

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042920\
 Data File : BG045212.D
 Acq On : 29 Apr 2020 19:39
 Operator : CG/JU
 Sample : L2422-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 00:48:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 29 12:24:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	56824	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	235320	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	192727	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	459307	20.00	ng	0.00
76) Chrysene-d12	21.64	240	439191	20.00	ng	0.00
87) Perylene-d12	24.81	264	472593	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	226157	65.71	ng	0.00
7) Phenol-d6	7.15	99	285093	55.75	ng	0.00
23) Nitrobenzene-d5	9.14	82	258268	50.08	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	229812	77.19	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	682685	51.94	ng	0.00
79) Terphenyl-d14	19.99	244	1271747	63.11	ng	0.00

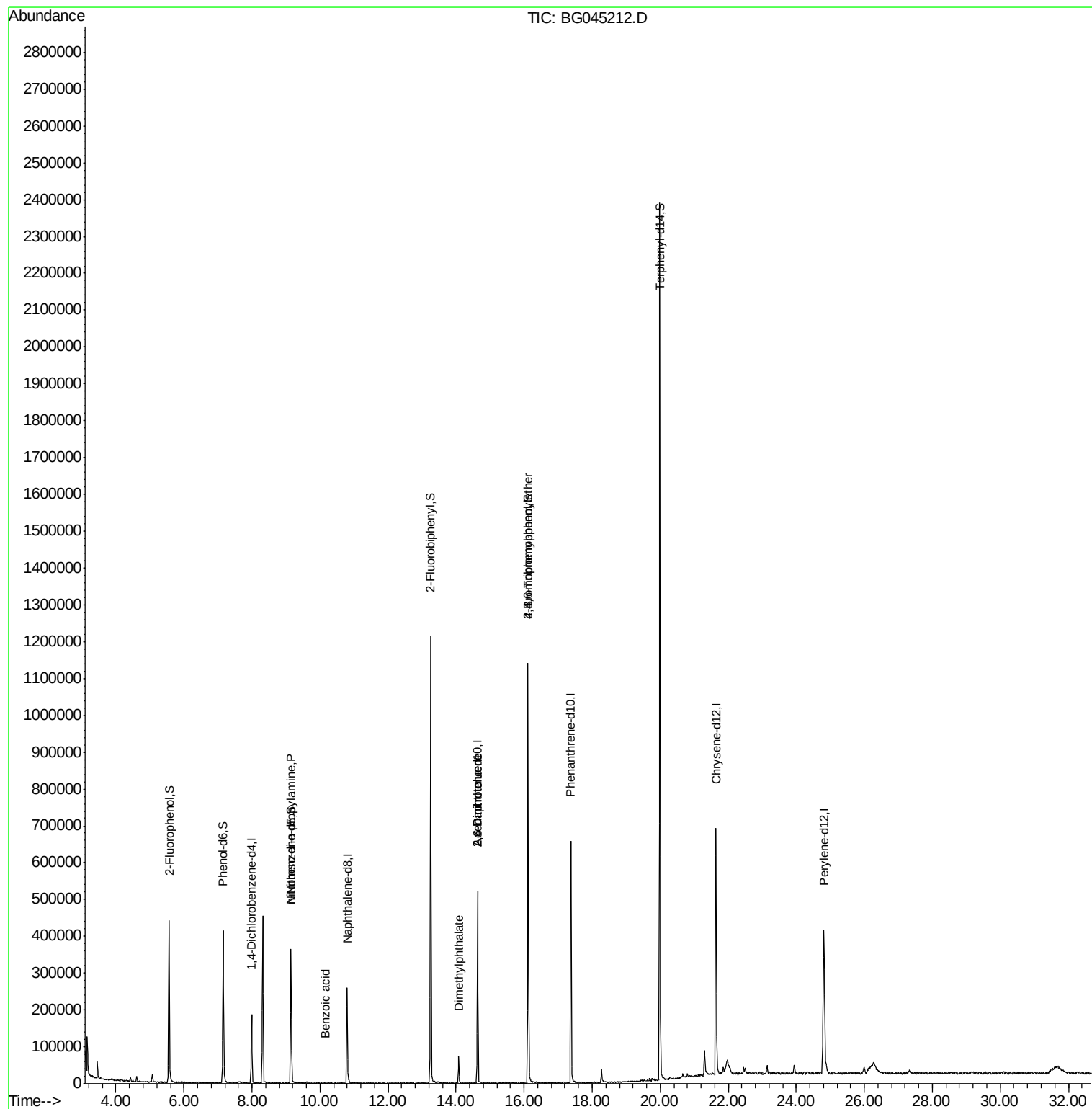
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	661	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	35113	9.709 ng	#	81
32) Benzoic acid	10.16	122	57	6.391 ng	#	1
50) Dimethylphthalate	14.08	163	54421	3.468 ng	#	98
51) 2,6-Dinitrotoluene	14.63	165	24655	7.024 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	24655	4.806 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	15388	2.597 ng	#	1
69) Atrazine	16.84	200	69	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	2840	Below Cal	#	91
75) Fluoranthene	19.44	202	583	Below Cal	#	62
77) Benzidine	19.61	184	1893	Below Cal	#	79

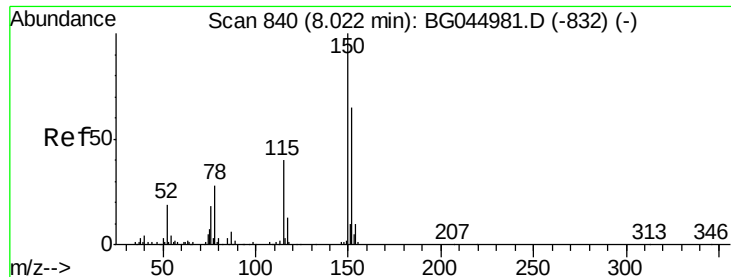
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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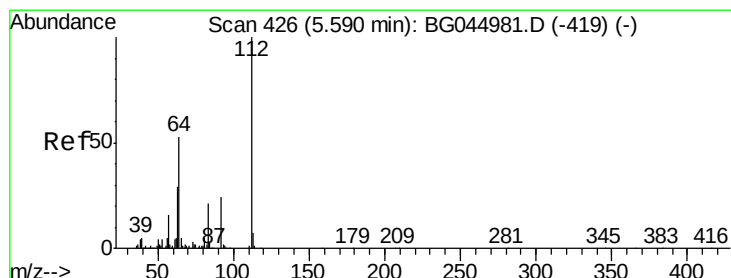
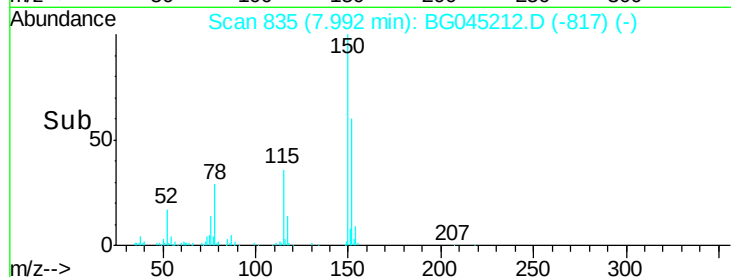
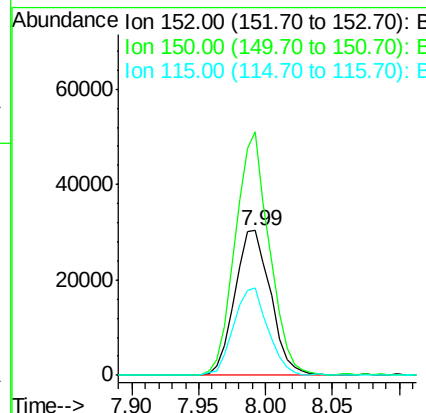
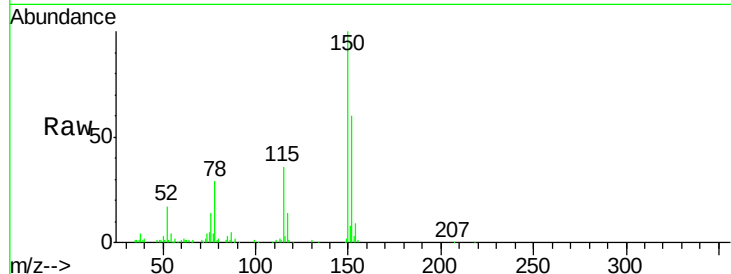


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. 0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Instrument :
BNA_G
ClientSampleId :

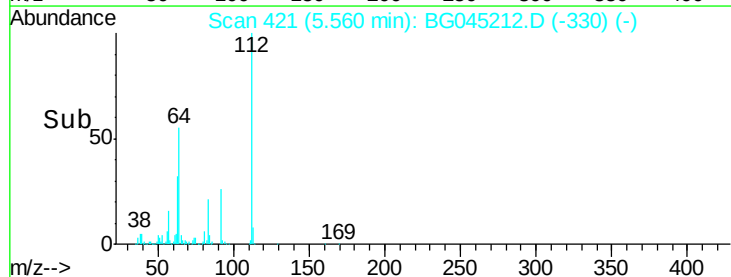
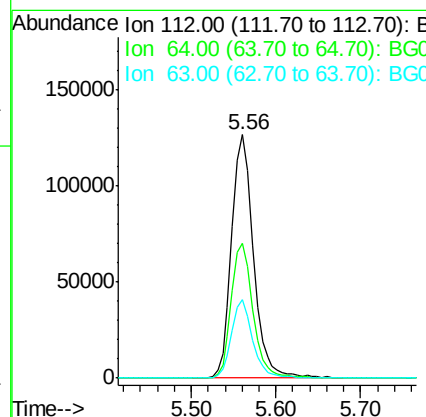
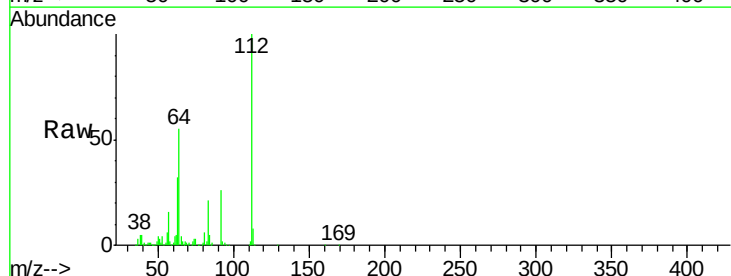
Tot Ion	Ratio	Lower	Upper
152	100		
150	168.0	123.6	185.4
115	60.0	49.1	73.7

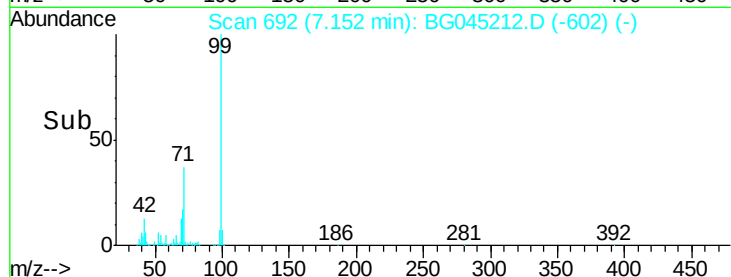
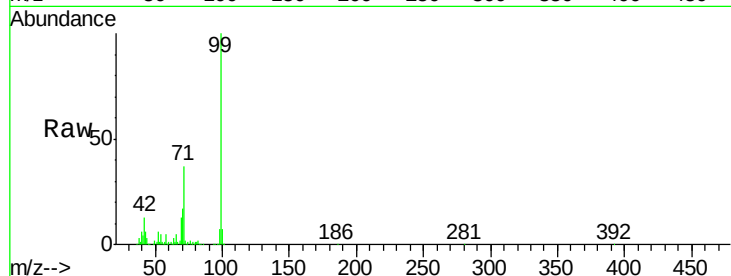
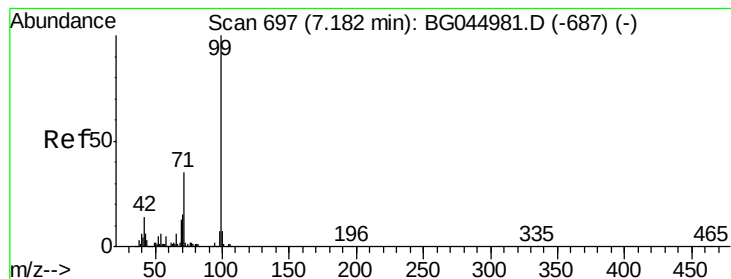


#5

2-Fluorophenol
Concen: 65.707 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	42.4	63.6
63	32.1	23.1	34.7





#7

Phenol-d6

Concen: 55.750 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

Instrument :

BNA_G

ClientSampleId :

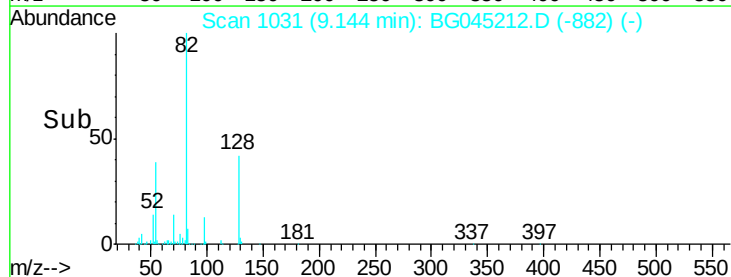
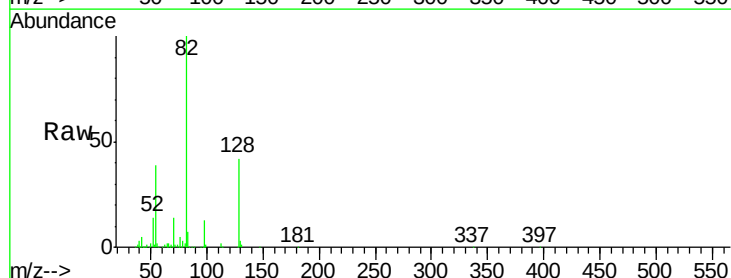
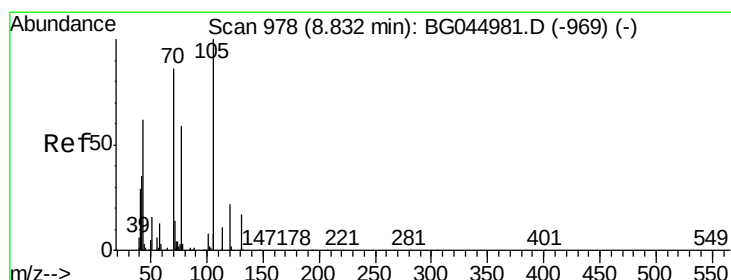
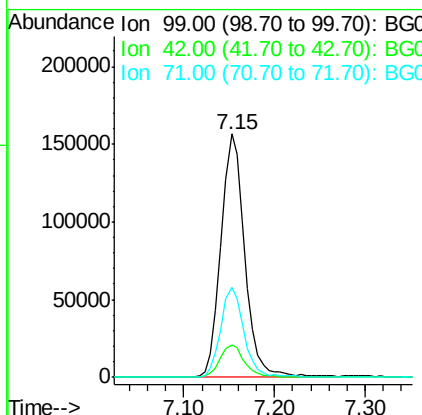
Tot Ion: 99 Resp: 285093

Ion Ratio Lower Upper

99 100

42 13.3 11.3 16.9

71 36.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 9.709 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.34 min

Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

Tgt Ion: 70 Resp: 35113

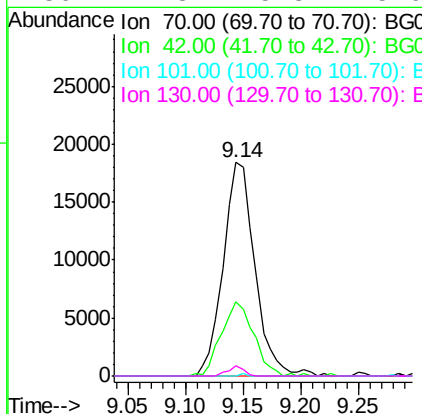
Ion Ratio Lower Upper

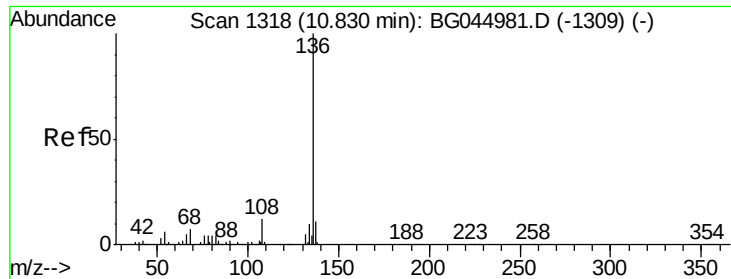
70 100

42 35.0 33.3 49.9

101 0.0 7.8 11.8#

130 4.8 15.8 23.6#

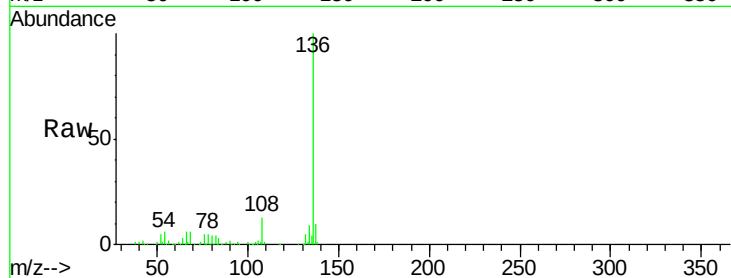




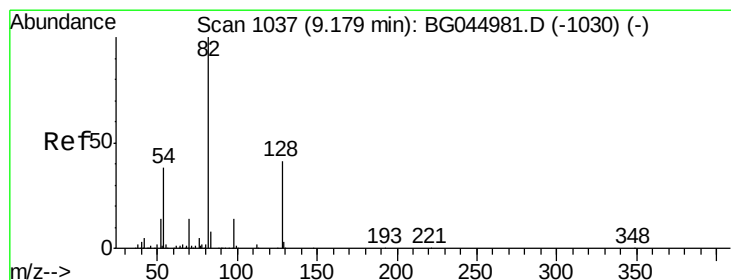
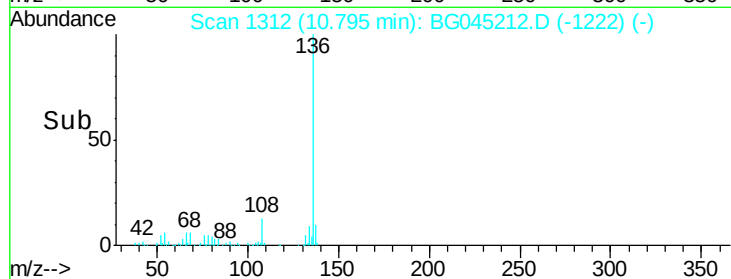
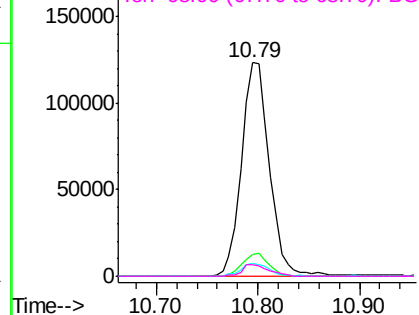
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	235320
Ion Ratio	Lower	Upper
136 100		
137 9.9	8.6	13.0
54 5.8	4.8	7.2
68 5.6	5.2	7.8

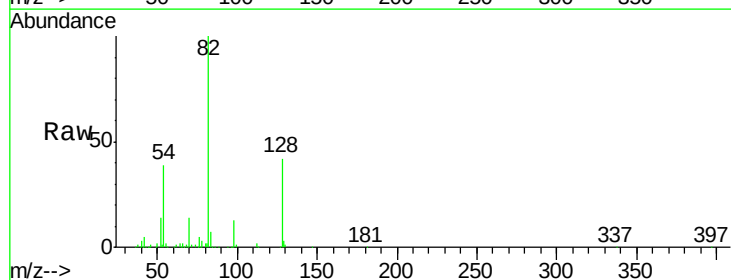


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

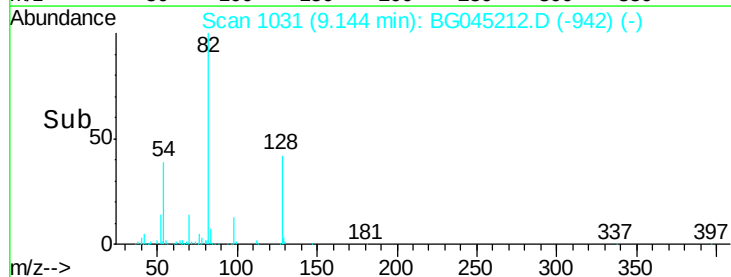
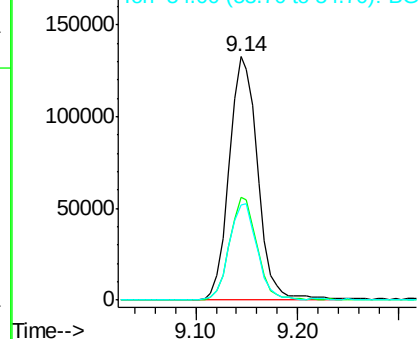


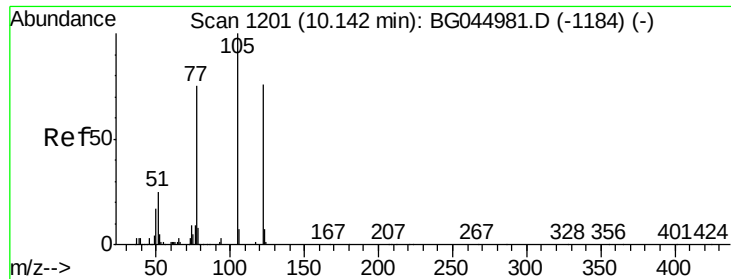
#23
Nitrobenzene-d5
Concen: 50.078 ng
RT: 9.14 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt	Ion: 82	Resp:	258268
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	38.8	30.4	45.6



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

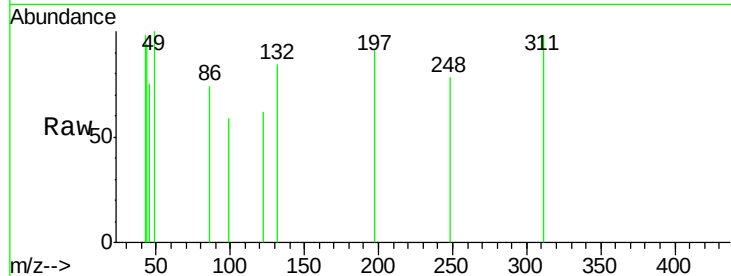




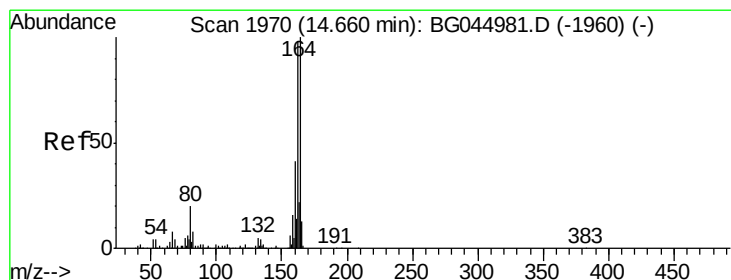
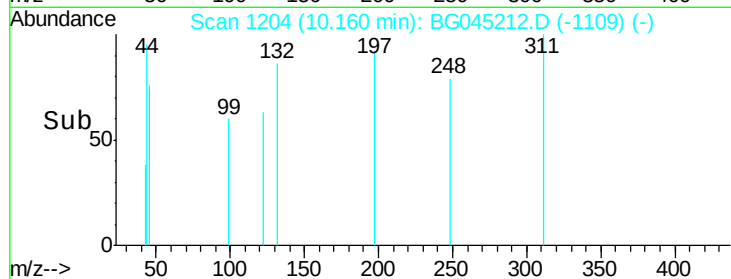
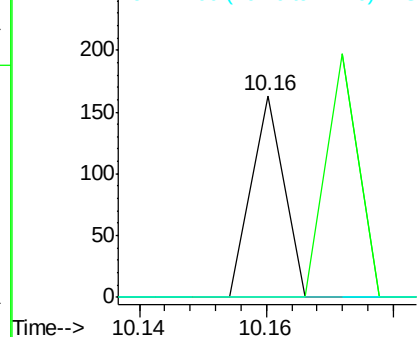
#32
Benzoic acid
Concen: 6.391 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.03 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#

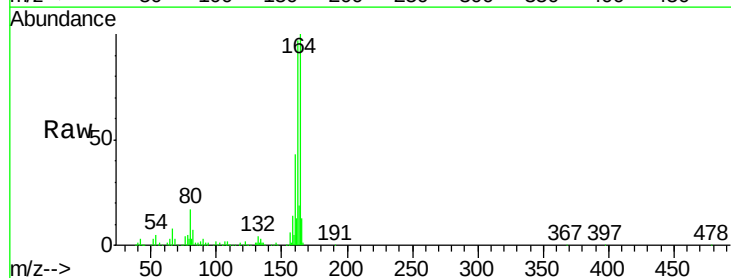


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

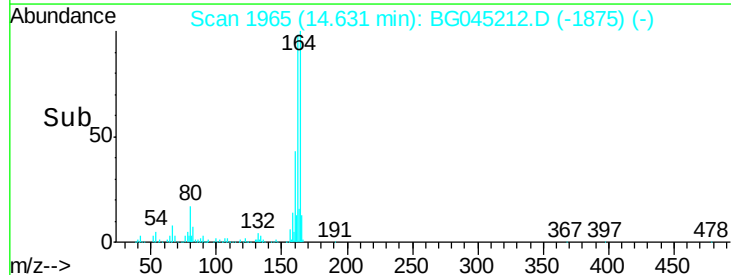
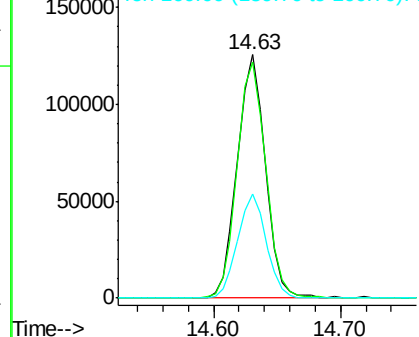


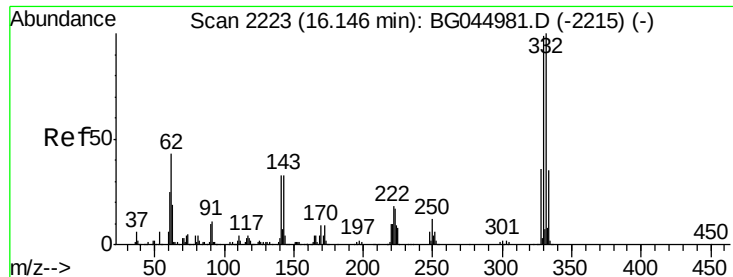
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.1	78.7	118.1
160	42.5	32.8	49.2



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

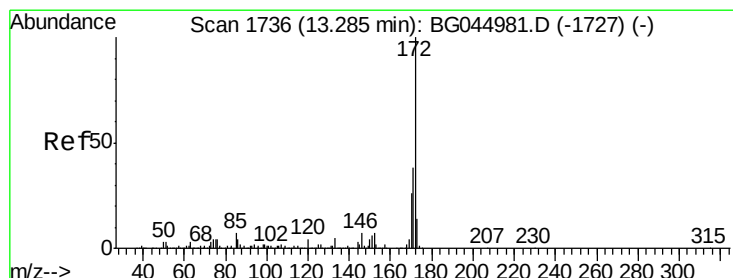
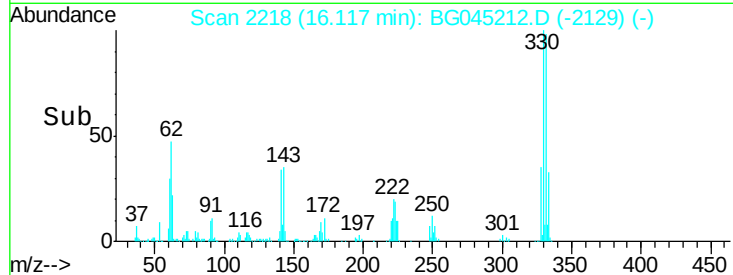
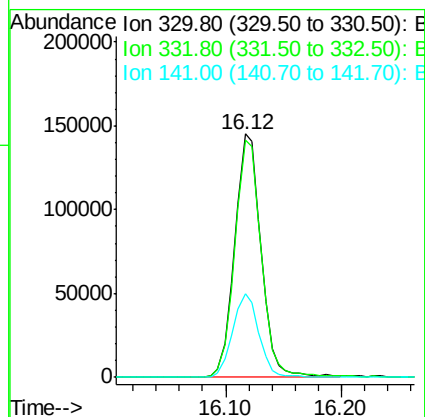
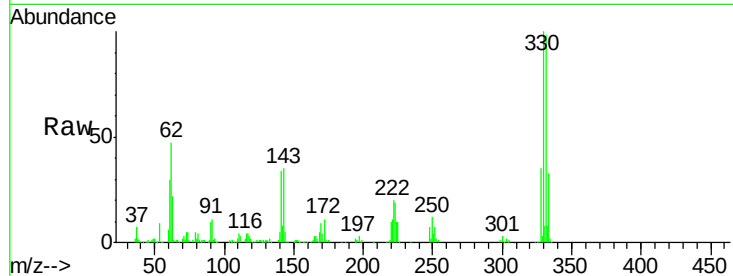




#42
 2,4,6-Tribromophenol
 Concen: 77.186 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BG045212.D
 Acq: 29 Apr 2020 19:39

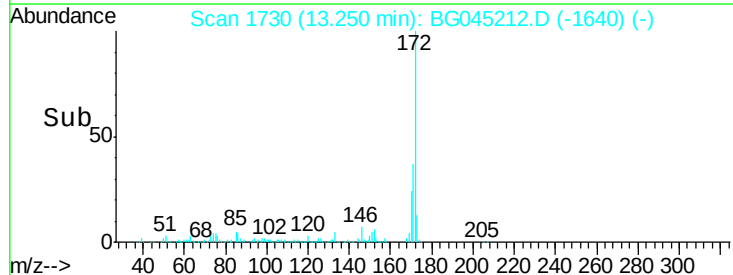
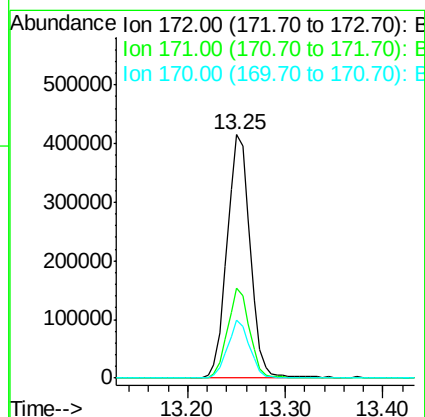
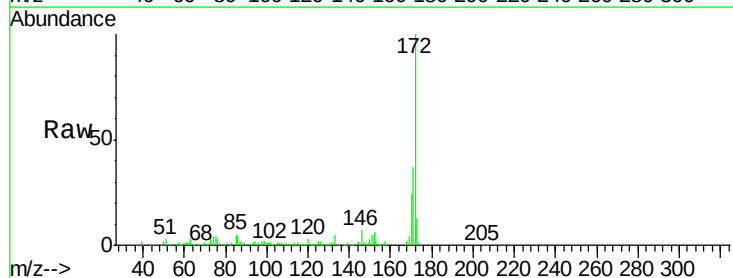
Instrument :
 BNA_G
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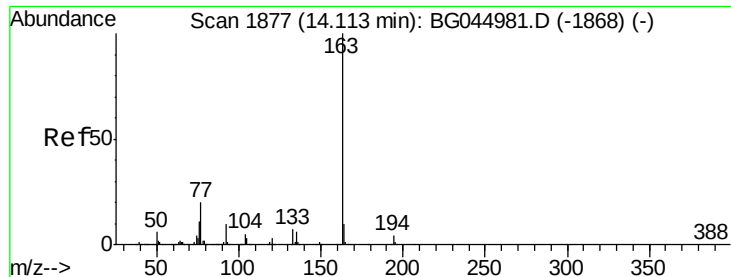
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.1	118.7
141	34.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 51.940 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045212.D
 Acq: 29 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.6	46.0
170	23.7	20.5	30.7

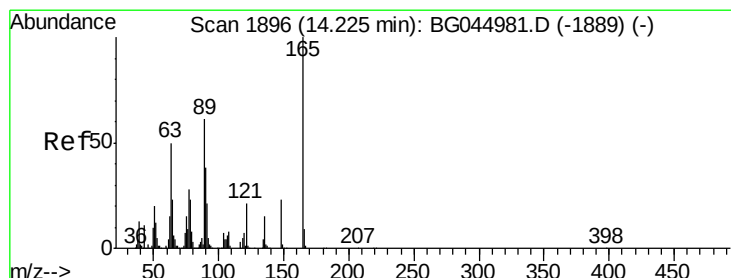
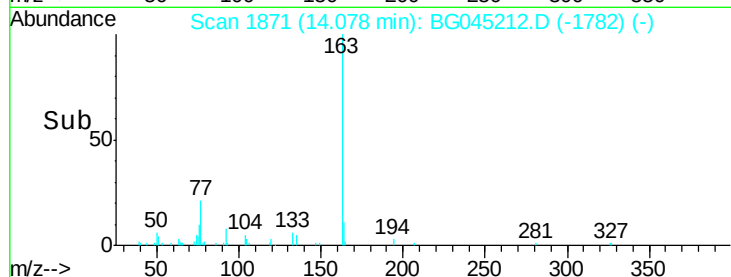
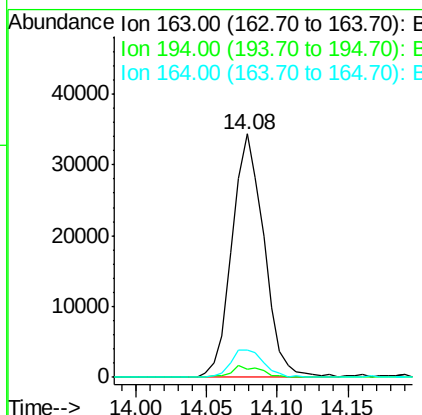
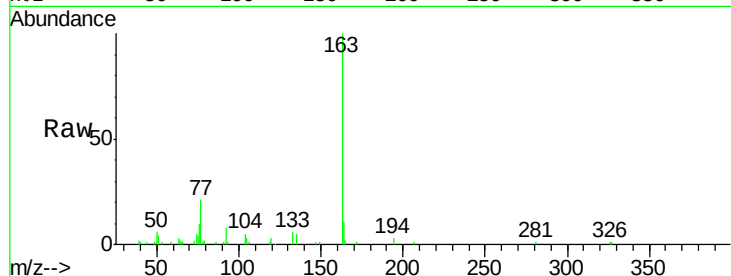




#50
Dimethylphthalate
Concen: 3.468 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

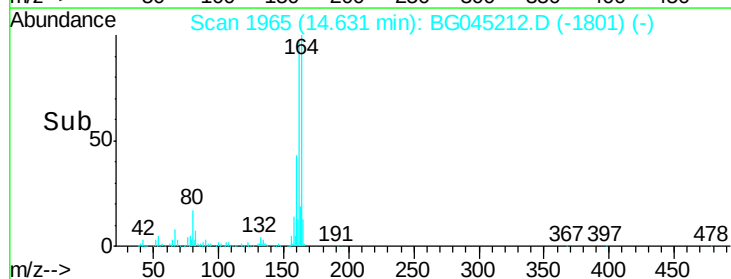
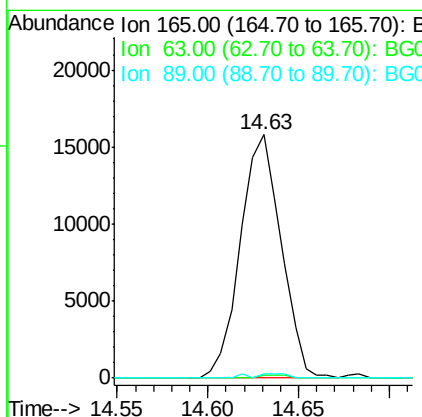
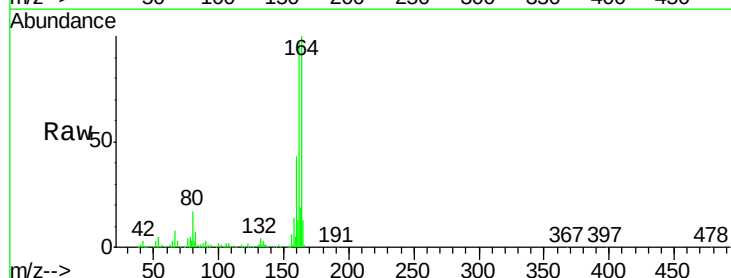
Instrument :
BNA_G
ClientSampleId :

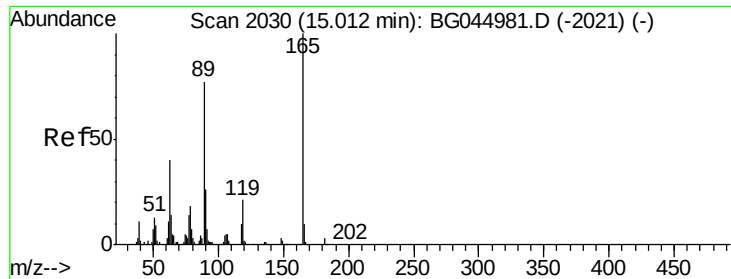
Tot Ion:163 Resp: 54421
Ion Ratio Lower Upper
163 100
194 3.4 3.5 5.3#
164 11.1 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 7.024 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.43 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt Ion:165 Resp: 24655
Ion Ratio Lower Upper
165 100
63 1.3 40.4 60.6#
89 1.7 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 4.806 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

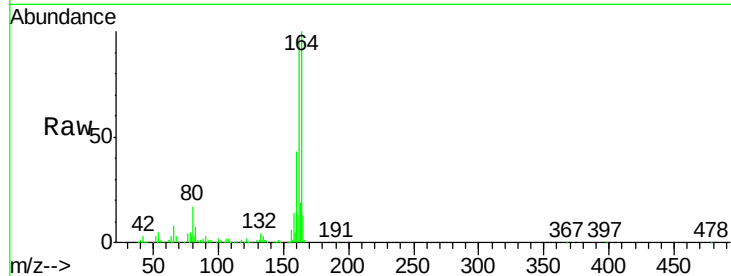
Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 24655

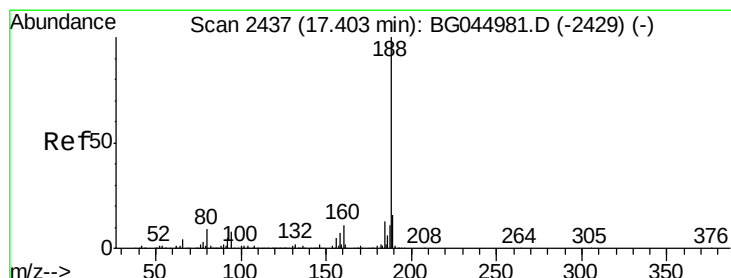
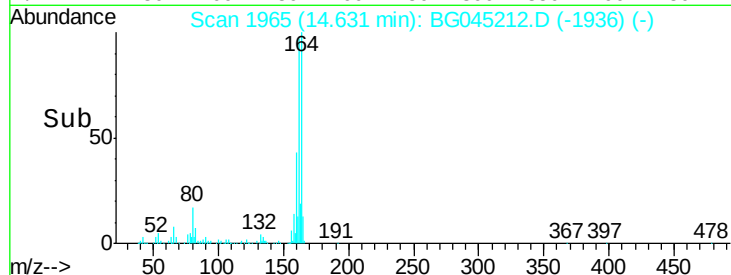
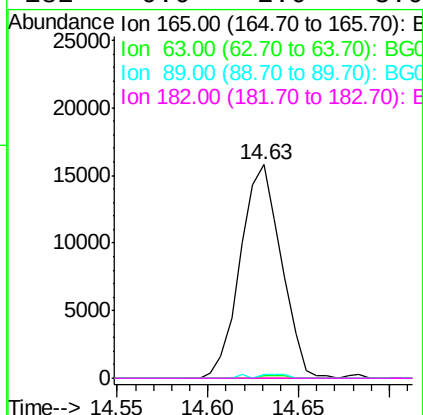
Ion Ratio Lower Upper

165 100

63 1.3 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

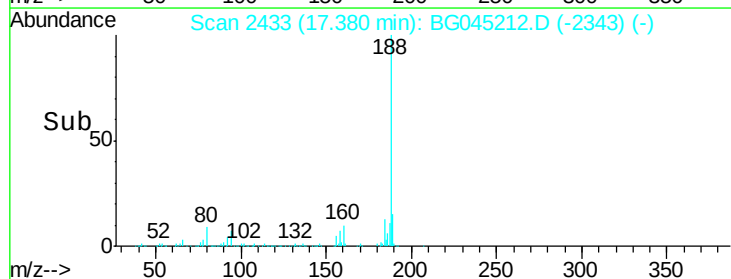
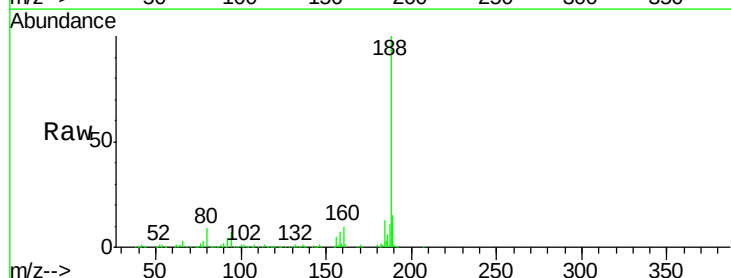
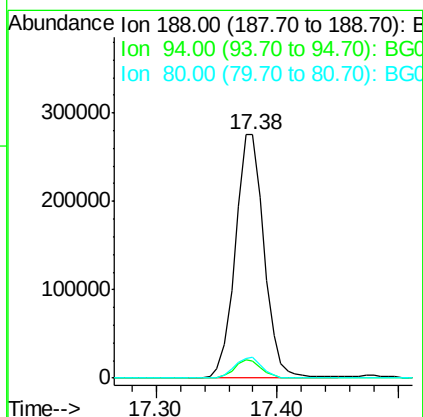
Tgt Ion:188 Resp: 459307

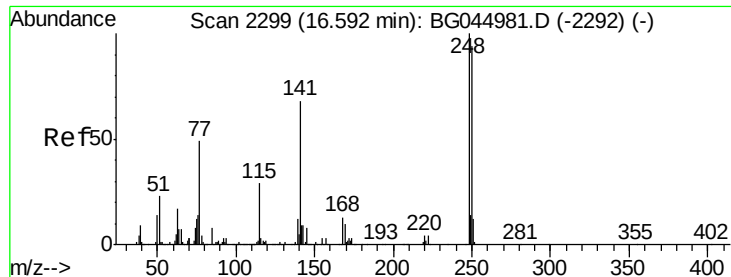
Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

80 8.7 7.0 10.6

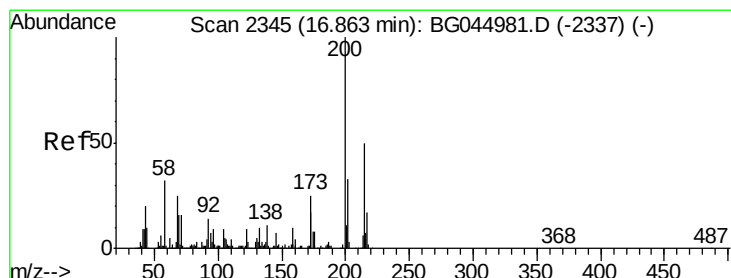
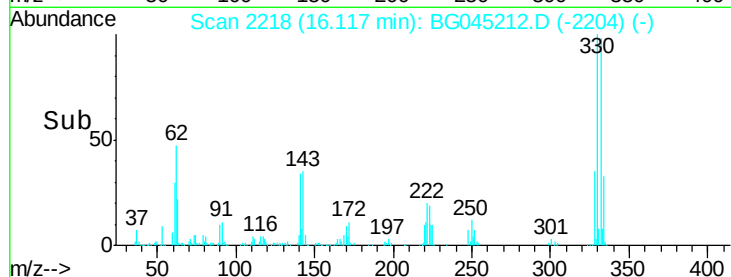
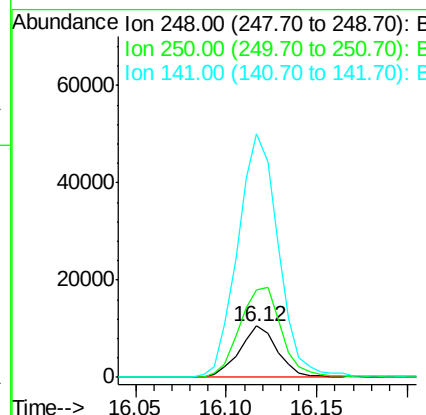
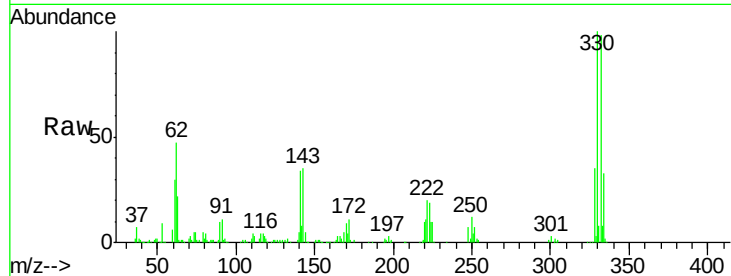




#67
4-Bromophenyl-phenylether
Concen: 2.597 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

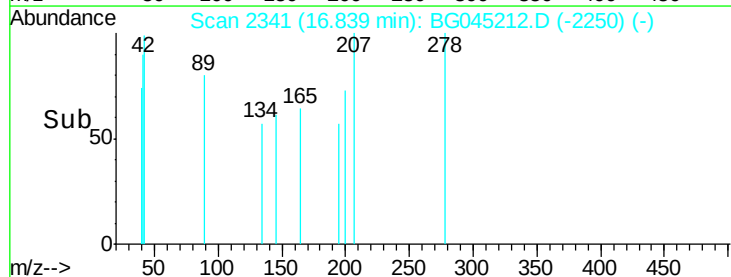
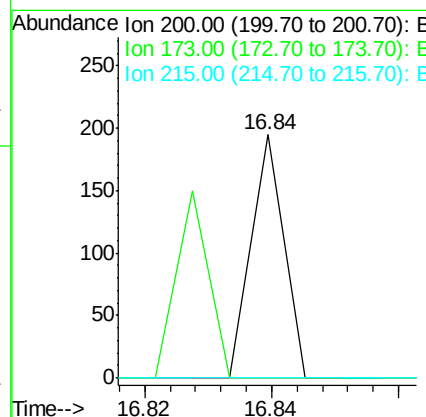
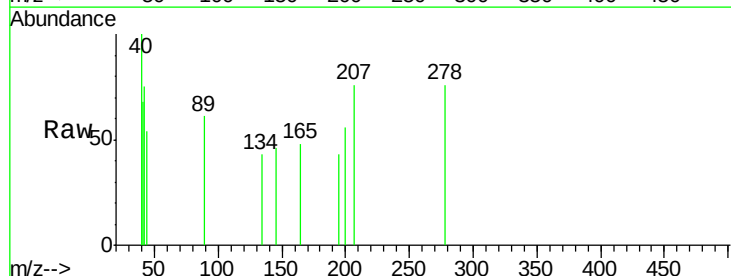
Instrument :
BNA_G
ClientSampleId :

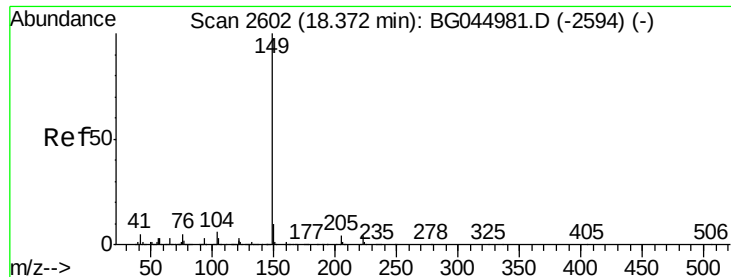
Tot Ion:248 Resp: 15388
Ion Ratio Lower Upper
248 100
250 170.4 75.4 113.2#
141 472.8 54.4 81.6#



#69
Atrazine
Concen: Below Cal
RT: 16.84 min Scan# 2341
Delta R.T. 0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt Ion:200 Resp: 69
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#

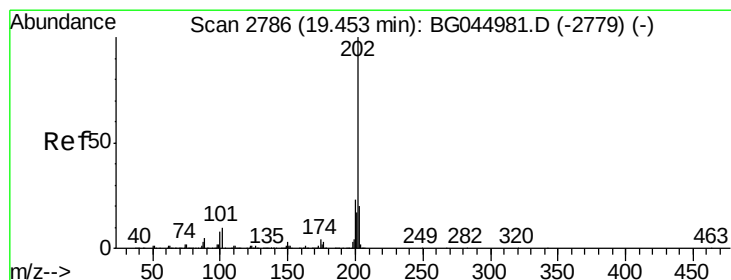
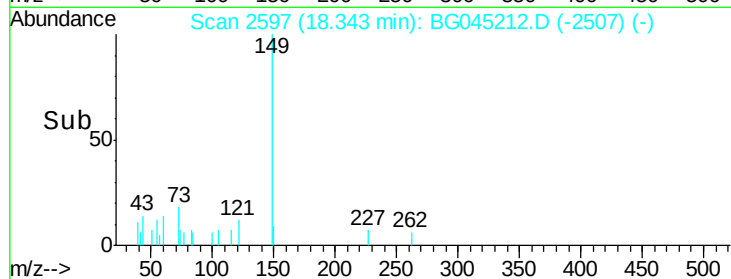
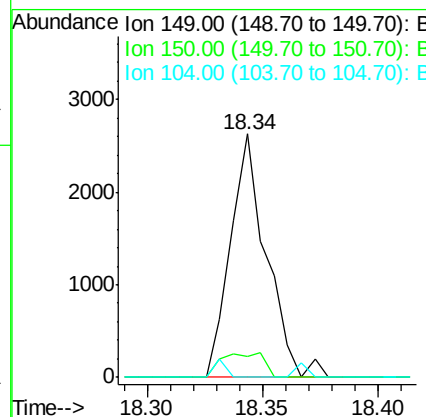
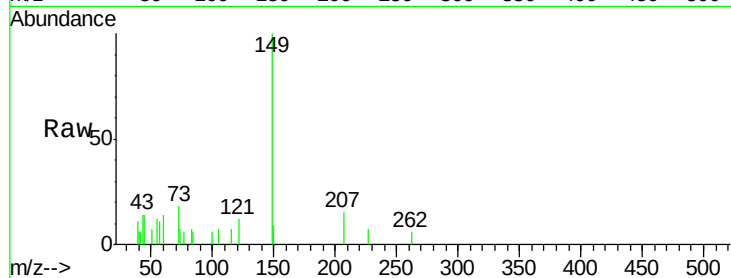




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.34 min Scan# 2597
Delta R.T. -0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

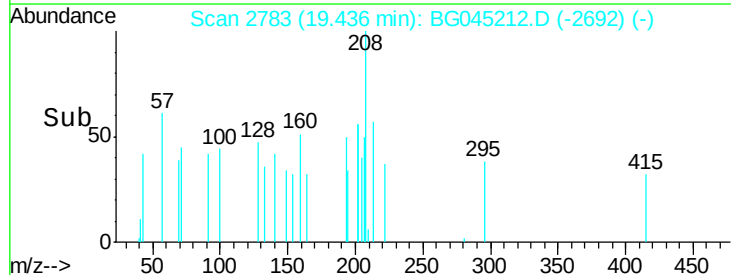
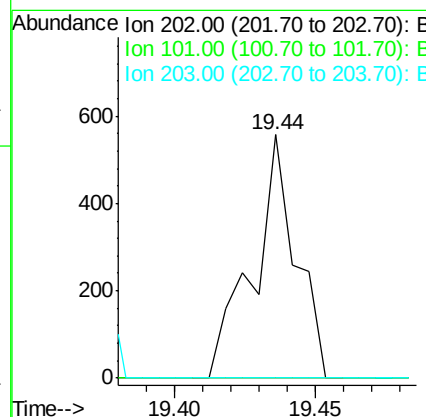
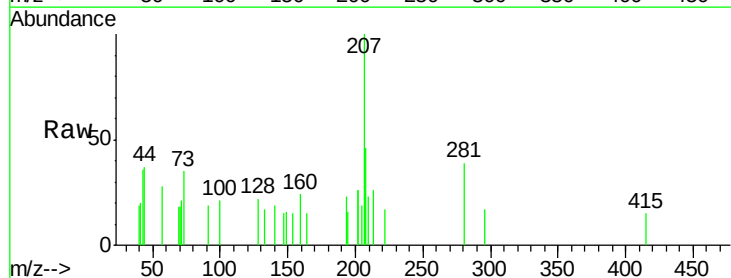
Instrument :
BNA_G
ClientSampleId :

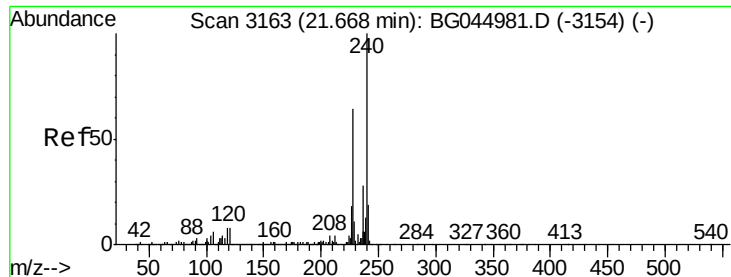
Tot Ion	Ratio	Lower	Upper
149	100		
150	8.7	8.2	12.2
104	0.0	4.8	7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.44 min Scan# 2783
Delta R.T. 0.00 min
Lab File: BG045212.D
Acq: 29 Apr 2020 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

Instrument :

BNA_G

ClientSampleId :

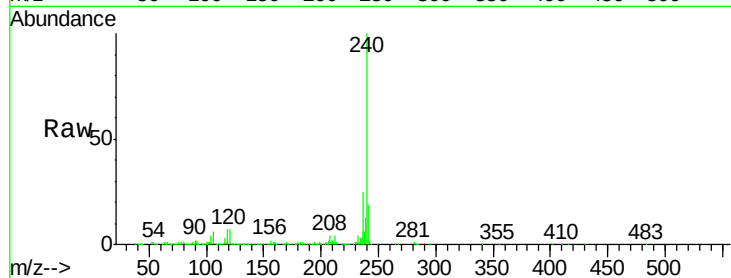
Tot Ion:240 Resp: 439191

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

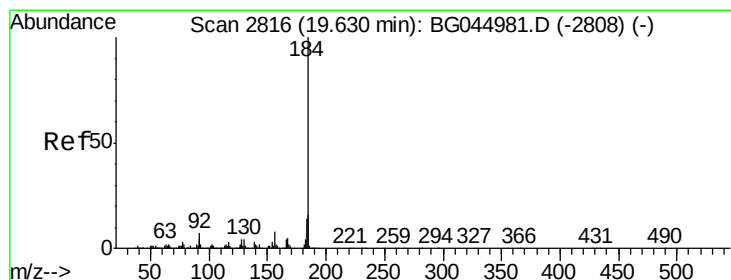
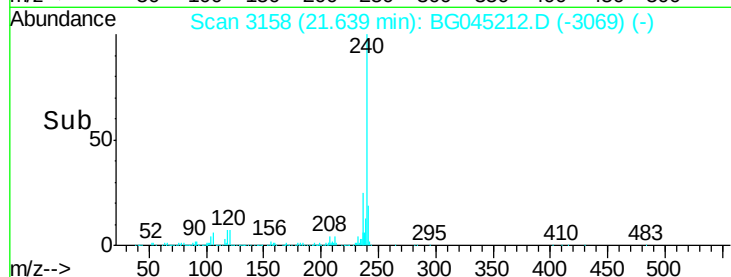
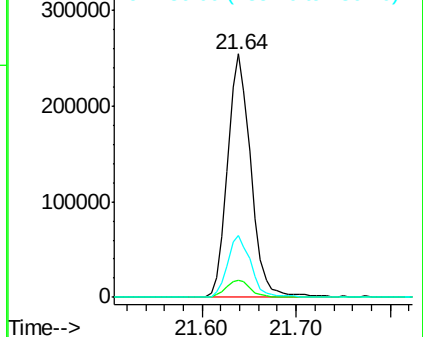
236 25.5 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.61 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG045212.D

Acq: 29 Apr 2020 19:39

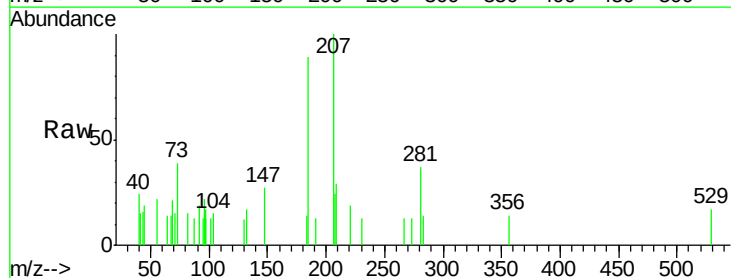
Tgt Ion:184 Resp: 1893

Ion Ratio Lower Upper

184 100

185 0.0 12.6 19.0#

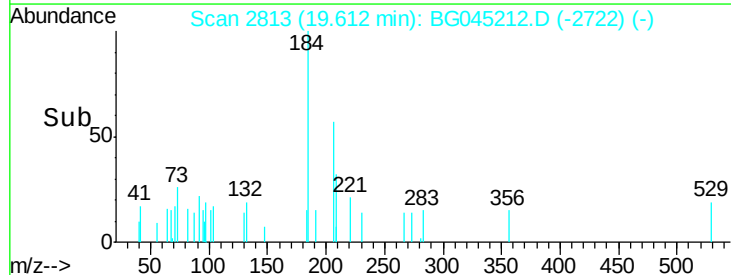
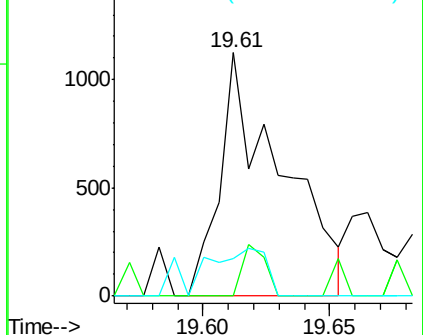
183 15.5 11.3 16.9

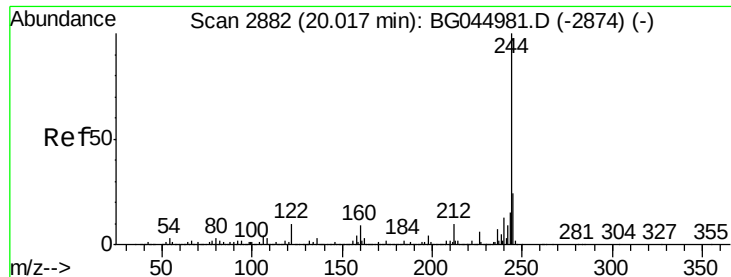


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



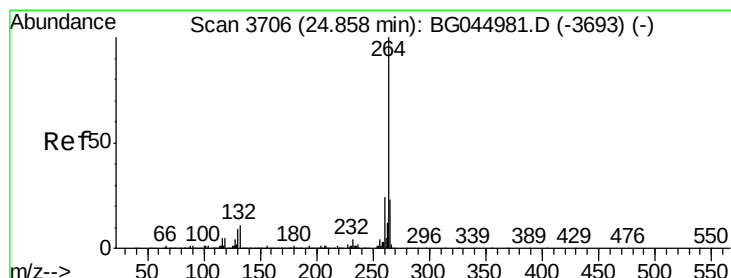
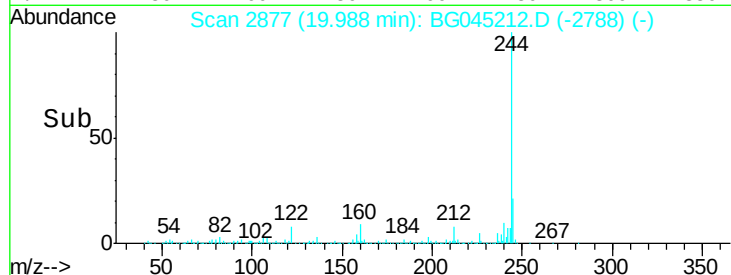
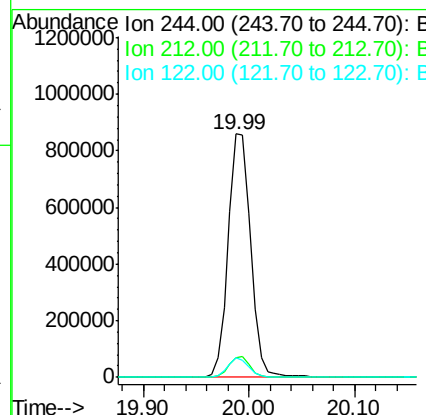
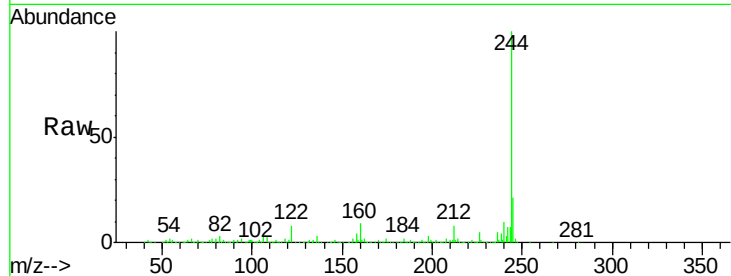


#79
 Terphenyl-d14
 Concen: 63.113 ng
 RT: 19.99 min Scan# 2877
 Delta R.T. -0.01 min
 Lab File: BG045212.D
 Acq: 29 Apr 2020 19:39

Instrument :
 BNA_G
 ClientSampleID :

Tot Ion:244 Resp: 1271747

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.9	11.9
122	8.1	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3698
 Delta R.T. -0.01 min
 Lab File: BG045212.D
 Acq: 29 Apr 2020 19:39

Tgt Ion:264 Resp: 472593

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.3	19.0	28.4

