

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG103024AR\
 Data File : FG014594.D
 Signal(s) : FID1A.ch
 Acq On : 31 Oct 2024 02:07
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2024
 Supervised By :Ankita Jodhani 11/04/2024

Integration File: autoint1.e
 Quant Time: Oct 31 06:46:15 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...	8.011	2505874	19.962 ug/ml
Spiked Amount 50.000		Recovery =	39.92%
6) S 2-Fluorobiphenyl (SURR)	8.885	1710317	19.856 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.71%
11) S ortho-Terphenyl (SURR)	11.957	2877954	19.438 ug/ml
Spiked Amount 50.000		Recovery =	38.88%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.617	2770005	20.445 ug/ml
2) T Naphthalene (C11.7)	6.286	2918405	20.337 ug/ml
3) T 2-Methylnaphthalene (...)	7.383	2952058	20.213 ug/ml
5) T Acenaphthylene (C15.06)	8.687	2892325	19.866 ug/ml
7) T Acenaphthene (C15.5)	8.987	2891615	19.981 ug/ml
8) T Fluorene (C16.55)	9.776	2855125	19.708 ug/ml
9) T Phenanthrene (C19.36)	11.184	2868731	19.490 ug/ml
10) T Anthracene (C19.43)	11.259	2692178	19.198 ug/ml
12) T Fluoranthene (C21.85)	13.006	2833075	19.156 ug/ml
13) T Pyrene (C20.8)	13.306	2808691	19.104 ug/ml
14) T Benzo[a]anthracene (C...	15.186	2672629	18.455 ug/mlm
15) T Chrysene (C27.41)	15.228	2704509	18.438 ug/ml
16) T benzo[b]fluoranthene ...	16.741	2649451	18.014 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.774	2505526	18.155 ug/ml
18) T Benzo[a]pyrene (C31.34)	17.122	2587400	18.143 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.490	2364111	17.712 ug/mlm
20) T Dibenz[a,h]anthracene...	18.532	2488476	17.832 ug/ml
21) T Benzo[g,h,i]perylene ...	18.748	2516404	18.087 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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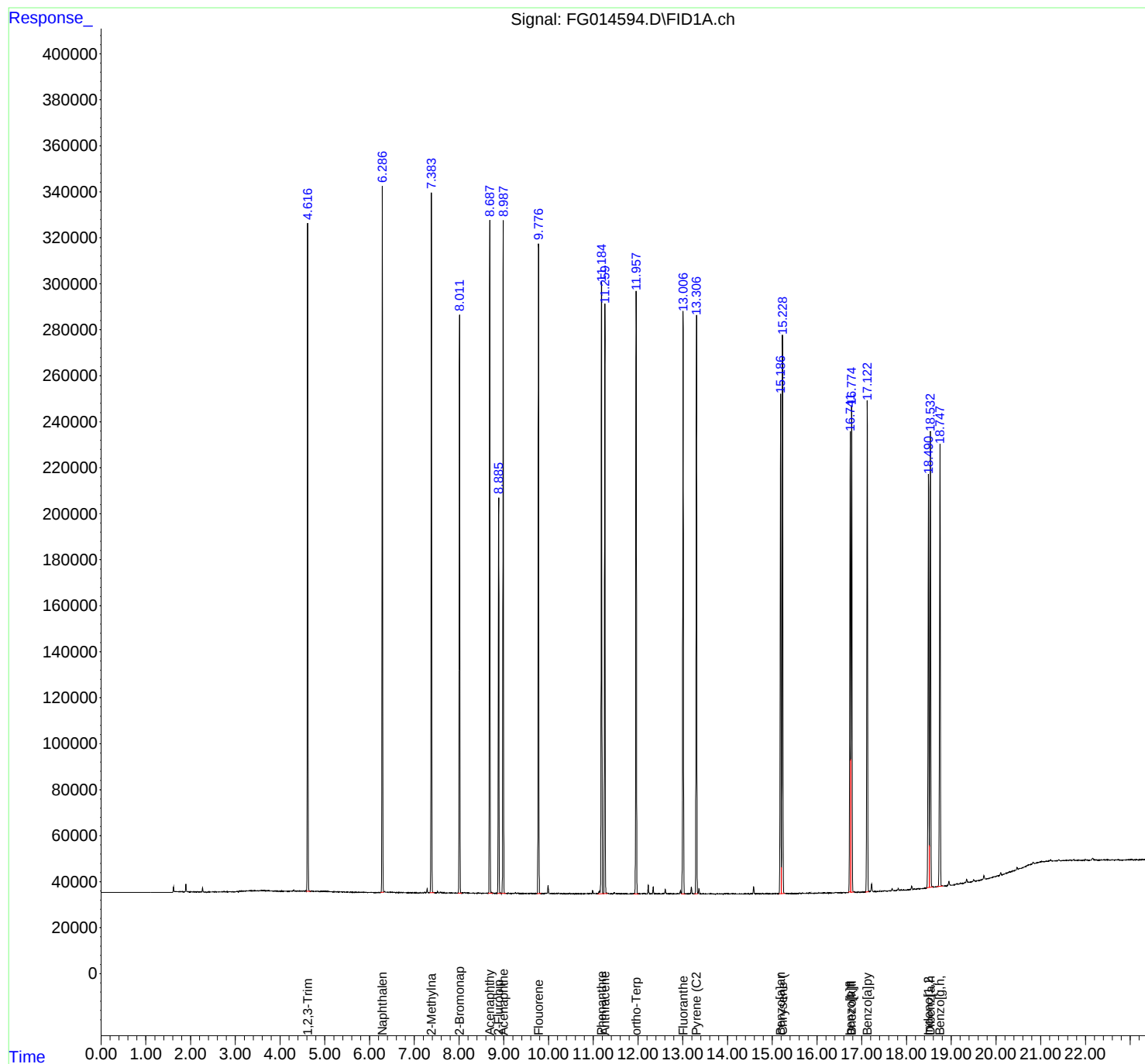
Instrument :
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20 PPM AROMATIC HC STD

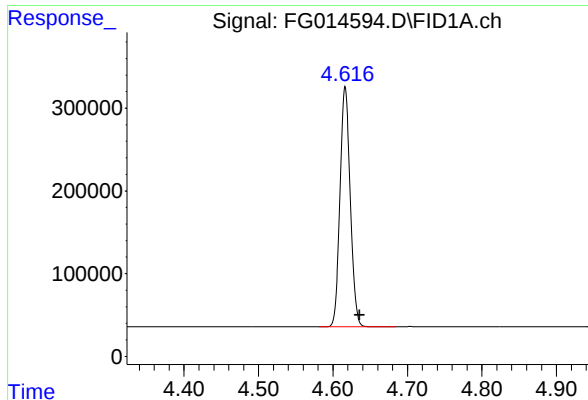
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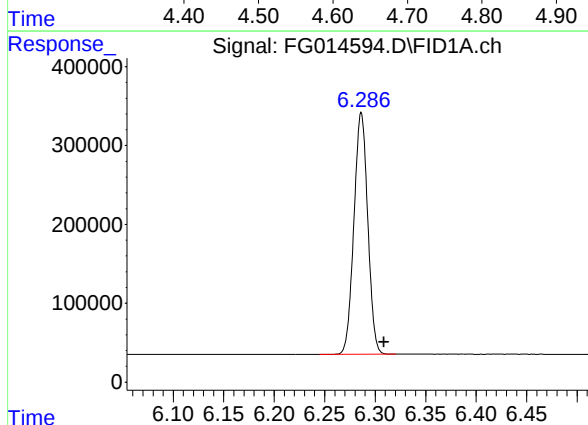
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.617 min
Delta R.T.: -0.019 min
Response: 2770005
Conc: 20.44 ug/ml

Instrument :
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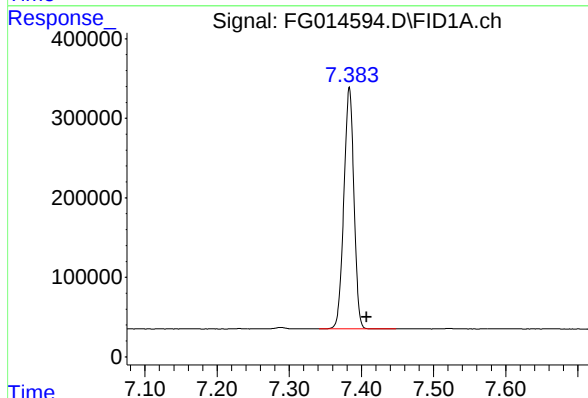
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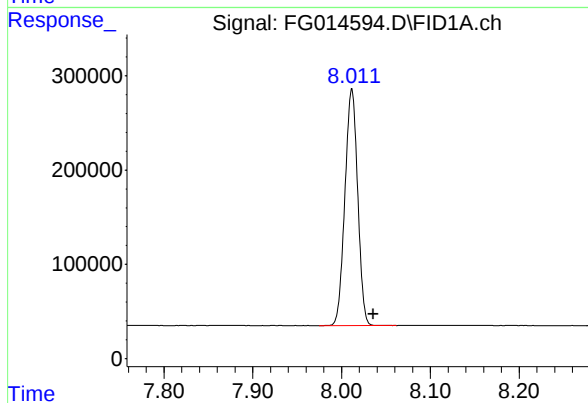
#2 Naphthalene (C11.7)

R.T.: 6.286 min
Delta R.T.: -0.023 min
Response: 2918405
Conc: 20.34 ug/ml



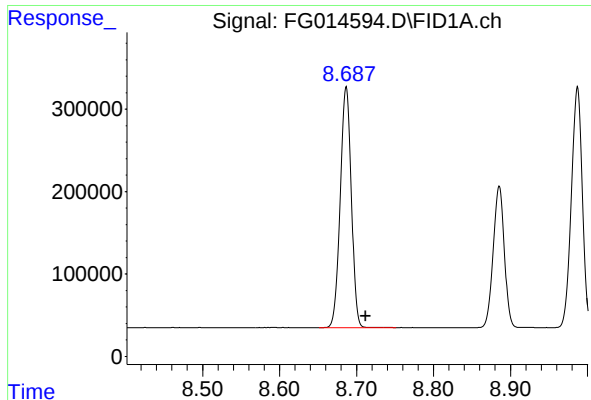
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.383 min
Delta R.T.: -0.024 min
Response: 2952058
Conc: 20.21 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.011 min
Delta R.T.: -0.024 min
Response: 2505874
Conc: 19.96 ug/ml



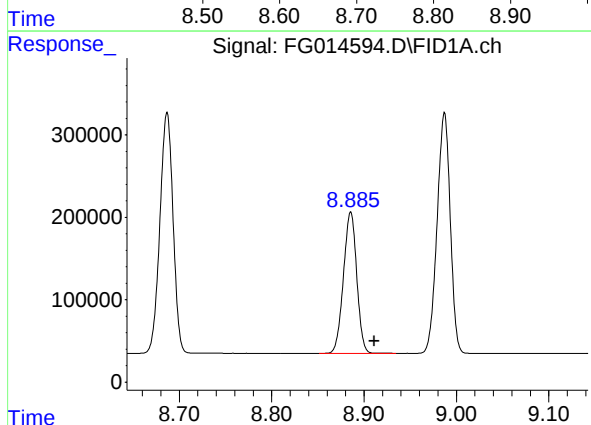
#5 Acenaphthylene (C15.06)

R.T.: 8.687 min
Delta R.T.: -0.025 min
Response: 2892325
Conc: 19.87 ug/ml

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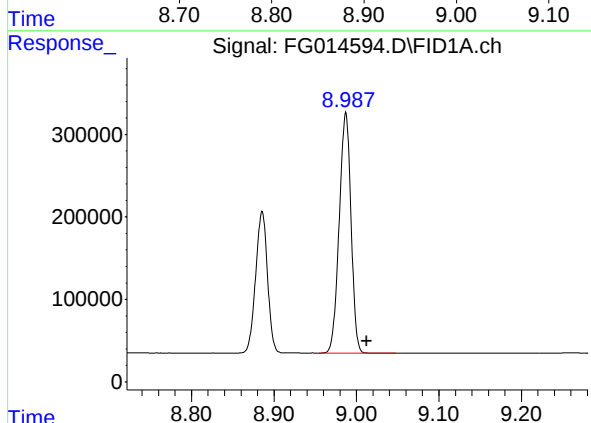
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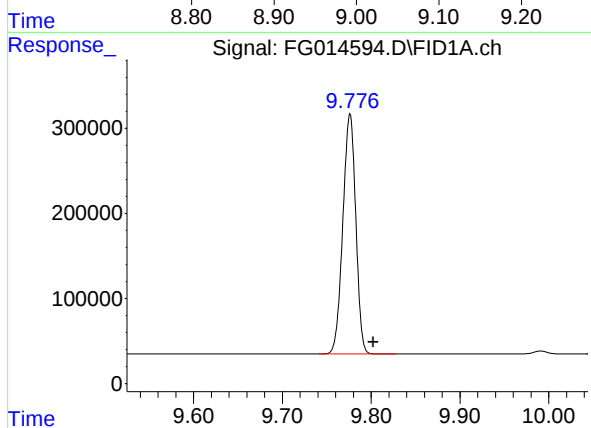
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.885 min
Delta R.T.: -0.026 min
Response: 1710317
Conc: 19.86 ug/ml



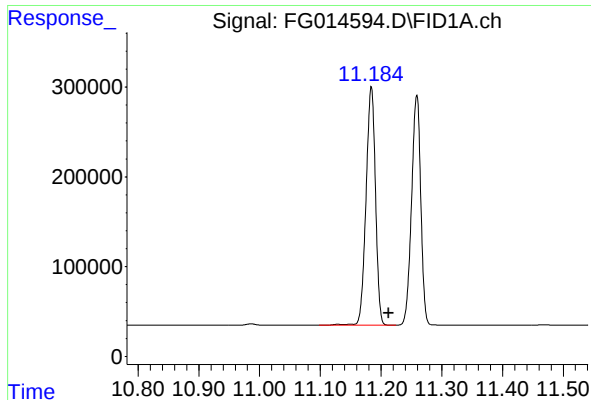
#7 Acenaphthene (C15.5)

R.T.: 8.987 min
Delta R.T.: -0.026 min
Response: 2891615
Conc: 19.98 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.776 min
Delta R.T.: -0.027 min
Response: 2855125
Conc: 19.71 ug/ml



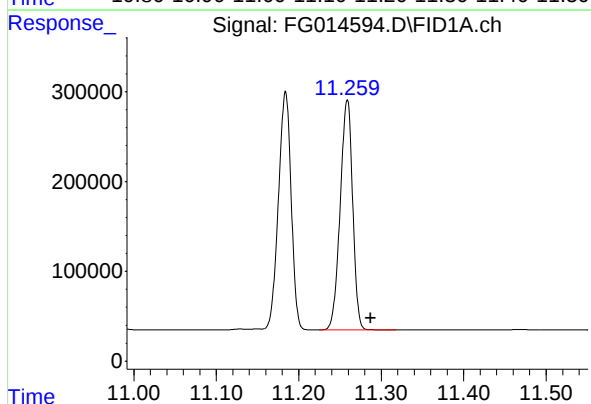
#9 Phenanthrene (C19.36)

R.T.: 11.184 min
Delta R.T.: -0.028 min
Response: 2868731
Conc: 19.49 ug/ml

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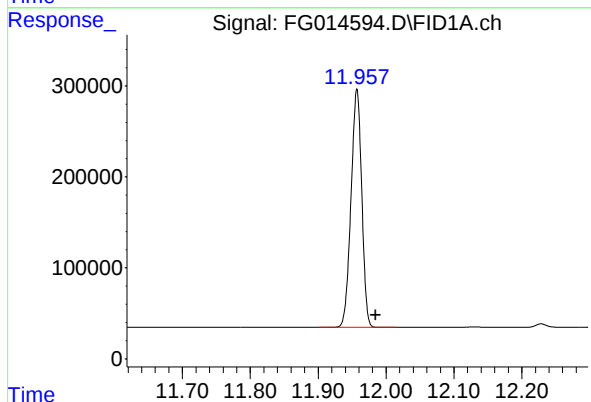
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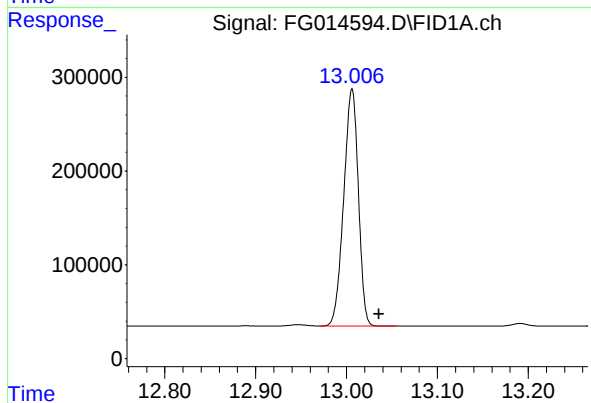
#10 Anthracene (C19.43)

R.T.: 11.259 min
Delta R.T.: -0.028 min
Response: 2692178
Conc: 19.20 ug/ml



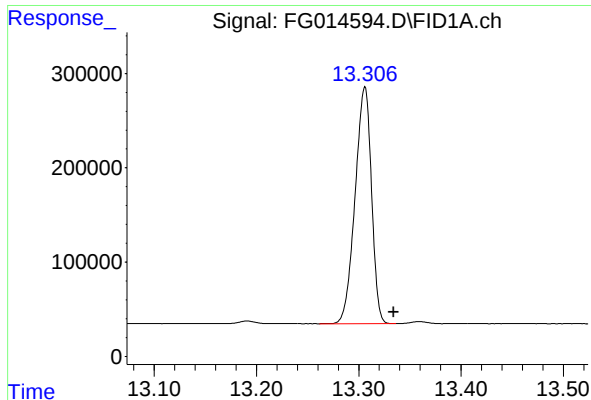
#11 ortho-Terphenyl (SURR)

R.T.: 11.957 min
Delta R.T.: -0.028 min
Response: 2877954
Conc: 19.44 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.006 min
Delta R.T.: -0.030 min
Response: 2833075
Conc: 19.16 ug/ml



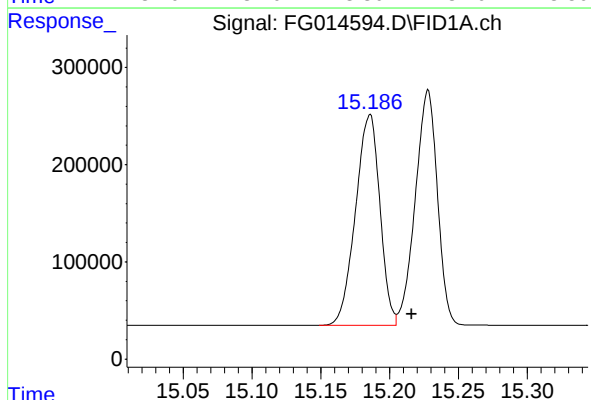
#13 Pyrene (C20.8)

R.T.: 13.306 min
Delta R.T.: -0.029 min
Response: 2808691
Conc: 19.10 ug/ml

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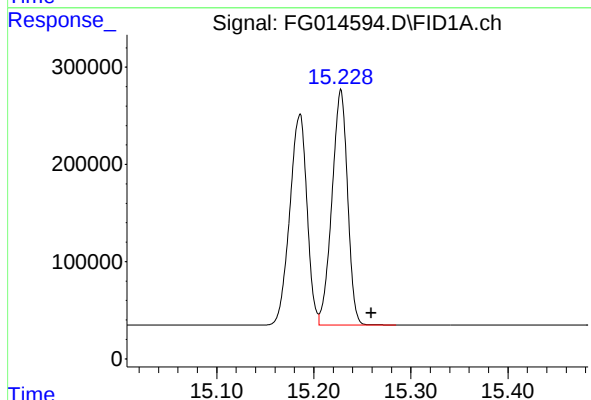
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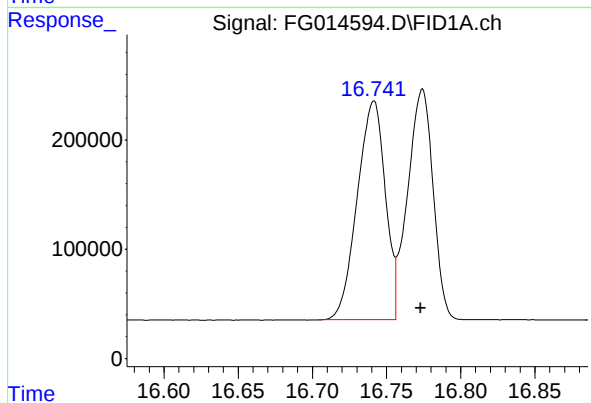
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.186 min
Delta R.T.: -0.030 min
Response: 2672629
Conc: 18.45 ug/ml m



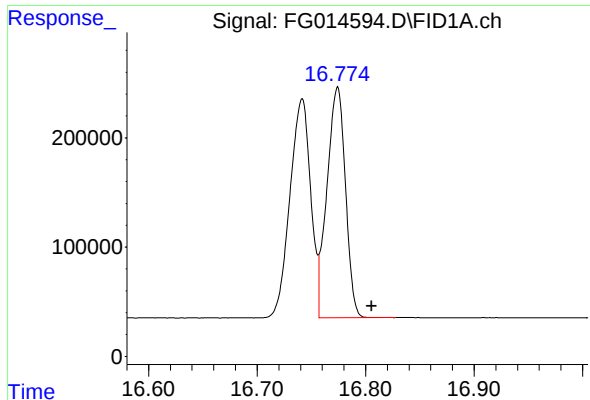
#15 Chrysene (C27.41)

R.T.: 15.228 min
Delta R.T.: -0.031 min
Response: 2704509
Conc: 18.44 ug/ml



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

R.T.: 16.741 min
Delta R.T.: -0.032 min
Response: 2649451
Conc: 18.01 ug/ml m



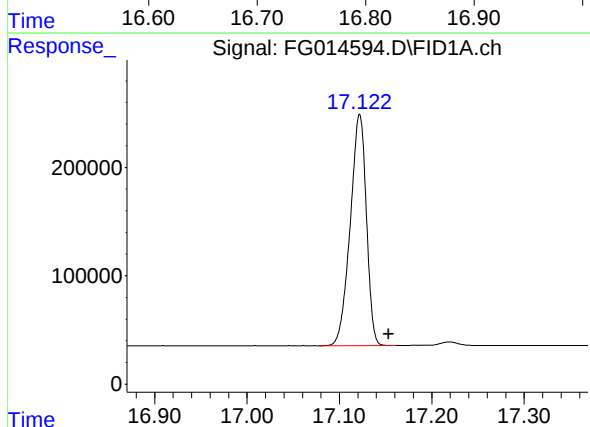
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.774 min
Delta R.T.: -0.032 min
Response: 2505526
Conc: 18.16 ug/ml

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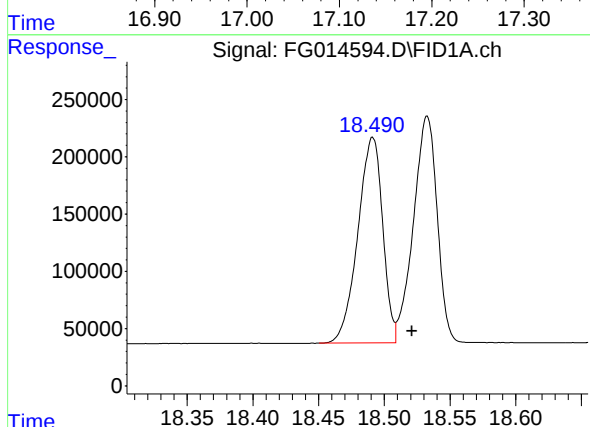
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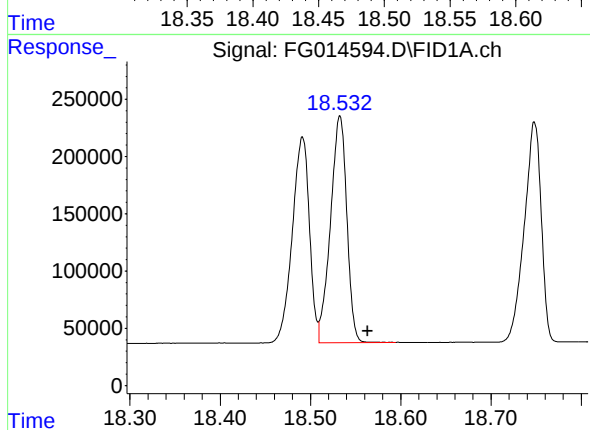
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.122 min
Delta R.T.: -0.031 min
Response: 2587400
Conc: 18.14 ug/ml



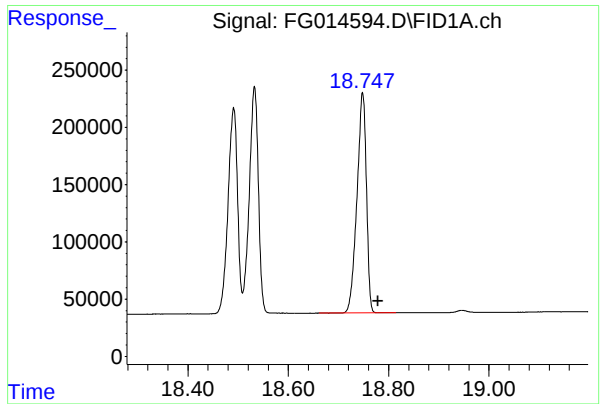
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.490 min
Delta R.T.: -0.030 min
Response: 2364111
Conc: 17.71 ug/ml m



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

R.T.: 18.532 min
Delta R.T.: -0.031 min
Response: 2488476
Conc: 17.83 ug/ml



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

R.T.: 18.748 min
Delta R.T.: -0.031 min
Response: 2516404
Conc: 18.09 ug/ml

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