

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
 Data File : BM001621.D
 Acq On : 09 Jun 2015 18:58
 Operator : TP/IZ
 Sample : PB83893BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS

Manual Integrations
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 6/10/2015 1:05:48 PM

Quant Time: Jun 10 04:02:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 03:26:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	20226	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	74374	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	35488	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	40316	5.00	ng	0.00
25) Chrysene-d12	21.28	240	59851	5.00	ng	0.00
32) Perylene-d12	23.51	264	54131	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	44213	9.61	ng	0.00
5) Phenol-d6	6.84	99	56758	10.04	ng	0.00
7) Nitrobenzene-d5	8.85	82	52254	9.97	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	17612	10.31	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	99292	8.60	ng	0.00
27) Terphenyl-d14	19.72	244	70677	9.05	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	17410	7.82	ng	92
3) n-Nitrosodimethylamine	3.51	42	29833	9.38	ng	99
8) Nitrobenzene	8.89	77	56914	10.12	ng	98
9) Naphthalene	10.52	128	147592	8.86	ng	98
10) Hexachlorobutadiene	10.82	225	24764	8.64	ng	99
11) 2-Methylnaphthalene	12.15	142	93827	9.20	ng	94
15) Acenaphthylene	14.06	152	155558	9.76	ng	100
16) Acenaphthene	14.40	154	91464	9.13	ng	96
17) Fluorene	15.36	166	64523	9.51	ng	95
19) 4-Bromophenyl-phenylether	16.27	248	41999	10.98	ng	87
20) Hexachlorobenzene	16.38	284	23453	11.22	ng	# 73
21) Pentachlorophenol	16.72	266	10068	14.39	ng	92
22) Phenanthrene	17.12	178	142037	9.87	ng	99
23) Anthracene	17.19	178	104011m	12.18	ng	
24) Fluoranthene	19.15	202	166853	10.70	ng	100
26) Pyrene	19.52	202	173592	8.95	ng	100
28) Benzo(a)anthracene	21.25	228	151331	8.66	ng	98
29) Chrysene	21.31	228	145749	8.82	ng	98
30) Bis(2-ethylhexyl)phthalate	21.19	149	112554	11.14	ng	99
31) Indeno(1,2,3-cd)pyrene	25.77	276	146256	8.71	ng	99
33) Benzo(b)fluoranthene	22.83	252	155908	9.58	ng	97
34) Benzo(k)fluoranthene	22.89	252	125997	8.03	ng	96
35) Benzo(a)pyrene	23.42	252	128498	8.94	ng	96
36) Dibenzo(a,h)anthracene	25.79	278	113846	8.67	ng	94
37) Benzo(g,h,i)perylene	26.46	276	117936	8.33	ng	99

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

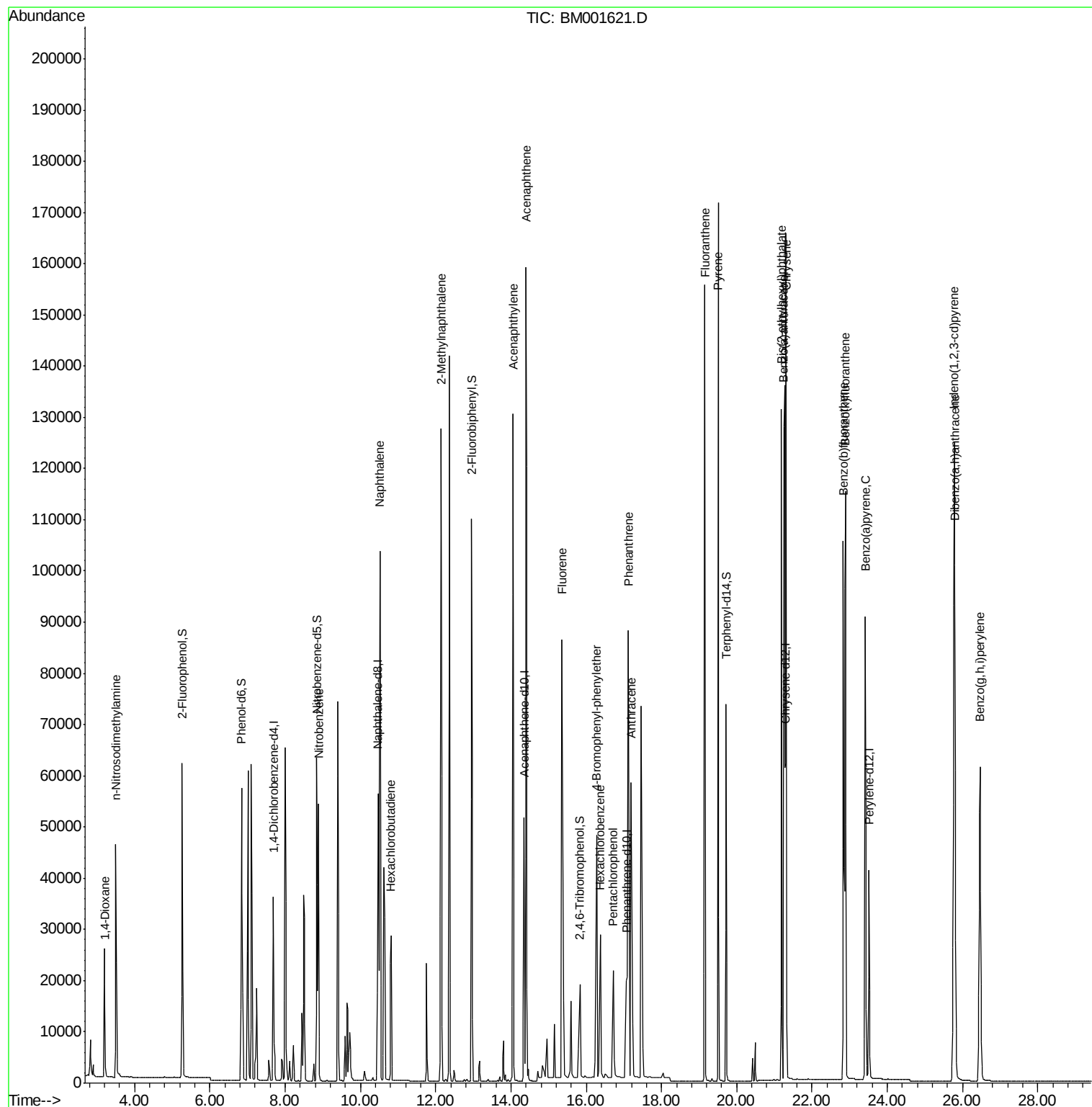
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060815\
Data File : BM001621.D
Acq On : 09 Jun 2015 18:58
Operator : TP/IZ
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ALS Vial : 24 Sample Multiplier: 1

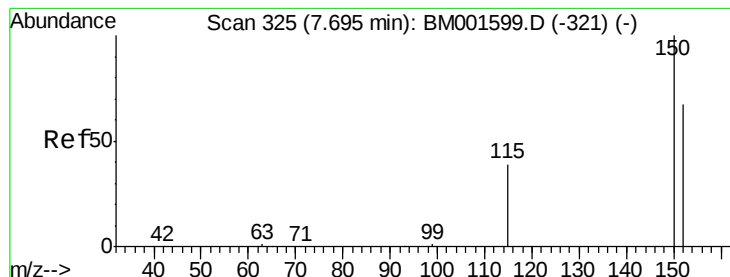
Instrument :
BNA_M
ClientSampleId :
PB83893BS

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 10 03:26:36 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001621.D

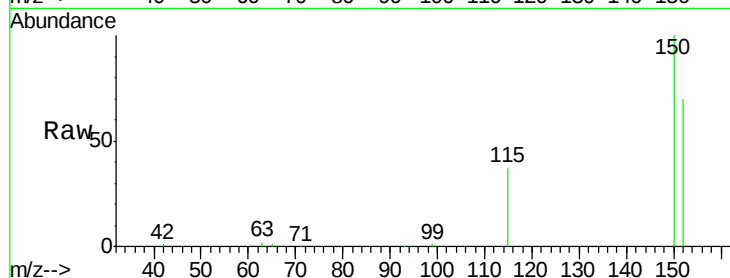
Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

ClientSampleId :

PB83893BS



Tgt Ion:152 Resp: 20226

Ion Ratio Lower Upper

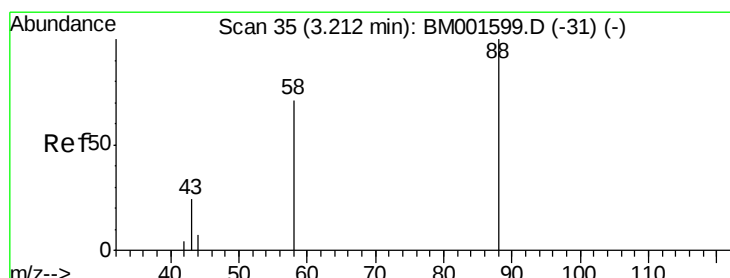
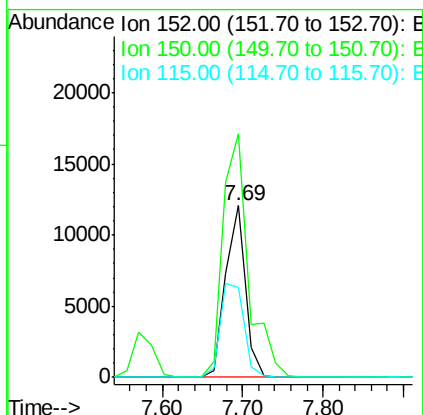
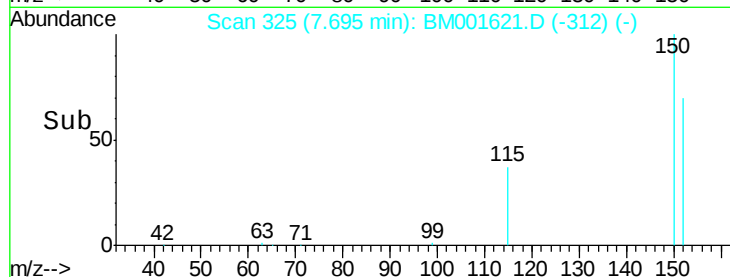
152 100

150 142.1 120.1 180.1

115 52.4 47.0 70.6

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#2

1,4-Dioxane

Concen: 7.82 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

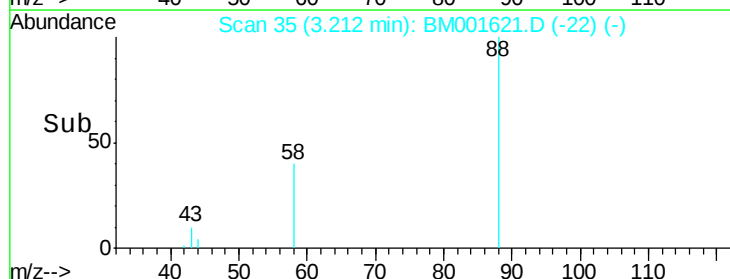
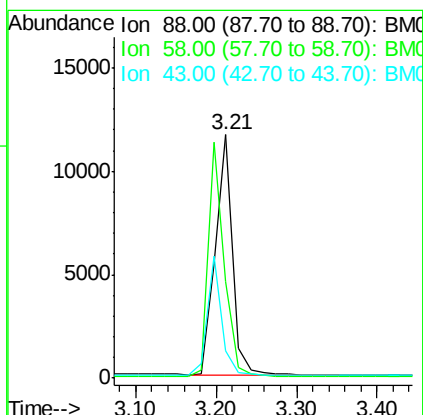
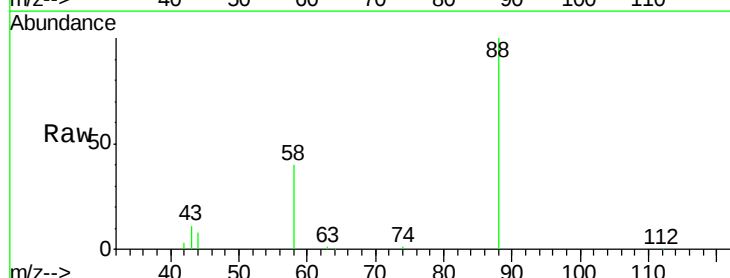
Tgt Ion: 88 Resp: 17410

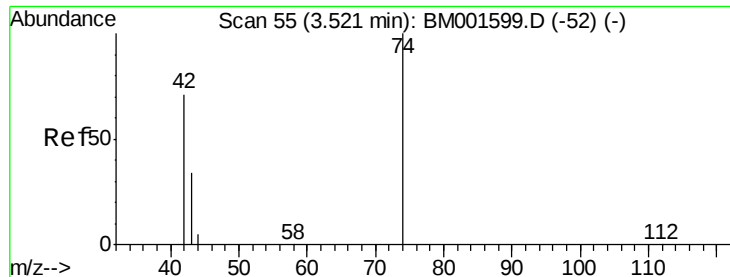
Ion Ratio Lower Upper

88 100

58 91.0 65.5 98.3

43 41.6 32.2 48.2





#3

n-Nitrosodimethylamine

Concen: 9.38 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

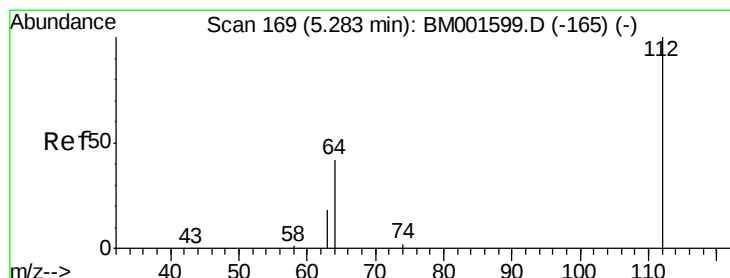
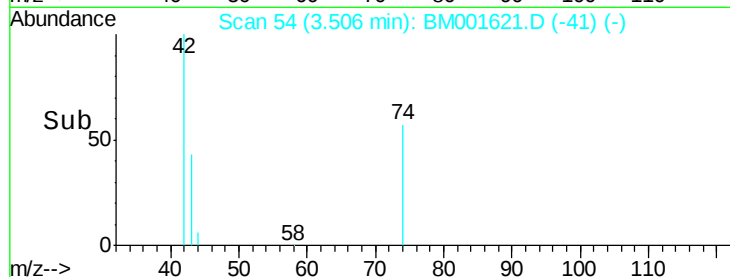
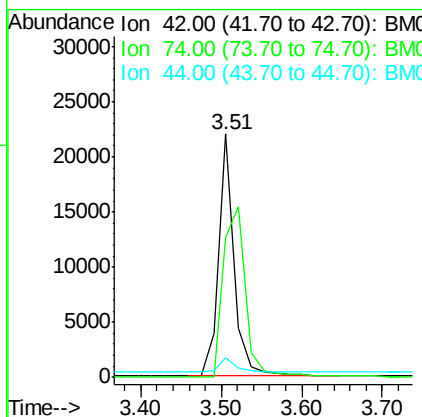
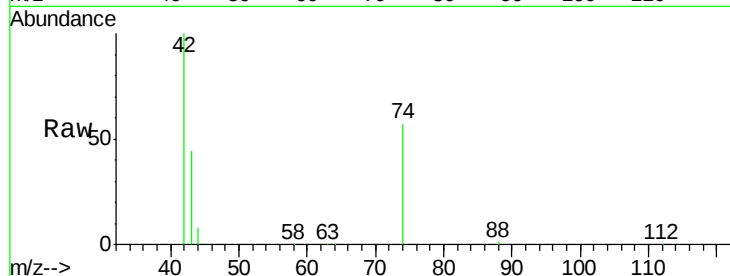
ClientSampleId :

PB83893BS

Tgt Ion:	42	Resp:	29833
Ion	Ratio	Lower	Upper
42	100		
74	99.0	79.5	119.3
44	6.3	5.7	8.5

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#4

2-Fluorophenol

Concen: 9.61 ng

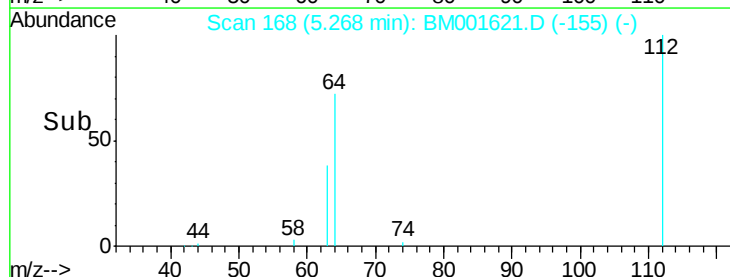
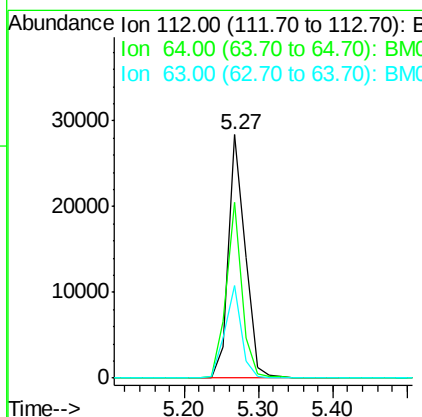
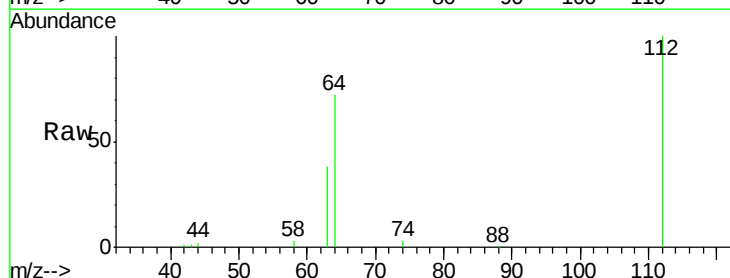
RT: 5.27 min Scan# 168

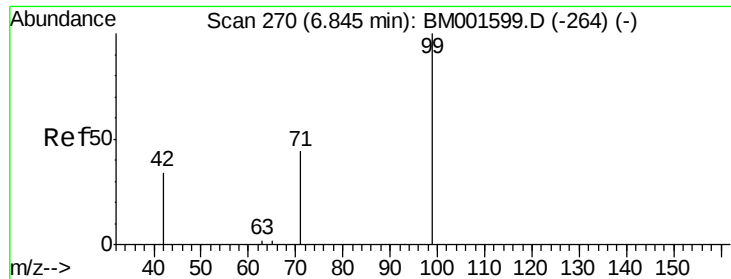
Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion:	112	Resp:	44213
Ion	Ratio	Lower	Upper
112	100		
64	67.9	54.8	82.2
63	37.0	30.5	45.7





#5

Phenol-d6

Concen: 10.04 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

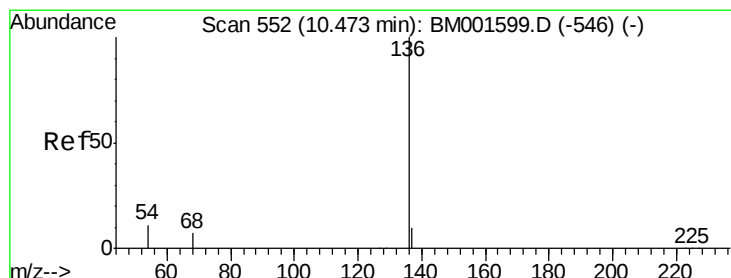
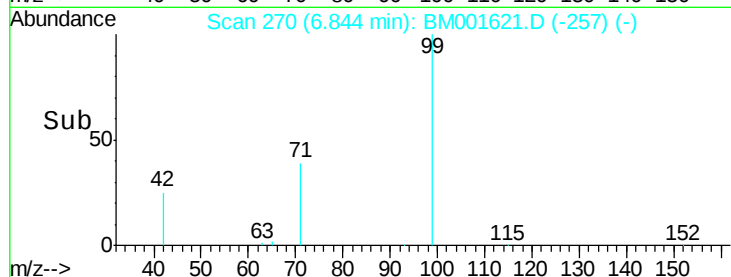
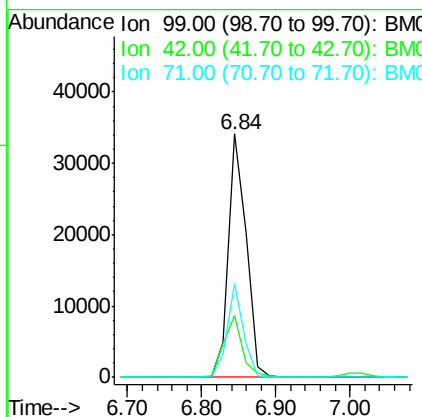
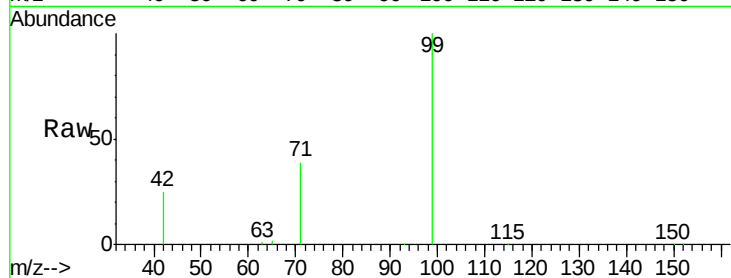
ClientSampleId :

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Tgt Ion:	99	Resp:	56758
Ion Ratio	Lower	Upper	
99	100		
42	26.1	21.6	32.4
71	35.3	28.7	43.1

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#6

Naphthalene-d8

Concen: 5.00 ng

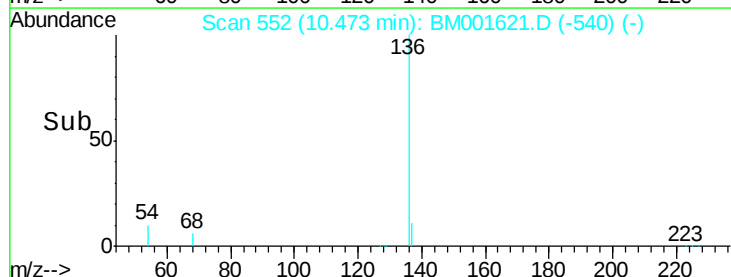
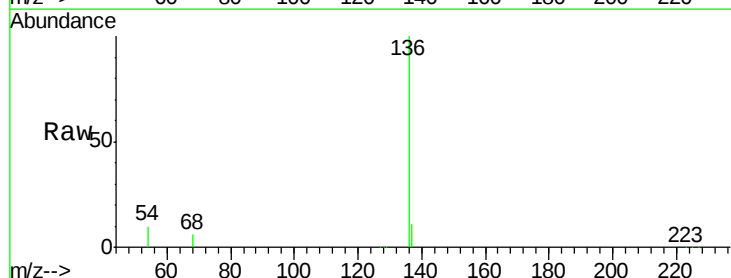
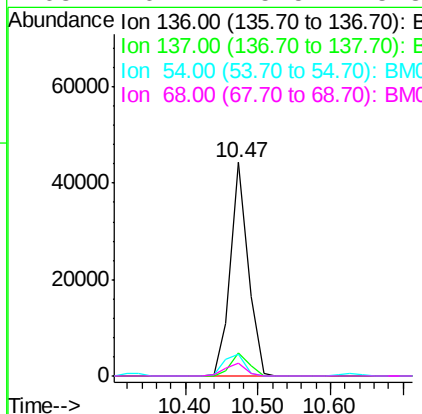
RT: 10.47 min Scan# 552

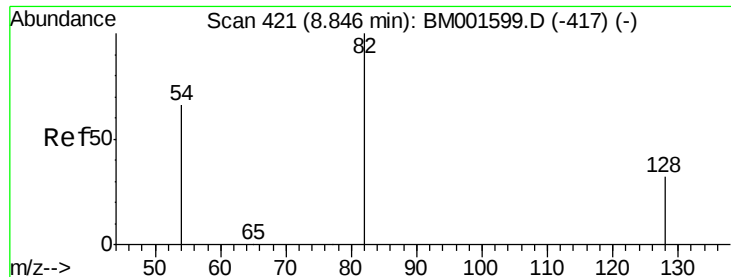
Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion:	136	Resp:	74374
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.3	12.5
54	9.9	9.2	13.8
68	6.2	5.5	8.3





#7

Nitrobenzene-d5

Concen: 9.97 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

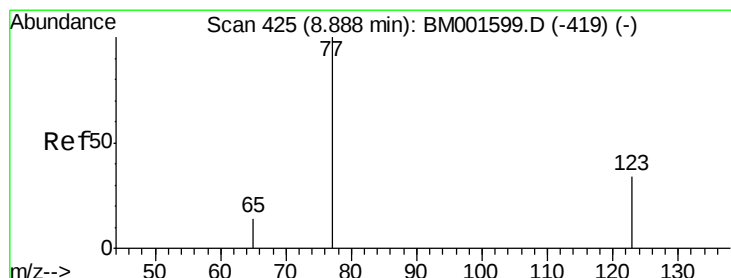
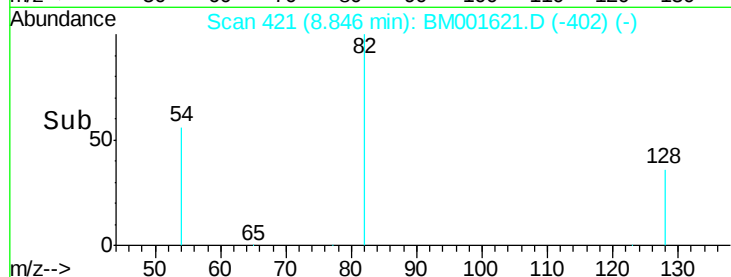
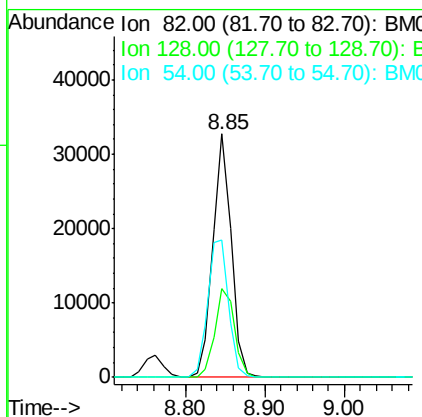
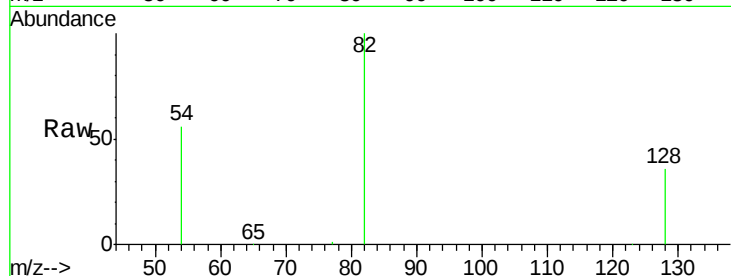
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.2	26.6	40.0
54	56.4	53.0	79.6



#8

Nitrobenzene

Concen: 10.12 ng

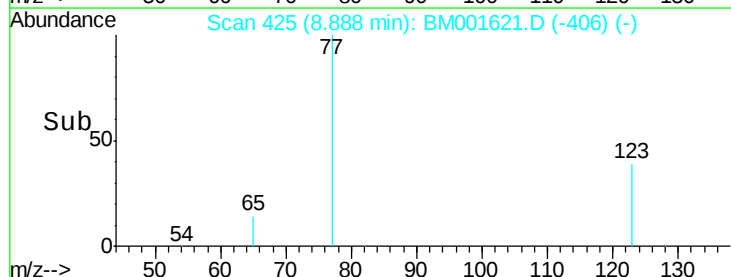
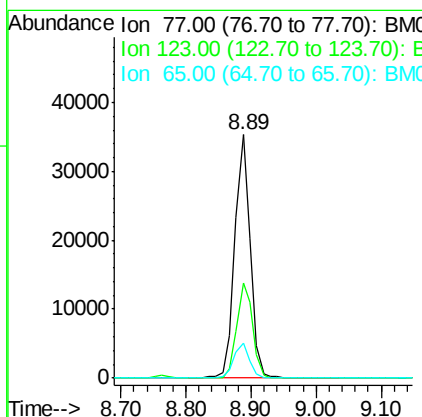
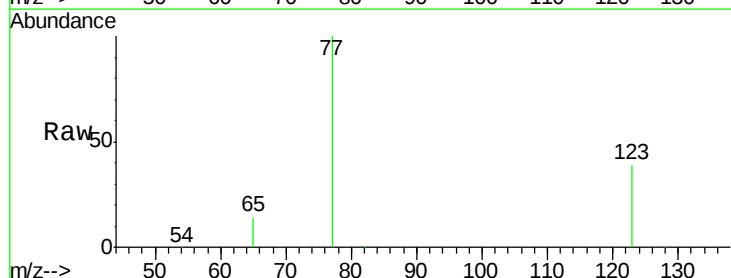
RT: 8.89 min Scan# 425

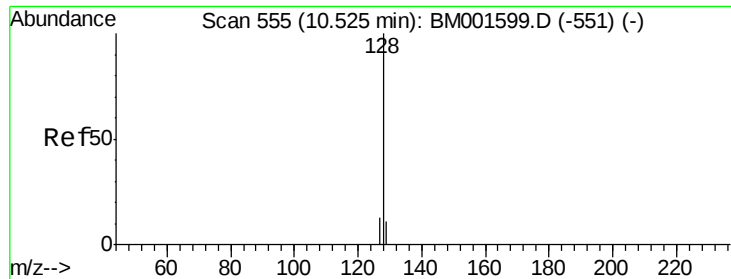
Delta R.T. 0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.4	31.0	46.6
65	14.5	11.4	17.0





#9

Naphthalene

Concen: 8.86 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001621.D

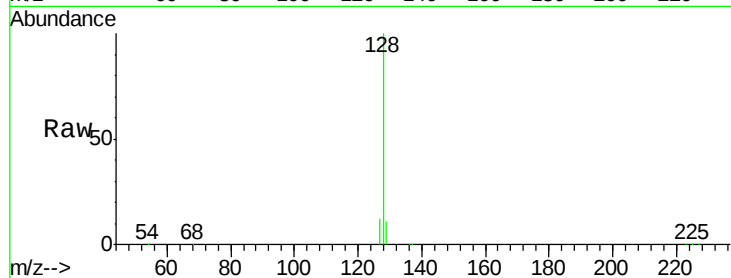
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Instrument :

BNA_M

ClientSampleId :

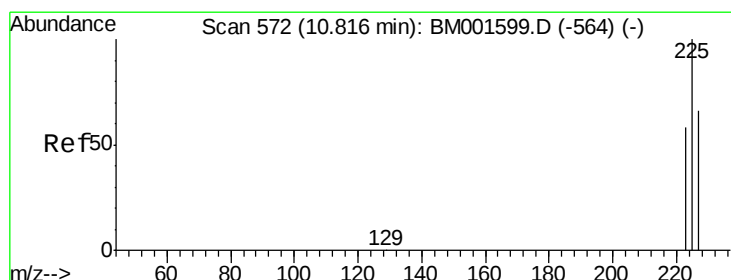
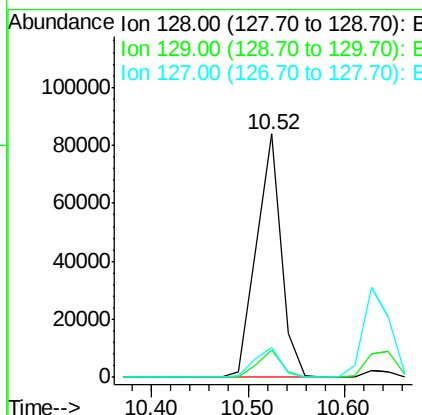
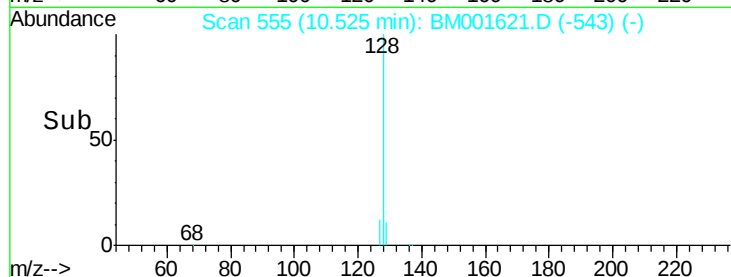
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	12.0	10.4	15.6

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#10

Hexachlorobutadiene

Concen: 8.64 ng

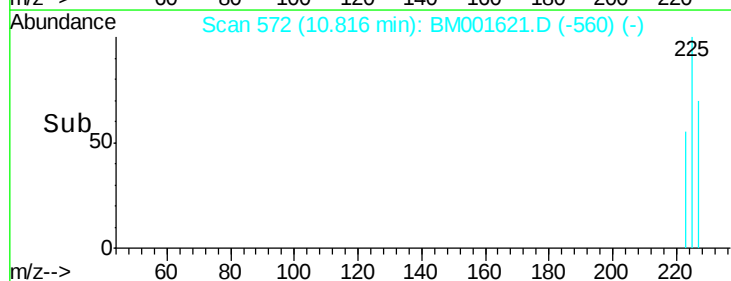
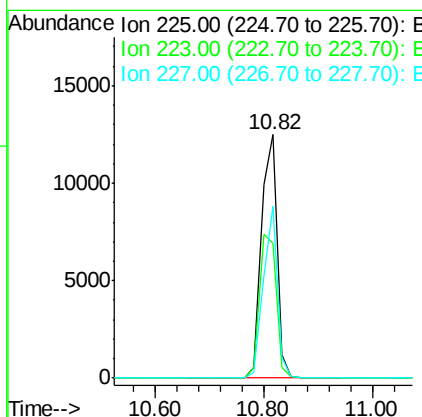
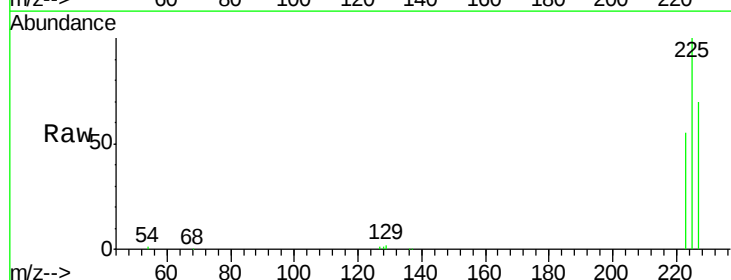
RT: 10.82 min Scan# 572

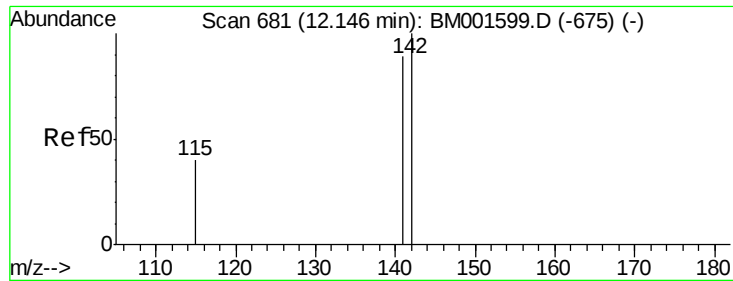
Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.8
227	63.4	50.9	76.3





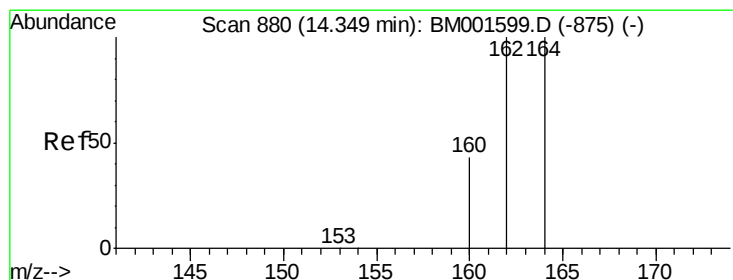
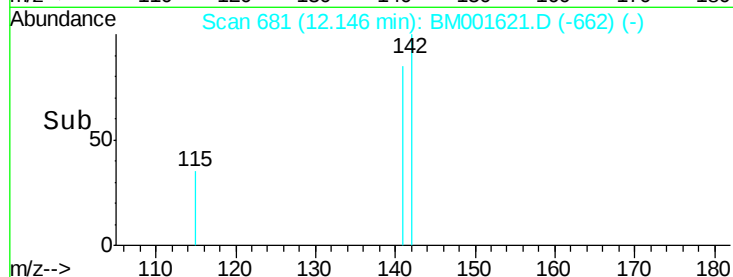
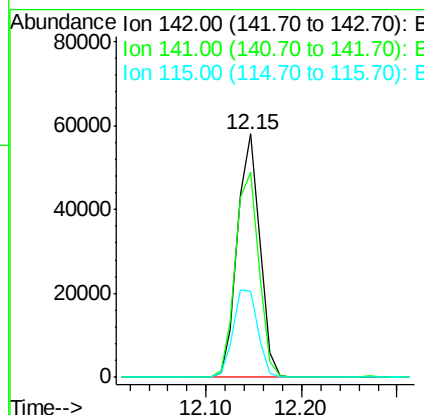
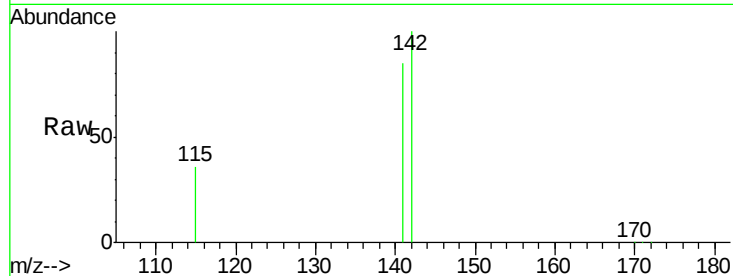
#11
2-Methylnaphthalene
Concen: 9.20 ng
RT: 12.15 min Scan# 681
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

Instrument :
BNA_M
ClientSampleId :
PB83893BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.5	71.3	106.9
115	35.5	32.1	48.1

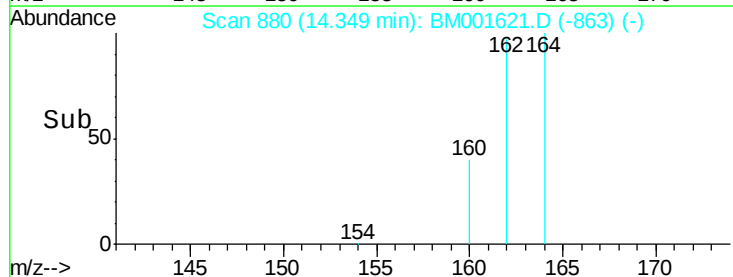
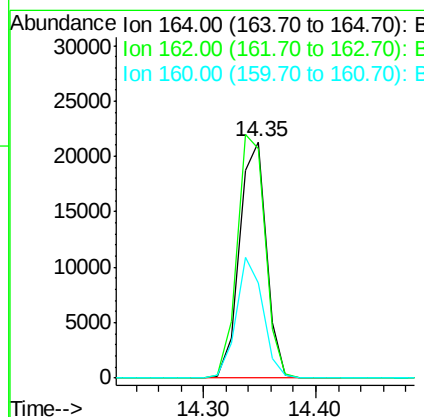
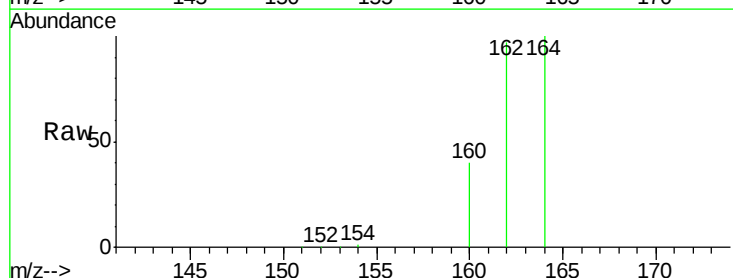
Manual Integrations
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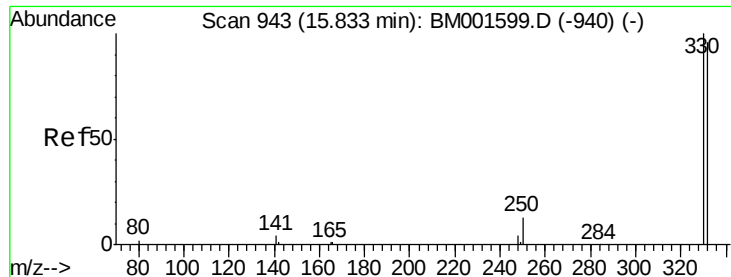
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.35 min Scan# 880
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

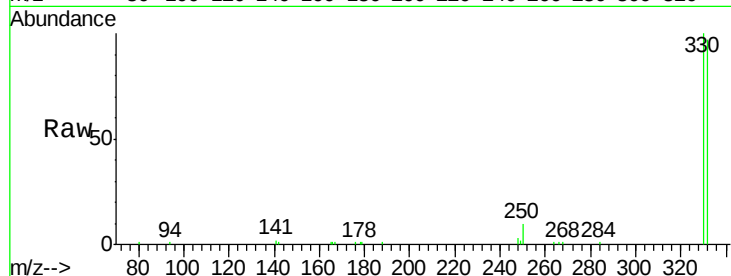
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.0	79.8	119.6
160	40.5	34.6	51.8





#13
 2,4,6-Tribromophenol
 Concen: 10.31 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

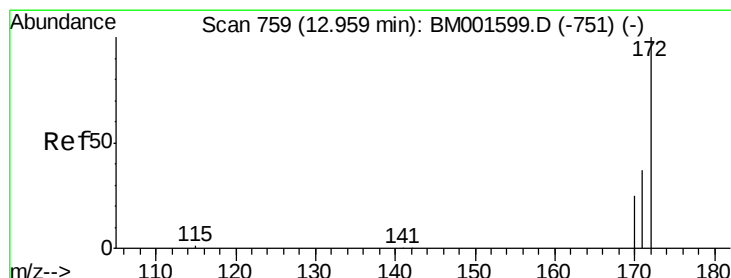
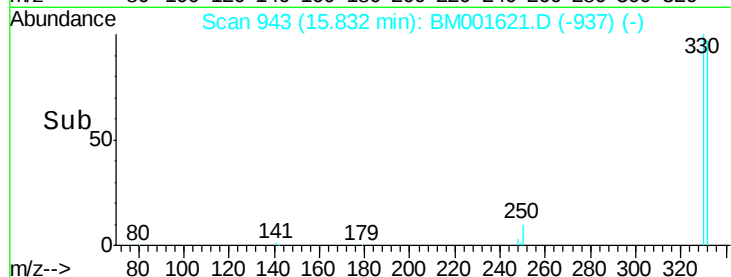
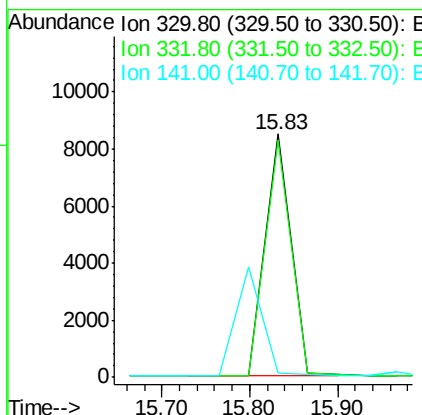
Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS



Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	0.0	0.0	0.0

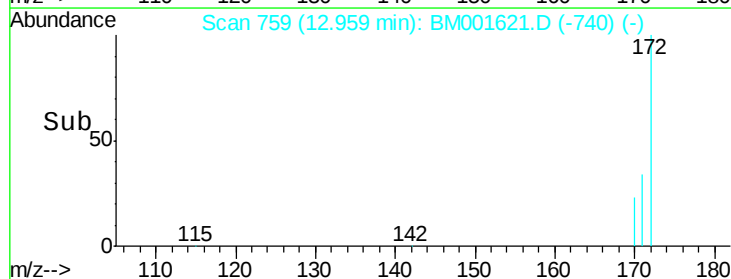
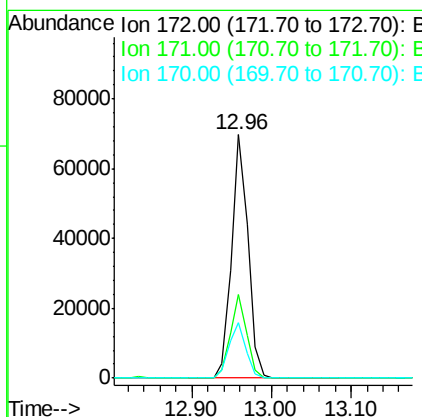
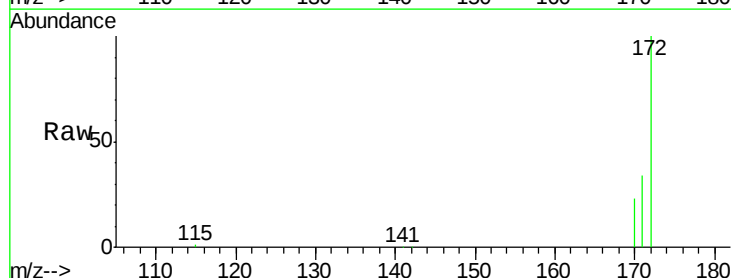
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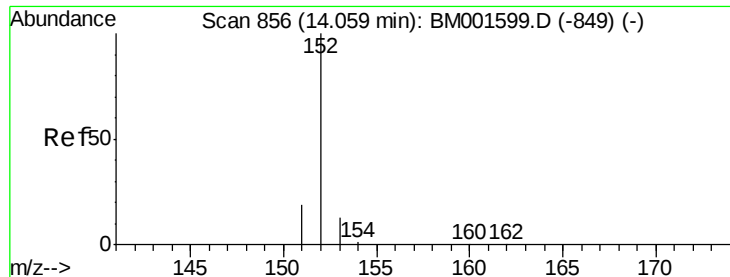
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#14
 2-Fluorobiphenyl
 Concen: 8.60 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.6	44.4
170	22.7	20.6	31.0





#15

Acenaphthylene

Concen: 9.76 ng

RT: 14.06 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

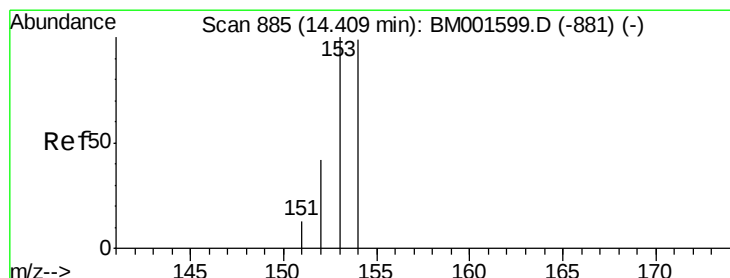
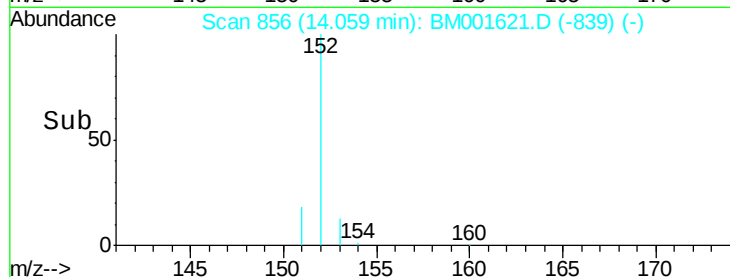
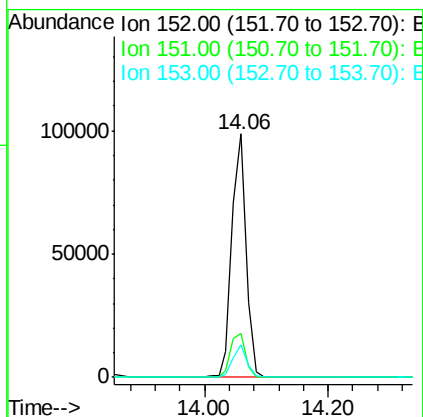
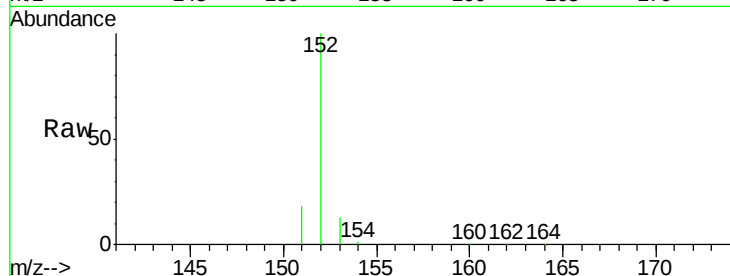
ClientSampleId :

PB83893BS

Tgt Ion:	152	Resp:	155558
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.5	23.3
153	12.9	10.3	15.5

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#16

Acenaphthene

Concen: 9.13 ng

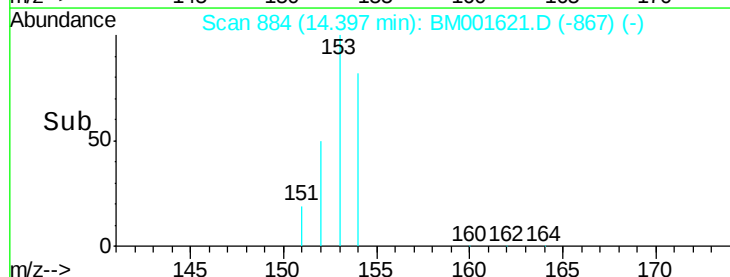
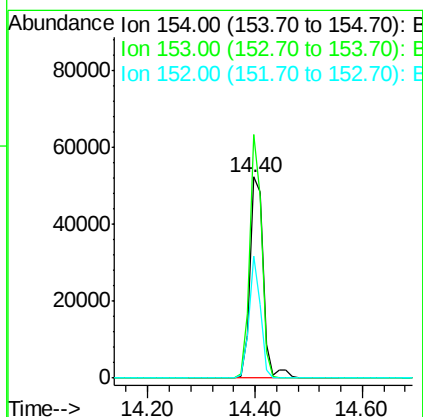
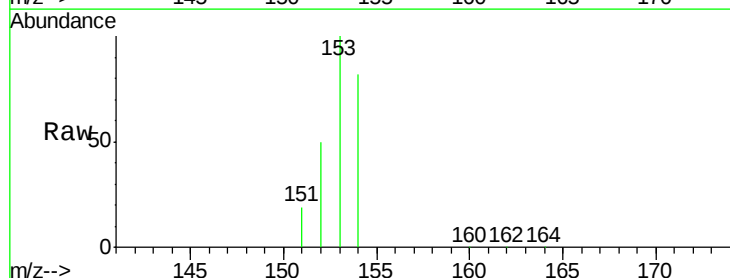
RT: 14.40 min Scan# 884

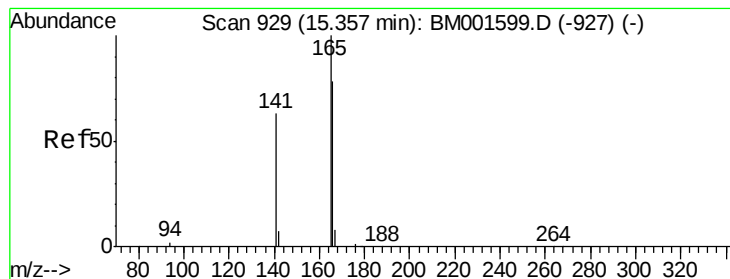
Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion:	154	Resp:	91464
Ion Ratio	Lower	Upper	
154	100		
153	107.0	89.4	134.0
152	51.1	43.6	65.4





#17

Fluorene

Concen: 9.51 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001621.D

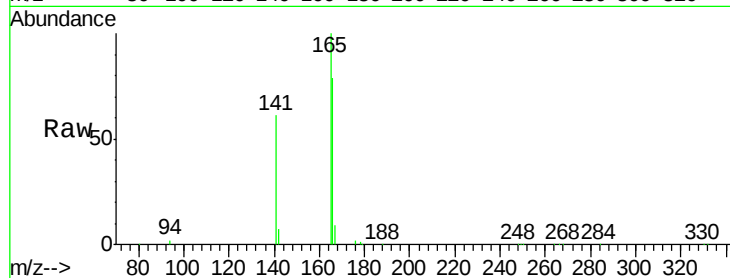
Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

ClientSampleId :

PB83893BS



Tgt Ion:166 Resp: 64523

Ion Ratio Lower Upper

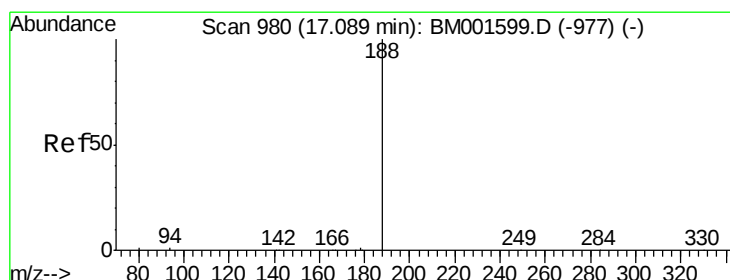
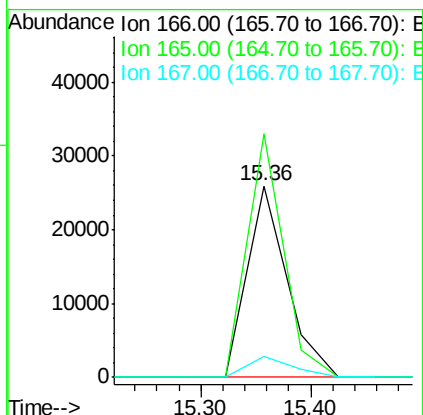
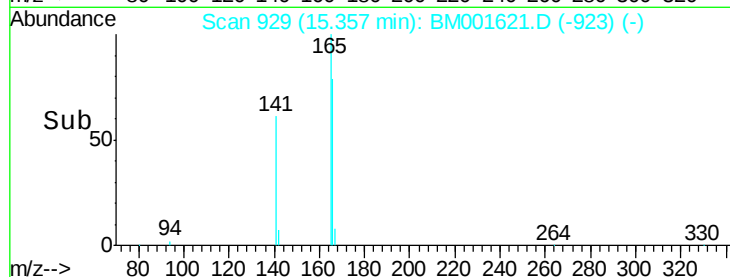
166 100

165 116.0 87.8 131.8

167 12.1 10.0 15.0

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#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

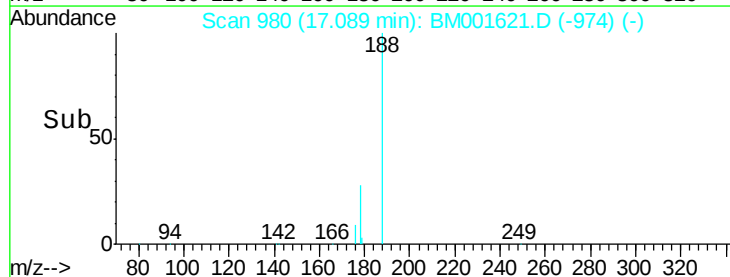
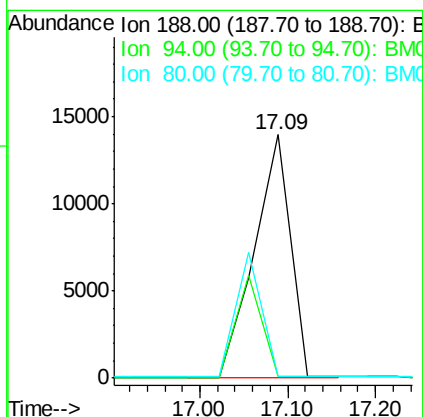
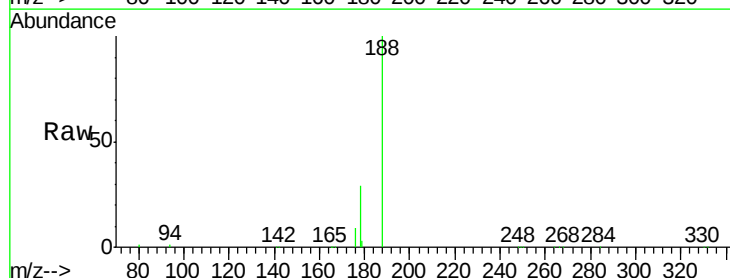
Tgt Ion:188 Resp: 40316

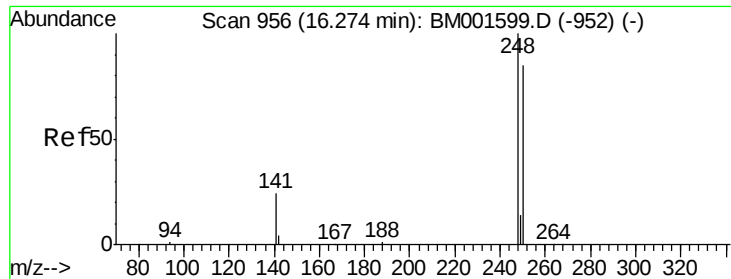
Ion Ratio Lower Upper

188 100

94 0.8 1.0 1.6#

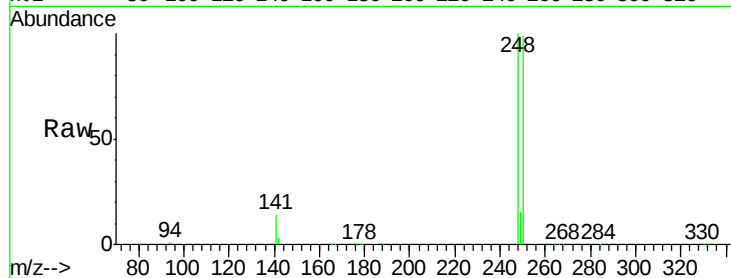
80 0.9 1.0 1.4#





#19
4-Bromophenyl-phenylether
Concen: 10.98 ng
RT: 16.27 min Scan# 956
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

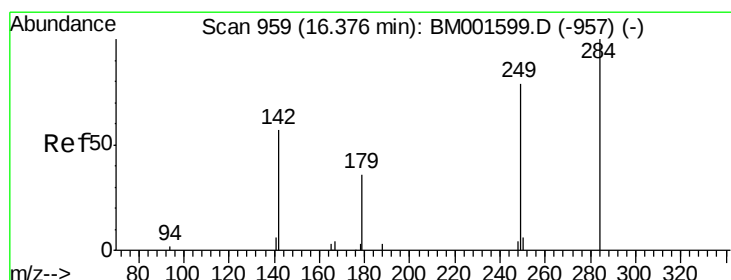
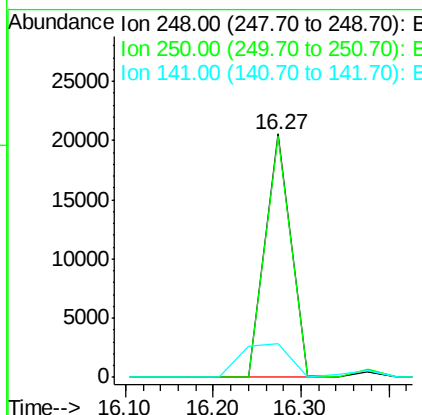
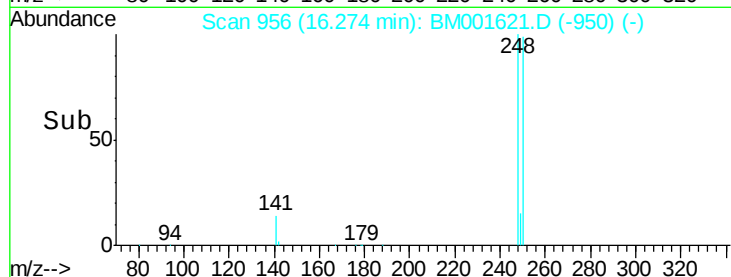
Instrument :
BNA_M
ClientSampleId :
PB83893BS



Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	68.6	103.0
141	26.0	25.5	38.3

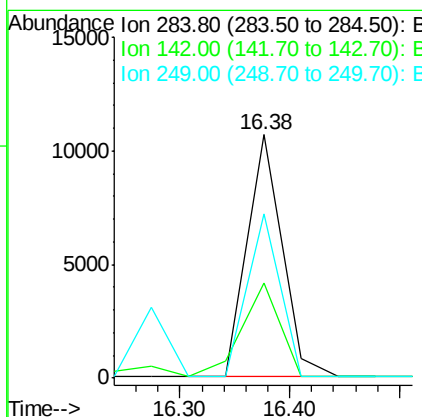
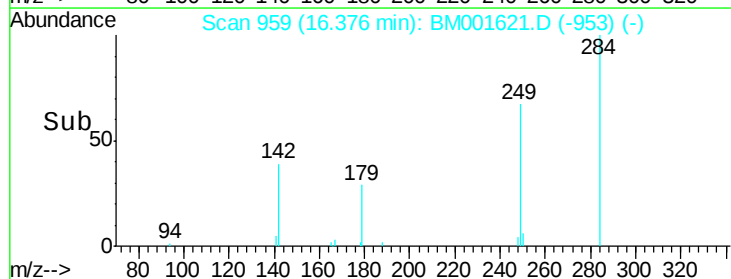
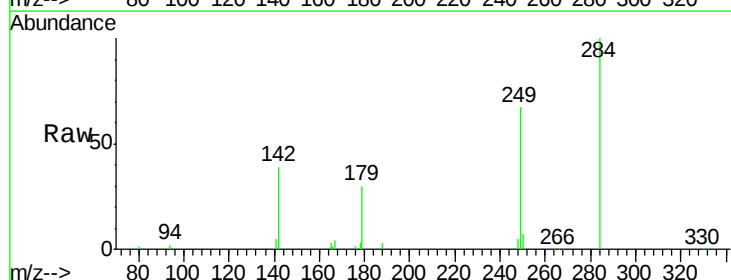
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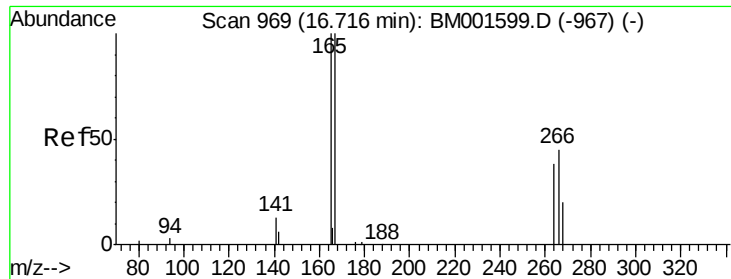
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#20
Hexachlorobenzene
Concen: 11.22 ng
RT: 16.38 min Scan# 959
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
284	100		
142	46.2	47.3	70.9#
249	62.4	75.8	113.6#





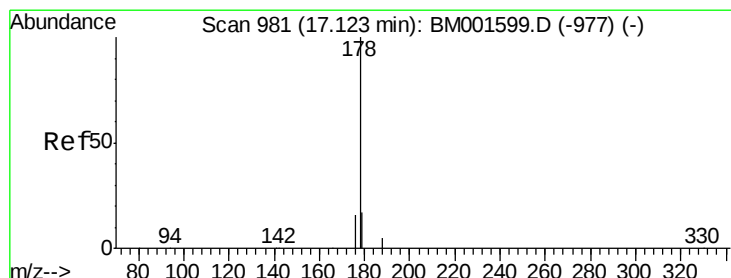
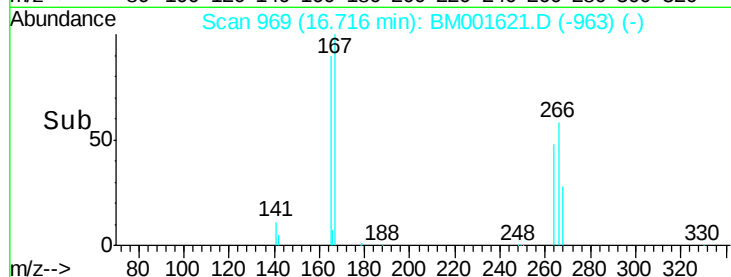
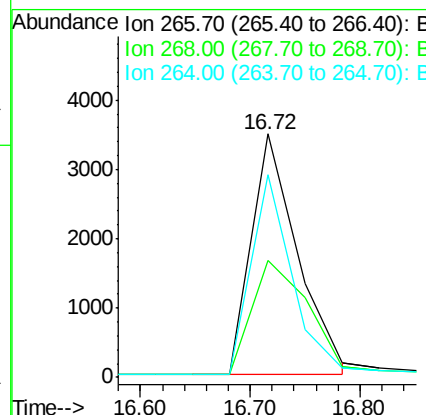
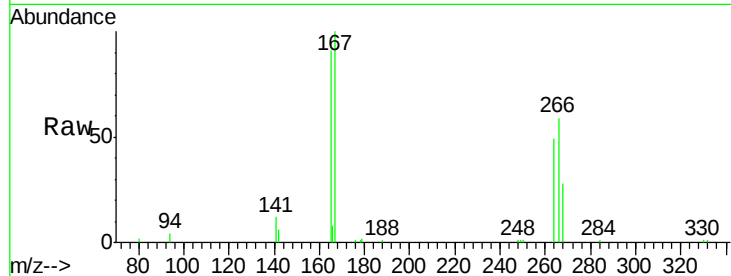
#21
 Pentachlorophenol
 Concen: 14.39 ng
 RT: 16.72 min Scan# 969
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS

Tgt Ion	Ratio	Lower	Upper
266	100		
268	47.9	45.8	68.8
264	83.0	70.6	106.0

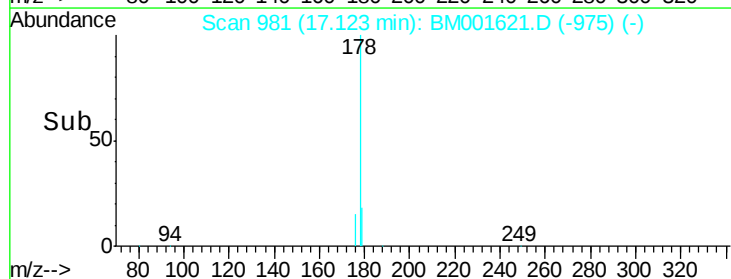
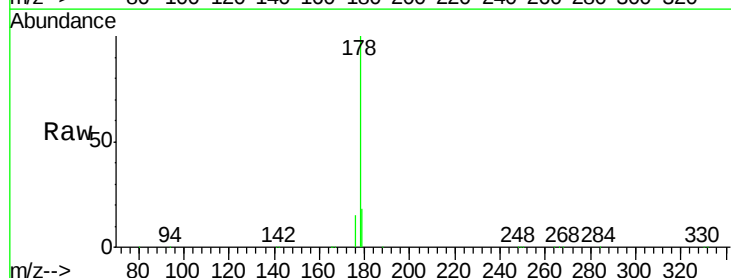
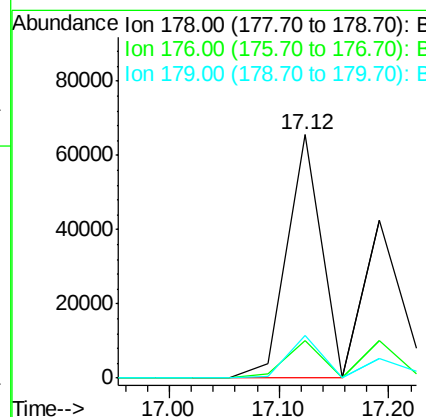
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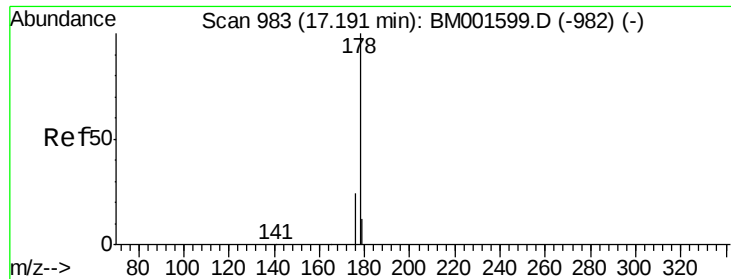
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#22
 Phenanthrene
 Concen: 9.87 ng
 RT: 17.12 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

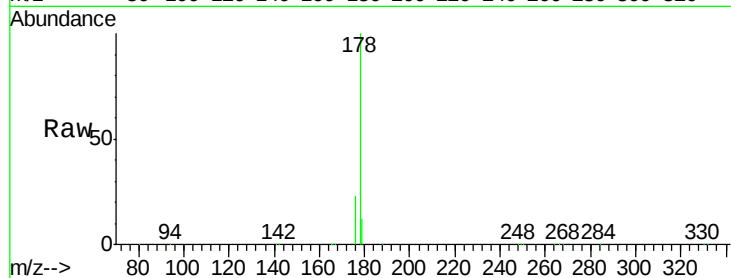
Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.2	13.2	19.8
179	17.1	13.8	20.8





#23
 Anthracene
 Concen: 12.18 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

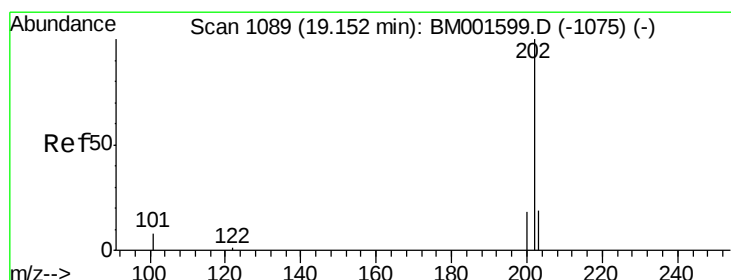
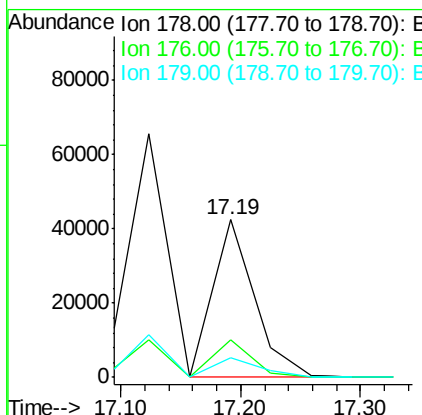
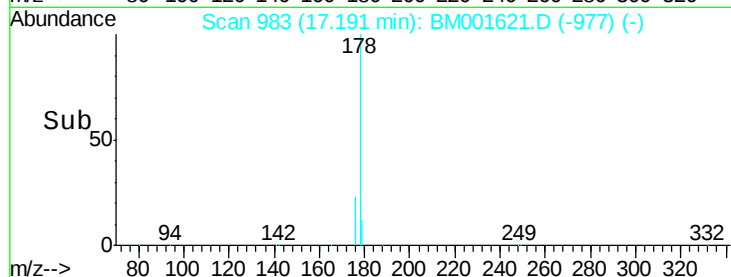
Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS



Tgt Ion	Ratio	Lower	Upper
178	100		
176	43.6	21.9	32.9#
179	36.8	23.0	34.4#

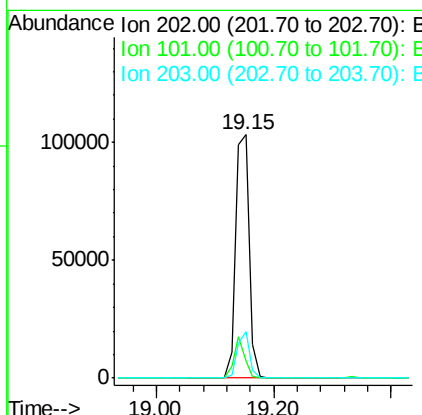
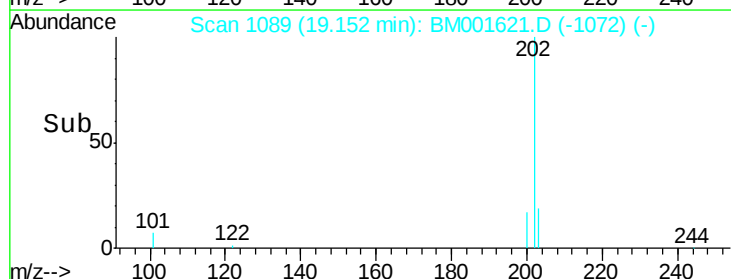
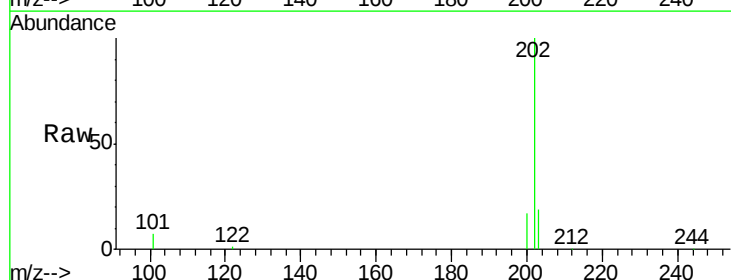
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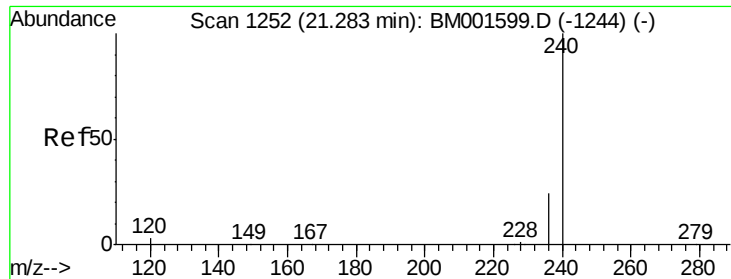
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#24
 Fluoranthene
 Concen: 10.70 ng
 RT: 19.15 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.4	15.6
203	17.2	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001621.D

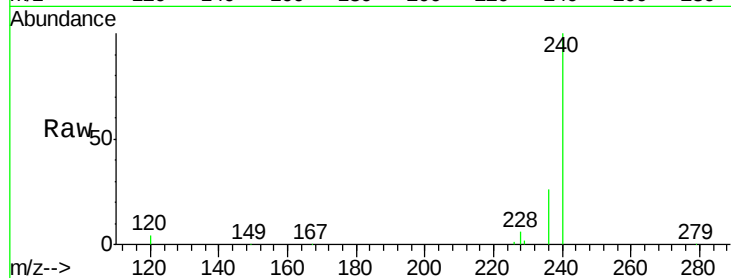
Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

ClientSampleId :

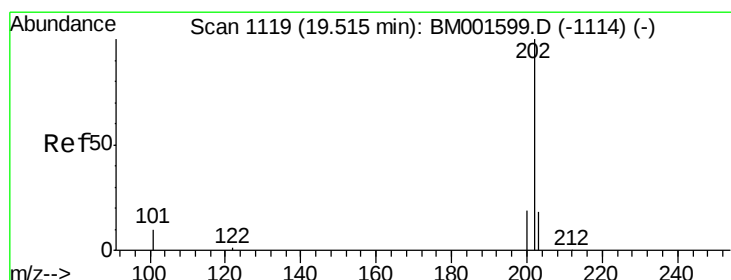
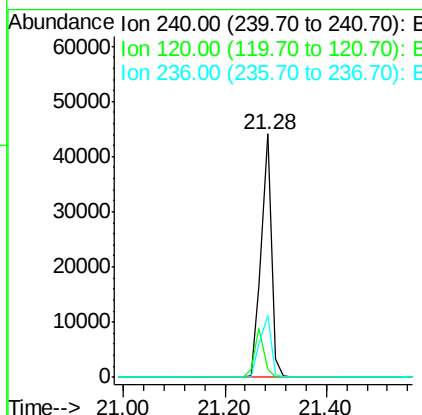
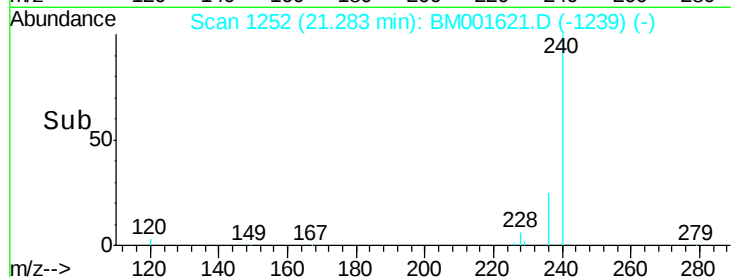
PB83893BS



Tgt Ion:	240	Resp:	59851
Ion Ratio	Lower	Upper	
240	100		
120	3.6	2.2	3.4#
236	25.6	19.6	29.4

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#26

Pyrene

Concen: 8.95 ng

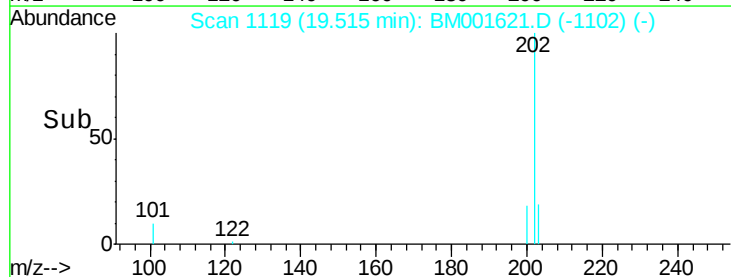
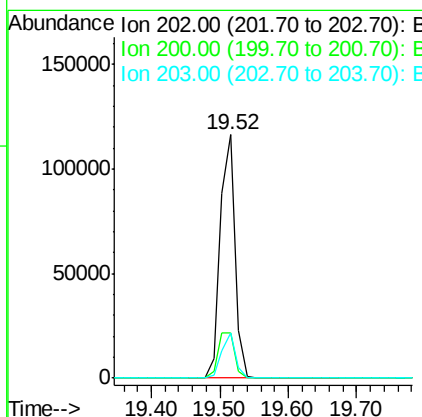
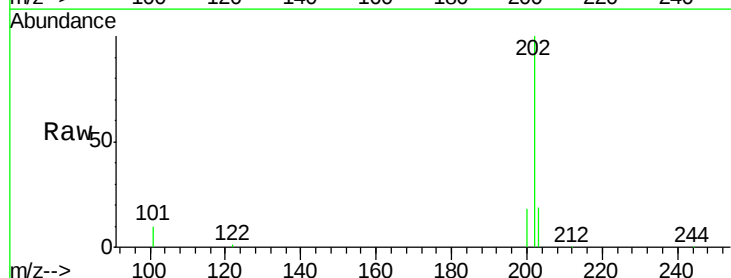
RT: 19.52 min Scan# 1119

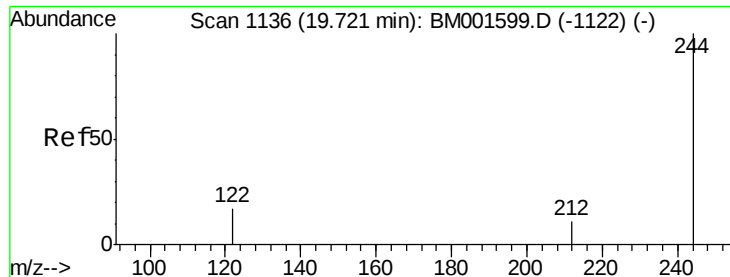
Delta R.T. 0.00 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

Tgt Ion:	202	Resp:	173592
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.7	25.1
203	17.5	14.0	21.0





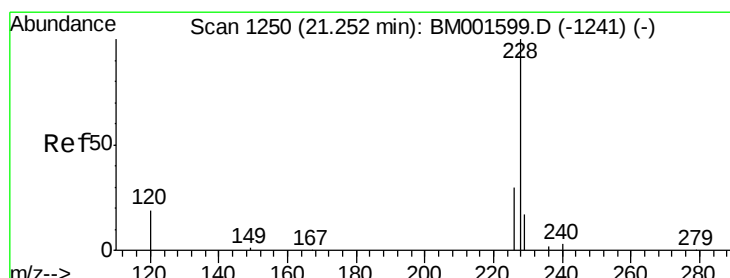
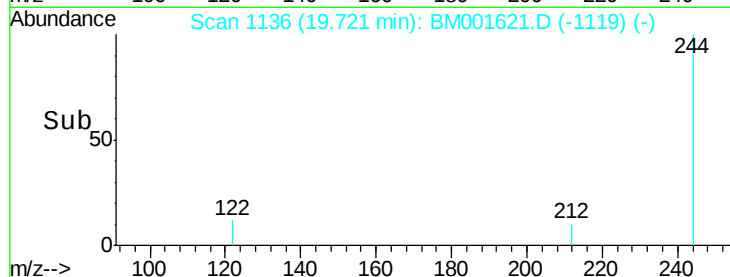
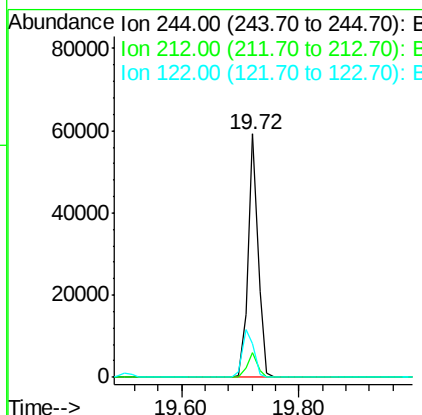
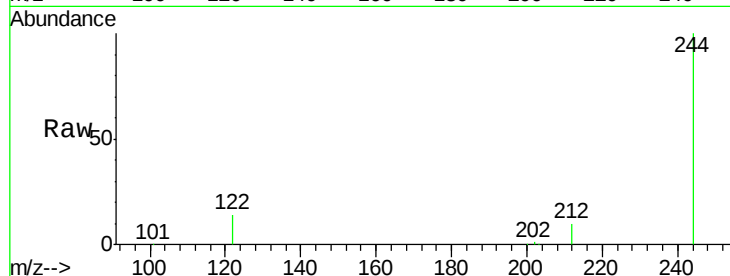
#27
 Terphenyl-d14
 Concen: 9.05 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.0	9.2	13.8
122	13.8	14.5	21.7#

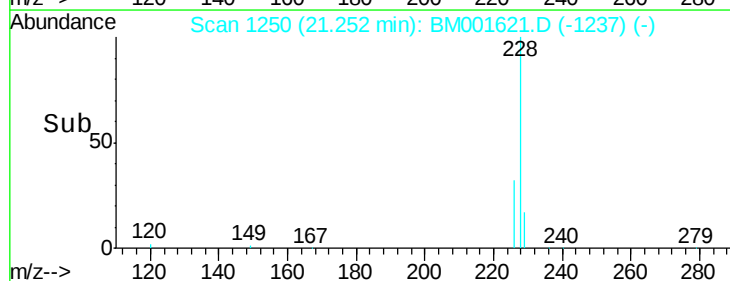
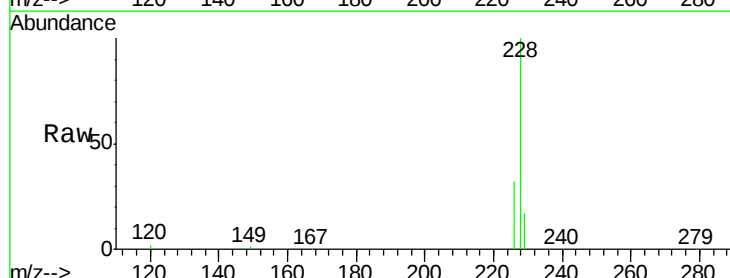
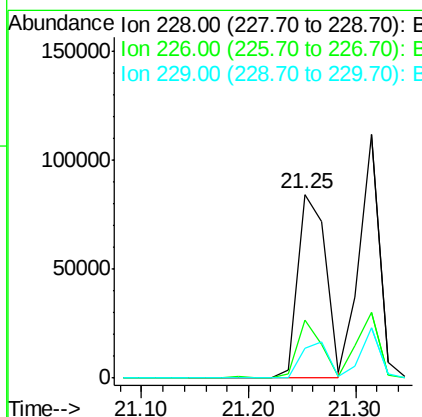
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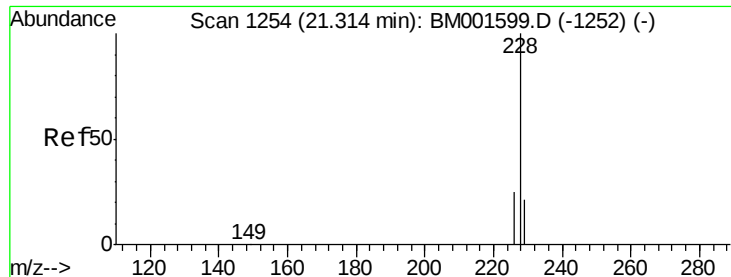
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#28
 Benzo(a)anthracene
 Concen: 8.66 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.6	37.0
229	16.6	13.8	20.8





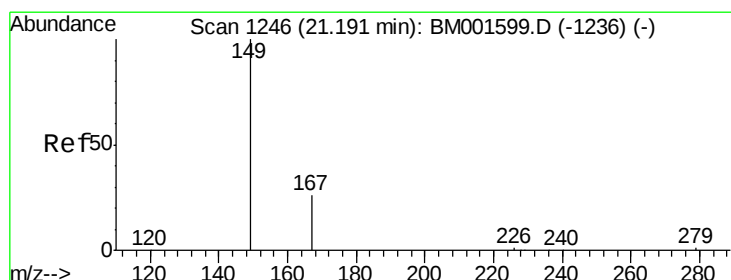
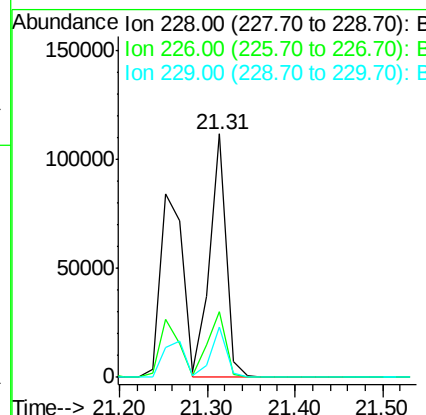
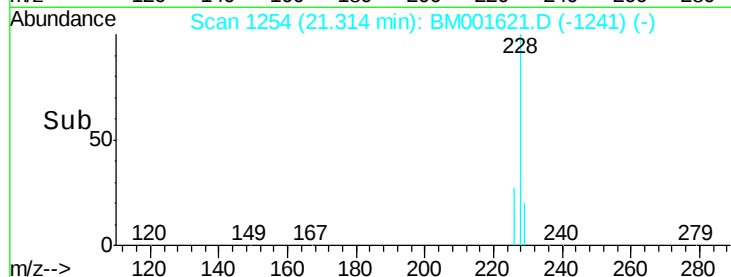
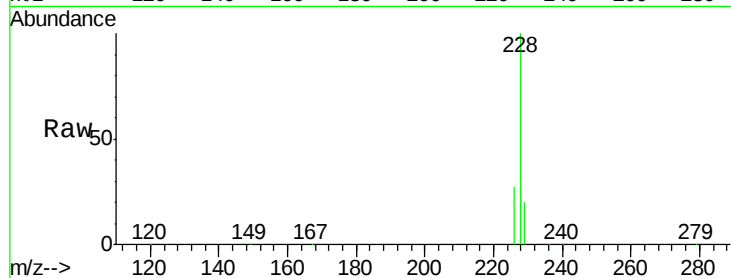
#29
Chrysene
Concen: 8.82 ng
RT: 21.31 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

Instrument :
BNA_M
ClientSampleId :
PB83893BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	20.6	31.0
229	20.5	17.4	26.2

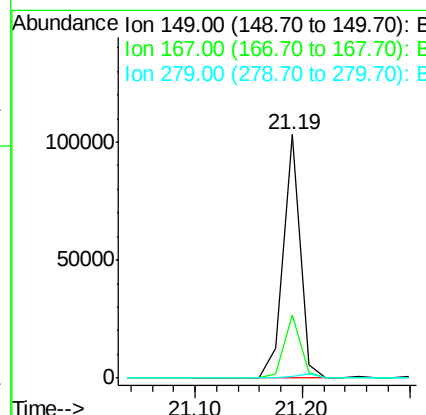
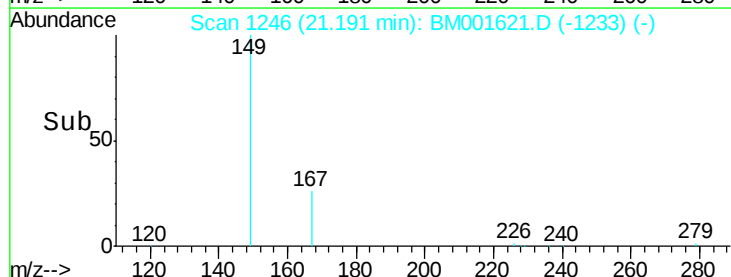
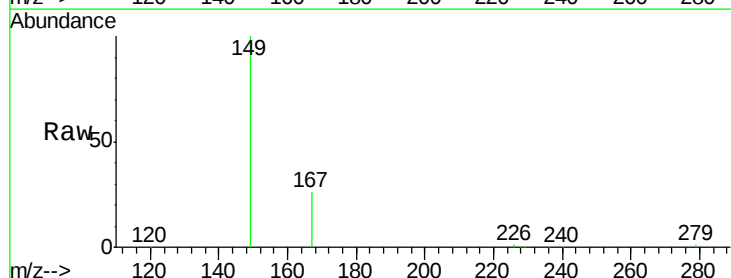
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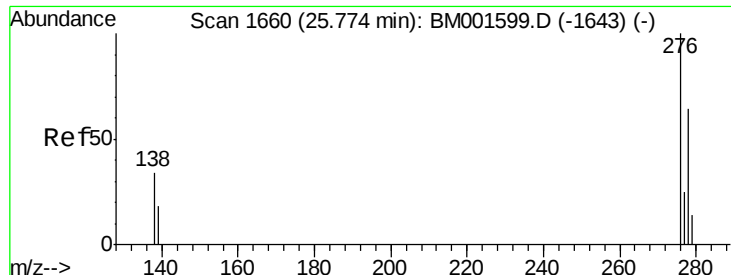
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#30
Bis(2-ethylhexyl)phthalate
Concen: 11.14 ng
RT: 21.19 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM001621.D
Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	20.2	30.4
279	1.9	1.7	2.5





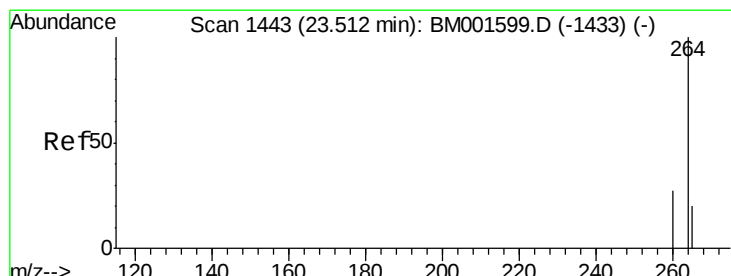
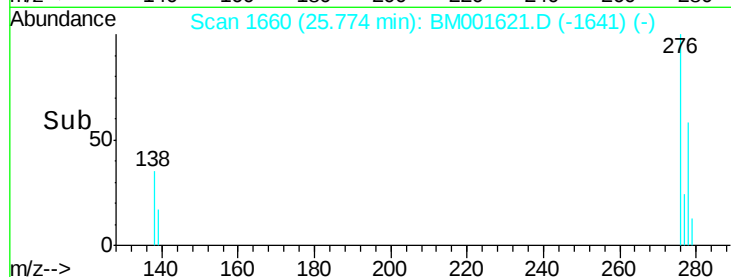
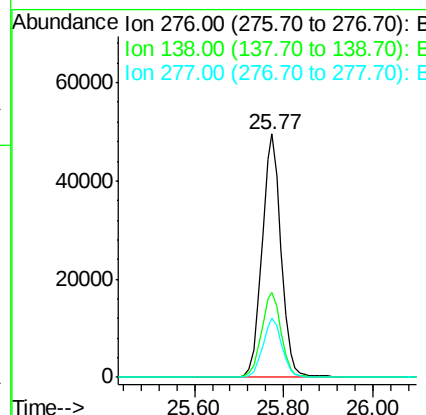
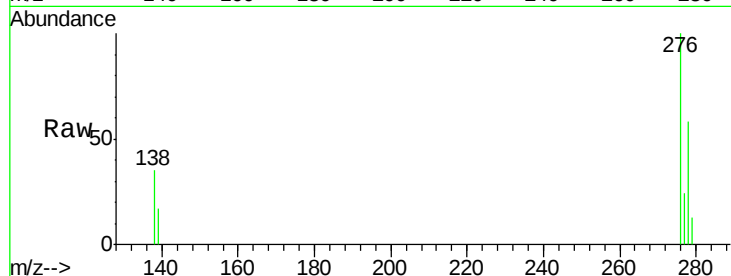
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 8.71 ng
 RT: 25.77 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	36.0	28.2	42.2
277	24.6	19.4	29.2

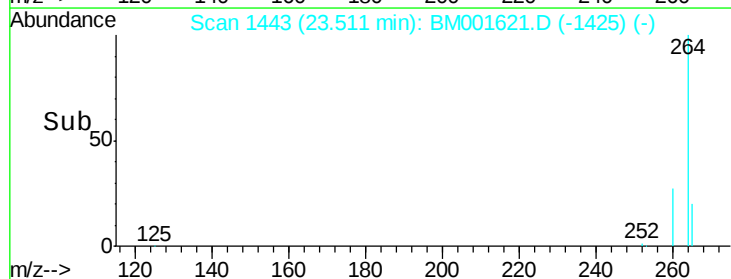
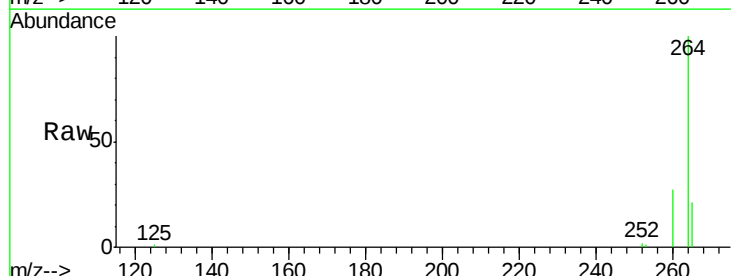
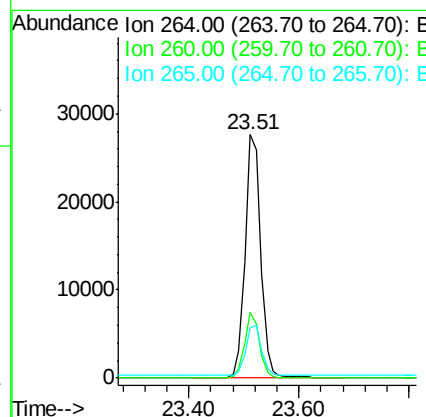
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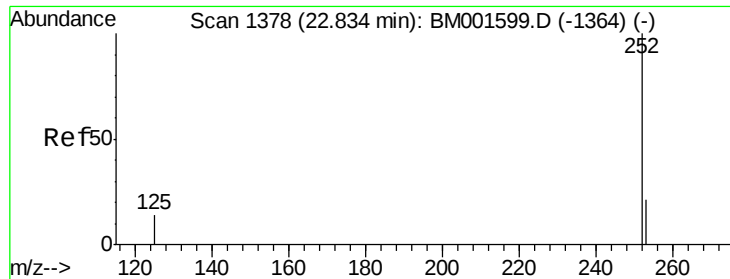
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.8	21.8	32.6
265	20.7	16.8	25.2





#33

Benzo(b)fluoranthene

Concen: 9.58 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001621.D

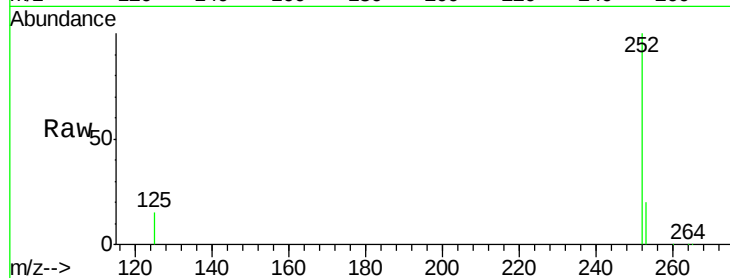
Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

ClientSampleId :

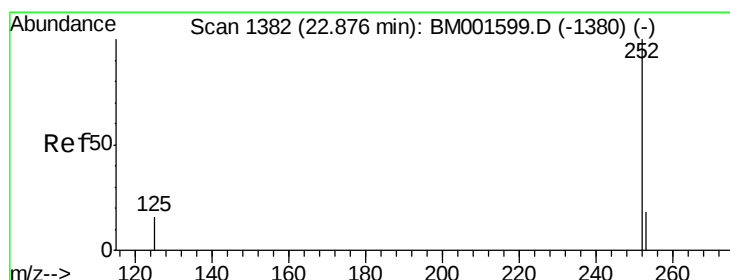
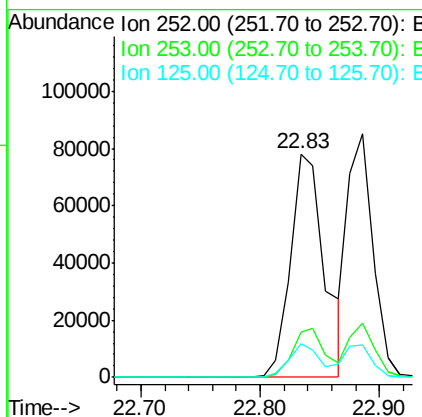
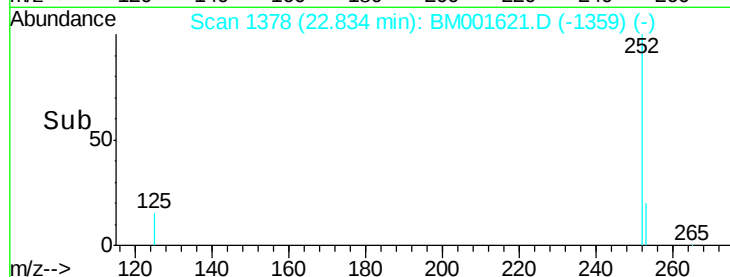
PB83893BS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.6	26.4
125	14.8	12.4	18.6

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#34

Benzo(k)fluoranthene

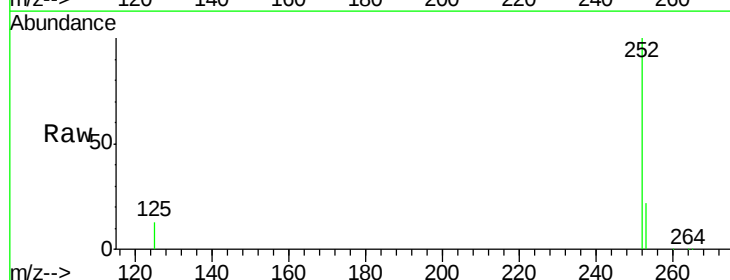
Concen: 8.03 ng

RT: 22.89 min Scan# 1383

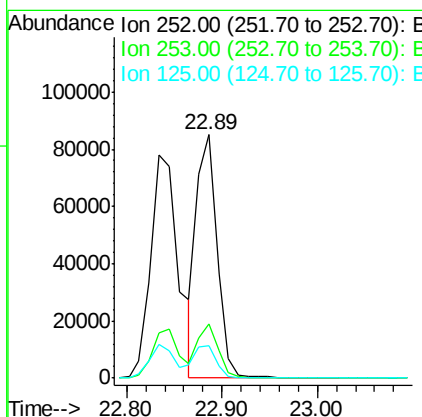
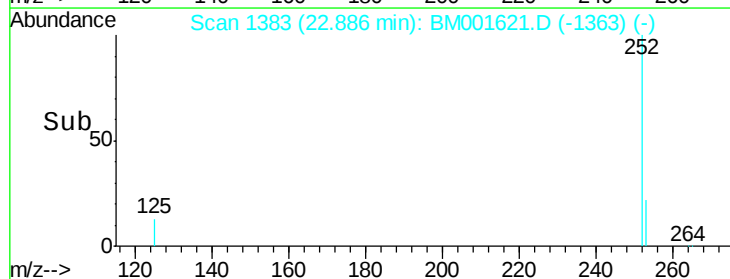
Delta R.T. 0.01 min

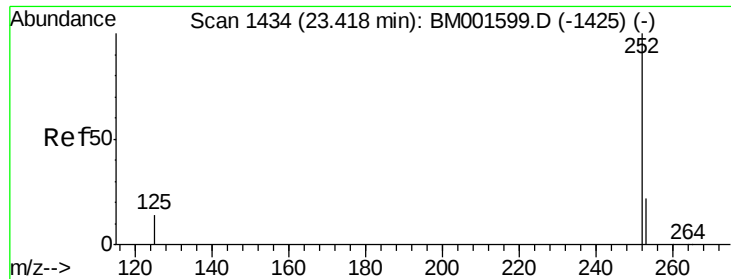
Lab File: BM001621.D

Acq: 09 Jun 2015 18:58



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.2	12.8	19.2





#35

Benzo(a)pyrene

Concen: 8.94 ng

RT: 23.42 min Scan# 1434

Delta R.T. 0.00 min

Lab File: BM001621.D

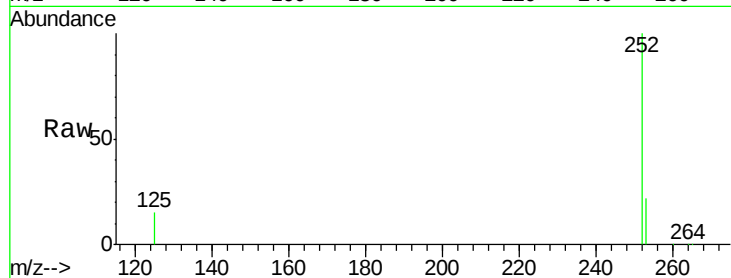
Acq: 09 Jun 2015 18:58

Instrument :

BNA_M

ClientSampleId :

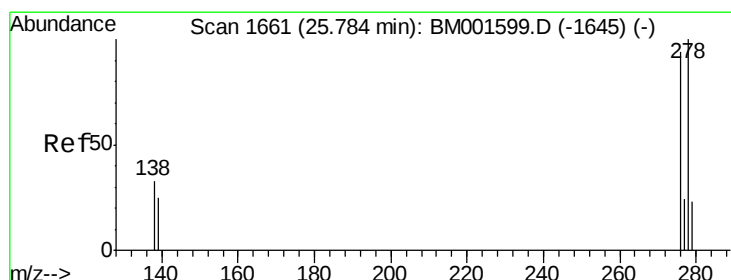
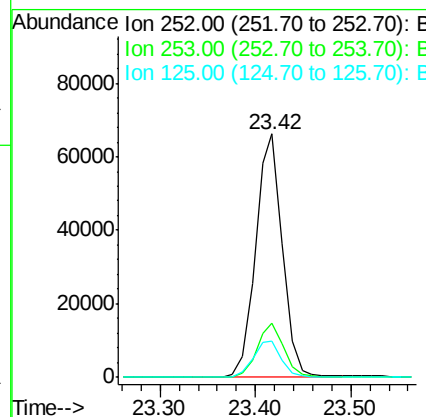
PB83893BS



Tgt Ion:	252	Resp:	128498
Ion Ratio	Lower	Upper	
252	100		
253	22.2	19.4	29.0
125	14.8	13.0	19.6

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#36

Dibenzo(a,h)anthracene

Concen: 8.67 ng

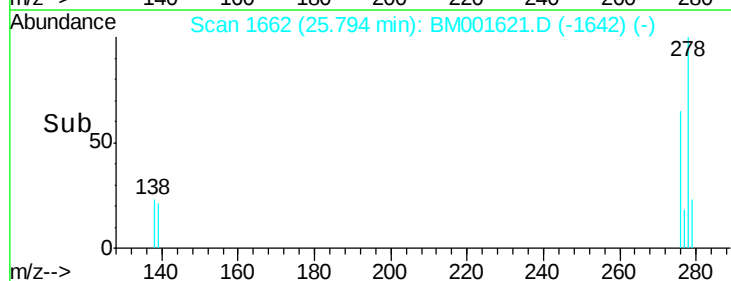
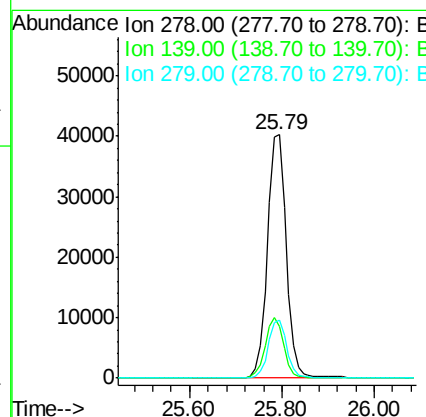
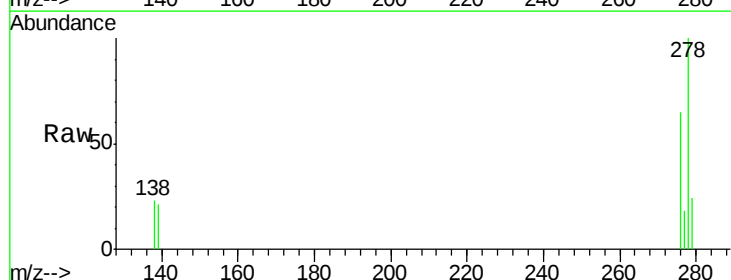
RT: 25.79 min Scan# 1662

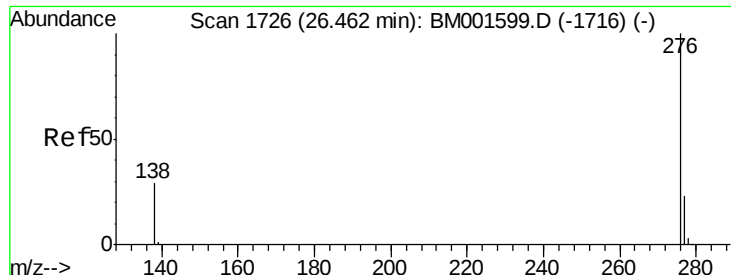
Delta R.T. 0.01 min

Lab File: BM001621.D

Acq: 09 Jun 2015 18:58

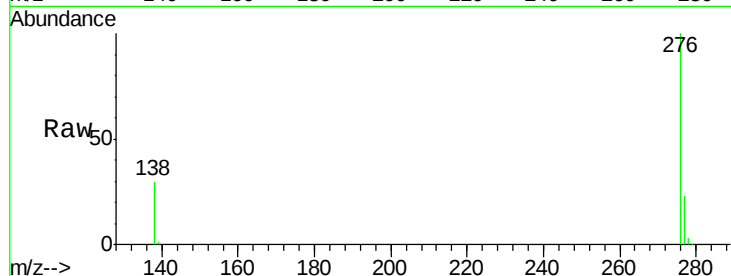
Tgt Ion:	278	Resp:	113846
Ion Ratio	Lower	Upper	
278	100		
139	21.2	20.6	31.0
279	23.6	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 8.33 ng
 RT: 26.46 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM001621.D
 Acq: 09 Jun 2015 18:58

Instrument :
 BNA_M
 ClientSampleId :
 PB83893BS



Tgt	Ion	276	Resp	117936
Ion	Ratio	Lower	Upper	
276	100			
277	23.5	19.4	29.0	
138	30.5	24.5	36.7	

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