
Delta R.T.: 0.033 min
Response: 4305660
Conc: 26.71 ug/ml

Instrument :

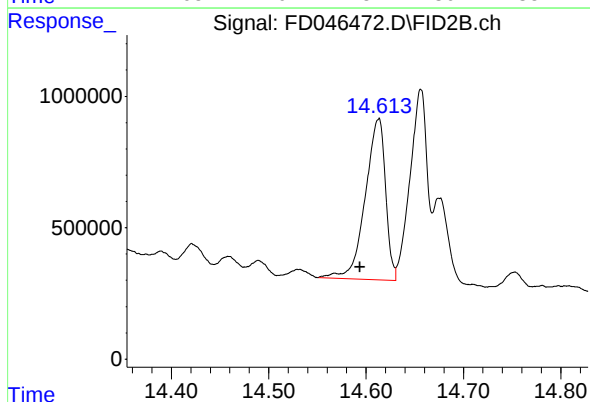
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ClientSampleId :

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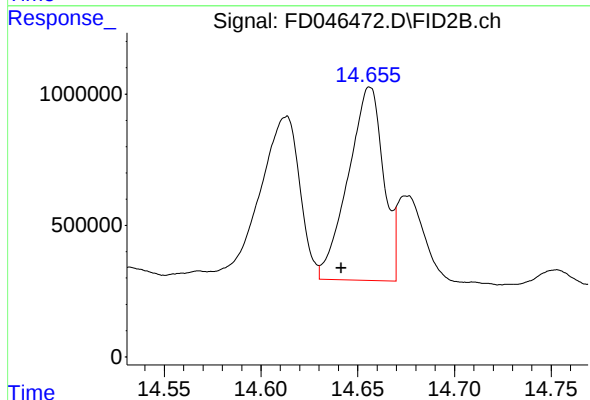
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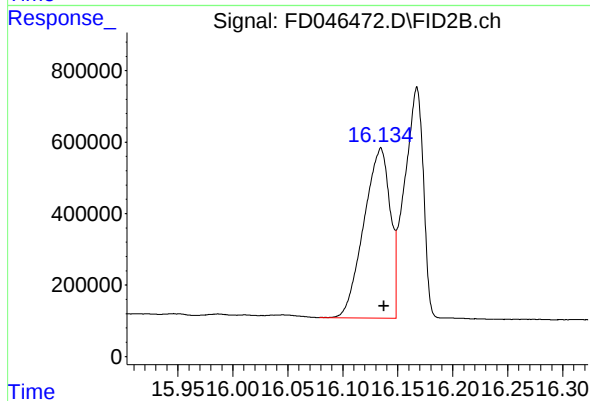
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.613 min
Delta R.T.: 0.020 min
Response: 8907485
Conc: 63.31 ug/ml m



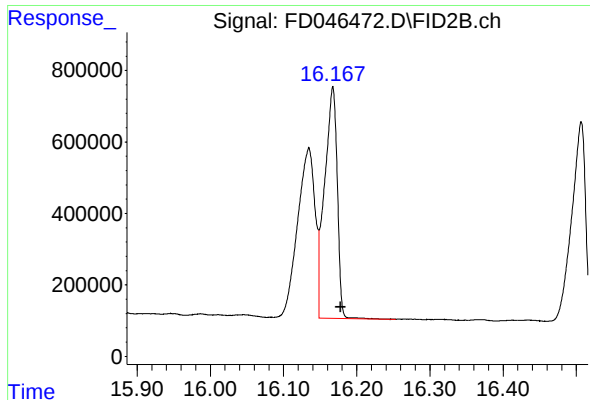
#15 Chrysene (C27.41)

R.T.: 14.655 min
Delta R.T.: 0.014 min
Response: 9403864
Conc: 63.40 ug/ml m



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

R.T.: 16.134 min
Delta R.T.: -0.003 min
Response: 7908344
Conc: 58.20 ug/ml



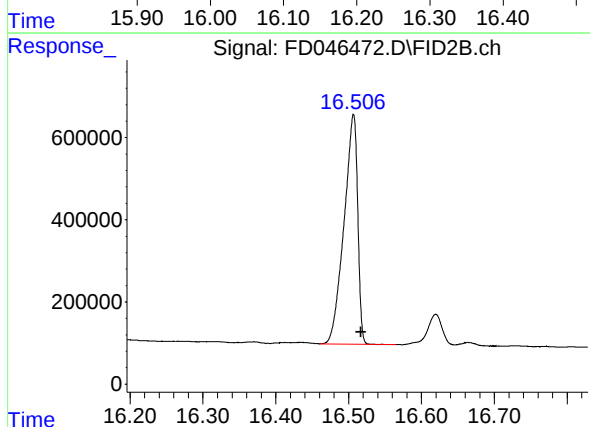
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.167 min
Delta R.T.: -0.011 min
Response: 7777191
Conc: 57.33 ug/ml

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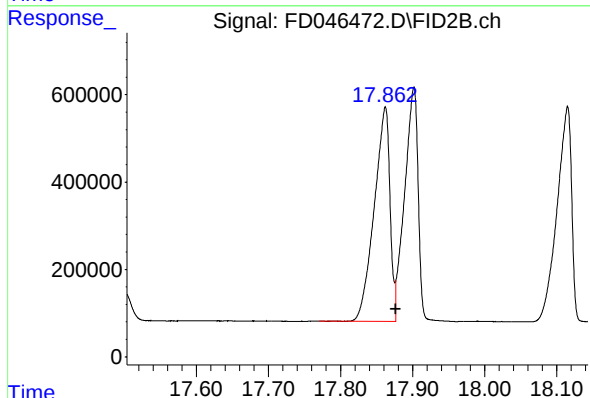
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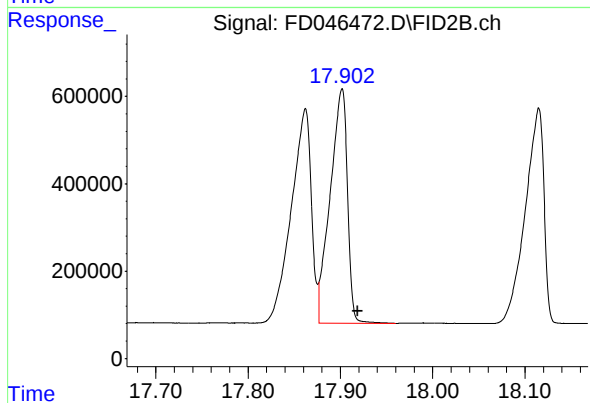
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.506 min
Delta R.T.: -0.011 min
Response: 7293900
Conc: 55.36 ug/ml



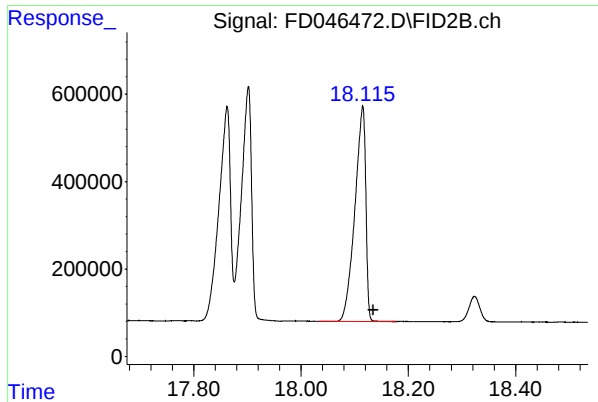
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.861 min
Delta R.T.: -0.015 min
Response: 7438296
Conc: 59.63 ug/ml



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

R.T.: 17.901 min
Delta R.T.: -0.017 min
Response: 6982813
Conc: 55.73 ug/ml



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

R.T.: 18.114 min
Delta R.T.: -0.020 min
Response: 6945411
Conc: 54.16 ug/ml

Instrument :

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