

Data Path : Z:\HPCHEM1\BNA G\DATA\BG102817\
 Data File : BG030534.D
 Acq On : 28 Oct 2017 19:22
 Operator : SJ/JU
 Sample : I6029-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 06:47:41 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

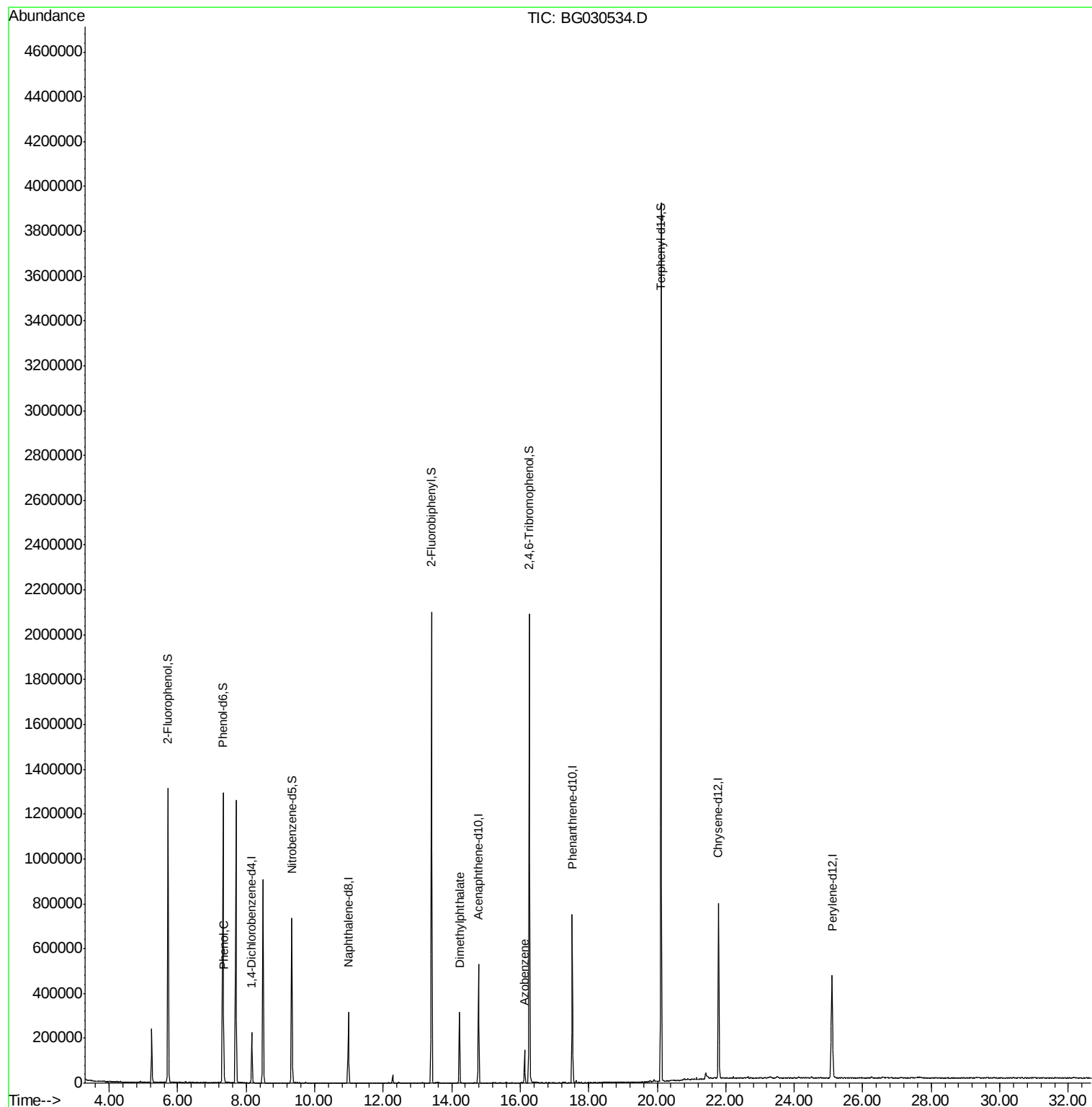
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	64994	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	281680	20.00	ng	0.00
38) Acenaphthene-d10	14.78	164	186272	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	472281	20.00	ng	0.00
75) Chrysene-d12	21.79	240	496842	20.00	ng	-0.01
86) Perylene-d12	25.10	264	501960	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	597704	153.63	ng	0.00
7) Phenol-d6	7.32	99	788425	144.37	ng	0.00
23) Nitrobenzene-d5	9.33	82	448776	101.24	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	406775	169.14	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	1136525	89.49	ng	0.00
78) Terphenyl-d14	20.11	244	1855126	84.94	ng	-0.01
Target Compounds						
10) Phenol	7.35	94	41888	7.115	ng	96
49) Dimethylphthalate	14.23	163	229455	15.788	ng	100
62) Azobenzene	16.12	77	39982	3.273	ng	# 1

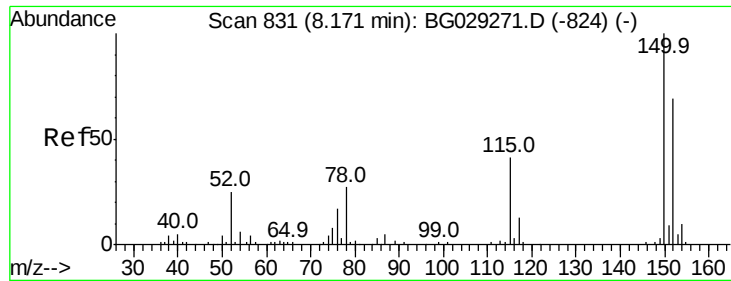
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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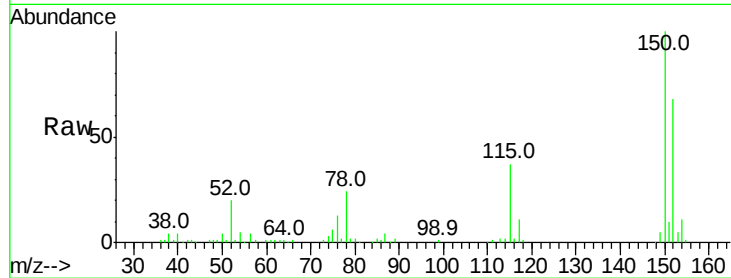


#1

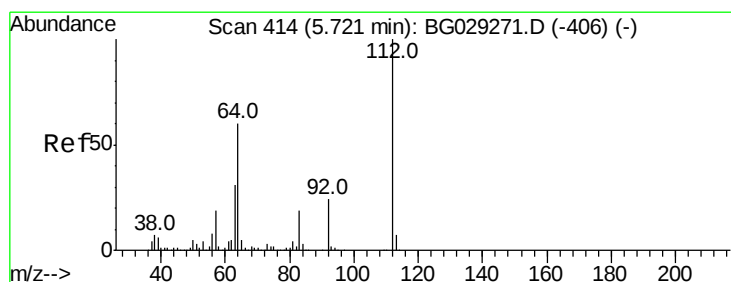
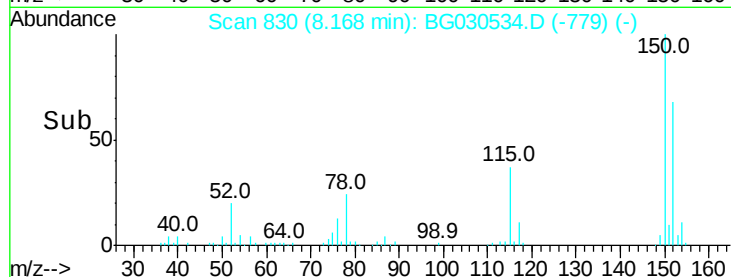
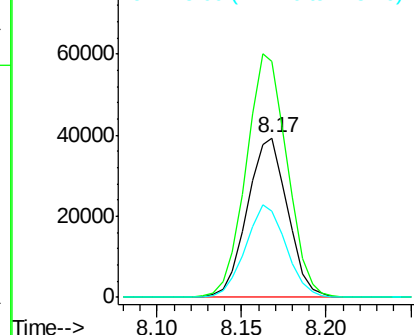
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG030534.D
Acq: 28 Oct 2017 19:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64994
Ion Ratio Lower Upper
152 100
150 148.0 126.6 189.8
115 54.4 53.0 79.4



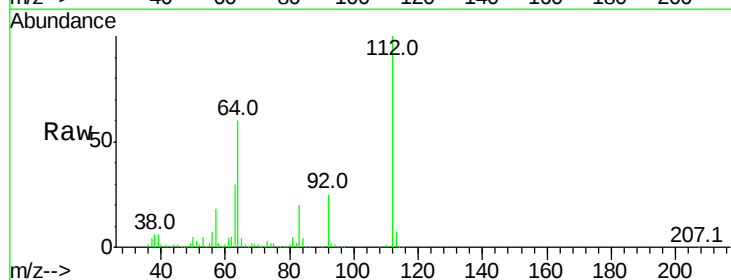
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



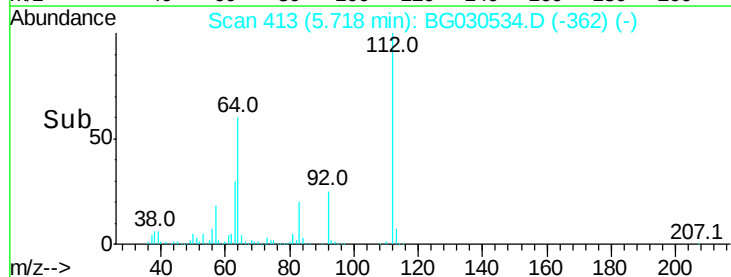
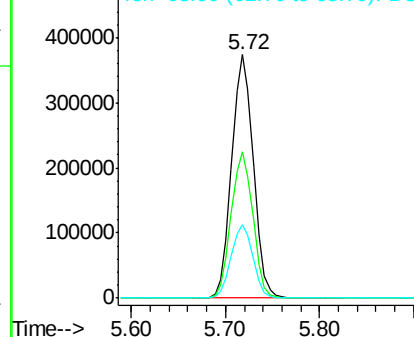
#5

2-Fluorophenol
Concen: 153.629 ng
RT: 5.72 min Scan# 413
Delta R.T. -0.00 min
Lab File: BG030534.D
Acq: 28 Oct 2017 19:22

Tgt Ion:112 Resp: 597704
Ion Ratio Lower Upper
112 100
64 59.9 56.3 84.5
63 30.4 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 144.373 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

Instrument :

BNA_G

ClientSampled :

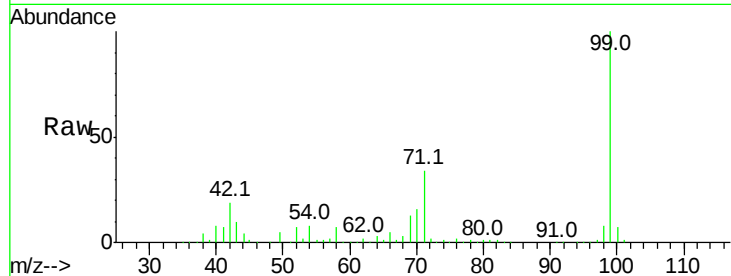
Tot Ion: 99 Resp: 788425

Ion Ratio Lower Upper

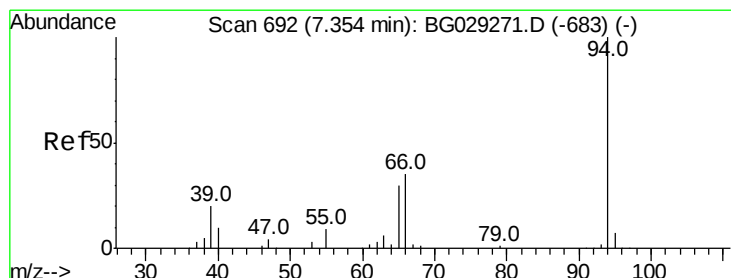
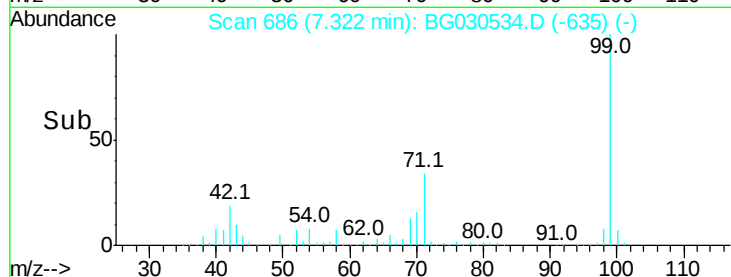
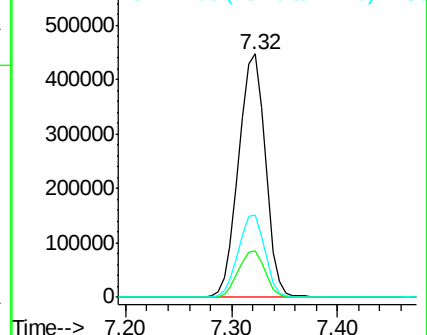
99 100

42 19.2 14.1 21.1

71 33.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 7.115 ng

RT: 7.35 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

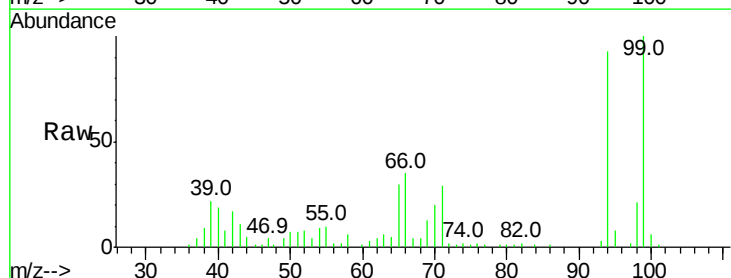
Tgt Ion: 94 Resp: 41888

Ion Ratio Lower Upper

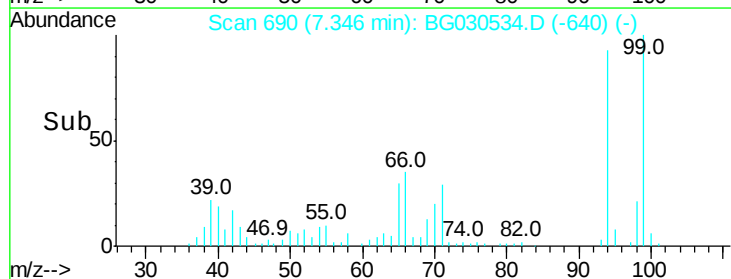
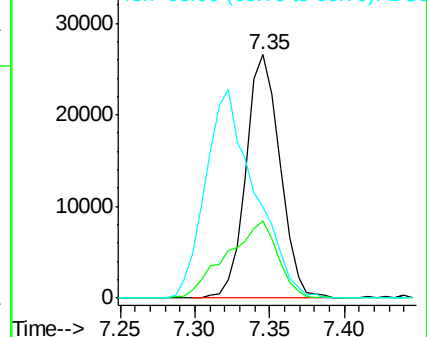
94 100

65 31.9 11.9 51.9

66 37.4 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

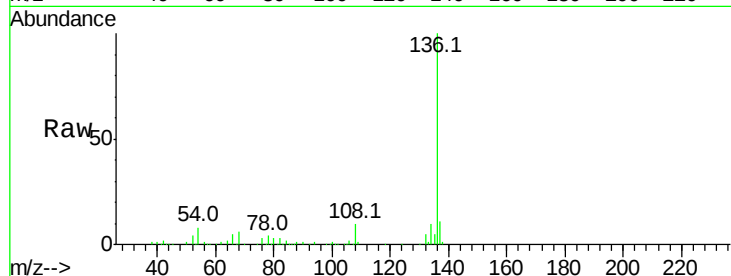




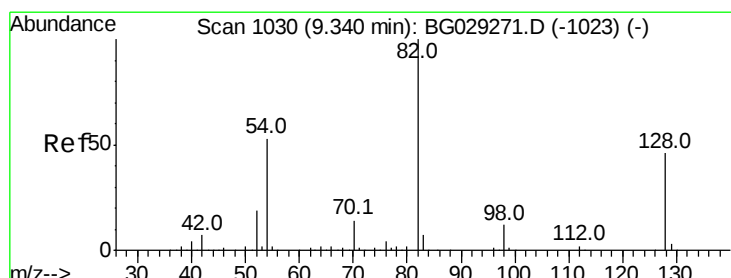
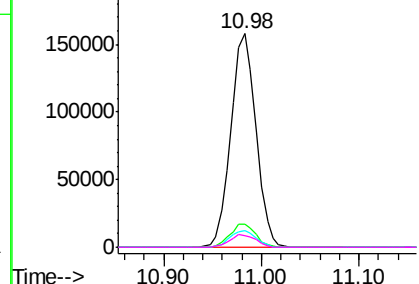
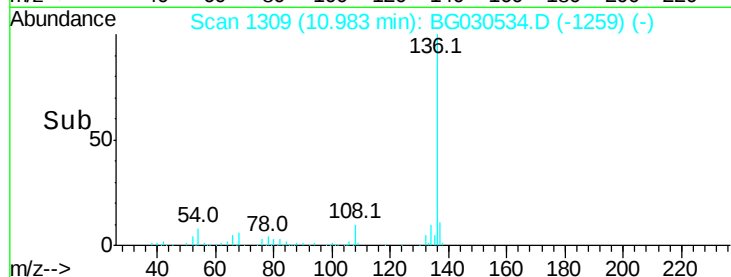
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG030534.D
Acq: 28 Oct 2017 19:22

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	281680
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	8.0	10.3	15.5#
68	5.7	4.5	6.7

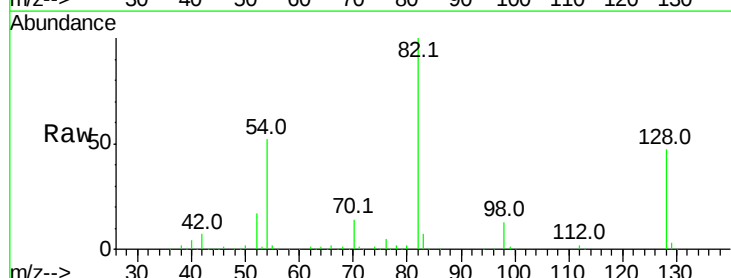


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

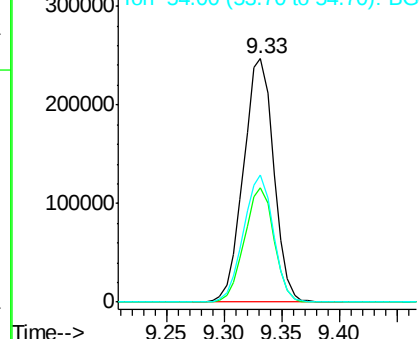
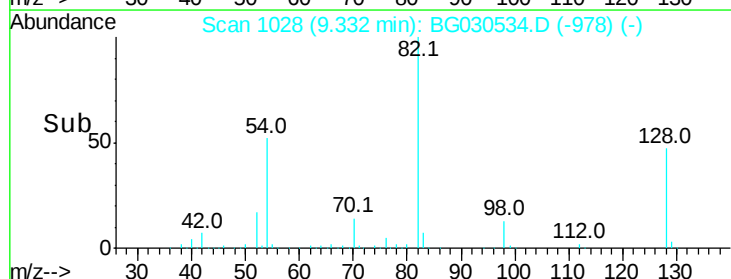


#23
Nitrobenzene-d5
Concen: 101.244 ng
RT: 9.33 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG030534.D
Acq: 28 Oct 2017 19:22

Tgt Ion:	82	Resp:	448776
Ion	Ratio	Lower	Upper
82	100		
128	47.0	29.7	44.5#
54	52.2	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

Instrument :

BNA_G

ClientSampleId :

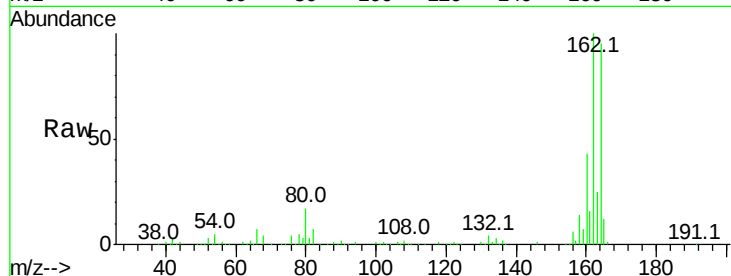
Tot Ion:164 Resp: 186272

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

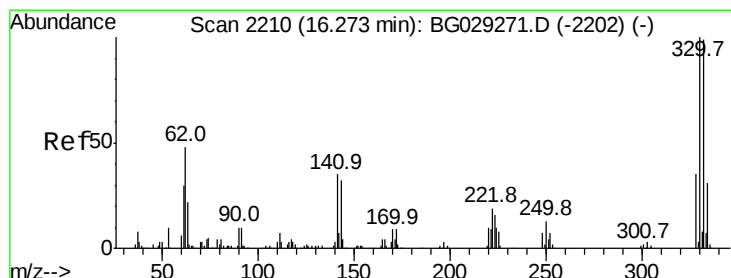
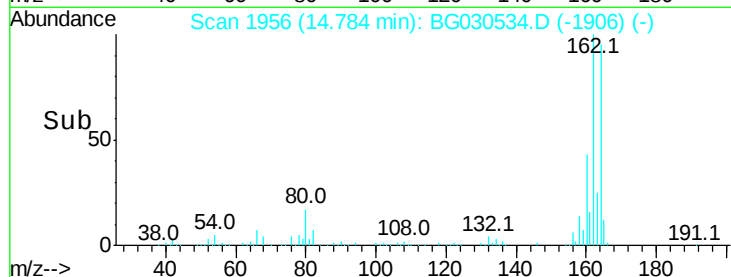
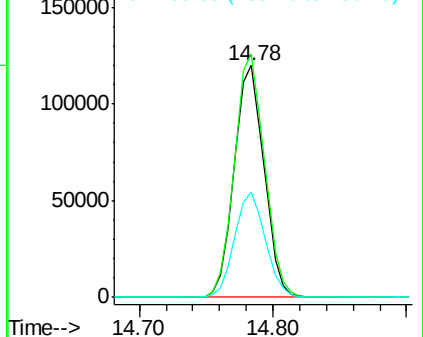
160 45.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 169.140 ng

RT: 16.26 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

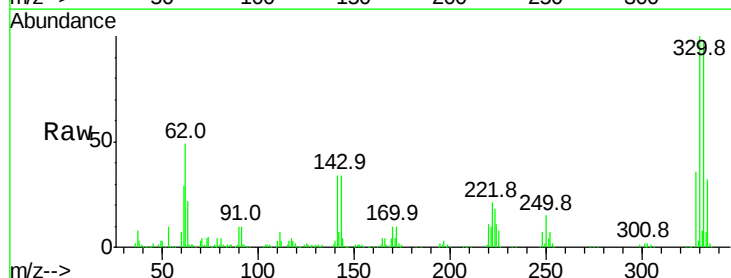
Tgt Ion:330 Resp: 406775

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

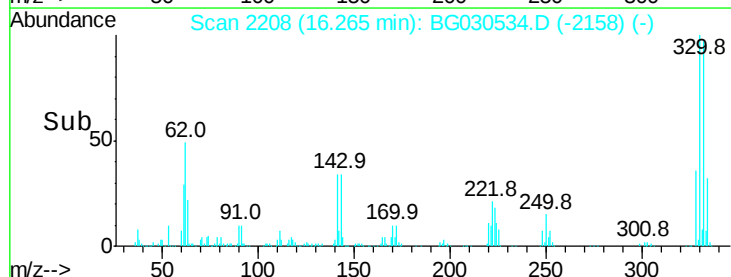
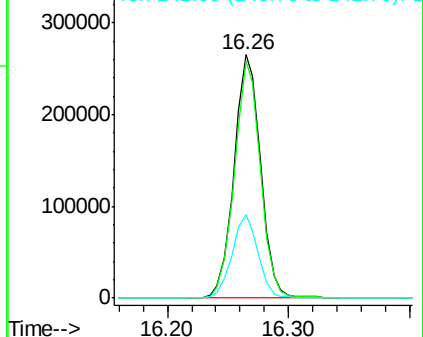
141 33.7 25.2 37.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



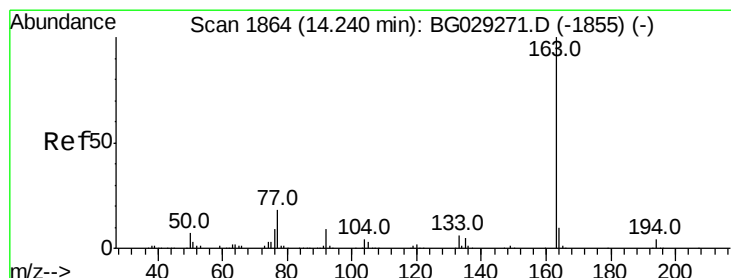
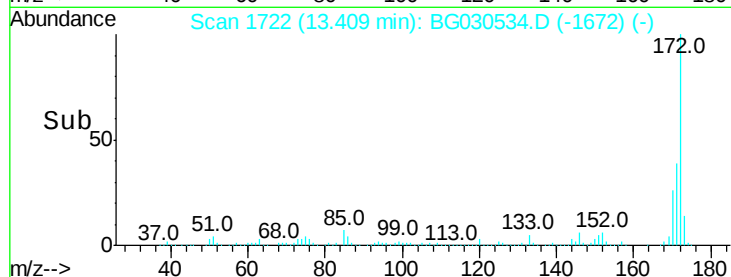
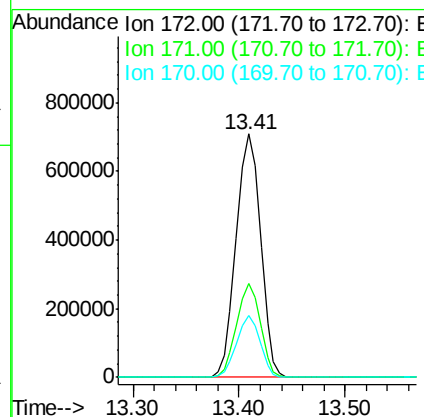
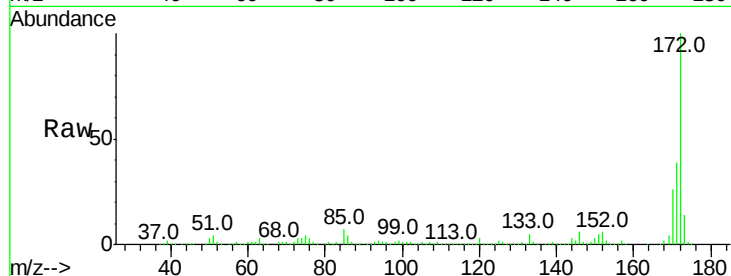


#44
 2-Fluorobiphenyl
 Concen: 89.487 ng
 RT: 13.41 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG030534.D
 Acq: 28 Oct 2017 19:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1136525

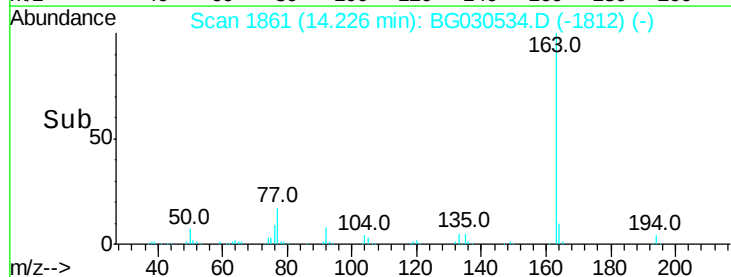
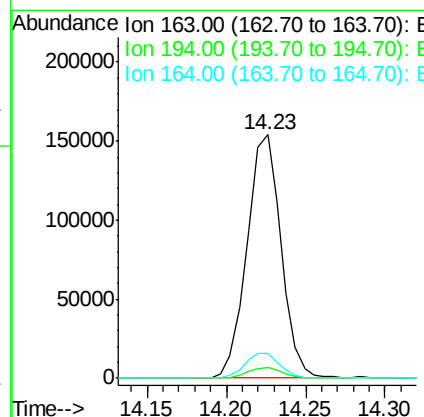
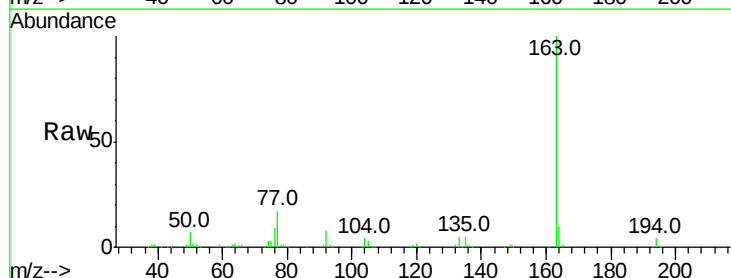
Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.0	45.0
170	25.5	19.5	29.3

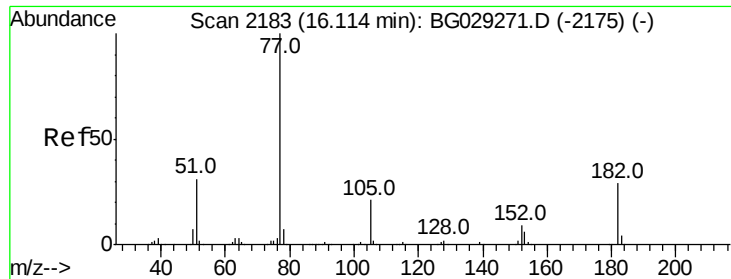


#49
 Dimethylphthalate
 Concen: 15.788 ng
 RT: 14.23 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: BG030534.D
 Acq: 28 Oct 2017 19:22

Tgt Ion:163 Resp: 229455

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.1	8.2	12.4





#62

Azobenzene

Concen: 3.273 ng

RT: 16.12 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 39982

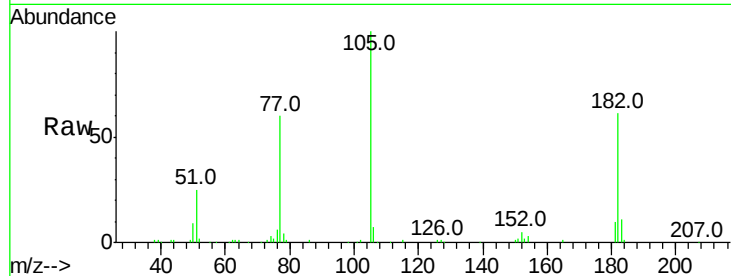
Ion Ratio Lower Upper

77 100

182 101.2 7.4 47.4#

105 166.1 0.3 40.3#

51 41.4 11.6 51.6

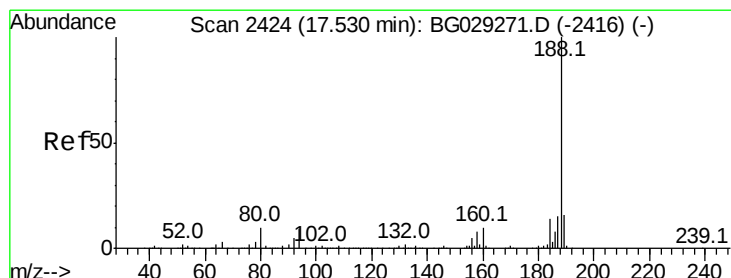
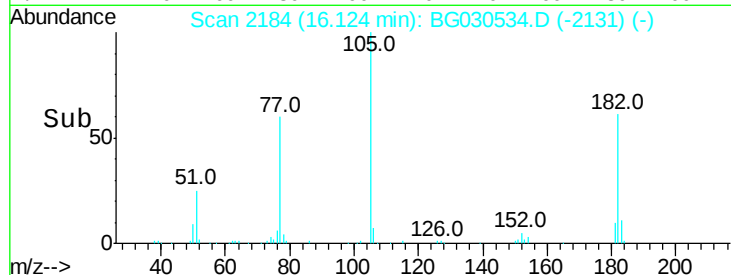
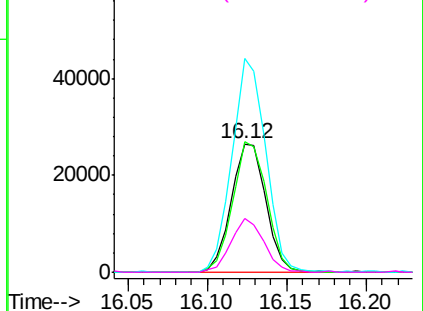


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

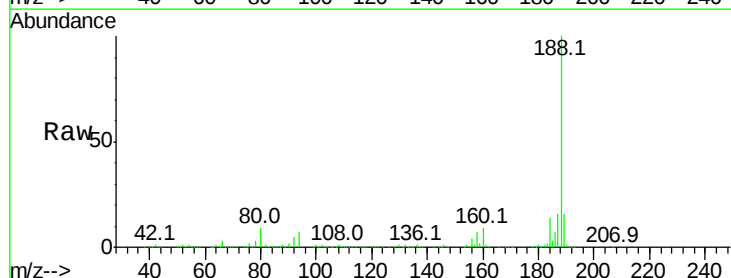
Tgt Ion: 188 Resp: 472281

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

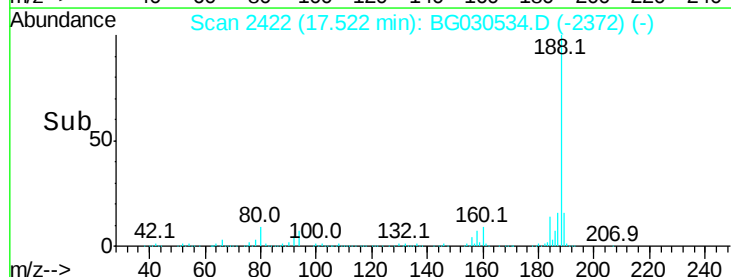
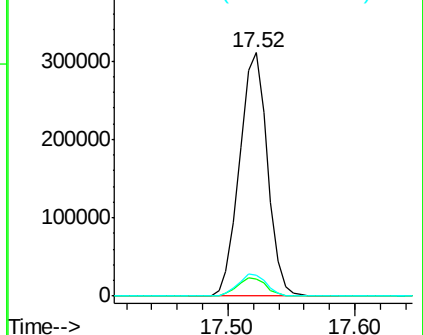
80 8.8 7.7 11.5

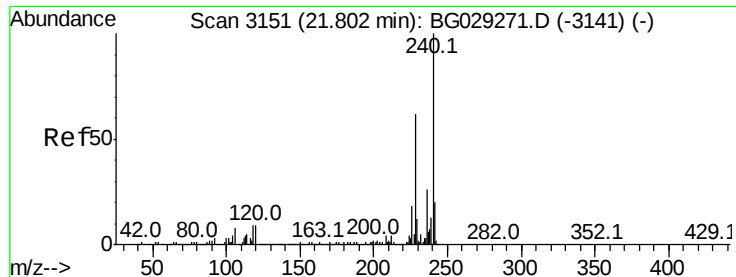


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.79 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

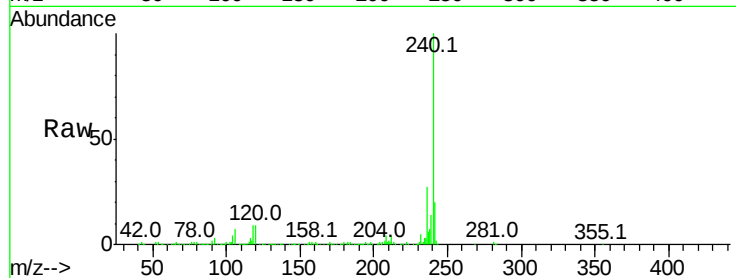
Instrument :

BNA_G

ClientSampleId :

Tot Ion:240 Resp: 496842

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.8	10.2
236	27.2	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.79

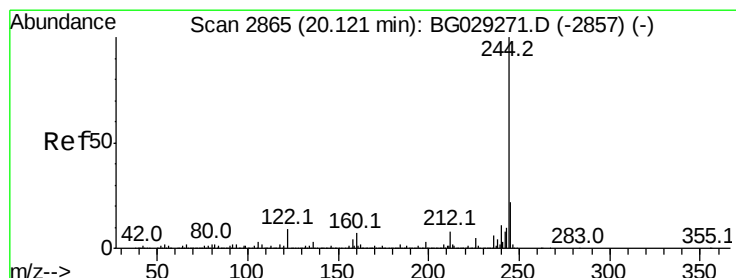
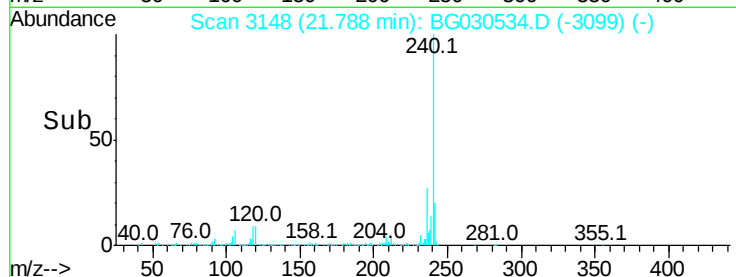
300000

200000

100000

0

Time-->



#78

Terphenyl-d14

Concen: 84.942 ng

RT: 20.11 min Scan# 2862

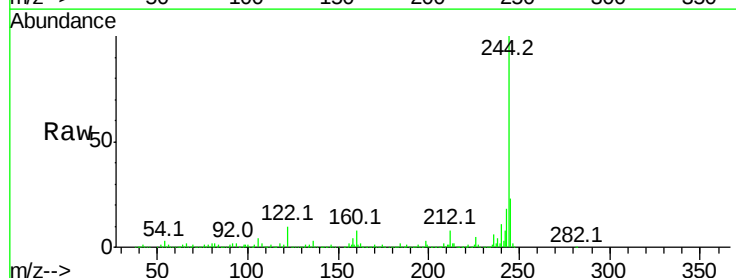
Delta R.T. -0.01 min

Lab File: BG030534.D

Acq: 28 Oct 2017 19:22

Tgt Ion:244 Resp: 1855126

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.8	8.8
122	10.3	7.0	10.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.11

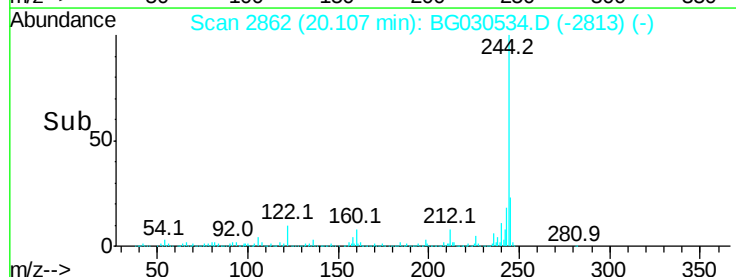
1500000

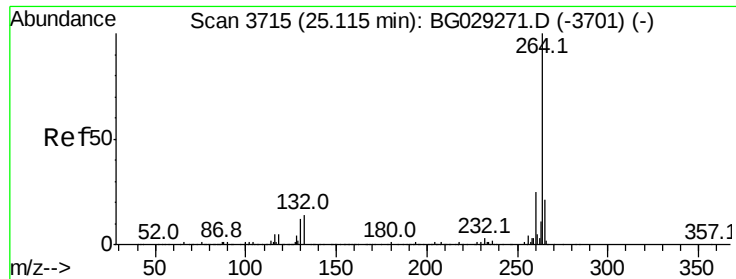
1000000

500000

0

Time-->





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.01 min
 Lab File: BG030534.D
 Acq: 28 Oct 2017 19:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	20.8	17.7	26.5

