

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG091924AR\
 Data File : FG014295.D
 Signal(s) : FID1A.ch
 Acq On : 20 Sep 2024 03:16
 Operator : YP\AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/20/2024
 Supervised By :Ankita Jodhani 09/20/2024

Integration File: autoint1.e
 Quant Time: Sep 20 03:31:08 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 090424.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 04 11:28:29 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...	7.873	2237967	20.004 ug/ml
Spiked Amount 50.000		Recovery =	40.01%
6) S 2-Fluorobiphenyl (SURR)	8.747	1434669	19.705 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	39.41%
11) S ortho-Terphenyl (SURR)	11.813	2632833	19.532 ug/ml
Spiked Amount 50.000		Recovery =	39.06%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.475	2492218	19.359 ug/ml
2) T Naphthalene (C11.7)	6.144	2558460	20.282 ug/ml
3) T 2-Methylnaphthalene (...)	7.243	2644124	20.760 ug/ml
5) T Acenaphthylene (C15.06)	8.544	2530710	19.471 ug/ml
7) T Acenaphthene (C15.5)	8.843	2695499	19.464 ug/ml
8) T Fluorene (C16.55)	9.635	2583848	19.934 ug/ml
9) T Phenanthrene (C19.36)	11.043	2356620	19.499 ug/ml
10) T Anthracene (C19.43)	11.120	2743795	19.777 ug/ml
12) T Fluoranthene (C21.85)	12.867	2586882	19.955 ug/ml
13) T Pyrene (C20.8)	13.164	2611090	19.997 ug/ml
14) T Benzo[a]anthracene (C...	15.049	2177841	19.144 ug/mlm
15) T Chrysene (C27.41)	15.091	2825737	19.989 ug/ml
16) T benzo[b]fluoranthene ...	16.609	2145240	18.717 ug/mlm
17) T Bnezo[k]fluoranthene ...	16.641	2655316	19.747 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.994	2452297	19.735 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.367	1659332	16.787 ug/mlm
20) T Dibenz[a,h]anthracene...	18.408	3374029	22.919 ug/ml
21) T Benzo[g,h,i]perylene ...	18.620	2640972	20.206 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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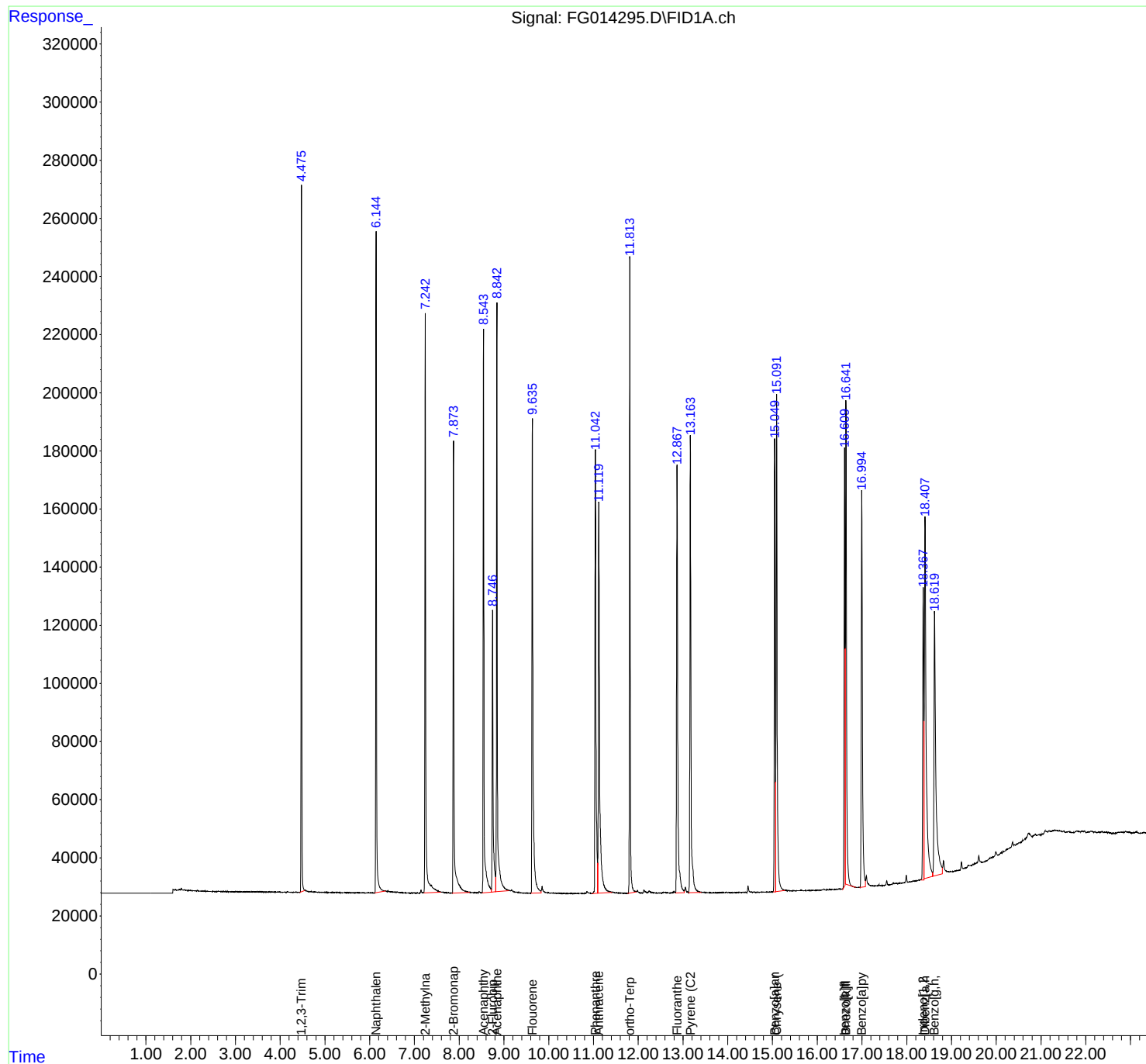
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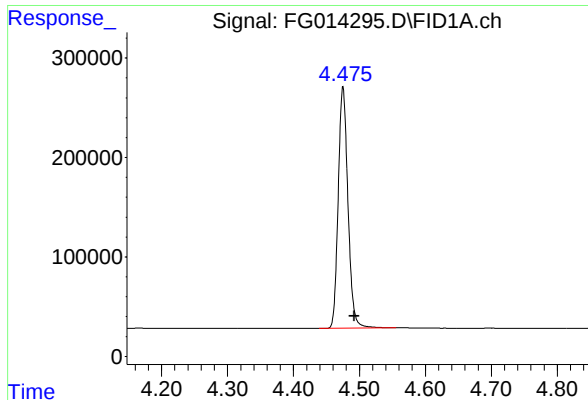
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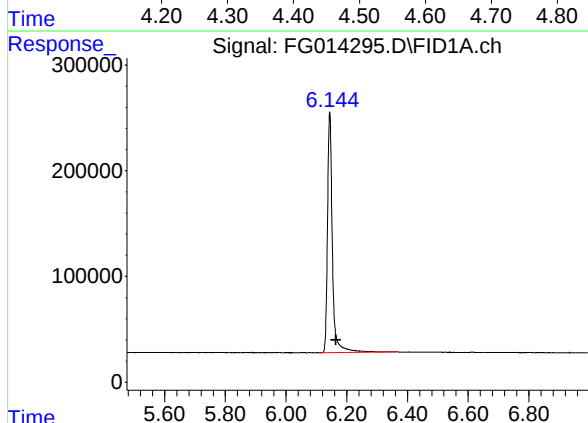
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.475 min
Delta R.T.: -0.017 min
Response: 2492218
Conc: 19.36 ug/ml

Instrument : FID_G
ClientSampleId : 20 PPM AROMATIC HC STD

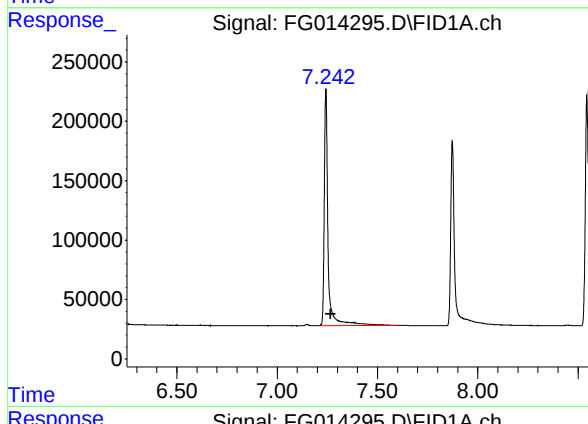
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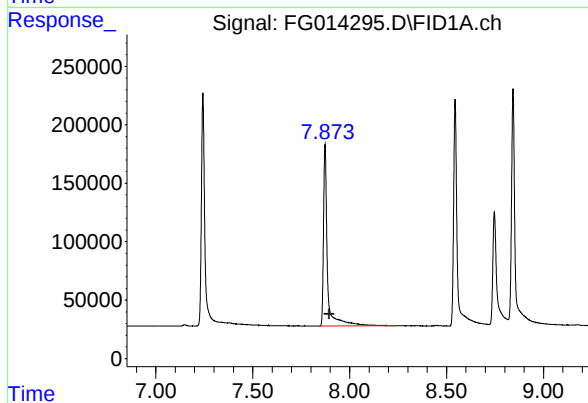
#2 Naphthalene (C11.7)

R.T.: 6.144 min
Delta R.T.: -0.020 min
Response: 2558460
Conc: 20.28 ug/ml



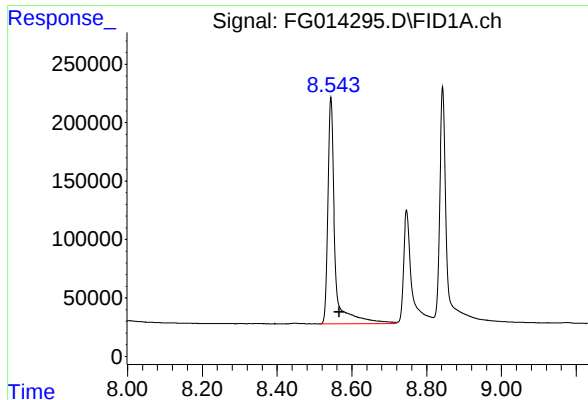
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.243 min
Delta R.T.: -0.024 min
Response: 2644124
Conc: 20.76 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.873 min
Delta R.T.: -0.022 min
Response: 2237967
Conc: 20.00 ug/ml



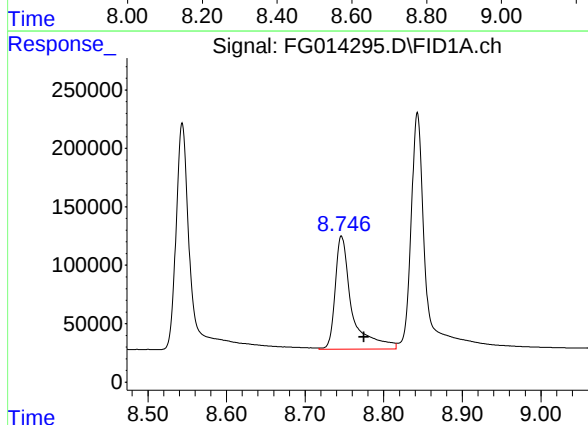
#5 Acenaphthylene (C15.06)

R.T.: 8.544 min
Delta R.T.: -0.022 min
Response: 2530710
Conc: 19.47 ug/ml

Instrument :
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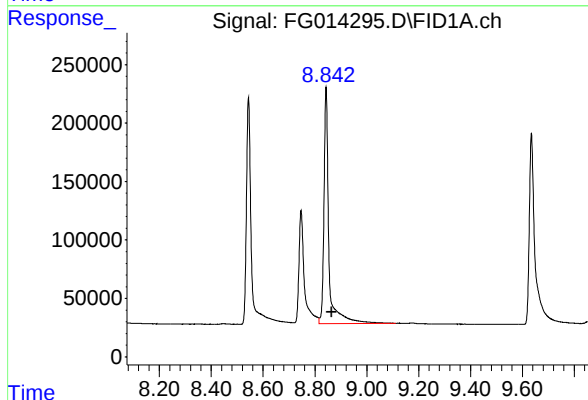
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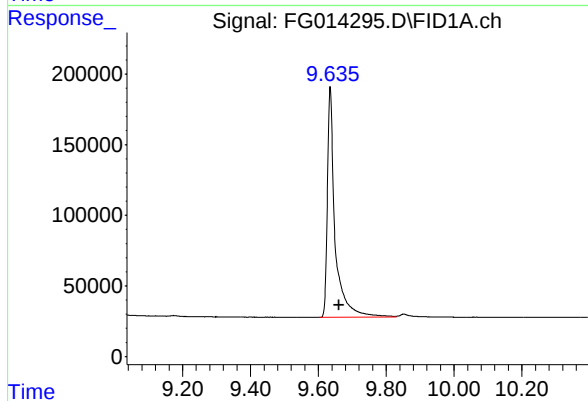
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.747 min
Delta R.T.: -0.028 min
Response: 1434669
Conc: 19.71 ug/ml



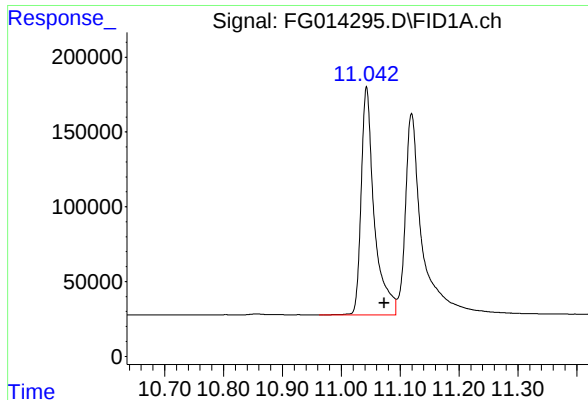
#7 Acenaphthene (C15.5)

R.T.: 8.843 min
Delta R.T.: -0.021 min
Response: 2695499
Conc: 19.46 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.635 min
Delta R.T.: -0.026 min
Response: 2583848
Conc: 19.93 ug/ml



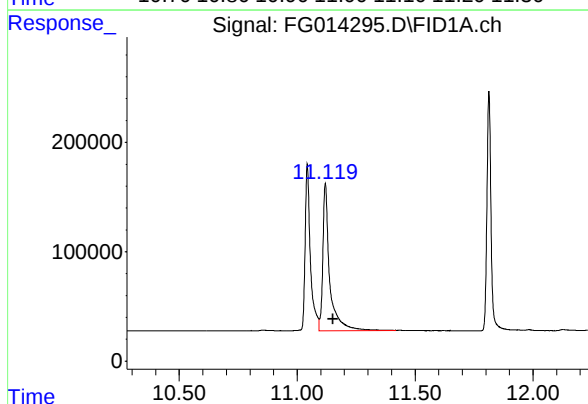
#9 Phenanthrene (C19.36)

R.T.: 11.043 min
Delta R.T.: -0.030 min
Response: 2356620
Conc: 19.50 ug/ml

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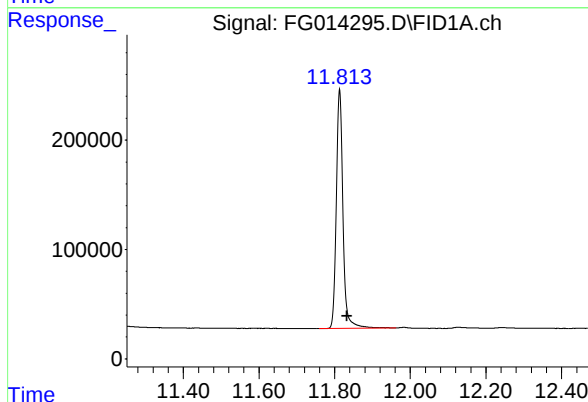
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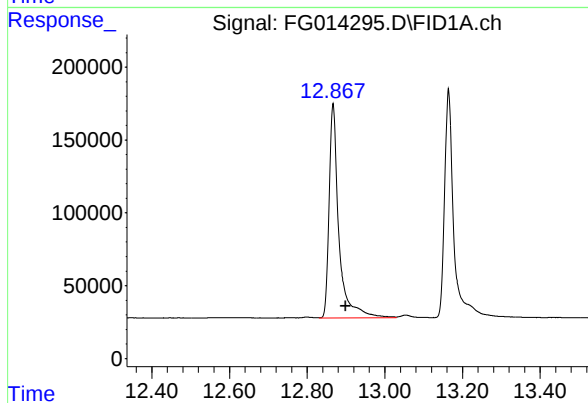
#10 Anthracene (C19.43)

R.T.: 11.120 min
Delta R.T.: -0.032 min
Response: 2743795
Conc: 19.78 ug/ml



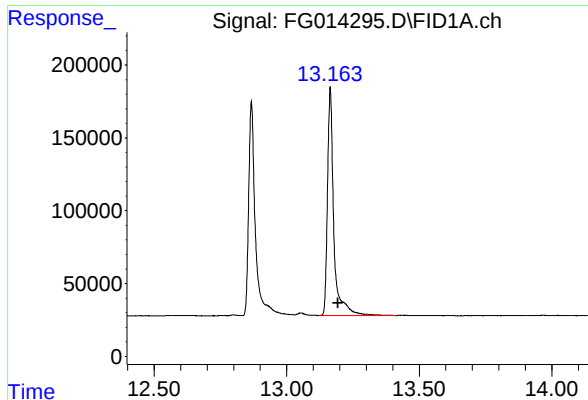
#11 ortho-Terphenyl (SURR)

R.T.: 11.813 min
Delta R.T.: -0.019 min
Response: 2632833
Conc: 19.53 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.867 min
Delta R.T.: -0.032 min
Response: 2586882
Conc: 19.95 ug/ml



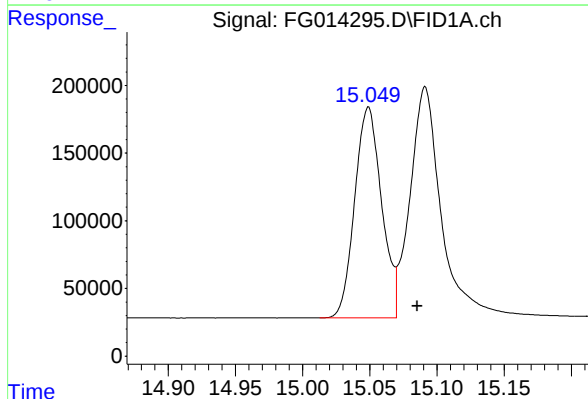
#13 Pyrene (C20.8)

R.T.: 13.164 min
Delta R.T.: -0.029 min
Response: 2611090
Conc: 20.00 ug/ml

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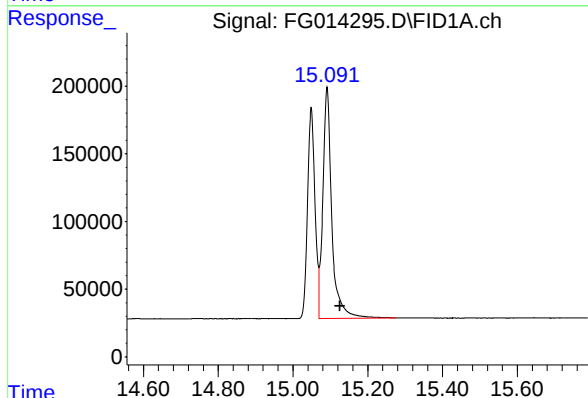
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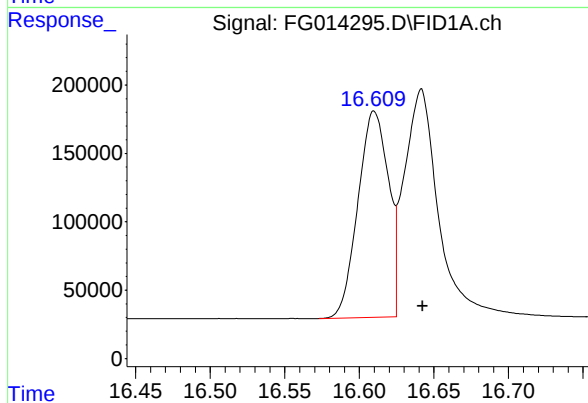
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.049 min
Delta R.T.: -0.037 min
Response: 2177841
Conc: 19.14 ug/ml m



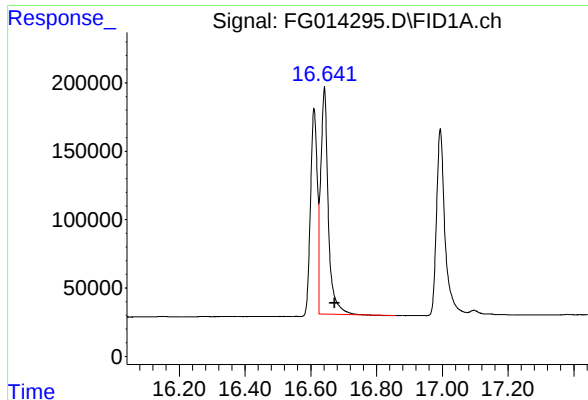
#15 Chrysene (C27.41)

R.T.: 15.091 min
Delta R.T.: -0.034 min
Response: 2825737
Conc: 19.99 ug/ml



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

R.T.: 16.609 min
Delta R.T.: -0.033 min
Response: 2145240
Conc: 18.72 ug/ml m



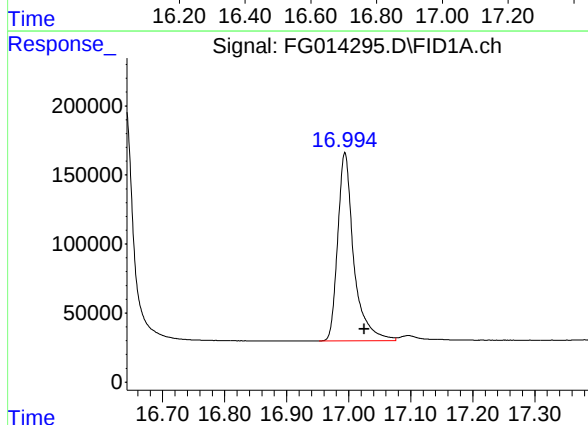
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.641 min
Delta R.T.: -0.032 min
Response: 2655316
Conc: 19.75 ug/ml

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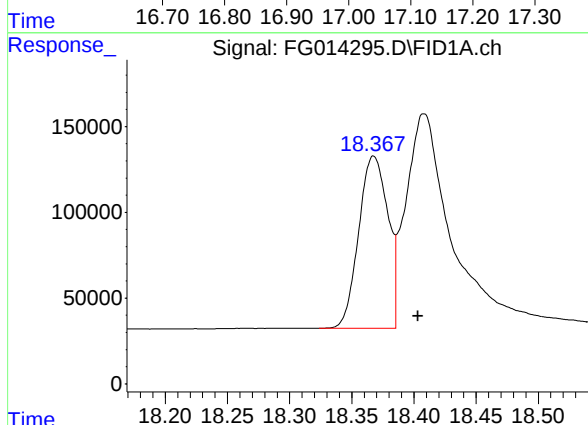
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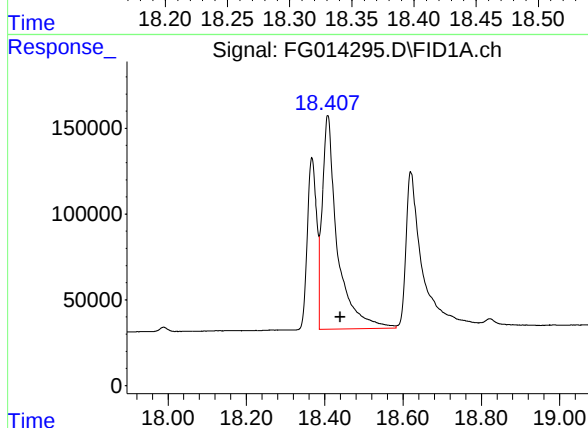
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.994 min
Delta R.T.: -0.031 min
Response: 2452297
Conc: 19.74 ug/ml



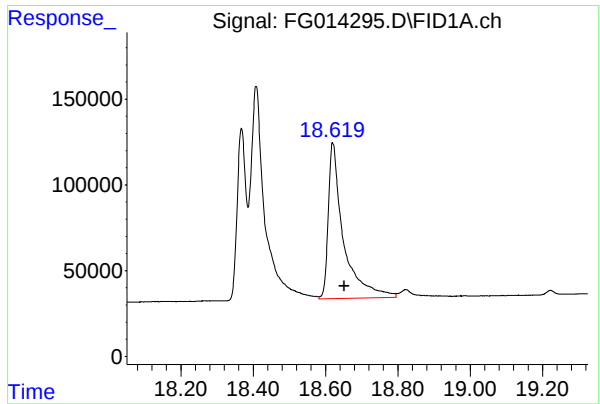
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.367 min
Delta R.T.: -0.036 min
Response: 1659332
Conc: 16.79 ug/ml m



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

R.T.: 18.408 min
Delta R.T.: -0.031 min
Response: 3374029
Conc: 22.92 ug/ml



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

R.T.: 18.620 min
Delta R.T.: -0.032 min
Response: 2640972
Conc: 20.21 ug/ml

Instrument :

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