

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051817\
 Data File : BG027032.D
 Acq On : 19 May 2017 9:46
 Operator : SJ/MA
 Sample : I3136-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DAC29

Manual Integrations
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Quant Time: May 19 11:58:13 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 19 04:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	238331	20.00	ng/ul	0.00
2) Naphthalene-d8	10.81	136	1112908	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.62	164	577522	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.36	188	1050392	20.00	ng/ul	0.00
17) Chrysene-d12	21.60	240	932468	20.00	ng/ul	0.00
22) Perylene-d12	24.77	264	916085	20.00	ng/ul	0.01

System Monitoring Compounds

7) Acenaphthylene-d8	14.32	160	1173639	19.81	ng/ul	0.00
10) Fluorene-d10	15.61	176	750878	19.00	ng/ul	0.00
14) Anthracene-d10	17.45	188	1020736m	19.93	ng/ul	0.00
18) Pyrene-d10	19.73	212	969939	19.92	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.56	264	895451	19.67	ng/ul	0.01

Target Compounds

						Qvalue
9) Acenaphthene	14.68	153	41139	1.01	ng/ul	98
11) Fluorene	15.66	166	47222	1.09	ng/ul	97
13) Phenanthrene	17.40	178	853856	14.54	ng/ul	99
15) Anthracene	17.49	178	179978	2.98	ng/ul	100
16) Fluoranthene	19.40	202	914135	15.23	ng/ul#	91
19) Pyrene	19.76	202	741806	12.17	ng/ul#	87
20) Benzo(a)anthracene	21.58	228	354942	6.32	ng/ul	97
21) Chrysene	21.65	228	357830	6.94	ng/ul	98
23) Benzo(b)fluoranthene	23.77	252	458329	8.42	ng/ul#	92
24) Benzo(k)fluoranthene	23.82	252	171701m	3.07	ng/ul	
26) Benzo(a)pyrene	24.63	252	291092	5.46	ng/ul#	90
27) Indeno(1,2,3-cd)pyrene	28.38	276	147340	3.01	ng/ul#	76
29) Benzo(g,h,i)perylene	29.51	276	132118m	3.39	ng/ul	

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

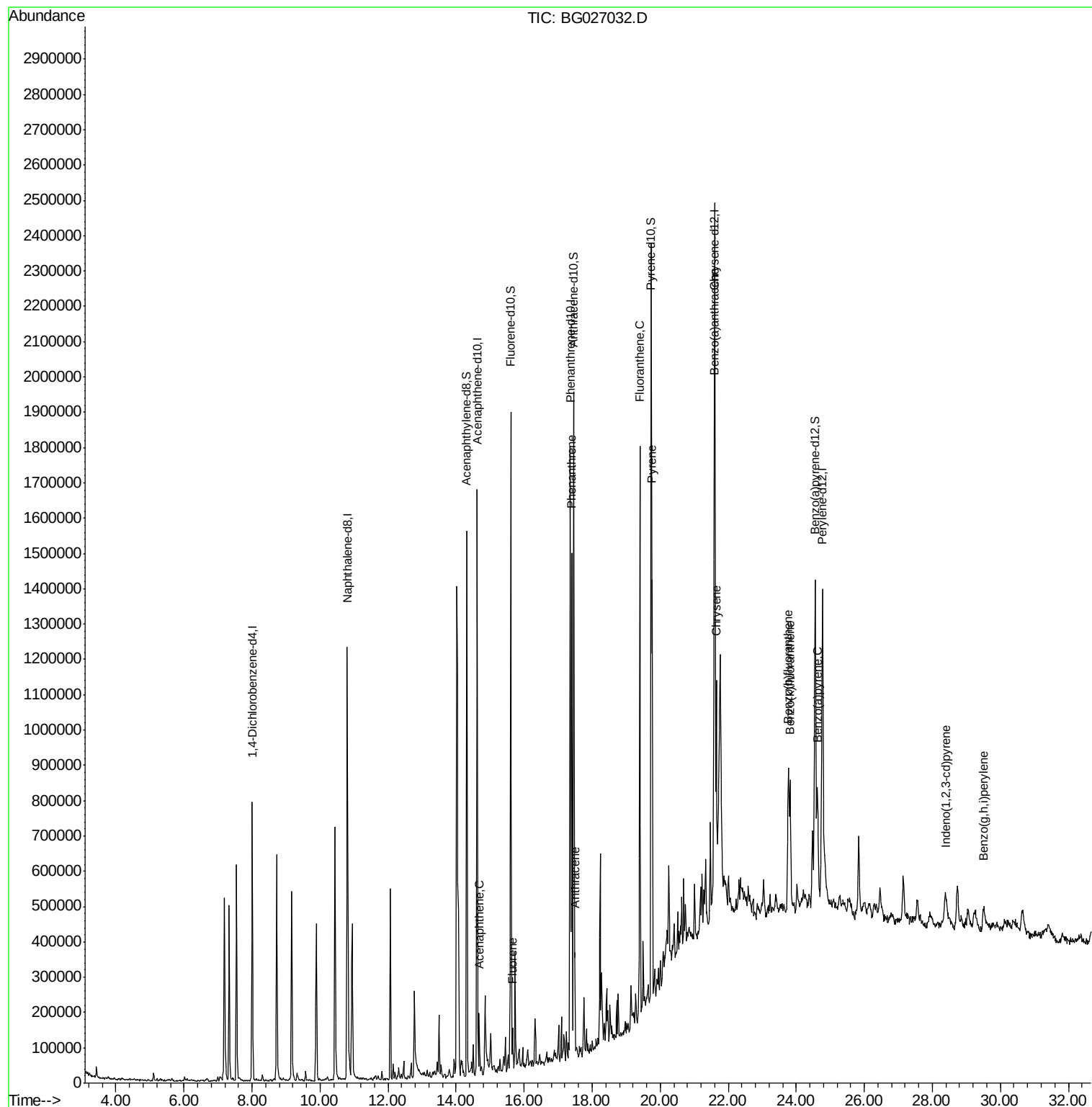
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051817\
Data File : BG027032.D
Acq On : 19 May 2017 9:46
Operator : SJ/MA
Sample : I3136-19
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ALS Vial : 31 Sample Multiplier: 1

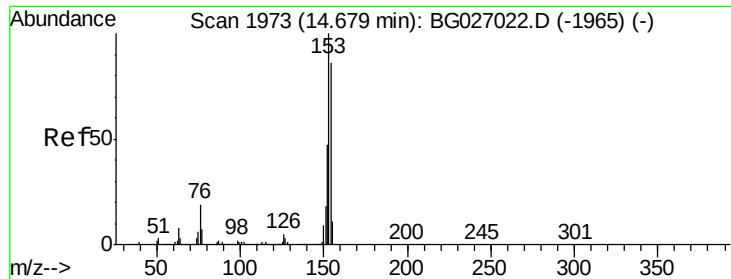
Instrument :
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Quant Time: May 19 11:58:13 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG051817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 19 04:25:04 2017
Response via : Initial Calibration





#9

Acenaphthene

Concen: 1.01 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. -0.00 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

BNA_G

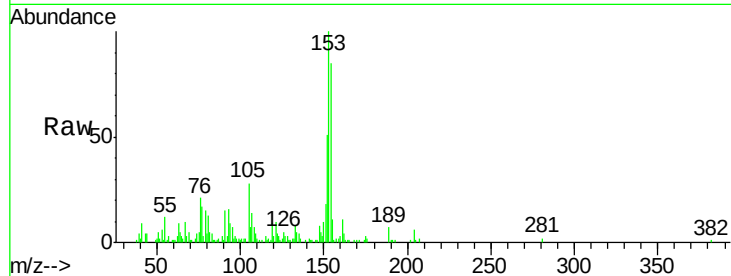
ClientSampleId :

DAC29

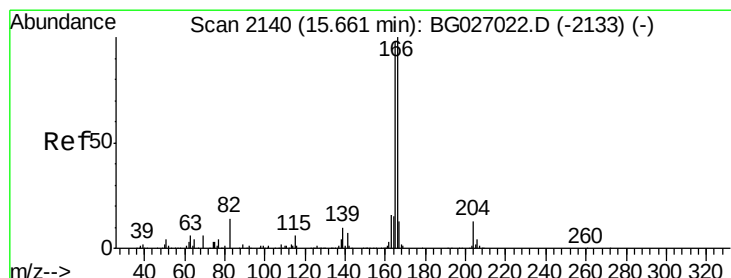
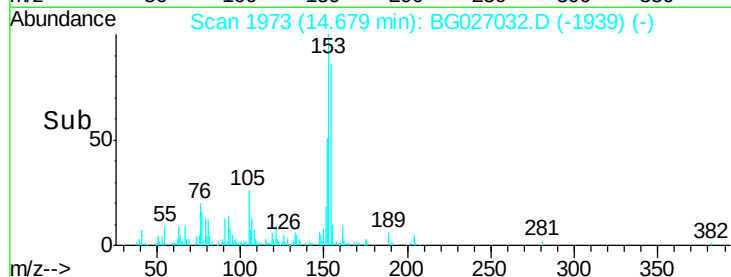
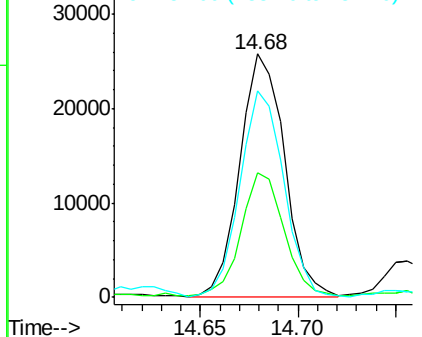
Tgt Ion:	153	Resp:	41139
Ion Ratio	Lower	Upper	
153	100		
152	51.4	39.0	58.6
154	84.7	66.8	100.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#11

Fluorene

Concen: 1.09 ng/ul

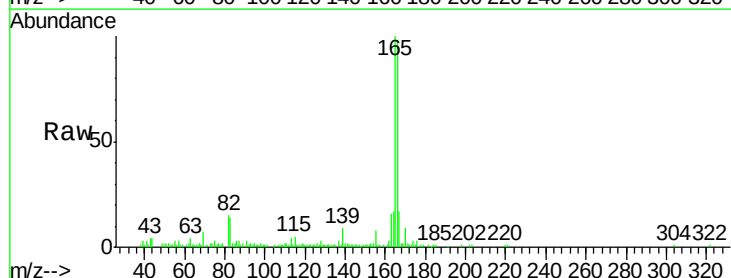
RT: 15.66 min Scan# 2140

Delta R.T. -0.00 min

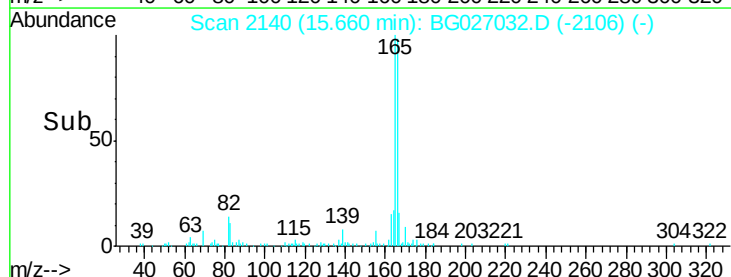
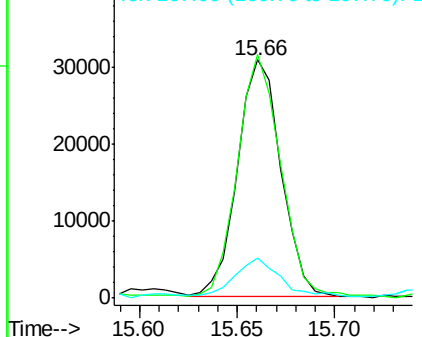
Lab File: BG027032.D

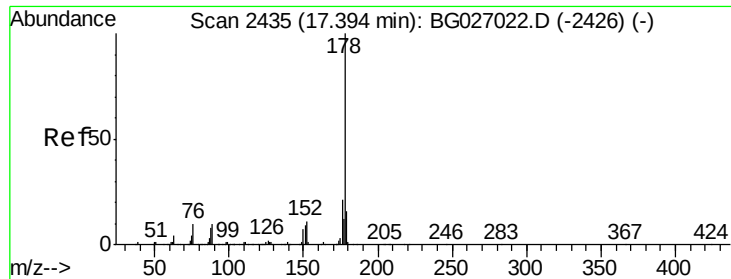
Acq: 19 May 2017 9:46

Tgt Ion:	166	Resp:	47222
Ion Ratio	Lower	Upper	
166	100		
165	102.2	83.8	125.8
167	17.0	11.5	17.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





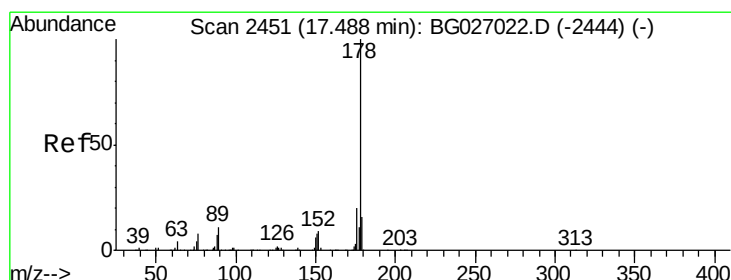
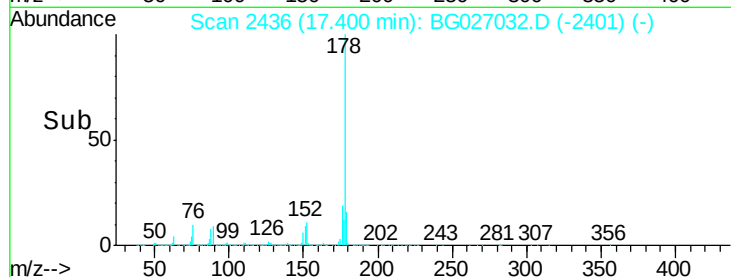
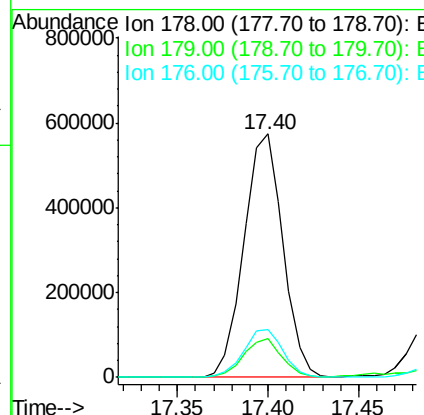
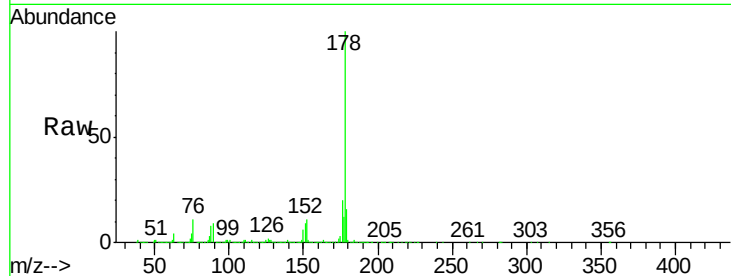
#13
Phenanthrene
Concen: 14.54 ng/ul
RT: 17.40 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BG027032.D
Acq: 19 May 2017 9:46

Instrument :
BNA_G
ClientSampleId :
DAC29

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	16.1	12.3	18.5
176	19.5	15.1	22.7

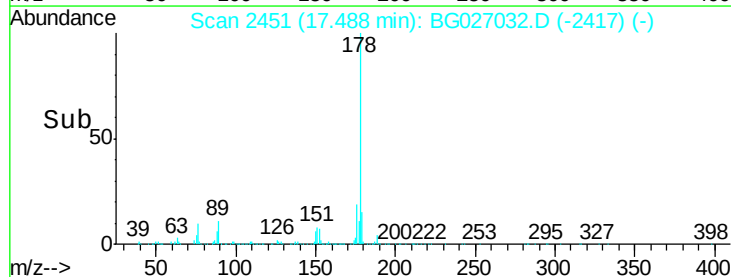
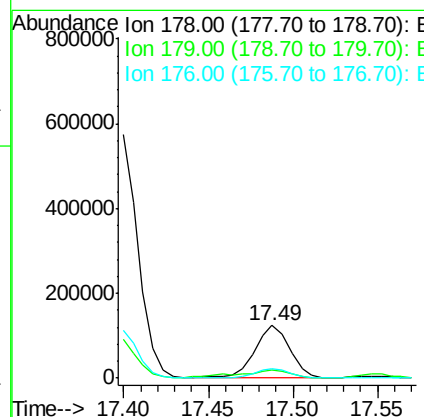
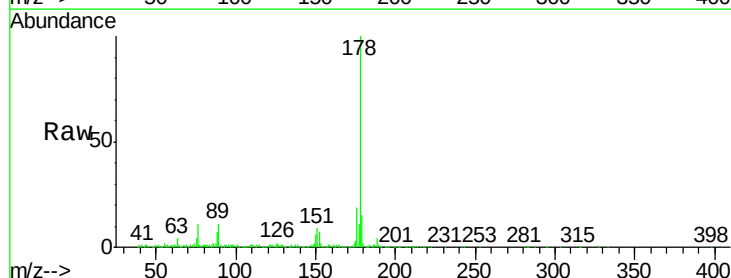
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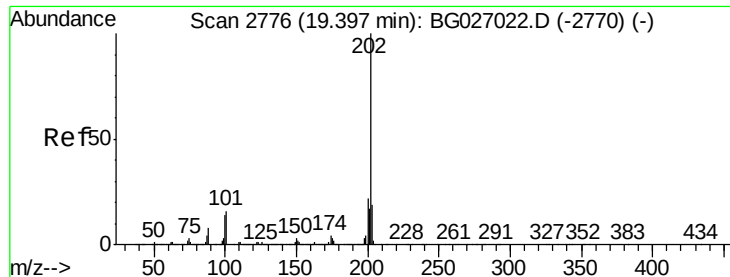
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#15
Anthracene
Concen: 2.98 ng/ul
RT: 17.49 min Scan# 2451
Delta R.T. -0.00 min
Lab File: BG027032.D
Acq: 19 May 2017 9:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
179	15.2	11.8	17.8
176	19.0	15.2	22.8





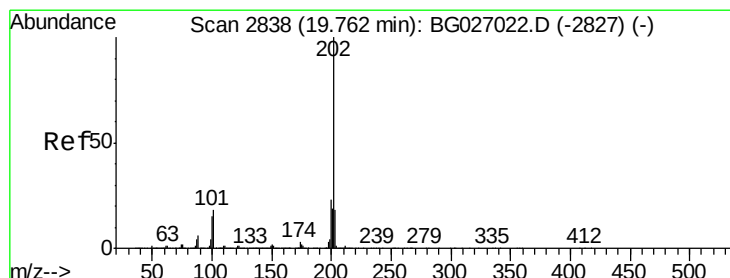
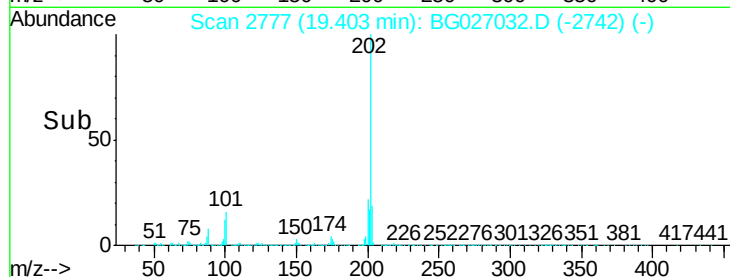
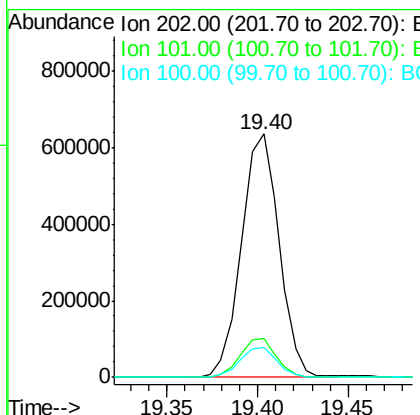
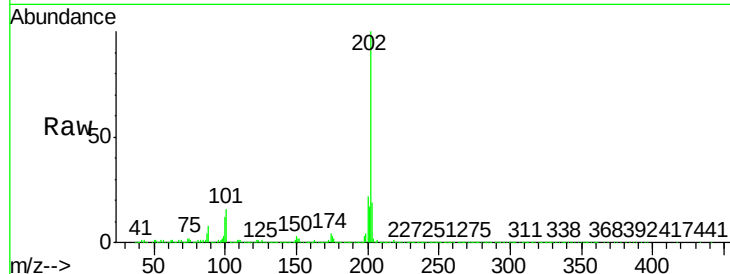
#16
 Fluoranthene
 Concen: 15.23 ng/ul
 RT: 19.40 min Scan# 2777
 Delta R.T. 0.01 min
 Lab File: BG027032.D
 Acq: 19 May 2017 9:46

Instrument :
 BNA_G
 ClientSampleId :
 DAC29

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.0	9.9	14.9#
100	12.2	7.4	11.0#

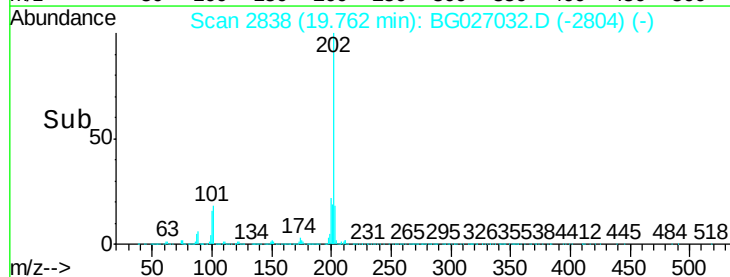
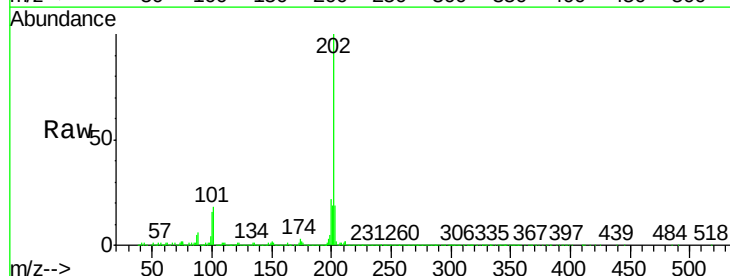
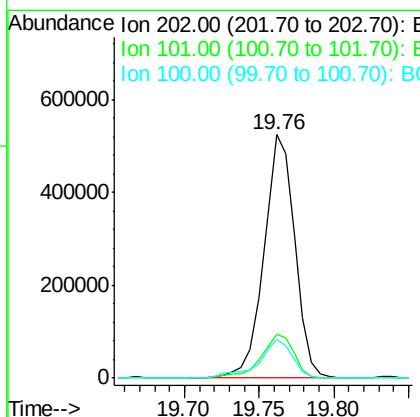
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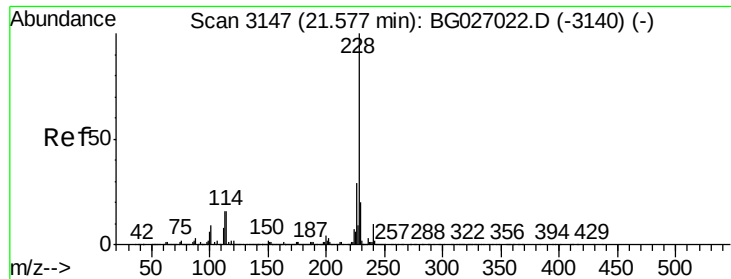
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#19
 Pyrene
 Concen: 12.17 ng/ul
 RT: 19.76 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG027032.D
 Acq: 19 May 2017 9:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	18.2	11.0	16.4#
100	16.2	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 6.32 ng/ul

RT: 21.58 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

BNA_G

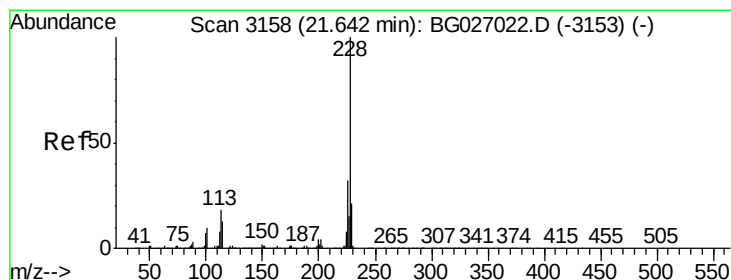
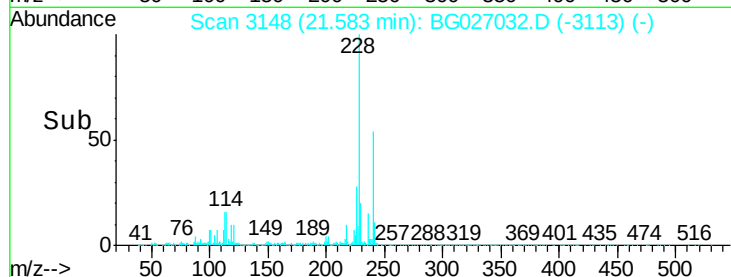
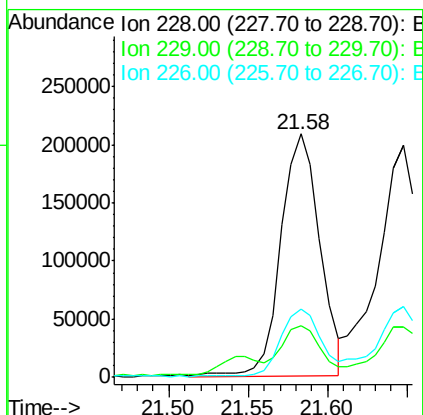
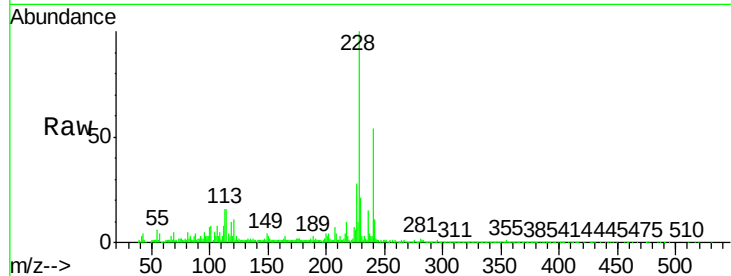
ClientSampleId :

DAC29

Tgt Ion:	228	Resp:	354942
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.7	23.5
226	28.3	21.1	31.7

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#21

Chrysene

Concen: 6.94 ng/ul

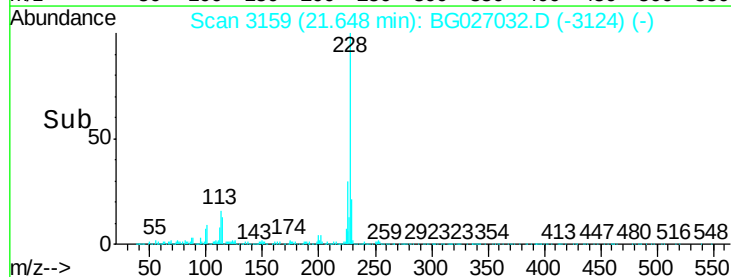
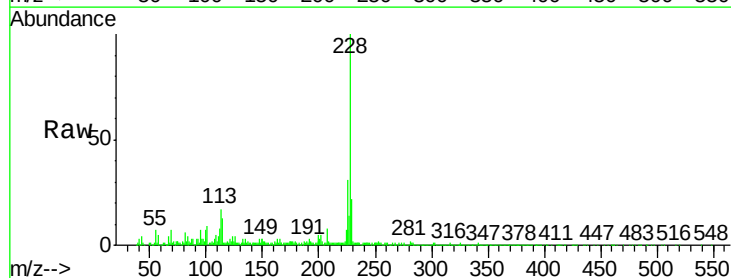
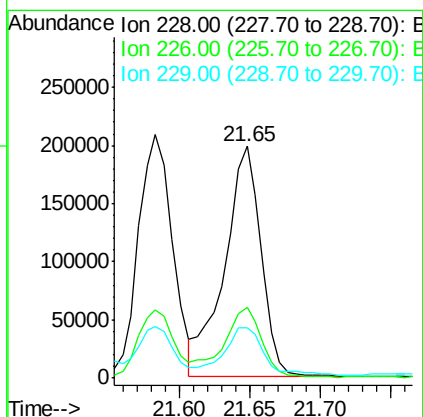
RT: 21.65 min Scan# 3159

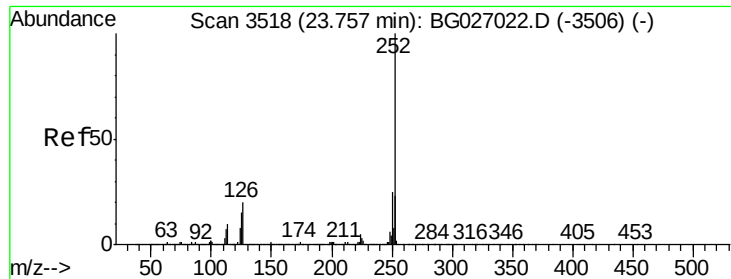
Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Tgt Ion:	228	Resp:	357830
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.5	36.7
229	22.0	15.8	23.8





#23

Benzo(b)fluoranthene

Concen: 8.42 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG027032.D

Acq: 19 May 2017 9:46

Instrument :

BNA_G

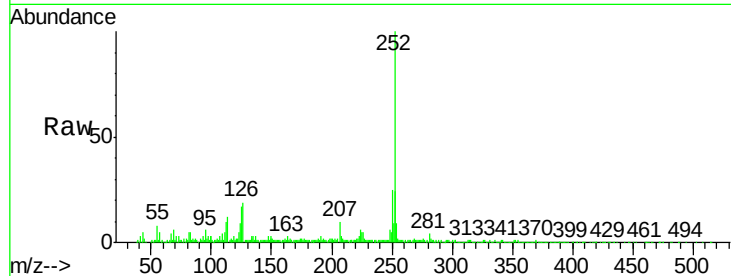
ClientSampleId :

DAC29

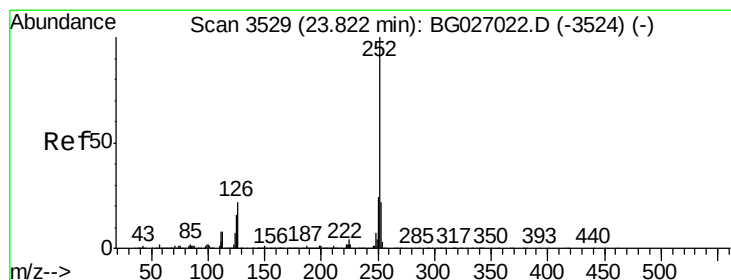
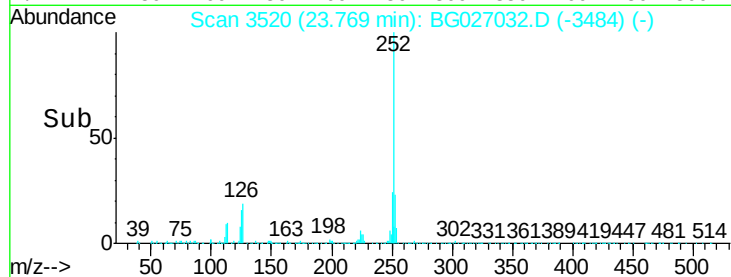
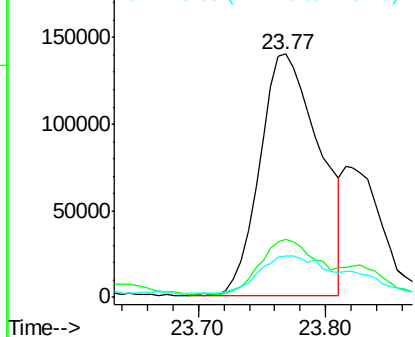
Tgt Ion:	252	Resp:	458329
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	16.8	8.0	12.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 3.07 ng/ul m

RT: 23.82 min Scan# 3528

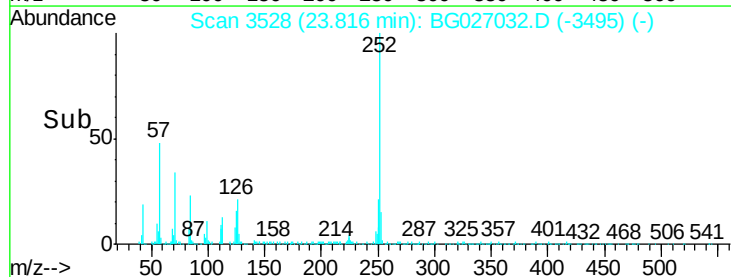
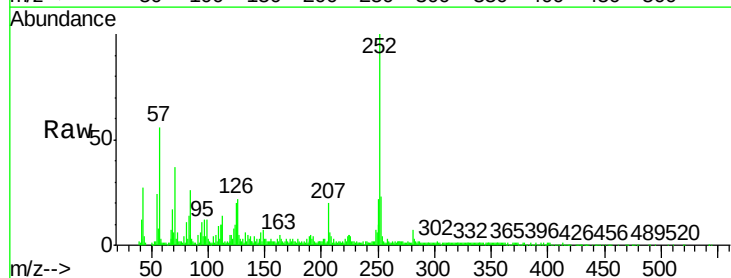
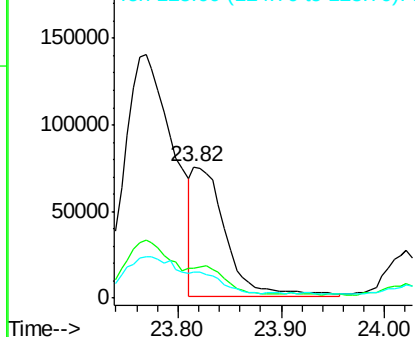
Delta R.T. -0.01 min

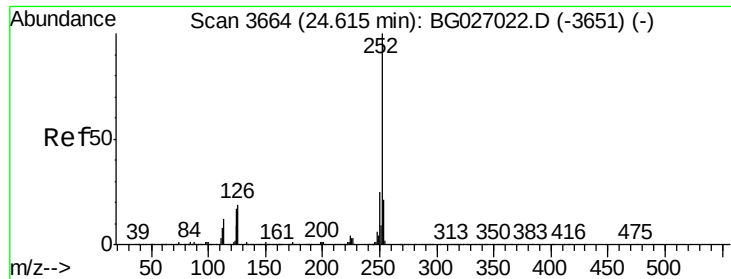
Lab File: BG027032.D

Acq: 19 May 2017 9:46

Tgt Ion:	252	Resp:	171701
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	19.6	8.1	12.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





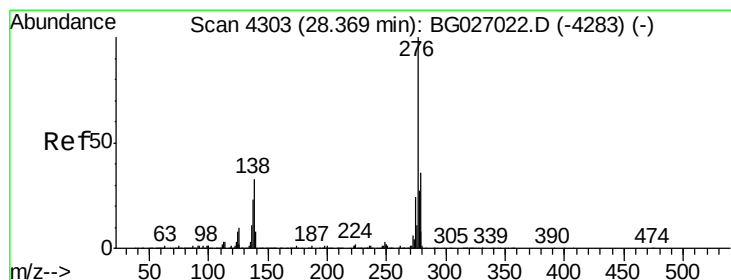
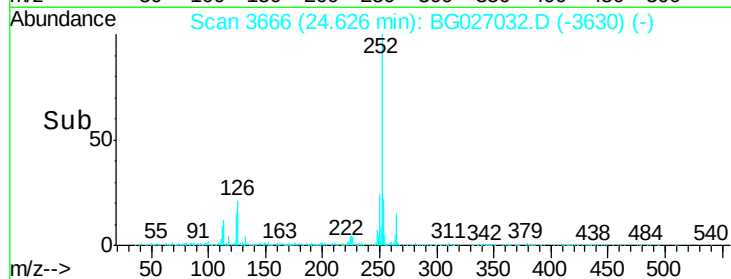
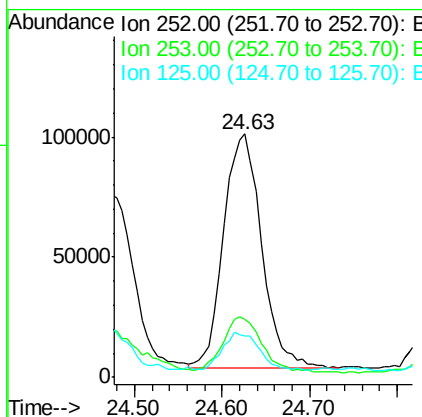
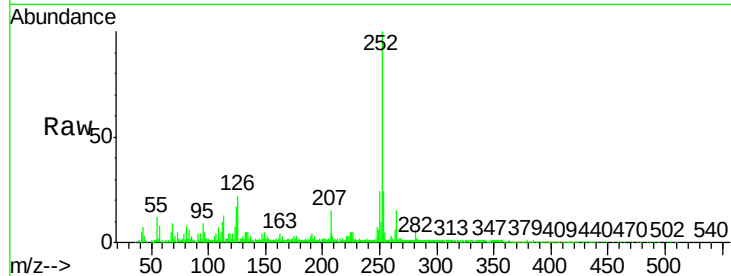
#26
Benzo(a)pyrene
Concen: 5.46 ng/ul
RT: 24.63 min Scan# 3666
Delta R.T. 0.01 min
Lab File: BG027032.D
Acq: 19 May 2017 9:46

Instrument :
BNA_G
ClientSampleId :
DAC29

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	17.2	25.8
125	17.2	8.2	12.4

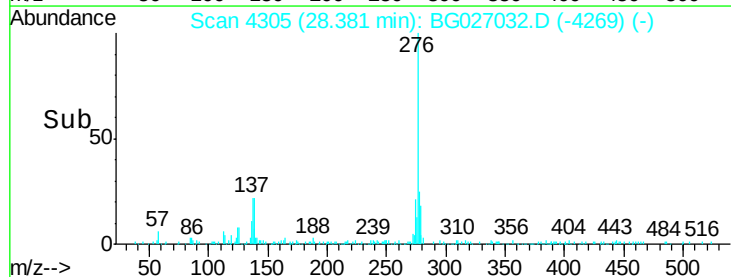
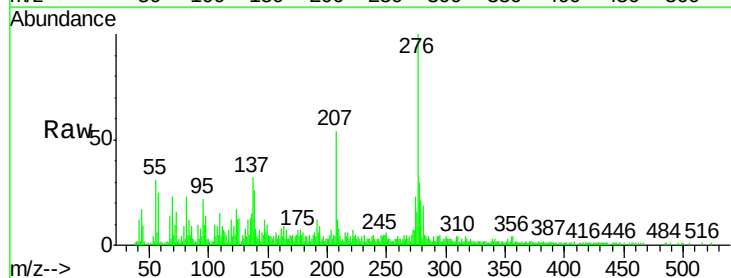
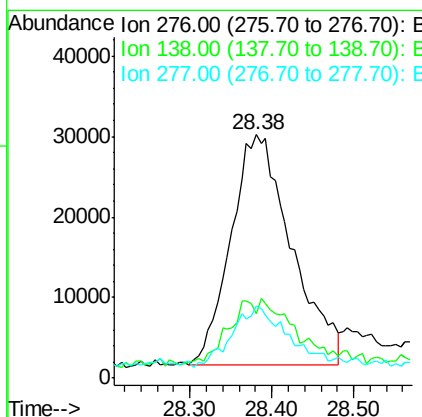
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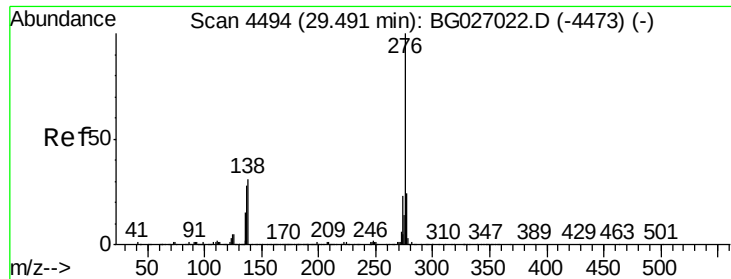
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#27
Indeno(1,2,3-cd)pyrene
Concen: 3.01 ng/ul
RT: 28.38 min Scan# 4305
Delta R.T. 0.01 min
Lab File: BG027032.D
Acq: 19 May 2017 9:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	33.4	14.4	21.6
277	29.6	18.0	27.0





#29

Benzo(g,h,i)perylene

Concen: 3.39 ng/ul m

RT: 29.51 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BG027032.D

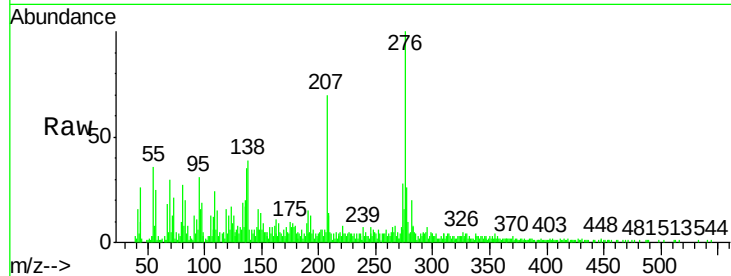
Acq: 19 May 2017 9:46

Instrument :

BNA_G

ClientSampleId :

DAC29



Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.1	15.3	22.9#
277	26.3	19.0	28.4

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