

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102224AR\
 Data File : FG014485.D
 Signal(s) : FID1A.ch
 Acq On : 22 Oct 2024 11:24
 Operator : YP\AJ
 Sample : P4368-01
 Misc : 4 PPM SOIL LOD
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/23/2024
 Supervised By :Ankita Jodhani 10/23/2024

Integration File: autoint1.e
 Quant Time: Oct 23 02:42:44 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:38:07 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...	8.036	7388799	58.858 ug/ml
Spiked Amount 50.000		Recovery =	117.72%
6) S 2-Fluorobiphenyl (SURR)	8.911	4432899	51.465 ug/ml
Spiked Amount 50.000 Range 0 - 130		Recovery =	102.93%
11) S ortho-Terphenyl (SURR)	11.985	7632767	51.553 ug/ml
Spiked Amount 50.000		Recovery =	103.11%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.636	455029	3.358 ug/ml
2) T Naphthalene (C11.7)	6.307	537836	3.748 ug/mlm
3) T 2-Methylnaphthalene (...)	7.405	574550	3.934 ug/ml
5) T Acenaphthylene (C15.06)	8.708	575706	3.954 ug/mlm
7) T Acenaphthene (C15.5)	9.009	554891	3.834 ug/ml
8) T Flouorene (C16.55)	9.797	587960	4.058 ug/mlm
9) T Phenanthrene (C19.36)	11.206	594183	4.037 ug/ml
10) T Anthracene (C19.43)	11.280	597333	4.260 ug/ml
12) T Fluoranthene (C21.85)	13.028	630066	4.260 ug/ml
13) T Pyrene (C20.8)	13.326	632933	4.305 ug/mlm
14) T Benzo[a]anthracene (C...	15.207	669412	4.622 ug/ml
15) T Chrysene (C27.41)	15.247	822505	5.607 ug/ml
16) T benzo[b]fluoranthene ...	16.763	619331	4.211 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.787	1321272	9.574 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.141	623422	4.371 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.508	622057	4.661 ug/mlm
20) T Dibenz[a,h]anthracene...	18.555	1416291	10.149 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.763	598700	4.303 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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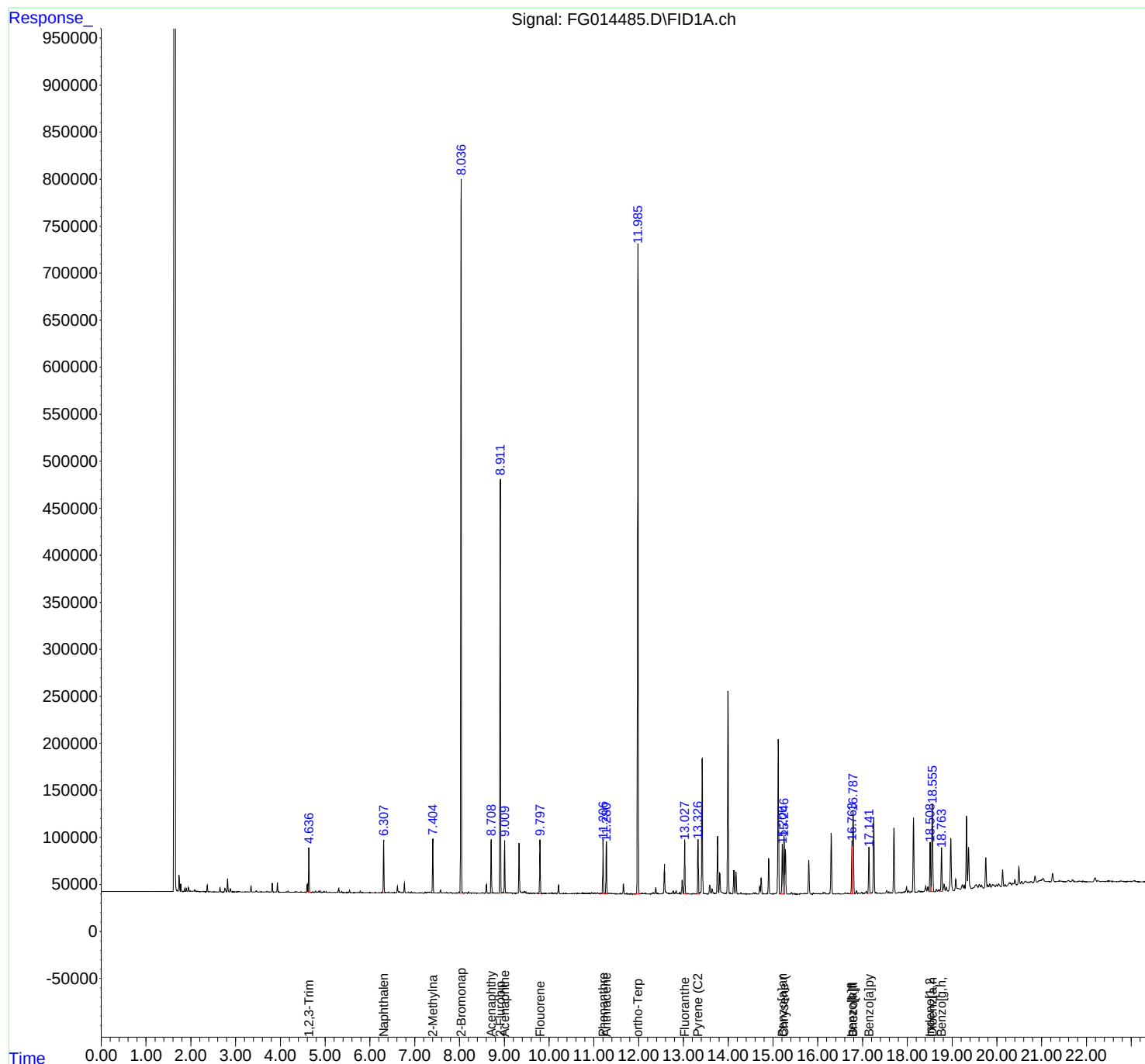
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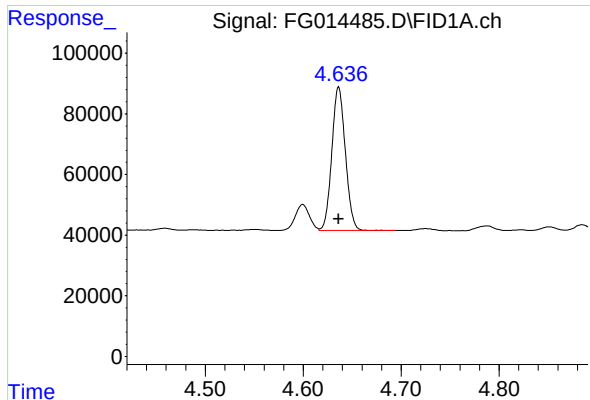
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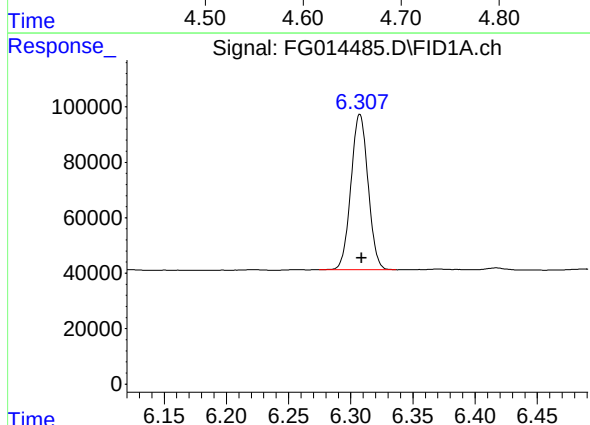
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 455029
Conc: 3.36 ug/ml

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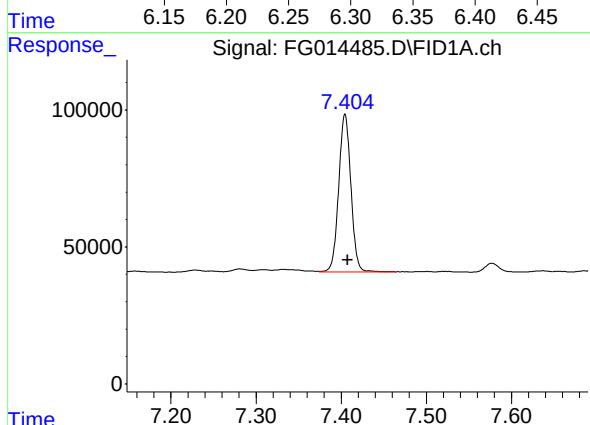
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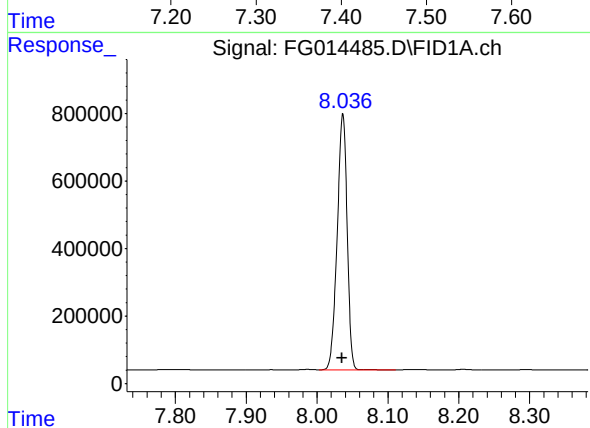
#2 Naphthalene (C11.7)

R.T.: 6.307 min
Delta R.T.: -0.002 min
Response: 537836
Conc: 3.75 ug/ml m



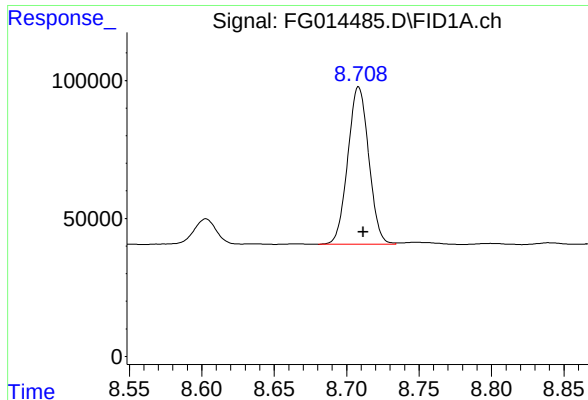
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.405 min
Delta R.T.: -0.003 min
Response: 574550
Conc: 3.93 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.036 min
Delta R.T.: 0.000 min
Response: 7388799
Conc: 58.86 ug/ml



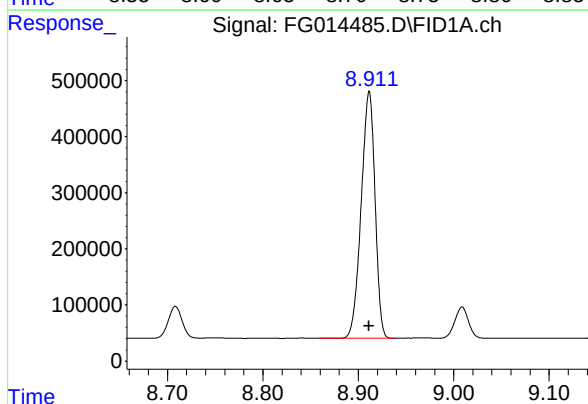
#5 Acenaphthylene (C15.06)

R.T.: 8.708 min
Delta R.T.: -0.004 min
Response: 575706
Conc: 3.95 ug/ml

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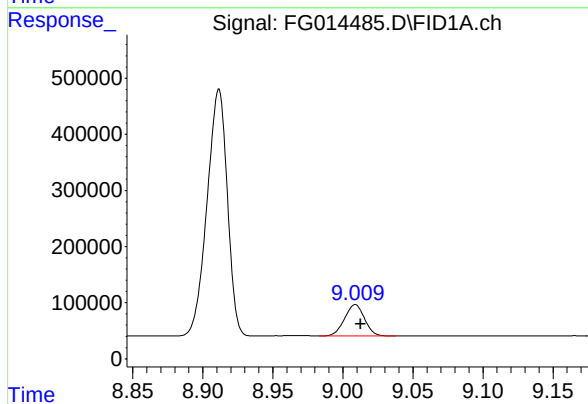
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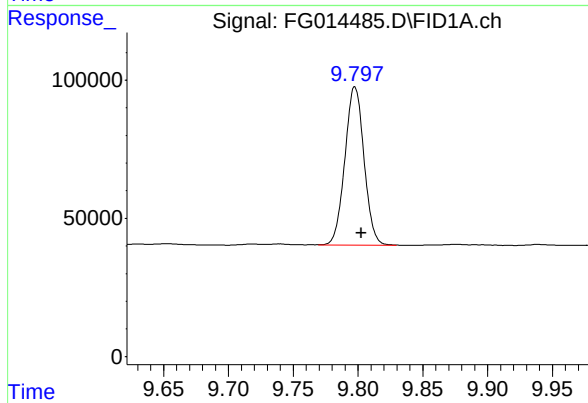
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.911 min
Delta R.T.: 0.000 min
Response: 4432899
Conc: 51.46 ug/ml



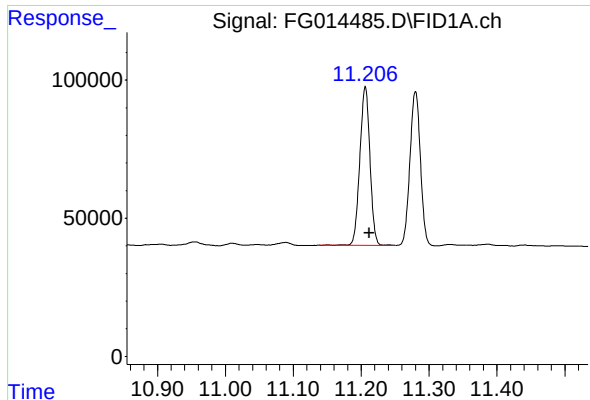
#7 Acenaphthene (C15.5)

R.T.: 9.009 min
Delta R.T.: -0.004 min
Response: 554891
Conc: 3.83 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.797 min
Delta R.T.: -0.006 min
Response: 587960
Conc: 4.06 ug/ml m



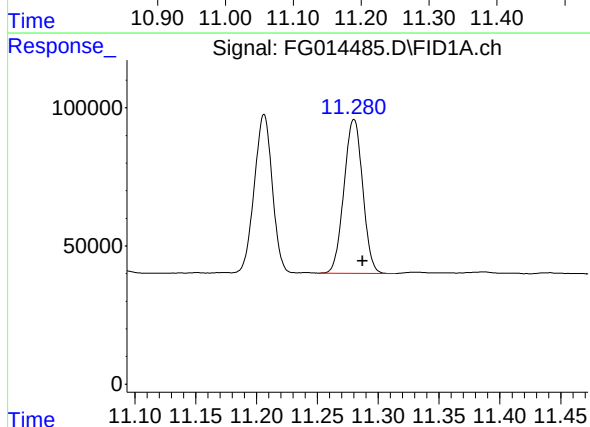
#9 Phenanthrene (C19.36)

R.T.: 11.206 min
Delta R.T.: -0.006 min
Response: 594183
Conc: 4.04 ug/ml

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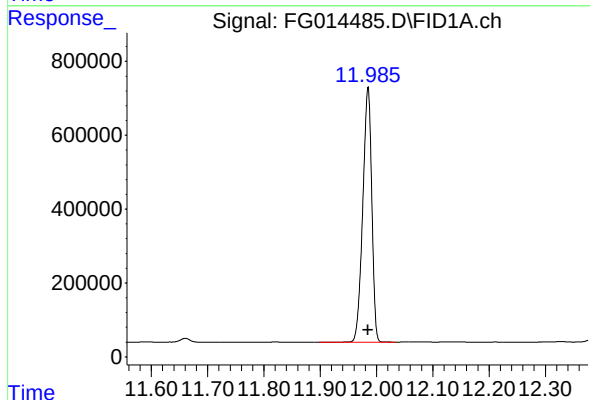
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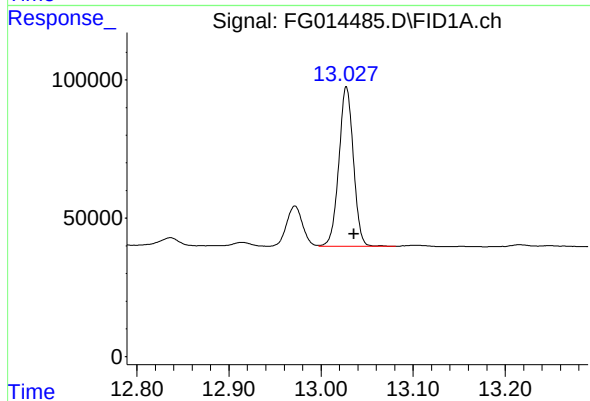
#10 Anthracene (C19.43)

R.T.: 11.280 min
Delta R.T.: -0.007 min
Response: 597333
Conc: 4.26 ug/ml



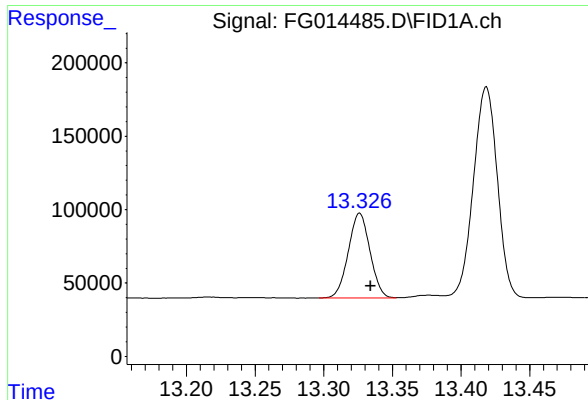
#11 ortho-Terphenyl (SURRE)

R.T.: 11.985 min
Delta R.T.: 0.000 min
Response: 7632767
Conc: 51.55 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.028 min
Delta R.T.: -0.008 min
Response: 630066
Conc: 4.26 ug/ml



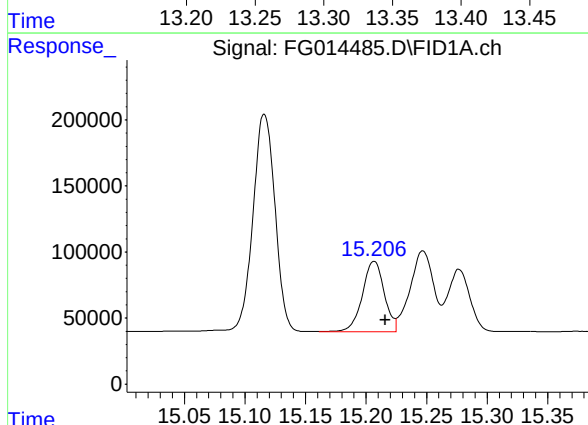
#13 Pyrene (C20.8)

R.T.: 13.326 min
Delta R.T.: -0.008 min
Response: 632933
Conc: 4.31 ug/ml

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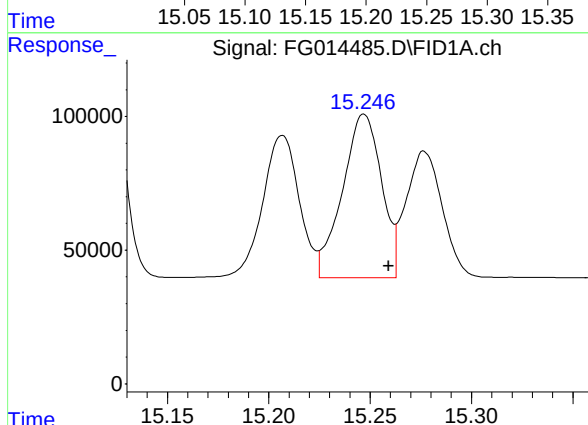
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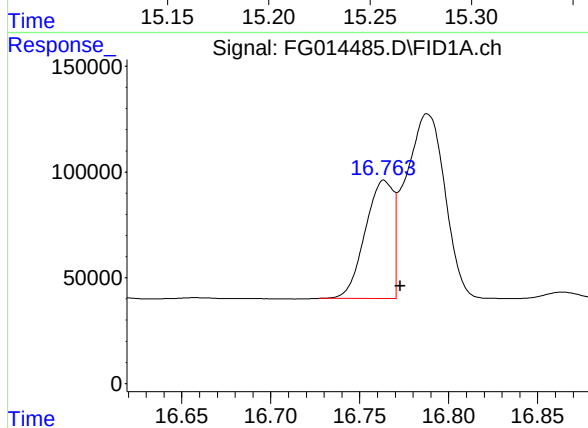
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.207 min
Delta R.T.: -0.009 min
Response: 669412
Conc: 4.62 ug/ml



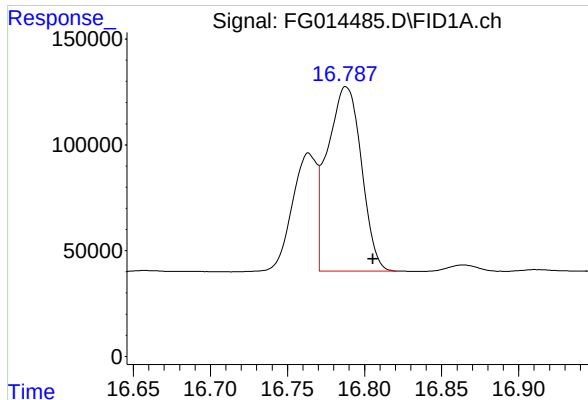
#15 Chrysene (C27.41)

R.T.: 15.247 min
Delta R.T.: -0.012 min
Response: 822505
Conc: 5.61 ug/ml



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

R.T.: 16.763 min
Delta R.T.: -0.010 min
Response: 619331
Conc: 4.21 ug/ml m



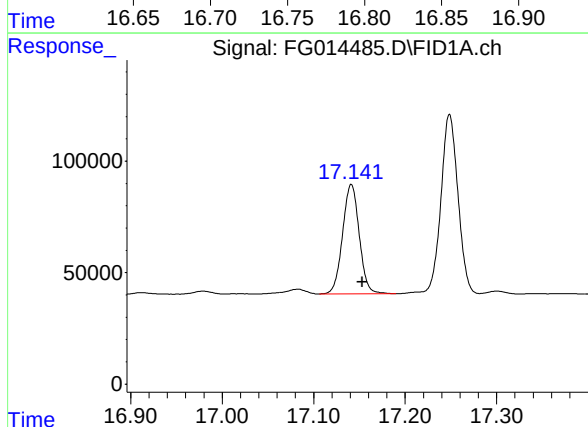
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.787 min
Delta R.T.: -0.018 min
Response: 1321272
Conc: 9.57 ug/ml

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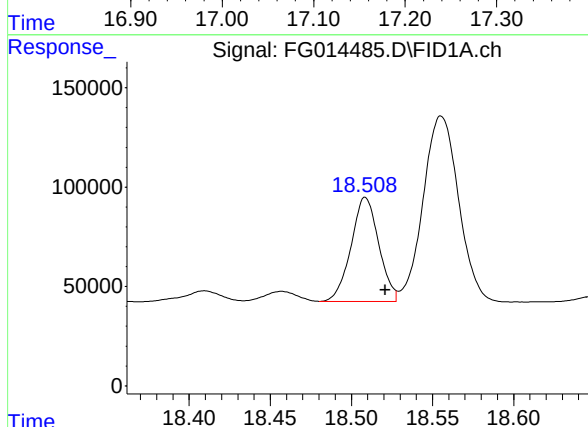
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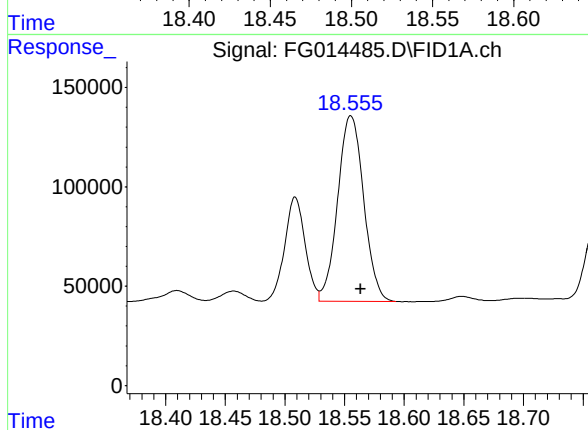
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.141 min
Delta R.T.: -0.012 min
Response: 623422
Conc: 4.37 ug/ml



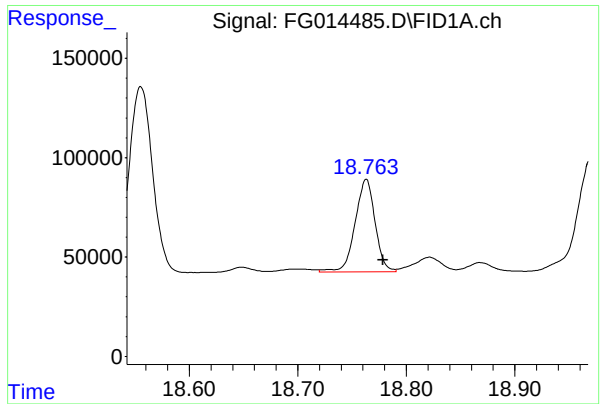
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.508 min
Delta R.T.: -0.013 min
Response: 622057
Conc: 4.66 ug/ml m



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

R.T.: 18.555 min
Delta R.T.: -0.009 min
Response: 1416291
Conc: 10.15 ug/ml m



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

R.T.: 18.763 min
Delta R.T.: -0.016 min
Response: 598700
Conc: 4.30 ug/ml

Instrument :

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