

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Manual Integrations
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 11/20/2017 4:42:39 PM

Quant Time: Nov 21 06:05:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	52558	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	223110	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	140927	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.51	188	321689m	20.00	ng/ul	0.01
18) Chrysene-d12	21.81	240	386904m	20.00	ng/ul	0.04
23) Perylene-d12	25.17	264	402358	20.00	ng/ul	0.12
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.59	165	37965	9.02	ng/uL	0.01
7) Acenaphthylene-d8	14.45	160	162824	11.11	ng/ul	0.00
10) Fluorene-d10	15.74	176	122313	10.39	ng/ul	0.00
15) Anthracene-d10	17.60	188	189082	11.74	ng/ul	0.01
19) Pyrene-d10	19.89	212	252881m	14.31	ng/ul	0.02
26) Benzo(a)pyrene-d12	24.94	264	233018	11.71	ng/ul	0.11
Target Compounds						
4) Naphthalene	11.00	128	20462	1.92	ng/ul#	90
5) 2-Methylnaphthalene	12.59	142	81607	9.26	ng/ul	99
9) Acenaphthene	14.83	153	25095	2.71	ng/ul#	78
11) Fluorene	15.80	166	41332	3.52	ng/ul#	81
14) Phenanthrene	17.55	178	452930m	26.24	ng/ul	
16) Anthracene	17.64	178	39079m	2.23	ng/ul	
17) Fluoranthene	19.56	202	269401m	11.21	ng/ul	
20) Pyrene	19.93	202	1840811m	89.64	ng/ul	
21) Benzo(a)anthracene	21.79	228	279309m	11.85	ng/ul	
22) Chrysene	21.86	228	663199m	29.58	ng/ul	
27) Benzo(a)pyrene	25.02	252	301066	12.92	ng/ul#	63
28) Indeno(1,2,3-cd)pyrene	29.02	276	69601m	2.62	ng/ul	
30) Benzo(a,h,i)perylene	30.24	276	223347m	10.10	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

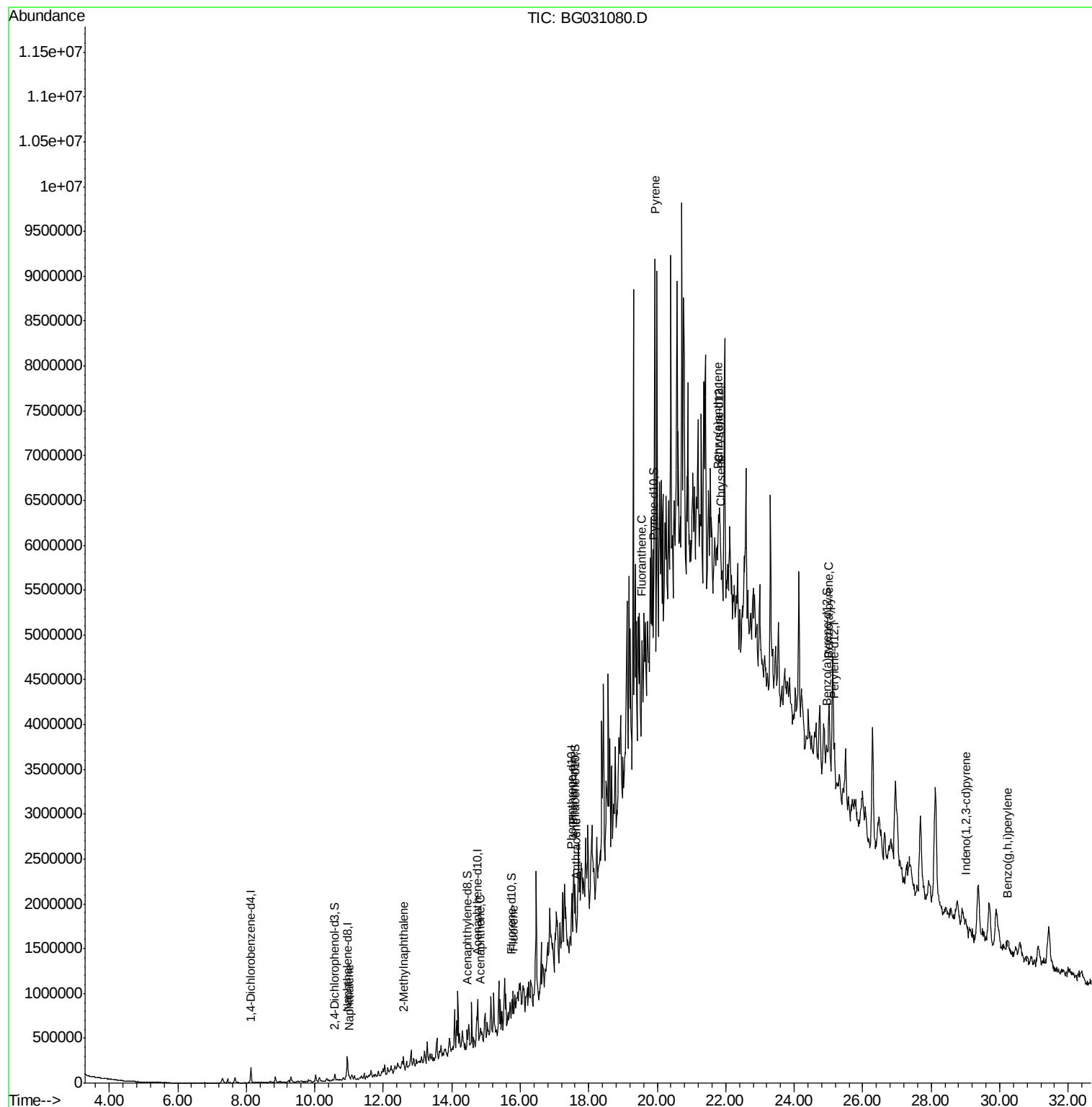
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
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ALS Vial : 3 Sample Multiplier: 1

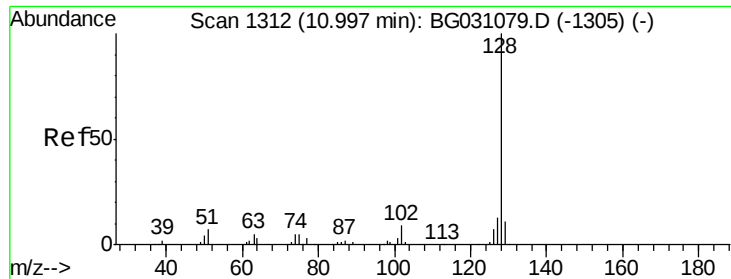
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#4

Naphthalene

Concen: 1.92 ng/ul

RT: 11.00 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

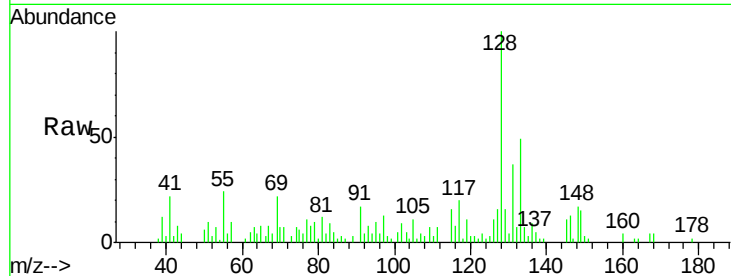
ClientSampled :

B0F81

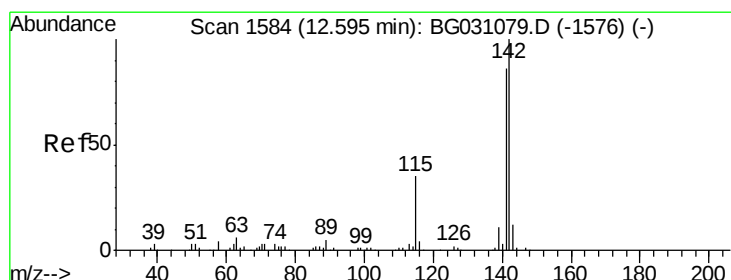
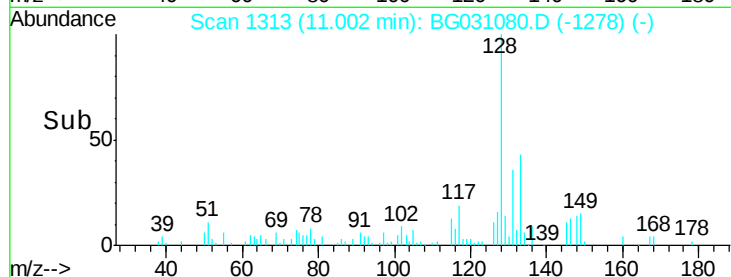
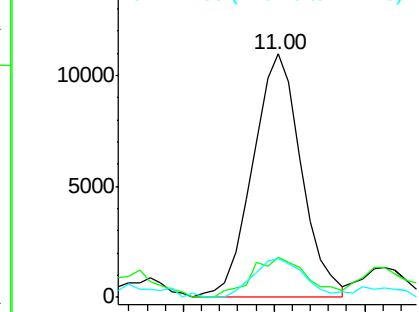
Tot Ion:128	Resp:	20462
Ion Ratio	Lower	Upper
128 100		
129 16.2	9.1	13.7#
127 16.0	10.6	15.8#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 9.26 ng/ul

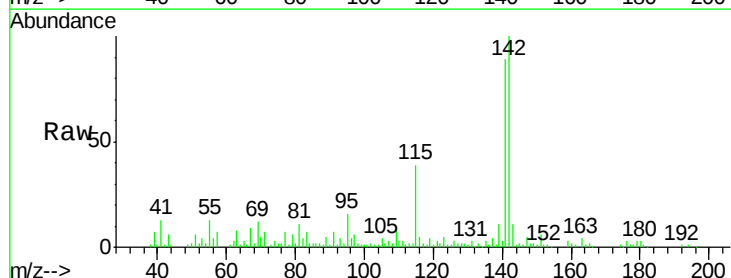
RT: 12.59 min Scan# 1584

Delta R.T. -0.00 min

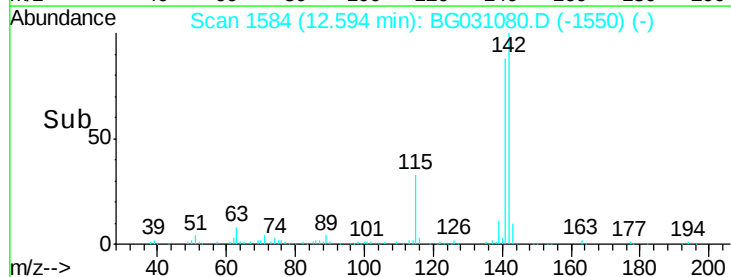
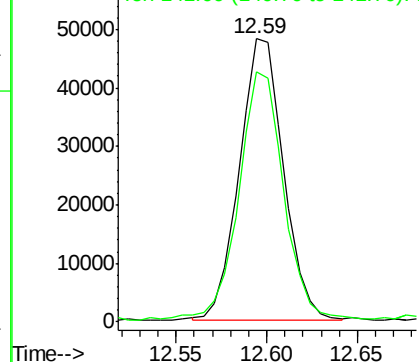
Lab File: BG031080.D

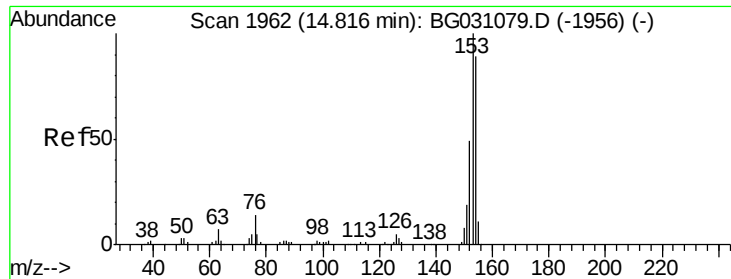
Acq: 17 Nov 2017 13:46

Tgt Ion:142	Resp:	81607
Ion Ratio	Lower	Upper
142 100		
141 88.5	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthene

Concen: 2.71 ng/ul

RT: 14.83 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

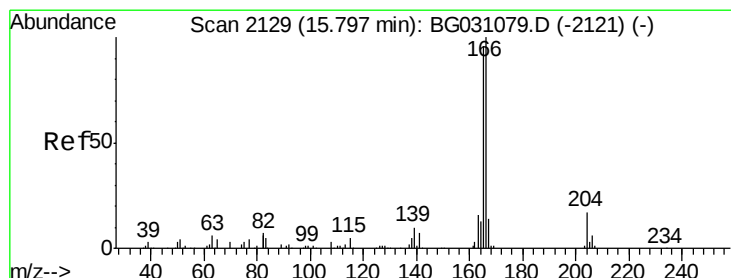
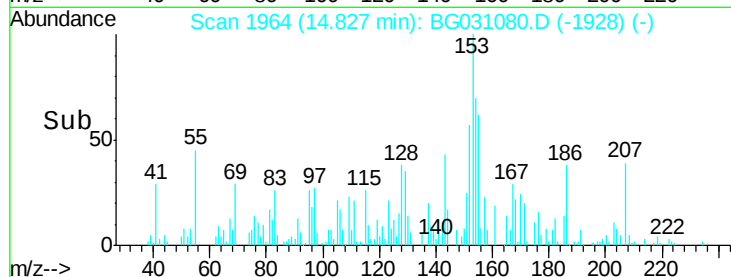
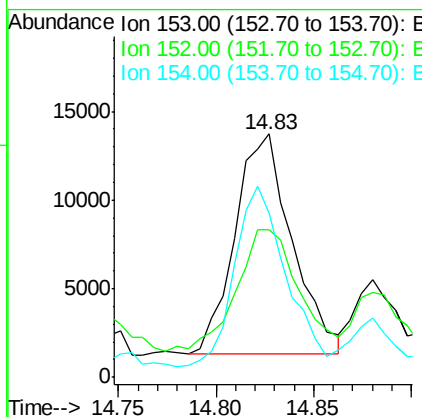
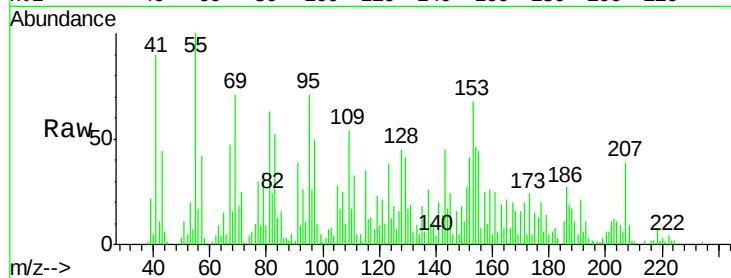
ClientSampled :

B0F81

Tot Ion	Ratio	Lower	Upper
153	100		
152	60.7	37.9	56.9#
154	67.5	71.6	107.4#

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#11

Fluorene

Concen: 3.52 ng/ul

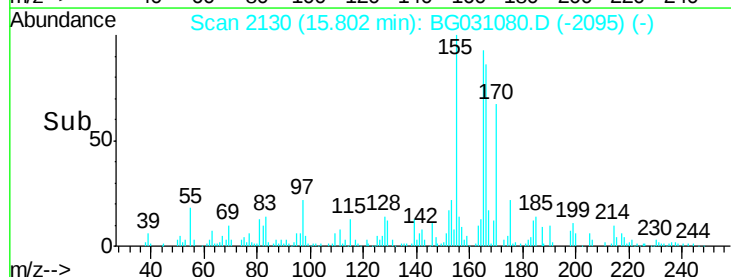
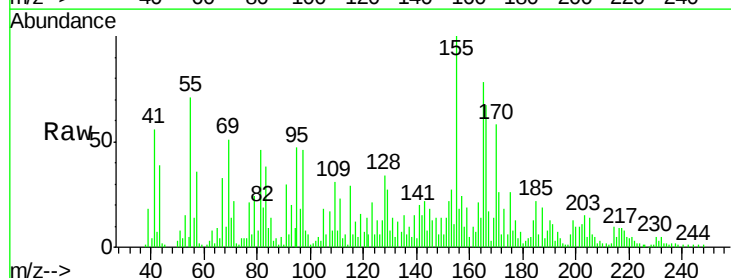
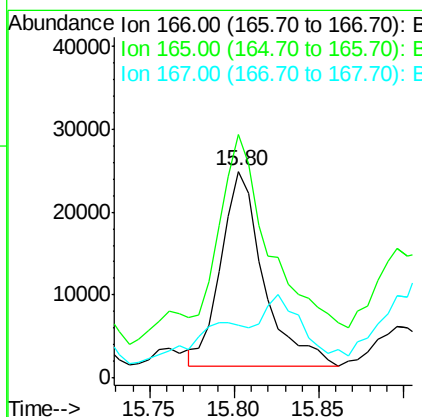
RT: 15.80 min Scan# 2130

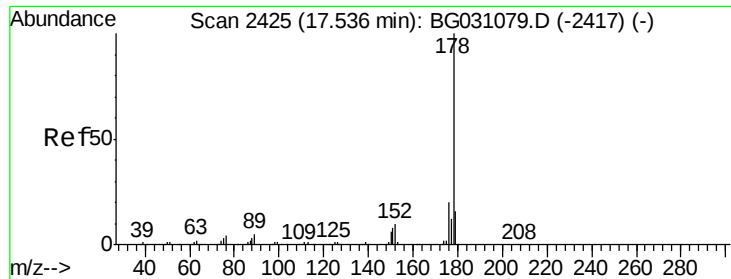
Delta R.T. 0.01 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.5	80.0	120.0
167	25.6	11.6	17.4#





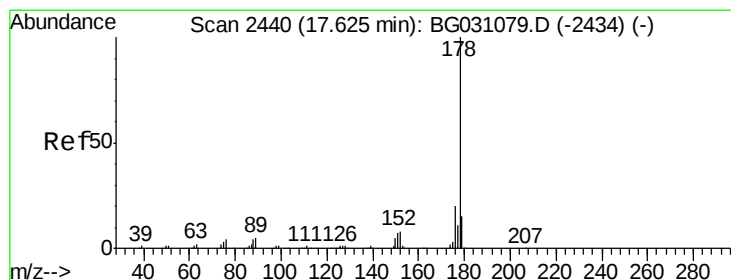
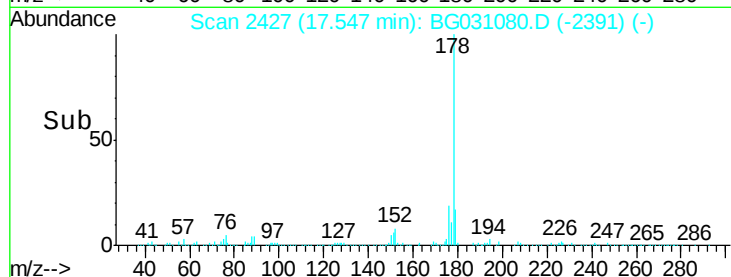
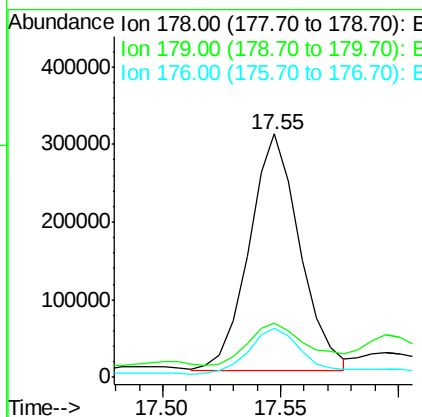
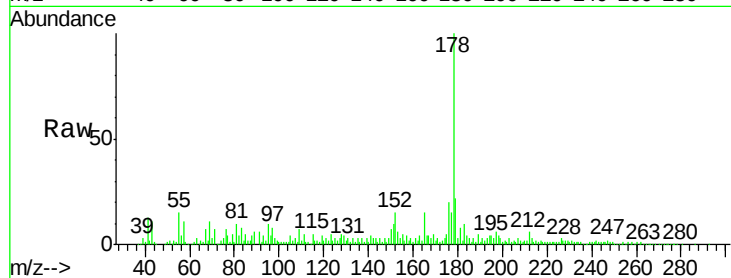
#14
Phenanthrene
Concen: 26.24 ng/ul m
RT: 17.55 min Scan# 2427
Delta R.T. 0.01 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Instrument :
BNA_G
ClientSampleId :
B0F81

Tot Ion	Ratio	Lower	Upper
178	100		
179	22.1	12.2	18.4#
176	20.2	16.4	24.6

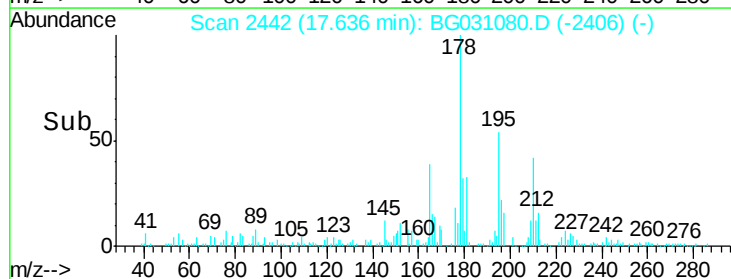
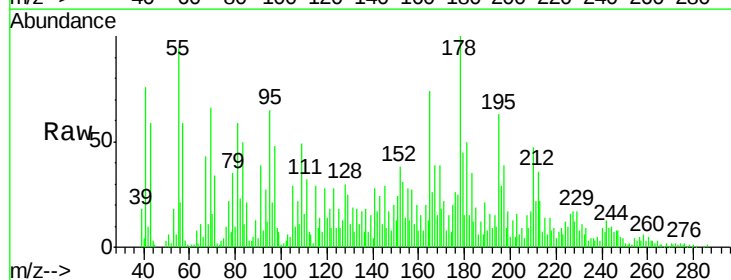
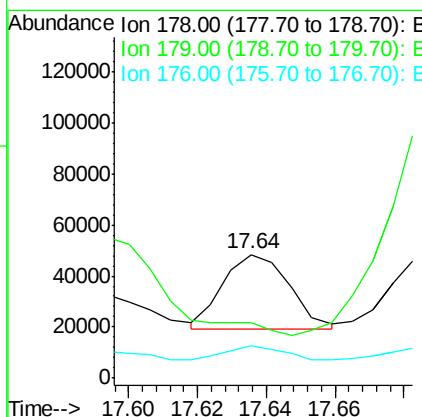
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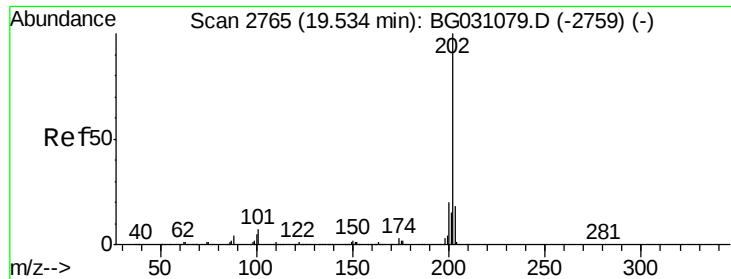
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#16
Anthracene
Concen: 2.23 ng/ul m
RT: 17.64 min Scan# 2442
Delta R.T. 0.01 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	44.5	12.7	19.1#
176	25.8	15.8	23.8#





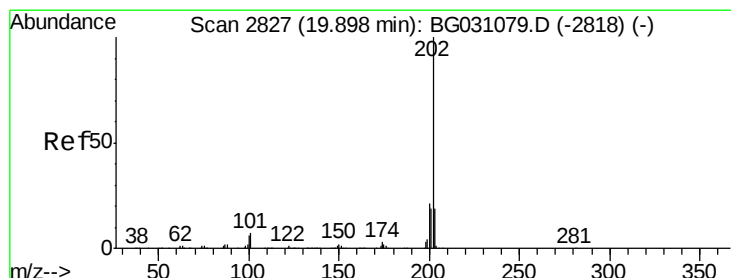
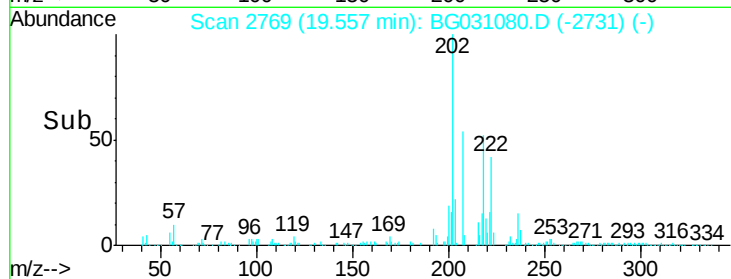
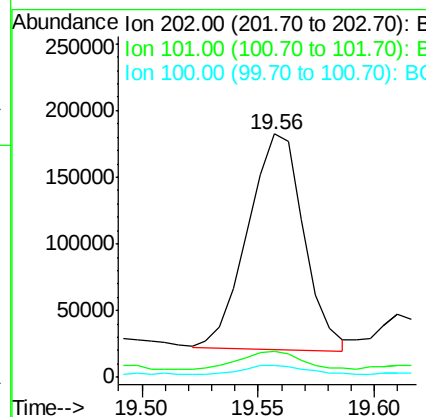
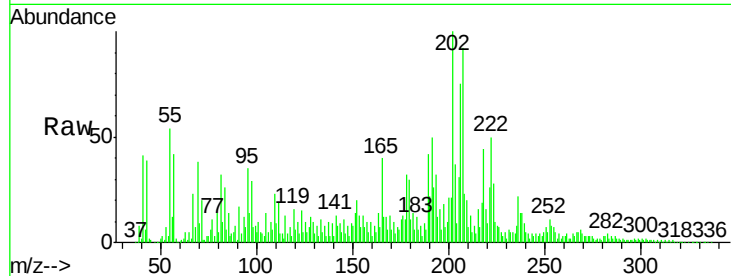
#17
Fluoranthene
 Concen: 11.21 ng/ul m
 RT: 19.56 min Scan# 2769
 Delta R.T. 0.02 min
 Lab File: BG031080.D
 Acq: 17 Nov 2017 13:46

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	9.8	14.8
100	5.2	7.5	11.3#

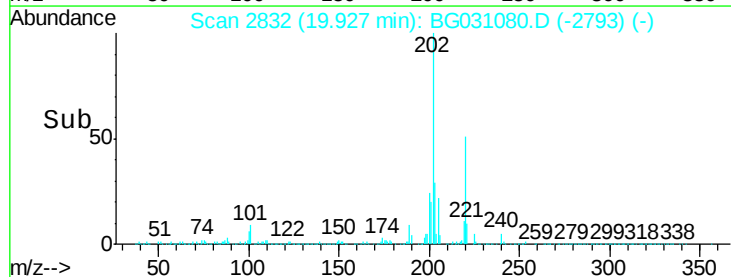
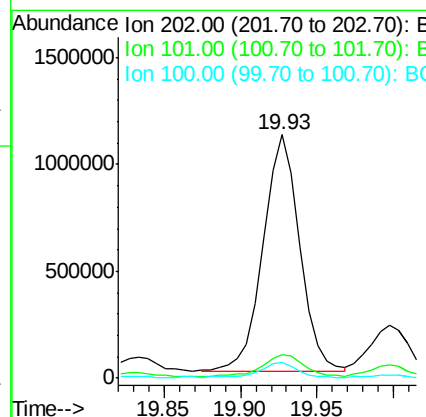
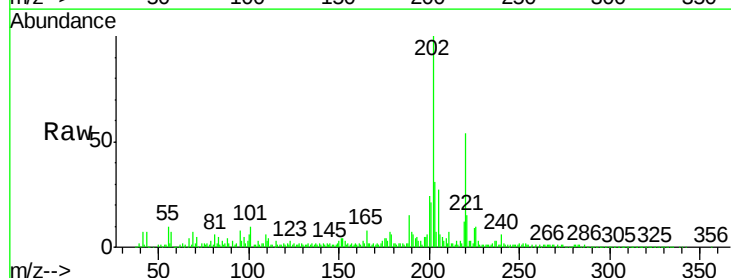
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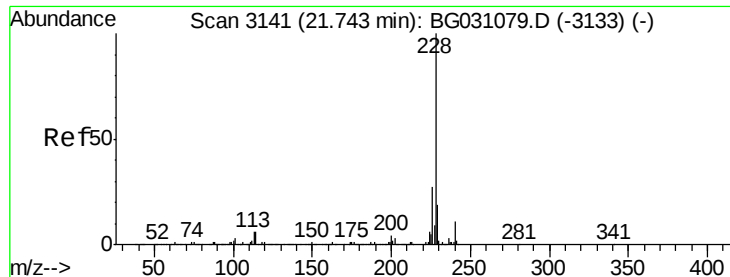
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#20
Pyrene
 Concen: 89.64 ng/ul m
 RT: 19.93 min Scan# 2832
 Delta R.T. 0.03 min
 Lab File: BG031080.D
 Acq: 17 Nov 2017 13:46

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	11.2	16.8#
100	6.4	9.8	14.6#





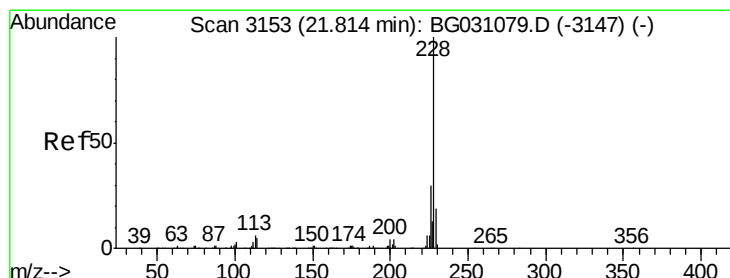
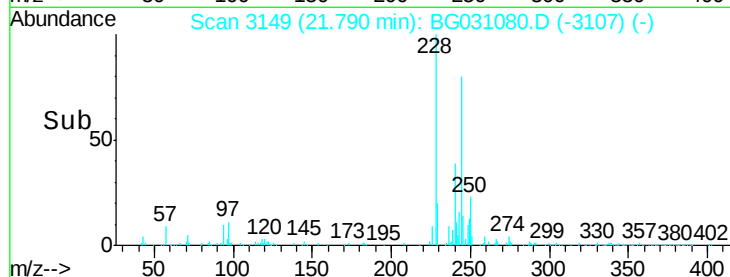
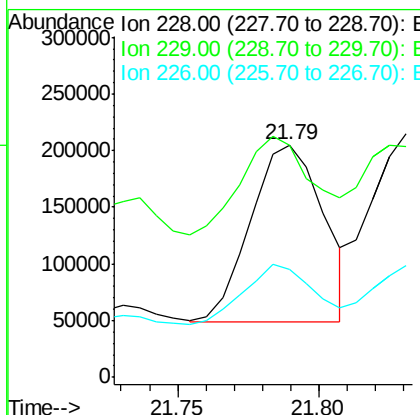
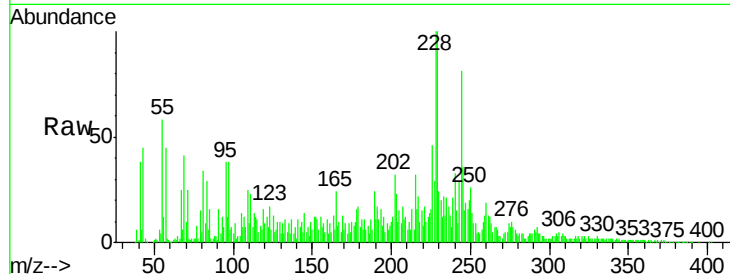
#21
Benzo(a)anthracene
Concen: 11.85 ng/ul m
RT: 21.79 min Scan# 3149
Delta R.T. 0.05 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Instrument :
BNA_G
ClientSampled :
B0F81

Tot Ion	Ratio	Lower	Upper
228	100		
229	100.2	15.9	23.9#
226	46.3	22.1	33.1#

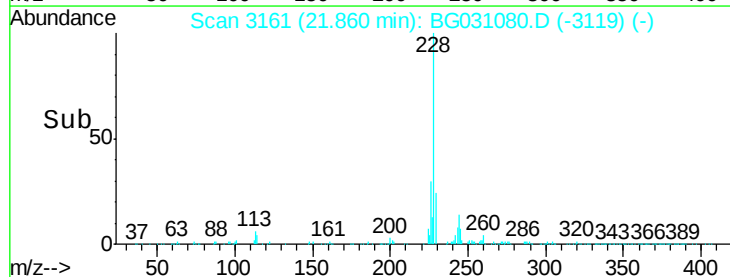
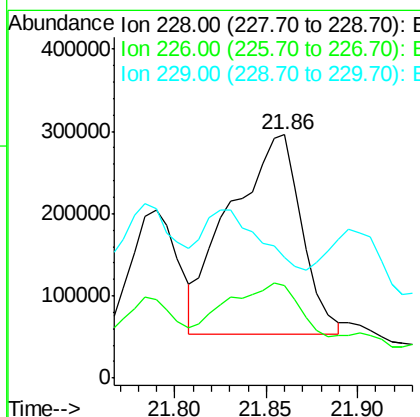
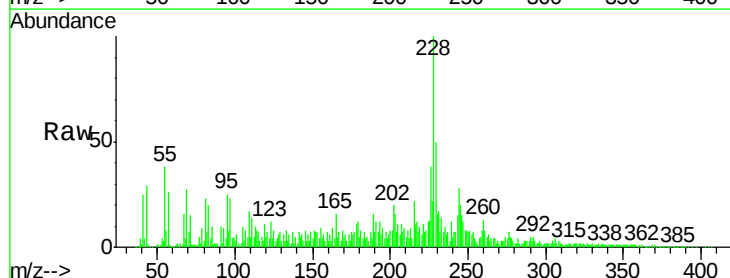
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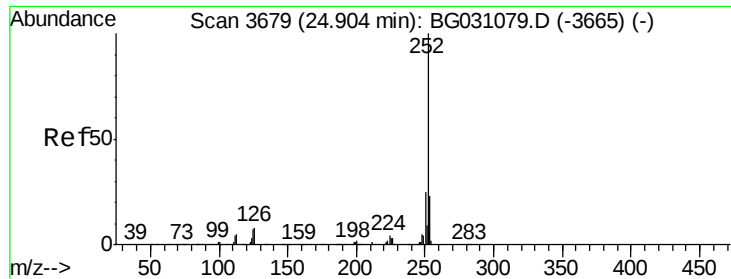
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#22
Chrysene
Concen: 29.58 ng/ul m
RT: 21.86 min Scan# 3161
Delta R.T. 0.05 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.8	25.0	37.6#
229	49.7	16.6	25.0#





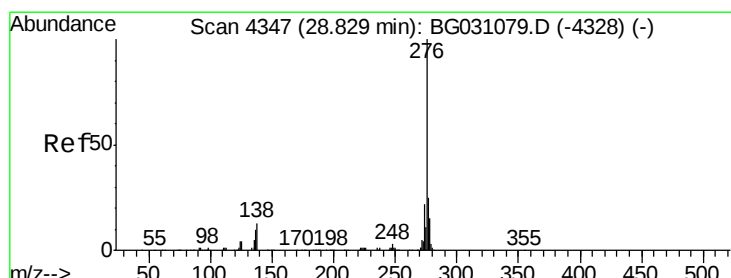
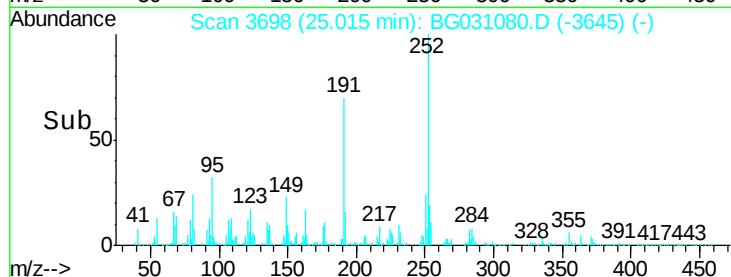
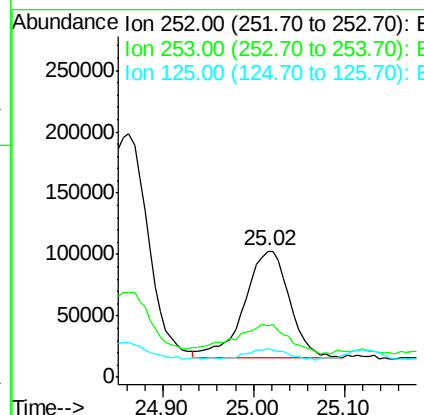
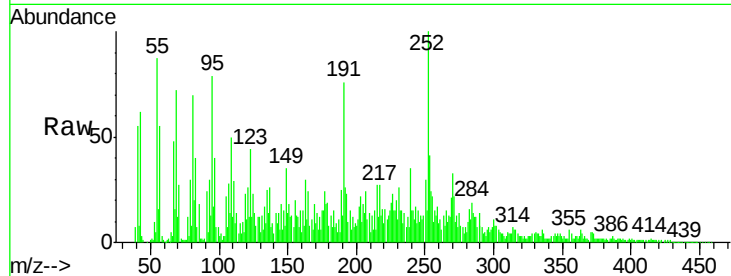
#27
Benzo(a)pyrene
Concen: 12.92 ng/ul
RT: 25.02 min Scan# 3698
Delta R.T. 0.11 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Instrument :
BNA_G
ClientSampled :
B0F81

Tot Ion	Ratio	Lower	Upper
252	100		
253	41.0	17.1	25.7#
125	22.7	9.4	14.2#

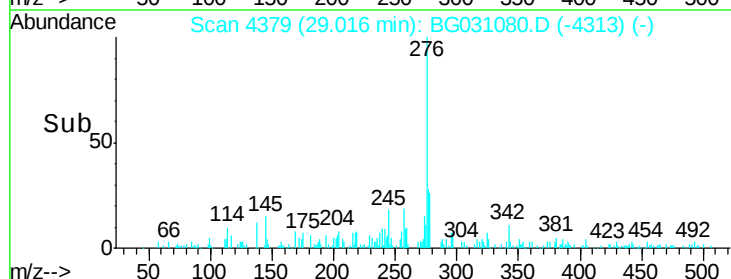
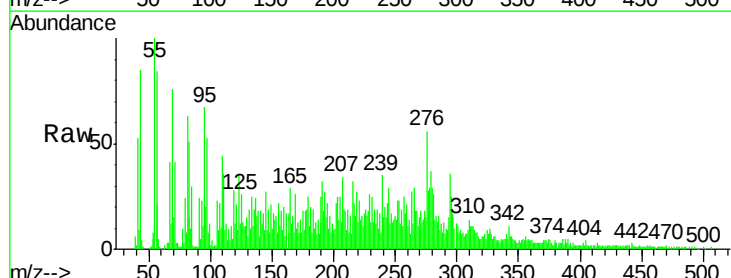
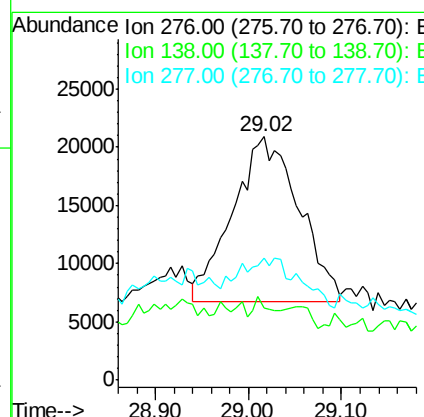
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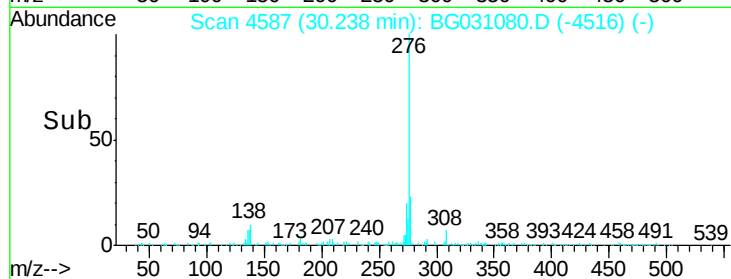
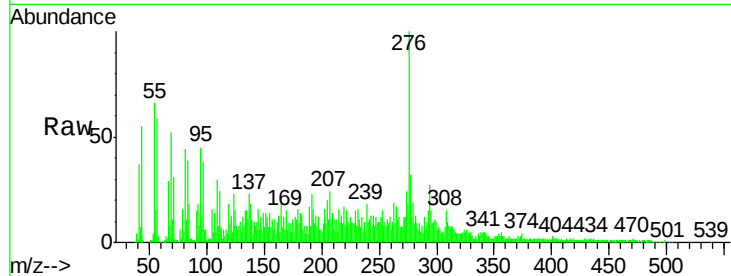
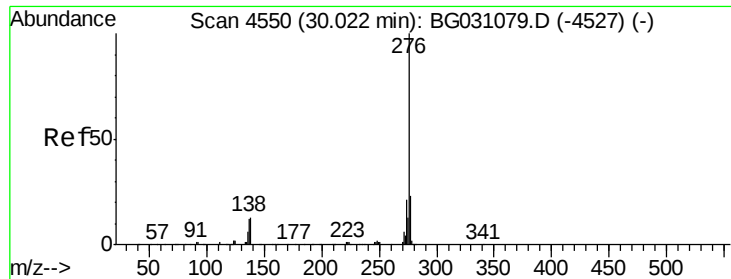
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#28
Indeno(1,2,3-cd)pyrene
Concen: 2.62 ng/ul m
RT: 29.02 min Scan# 4379
Delta R.T. 0.19 min
Lab File: BG031080.D
Acq: 17 Nov 2017 13:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.4	17.8	26.6#
277	50.2	19.4	29.0#





#30

Benzo(a,h,i)perylene

Concen: 10.10 ng/ul m

RT: 30.24 min Scan# 4587

Delta R.T. 0.22 min

Lab File: BG031080.D

Acq: 17 Nov 2017 13:46

Instrument :

BNA_G

ClientSampleId :

B0F81

Tot Ion: 276 Resp: 223347

Ion Ratio Lower Upper

276 100

138 18.2 19.0 28.4#

277 32.2 19.7 29.5#

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