

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG102124AR\
 Data File : FG014461.D
 Signal(s) : FID1A.ch
 Acq On : 21 Oct 2024 19:11
 Operator : YP\AJ
 Sample : 100 PPM AROMATIC HC STD1
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 100 PPM AROMATIC HC STD1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :Ankita Jodhani 10/22/2024

Integration File: autoint1.e
 Quant Time: Oct 22 04:31:06 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aromatic EPH 102124.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 22 04:30:07 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...	8.041	11445142	90.193 ug/ml
Spiked Amount 50.000		Recovery =	180.39%
6) S 2-Fluorobiphenyl (SURR)	8.919	7906331	90.714 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	181.43%#
11) S ortho-Terphenyl (SURR)	11.993	13392311	89.617 ug/ml
Spiked Amount 50.000		Recovery =	179.23%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.640	12446477	90.201 ug/ml
2) T Naphthalene (C11.7)	6.314	13219656	90.696 ug/ml
3) T 2-Methylnaphthalene (...)	7.414	13436105	90.592 ug/ml
5) T Acenaphthylene (C15.06)	8.720	13296506	90.404 ug/ml
7) T Acenaphthene (C15.5)	9.022	13272778	90.664 ug/ml
8) T Flouorene (C16.55)	9.813	13245341	90.494 ug/ml
9) T Phenanthrene (C19.36)	11.223	13458381	90.575 ug/ml
10) T Anthracene (C19.43)	11.301	12748608	89.987 ug/ml
12) T Fluoranthene (C21.85)	13.050	13469156	90.432 ug/ml
13) T Pyrene (C20.8)	13.350	13415461	90.629 ug/ml
14) T Benzo[a]anthracene (C...	15.232	13315853	91.516 ug/ml
15) T Chrysene (C27.41)	15.281	13441483	91.191 ug/ml
16) T benzo[b]fluoranthene ...	16.794	13784033	93.927 ug/ml
17) T Bnezo[k]fluoranthene ...	16.833	12812088	93.113 ug/mlm
18) T Benzo[a]pyrene (C31.34)	17.178	13241162	93.030 ug/ml
19) T Indeno[1,2,3-cd]pyren...	18.549	12956528	98.569 ug/ml
20) T Dibenz[a,h]anthracene...	18.591	12603686	90.848 ug/mlm
21) T Benzo[g,h,i]perylene ...	18.813	12975069	93.768 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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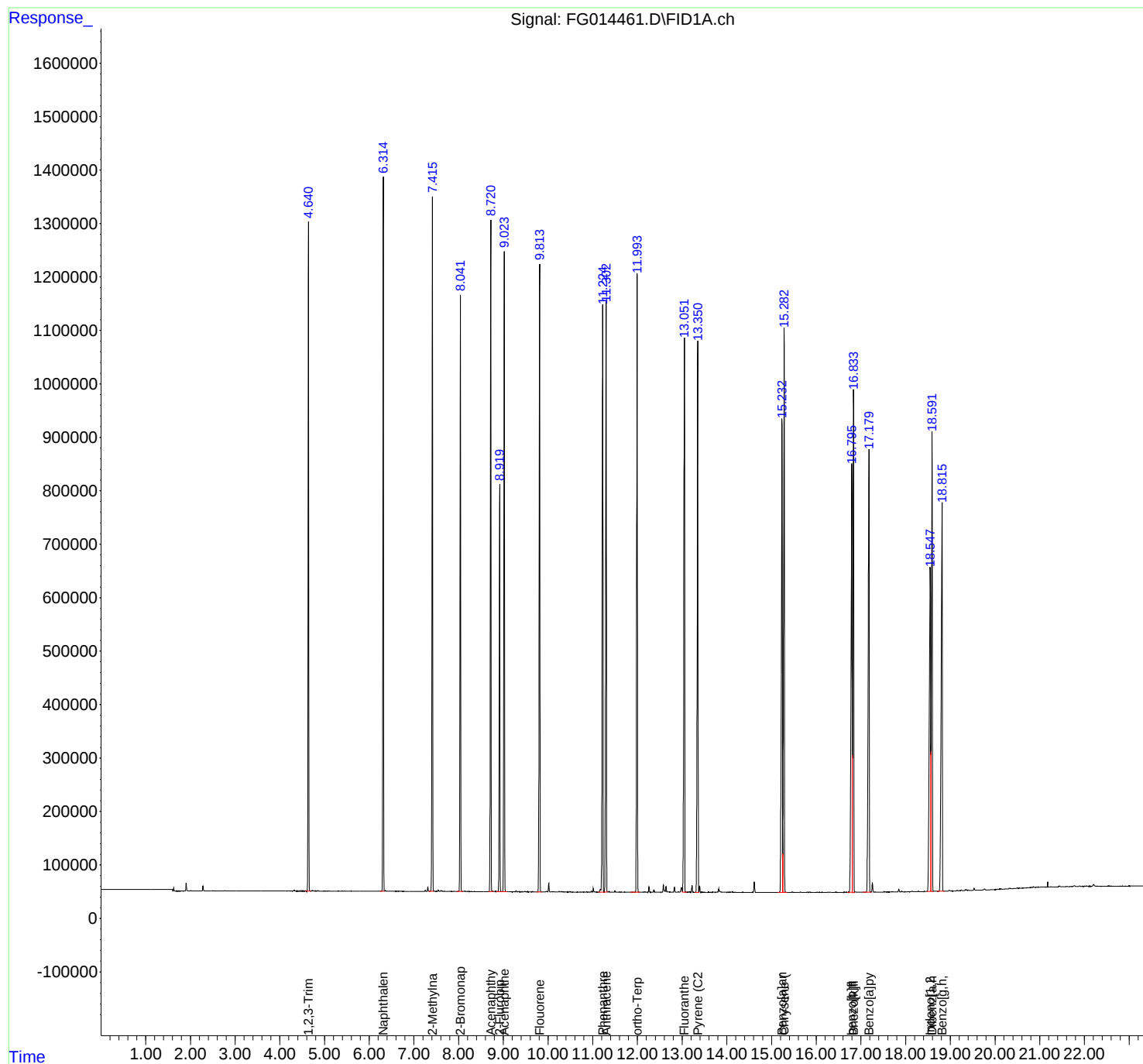
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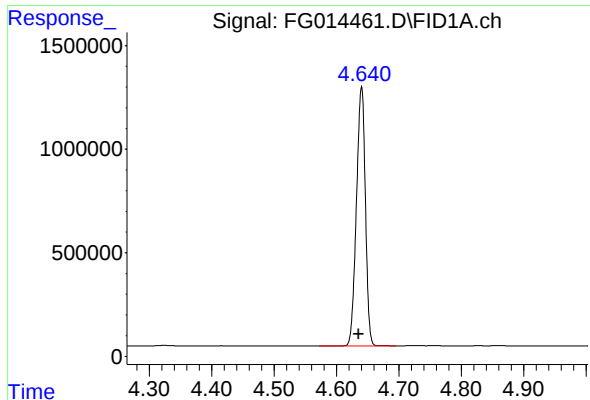
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#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.640 min
Delta R.T.: 0.004 min
Response: 12446477
Conc: 90.20 ug/ml

Instrument :

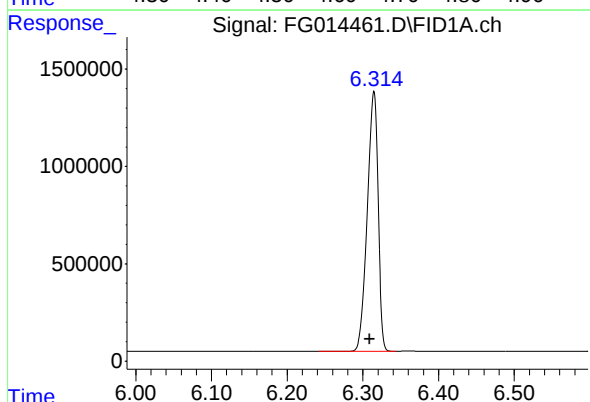
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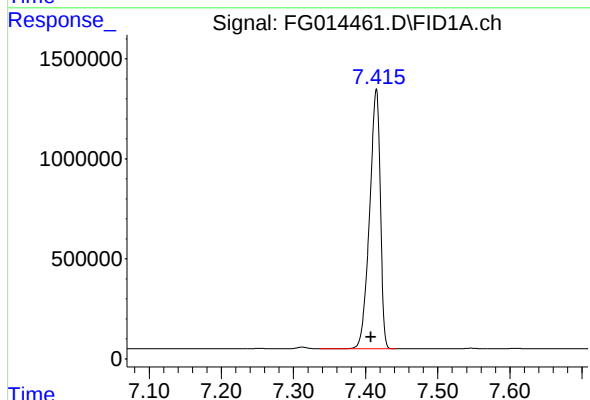
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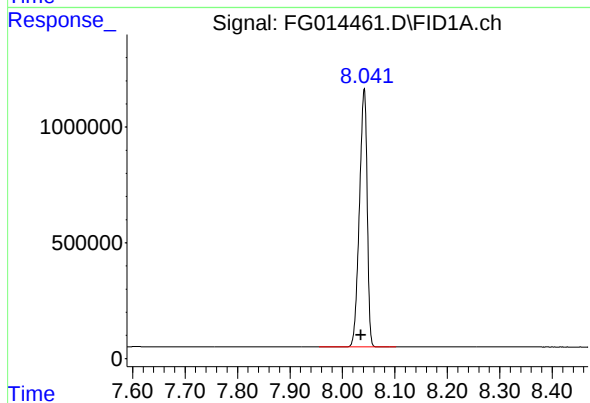
#2 Naphthalene (C11.7)

R.T.: 6.314 min
Delta R.T.: 0.005 min
Response: 13219656
Conc: 90.70 ug/ml



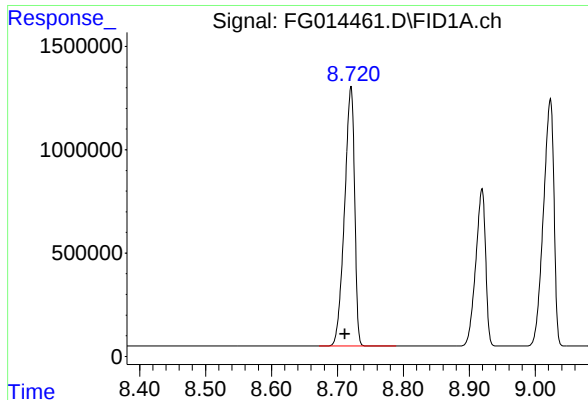
#3 2-Methylnaphthalene (C12.89)

R.T.: 7.414 min
Delta R.T.: 0.007 min
Response: 13436105
Conc: 90.59 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 8.041 min
Delta R.T.: 0.006 min
Response: 11445142
Conc: 90.19 ug/ml



#5 Acenaphthylene (C15.06)

R.T.: 8.720 min
Delta R.T.: 0.008 min
Response: 13296506
Conc: 90.40 ug/ml

Instrument :

FID_G

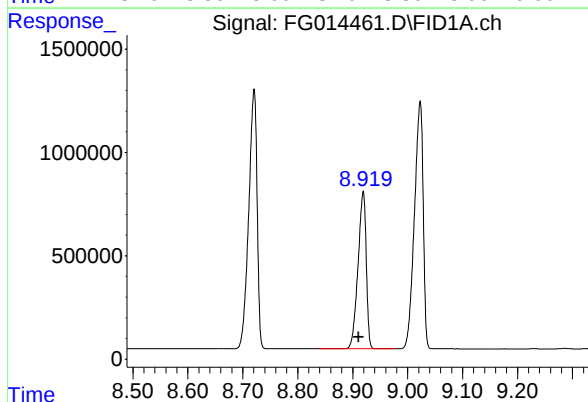
ClientSampleId :

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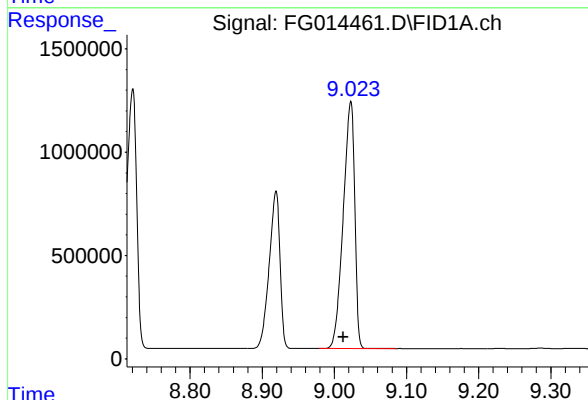
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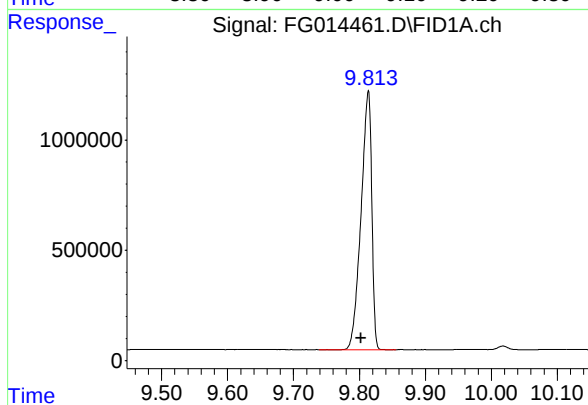
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.919 min
Delta R.T.: 0.007 min
Response: 7906331
Conc: 90.71 ug/ml



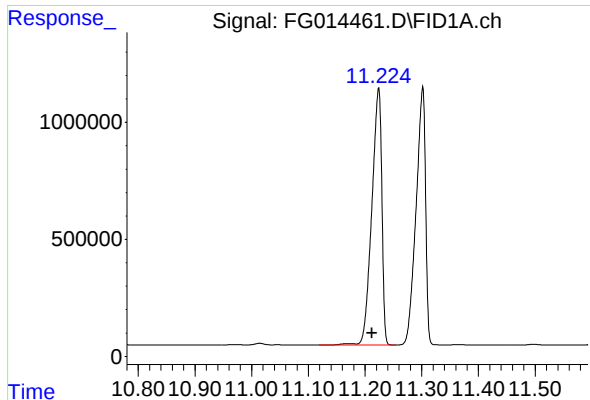
#7 Acenaphthene (C15.5)

R.T.: 9.022 min
Delta R.T.: 0.009 min
Response: 13272778
Conc: 90.66 ug/ml



#8 Fluorene (C16.55)

R.T.: 9.813 min
Delta R.T.: 0.010 min
Response: 13245341
Conc: 90.49 ug/ml



#9 Phenanthrene (C19.36)

R.T.: 11.223 min
Delta R.T.: 0.011 min
Response: 13458381
Conc: 90.58 ug/ml

Instrument :

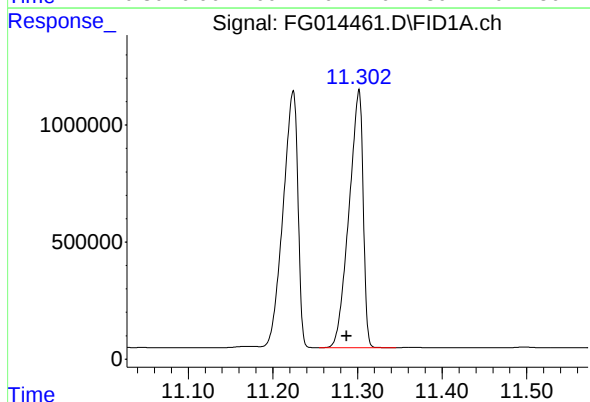
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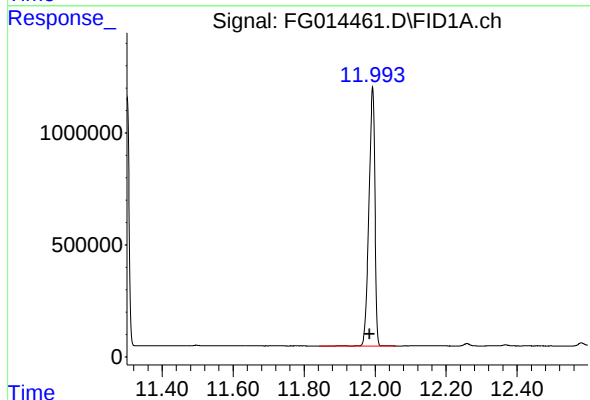
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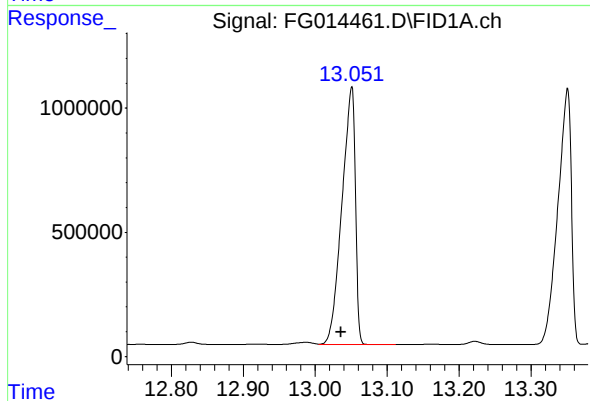
#10 Anthracene (C19.43)

R.T.: 11.301 min
Delta R.T.: 0.014 min
Response: 12748608
Conc: 89.99 ug/ml



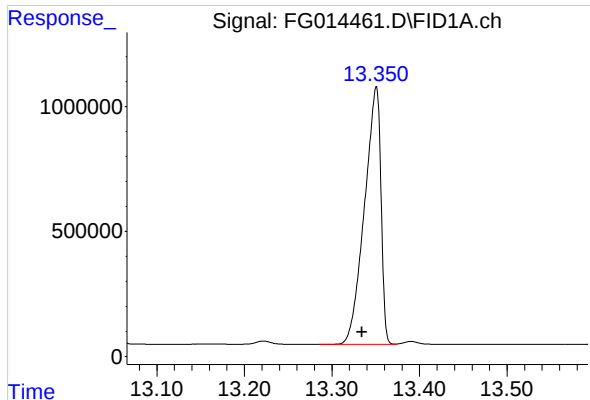
#11 ortho-Terphenyl (SURR)

R.T.: 11.993 min
Delta R.T.: 0.008 min
Response: 13392311
Conc: 89.62 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 13.050 min
Delta R.T.: 0.014 min
Response: 13469156
Conc: 90.43 ug/ml



#13 Pyrene (C20.8)

R.T.: 13.350 min
Delta R.T.: 0.015 min
Response: 13415461
Conc: 90.63 ug/ml

Instrument :

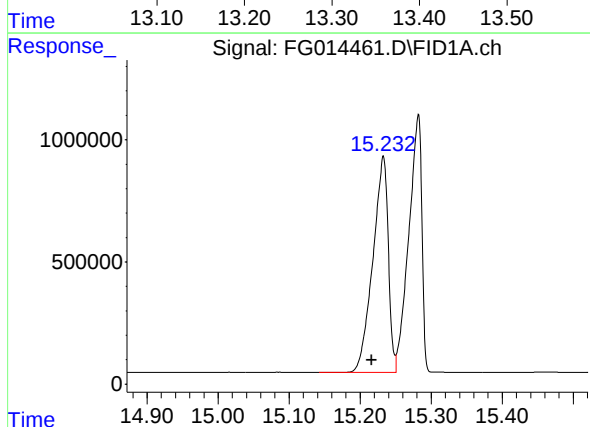
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ClientSampleId :

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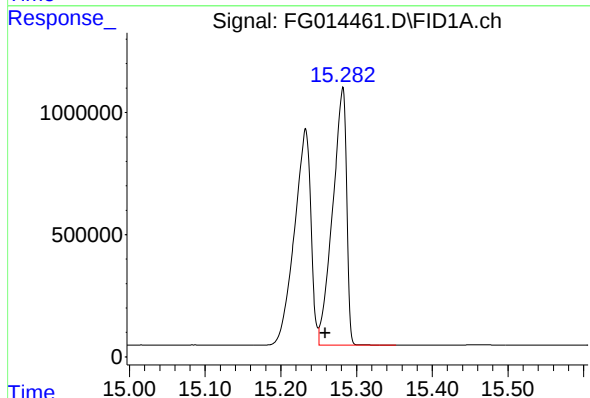
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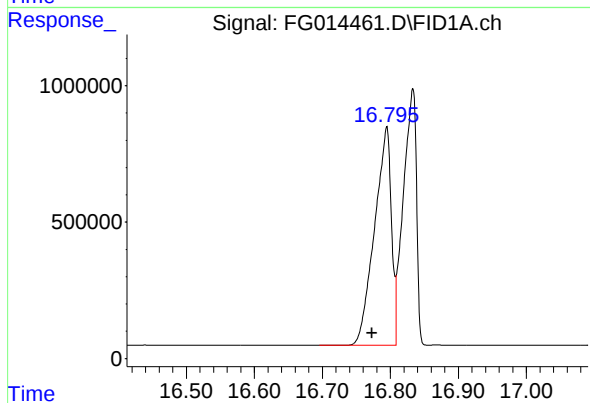
#14 Benzo[a]anthracene (C26.37)

R.T.: 15.232 min
Delta R.T.: 0.016 min
Response: 13315853
Conc: 91.52 ug/ml



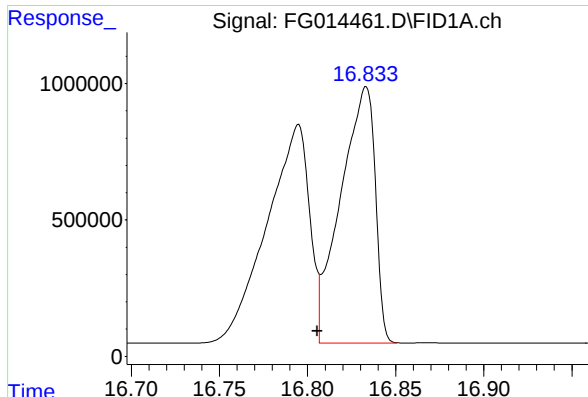
#15 Chrysene (C27.41)

R.T.: 15.281 min
Delta R.T.: 0.022 min
Response: 13441483
Conc: 91.19 ug/ml



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

R.T.: 16.794 min
Delta R.T.: 0.021 min
Response: 13784033
Conc: 93.93 ug/ml



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

R.T.: 16.833 min
Delta R.T.: 0.027 min
Response: 12812088
Conc: 93.11 ug/ml

Instrument :

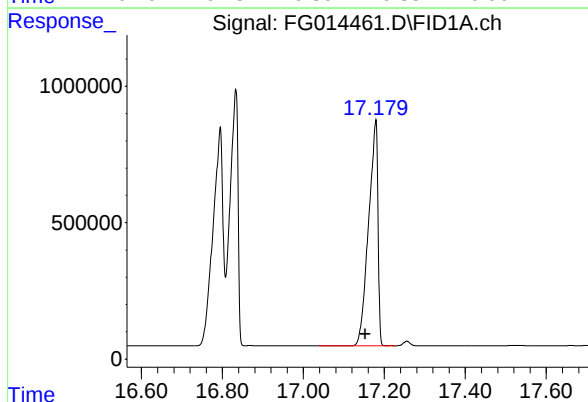
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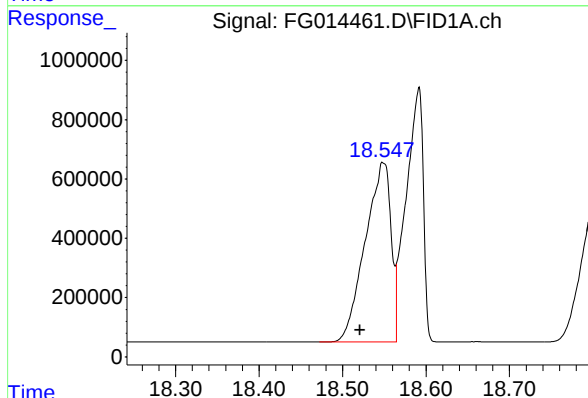
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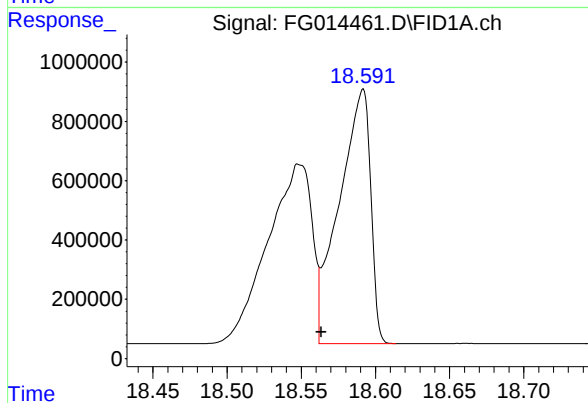
#18 Benzo[a]pyrene (C31.34)

R.T.: 17.178 min
Delta R.T.: 0.025 min
Response: 13241162
Conc: 93.03 ug/ml



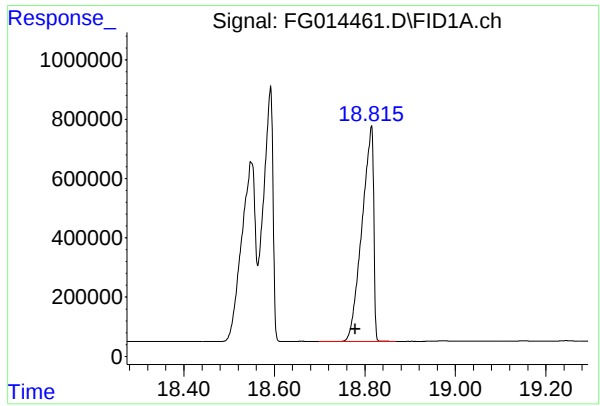
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 18.549 min
Delta R.T.: 0.028 min
Response: 12956528
Conc: 98.57 ug/ml



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

R.T.: 18.591 min
Delta R.T.: 0.028 min
Response: 12603686
Conc: 90.85 ug/ml m



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

R.T.: 18.813 min
Delta R.T.: 0.034 min
Response: 12975069
Conc: 93.77 ug/ml

Instrument :

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