

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001662.D
 Acq On : 12 Jun 2015 05:27
 Operator : TP/IZ
 Sample : PB83950BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS

Manual Integrations
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Quant Time: Jun 12 16:56:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:27:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	21089	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	83880	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	43187	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	47459	5.00	ng	0.00
25) Chrysene-d12	21.27	240	80901	5.00	ng	0.00
32) Perylene-d12	23.50	264	64958	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	48717	9.76	ng	0.00
5) Phenol-d6	6.84	99	68457	10.91	ng	0.00
7) Nitrobenzene-d5	8.85	82	44203	6.88	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	25478	16.20	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	97174	6.44	ng	0.00
27) Terphenyl-d14	19.72	244	82334	6.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	13834	6.42	ng	96
3) n-Nitrosodimethylamine	3.51	42	26088	7.09	ng	# 99
8) Nitrobenzene	8.89	77	51916	7.47	ng	98
9) Naphthalene	10.52	128	131950	6.49	ng	99
10) Hexachlorobutadiene	10.80	225	22055	6.53	ng	99
11) 2-Methylnaphthalene	12.15	142	90682	6.92	ng	97
15) Acenaphthylene	14.05	152	153206	7.59	ng	100
16) Acenaphthene	14.40	154	87463	6.81	ng	99
17) Fluorene	15.36	166	100115	7.63	ng	99
19) 4-Bromophenyl-phenylether	16.27	248	37030	7.78	ng	# 87
20) Hexachlorobenzene	16.38	284	38814	8.99	ng	93
21) Pentachlorophenol	16.72	266	173361	98.72	ng	96
22) Phenanthrene	17.12	178	110339m	7.09	ng	
23) Anthracene	17.19	178	173715m	9.44	ng	
24) Fluoranthene	19.14	202	205566	8.92	ng	100
26) Pyrene	19.50	202	222423	8.01	ng	99
28) Benzo(a)anthracene	21.25	228	197802	7.78	ng	100
29) Chrysene	21.30	228	173234	7.12	ng	99
30) Bis(2-ethylhexyl)phthalate	21.18	149	151659	8.22	ng	99
31) Indeno(1,2,3-cd)pyrene	25.75	276	141193	7.39	ng	99
33) Benzo(b)fluoranthene	22.82	252	164808	7.78	ng	98
34) Benzo(k)fluoranthene	22.88	252	162745	7.91	ng	95
35) Benzo(a)pyrene	23.40	252	148047	8.39	ng	97
36) Dibenzo(a,h)anthracene	25.77	278	112455	7.58	ng	97
37) Benzo(g,h,i)perylene	26.44	276	115912	7.67	ng	99

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

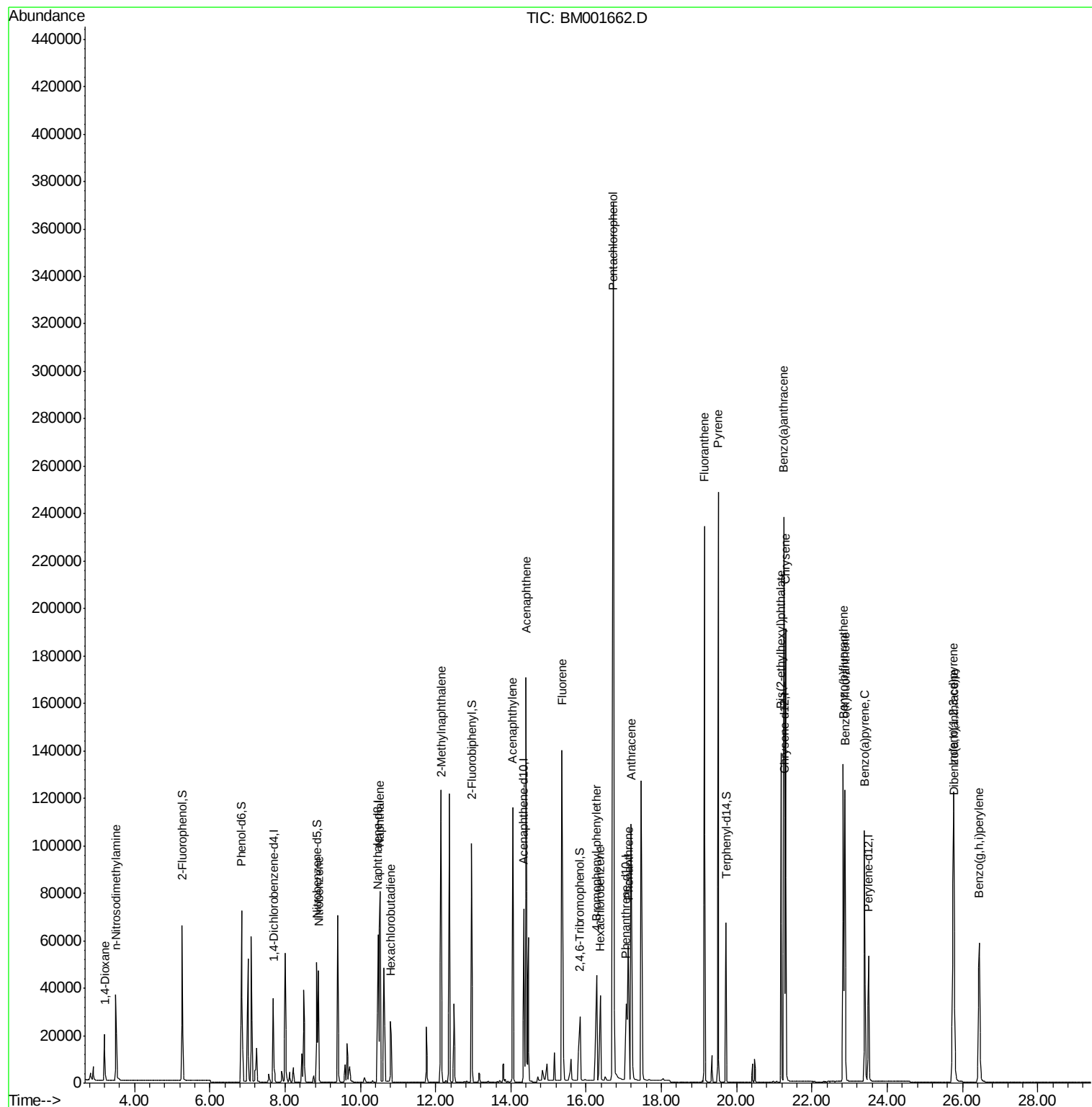
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
Data File : BM001662.D
Acq On : 12 Jun 2015 05:27
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Sample : PB83950BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

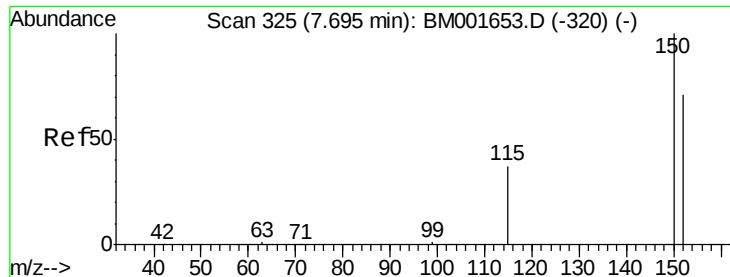
Instrument :
BNA_M
ClientSampleId :
PB83950BS

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Quant Time: Jun 12 16:56:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
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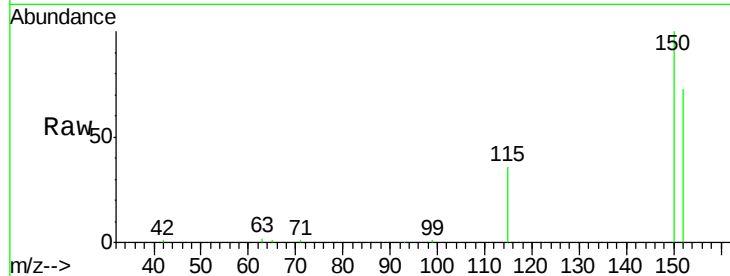




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

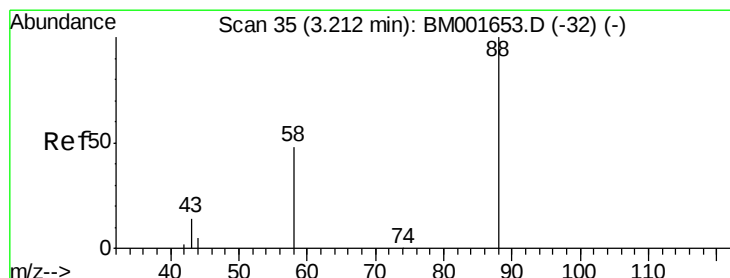
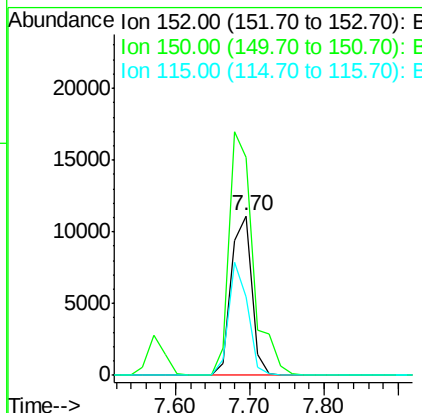
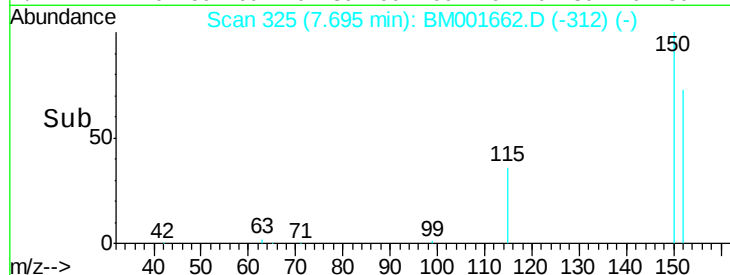
Instrument :
BNA_M
ClientSampleId :
PB83950BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	136.8	112.2	168.2
115	49.3	41.7	62.5

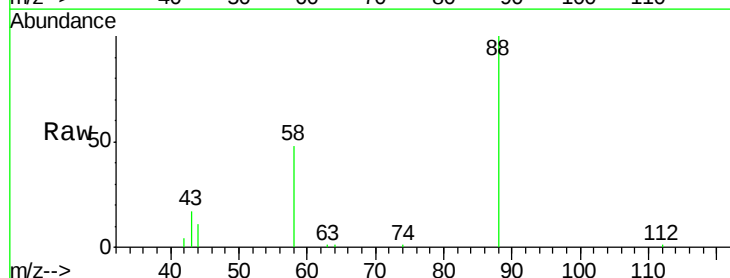
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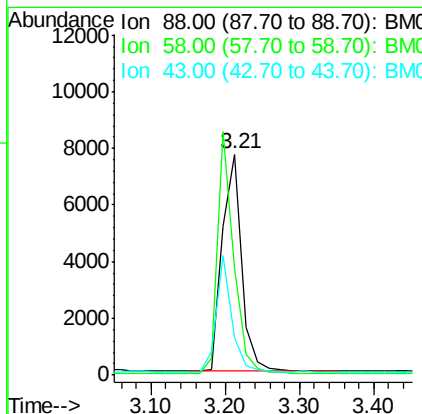
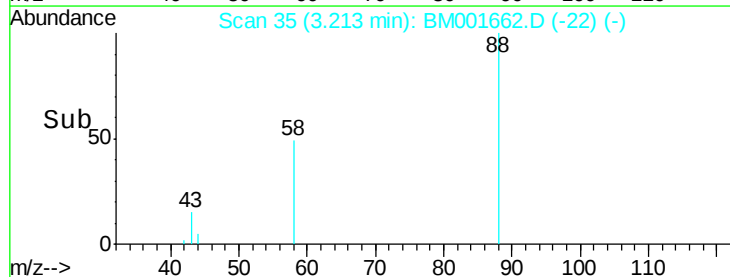


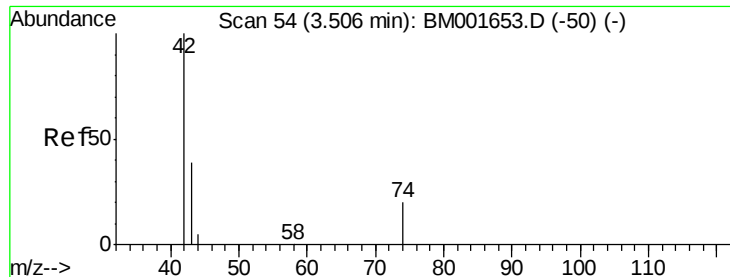
#2

1,4-Dioxane
Concen: 6.42 ng
RT: 3.21 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27



Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.4	70.5	105.7
43	42.8	33.3	49.9





#3

n-Nitrosodimethylamine

Concen: 7.09 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

ClientSampleId :

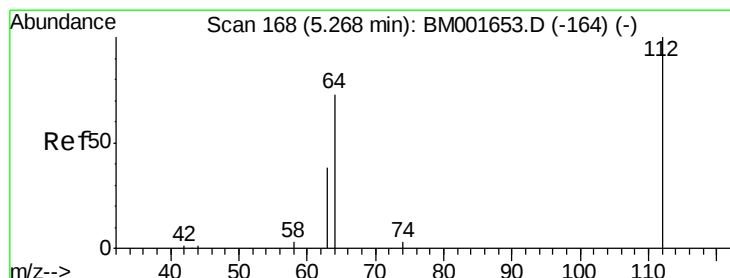
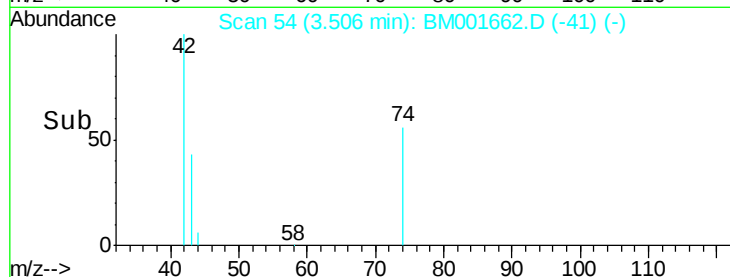
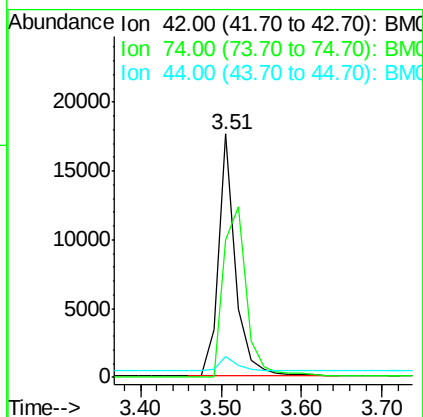
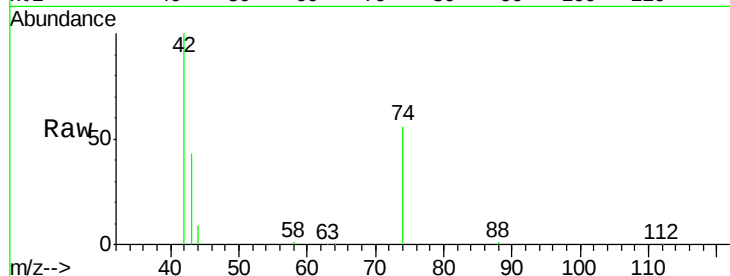
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.7	75.7	113.5
44	6.2	6.7	10.1#



#4

2-Fluorophenol

Concen: 9.76 ng

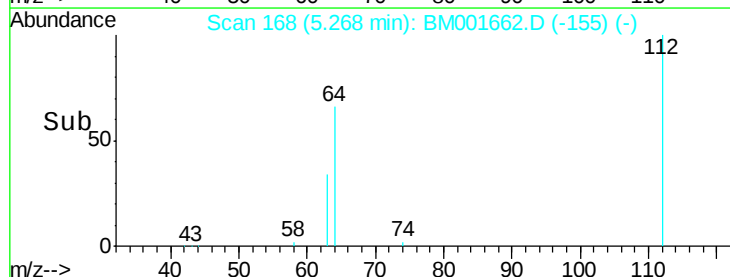
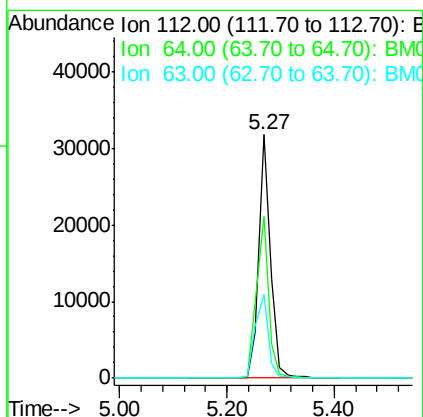
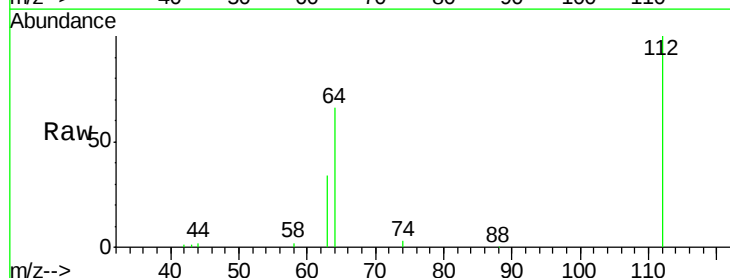
RT: 5.27 min Scan# 168

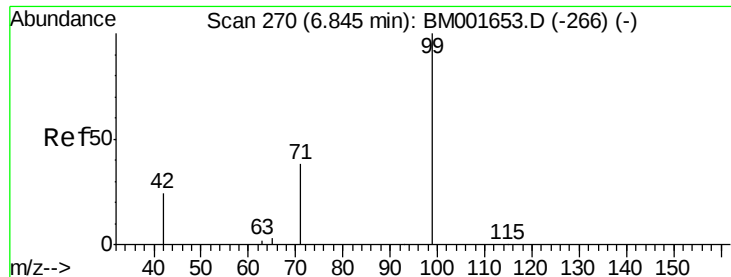
Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	55.5	83.3
63	38.3	29.9	44.9





#5

Phenol-d6

Concen: 10.91 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

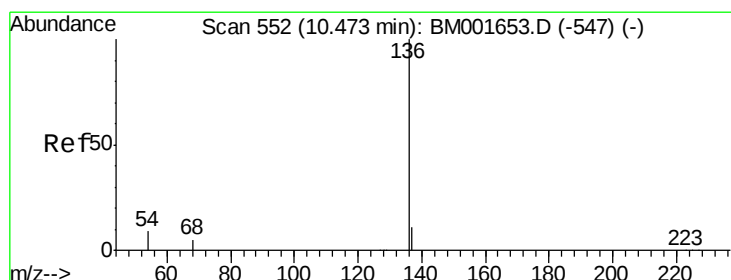
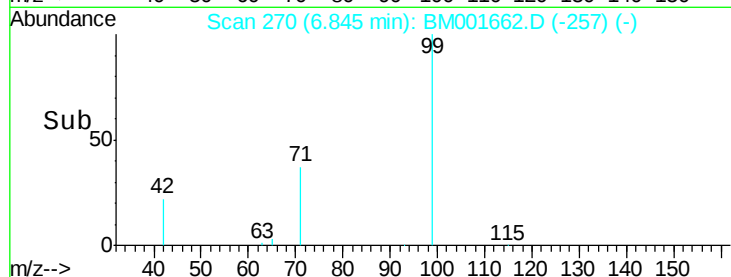
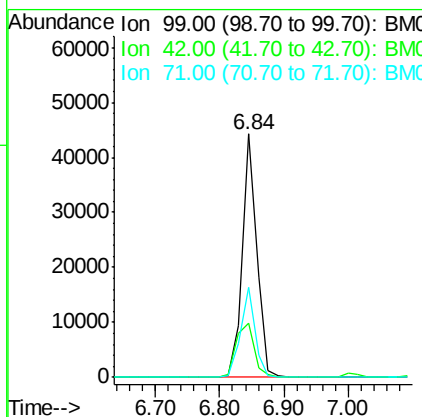
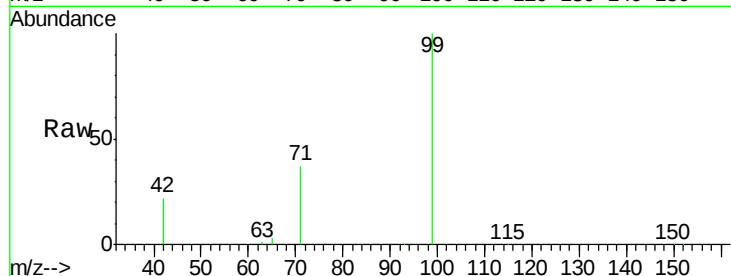
ClientSampleId :

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Tgt Ion:	99	Resp:	68457
Ion Ratio	Lower	Upper	
99	100		
42	27.6	21.6	32.4
71	36.7	28.7	43.1

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#6

Naphthalene-d8

Concen: 5.00 ng

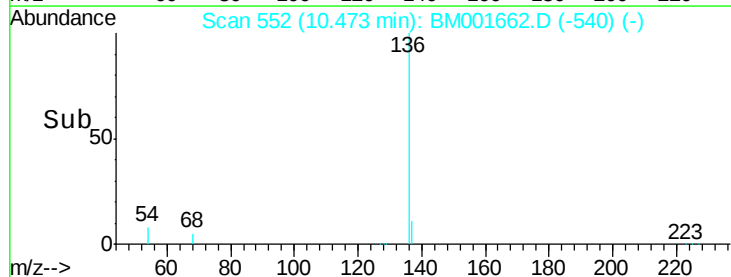
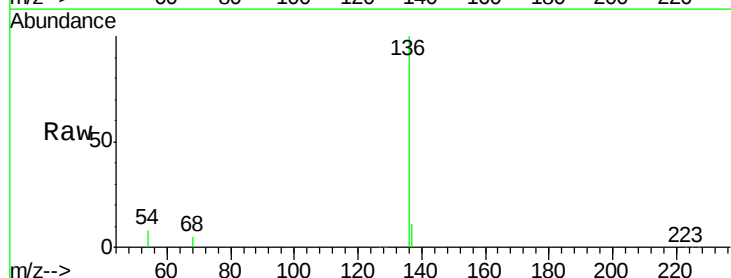
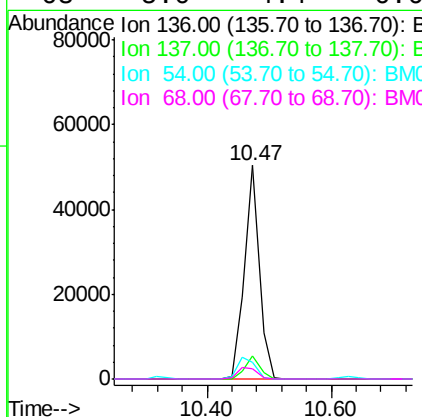
RT: 10.47 min Scan# 552

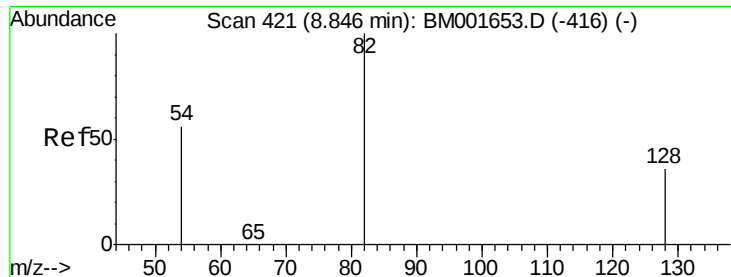
Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Tgt Ion:	136	Resp:	83880
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	7.8	6.9	10.3
68	5.0	4.4	6.6





#7

Nitrobenzene-d5

Concen: 6.88 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001662.D

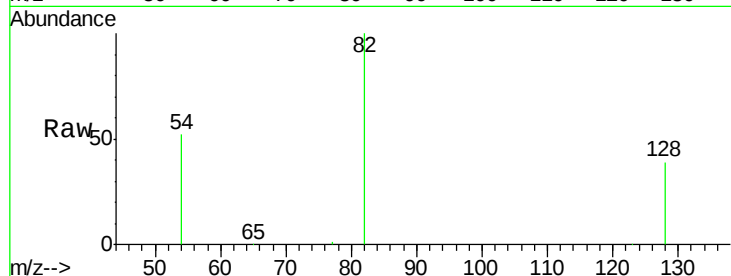
Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

ClientSampleId :

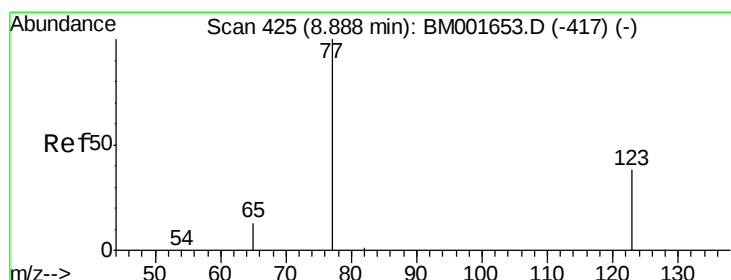
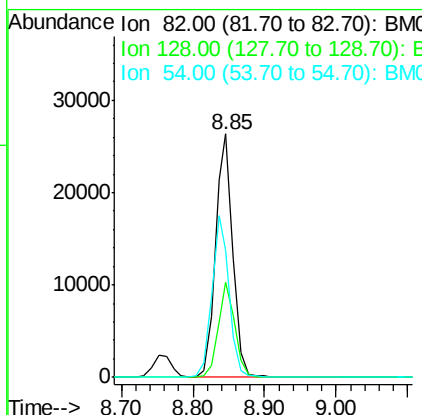
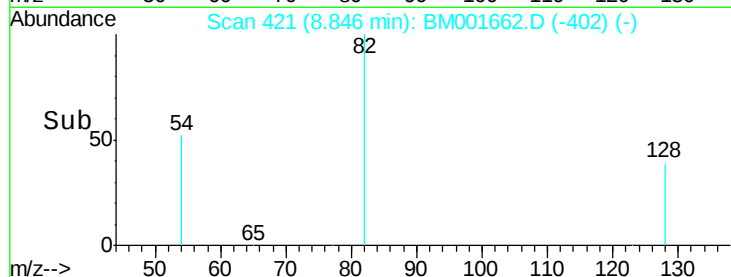
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Tgt Ion:	82	Resp:	44203
Ion	Ratio	Lower	Upper
82	100		
128	38.9	29.7	44.5
54	52.4	45.1	67.7

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#8

Nitrobenzene

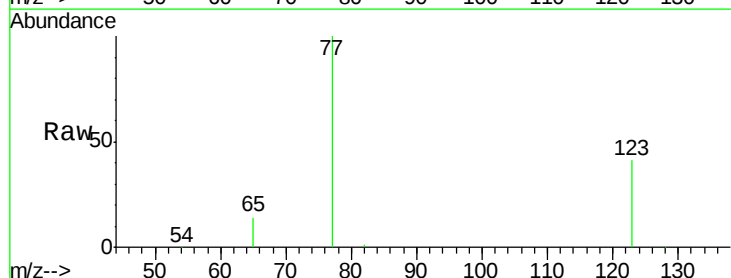
Concen: 7.47 ng

RT: 8.89 min Scan# 425

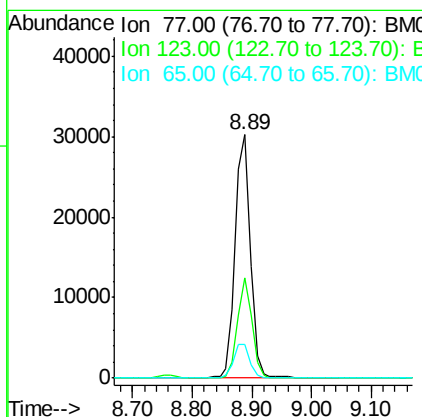
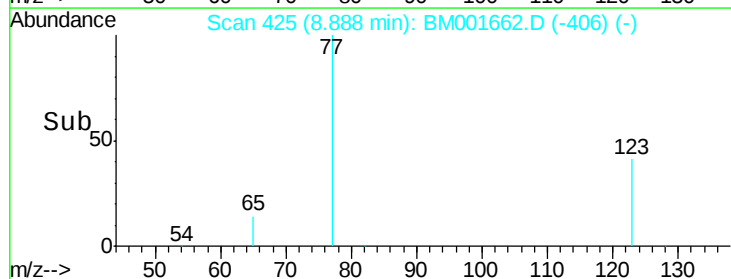
Delta R.T. 0.00 min

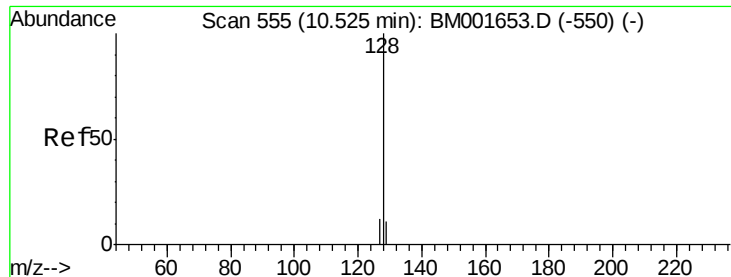
Lab File: BM001662.D

Acq: 12 Jun 2015 05:27



Tgt Ion:	77	Resp:	51916
Ion	Ratio	Lower	Upper
77	100		
123	39.0	30.3	45.5
65	14.6	11.2	16.8





#9

Naphthalene

Concen: 6.49 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001662.D

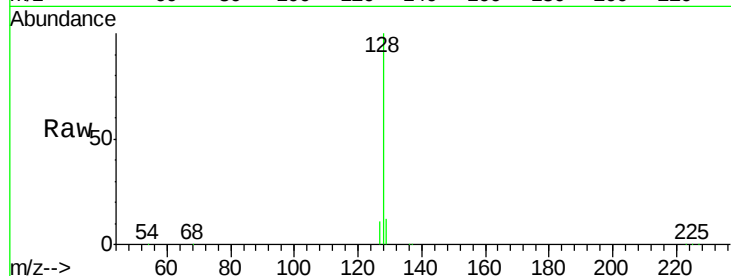
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Instrument :

BNA_M

ClientSampleId :

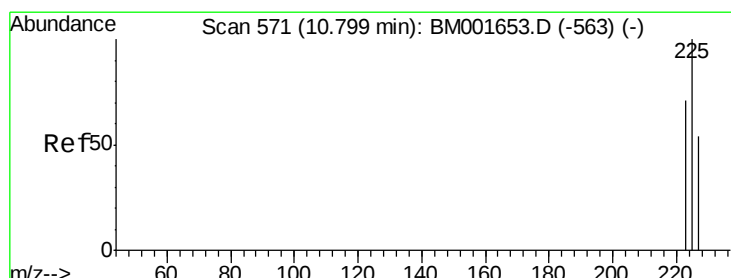
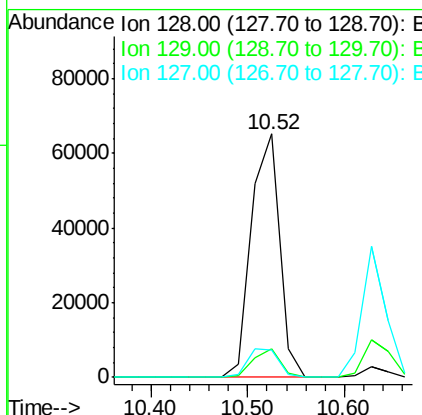
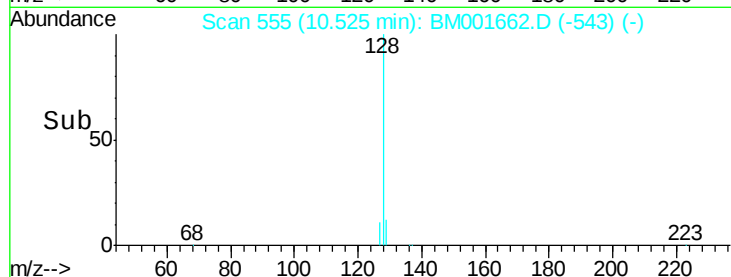
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	131950		
129	11.7		9.4	14.2
127	11.4		9.7	14.5

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#10

Hexachlorobutadiene

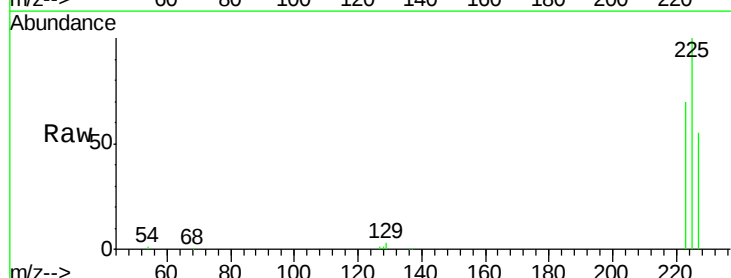
Concen: 6.53 ng

RT: 10.80 min Scan# 571

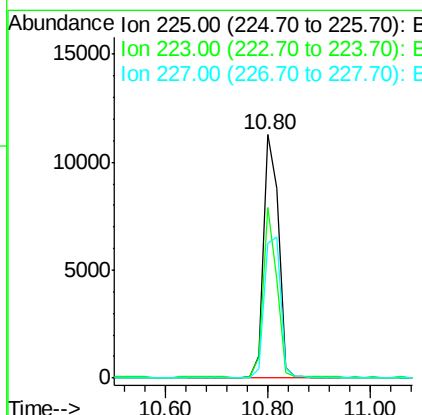
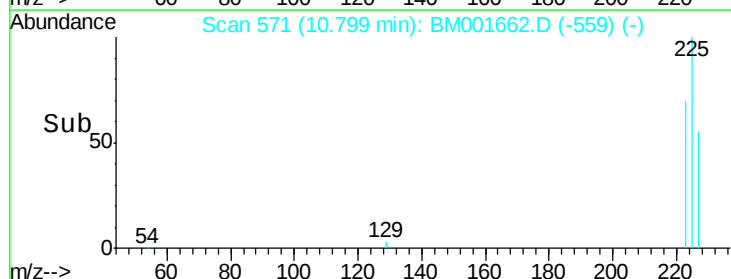
Delta R.T. 0.00 min

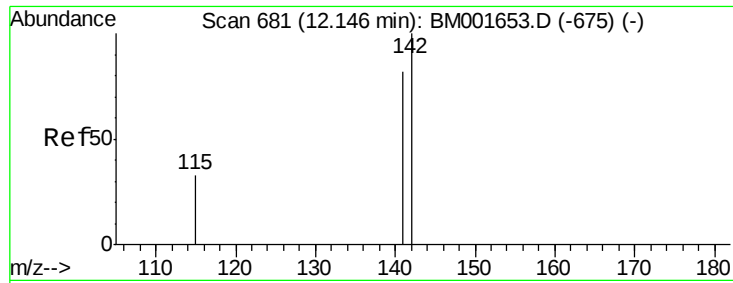
Lab File: BM001662.D

Acq: 12 Jun 2015 05:27



Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22055		
223	63.1		51.0	76.4
227	63.5		51.2	76.8





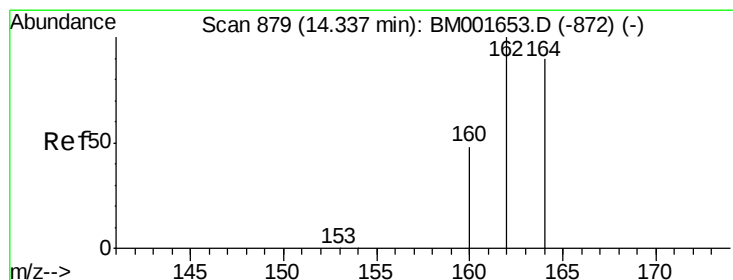
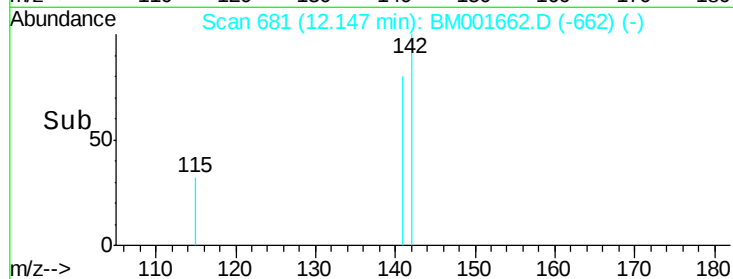
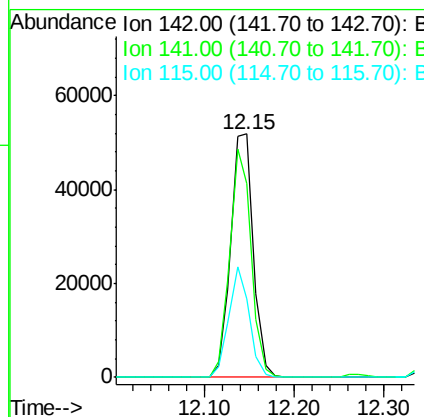
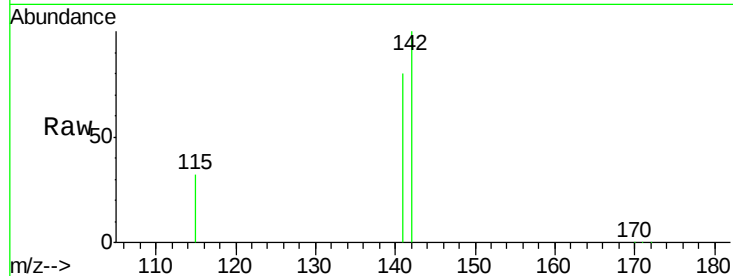
#11
2-Methylnaphthalene
Concen: 6.92 ng
RT: 12.15 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Instrument :
BNA_M
ClientSampleId :
PB83950BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.8	65.8	98.6
115	32.4	27.0	40.6

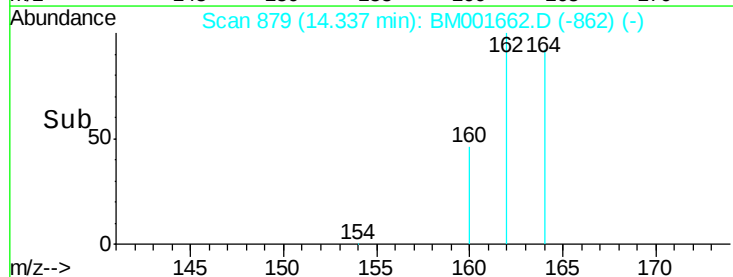
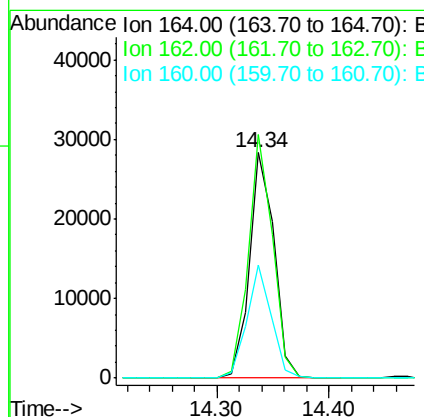
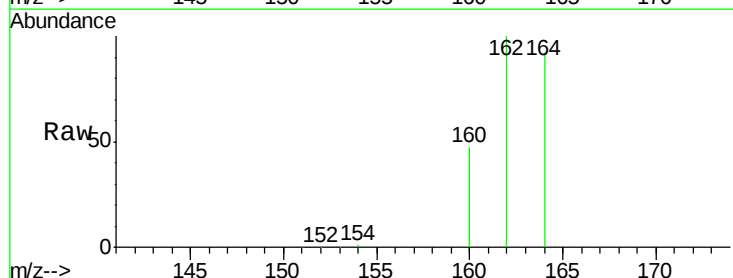
Manual Integrations
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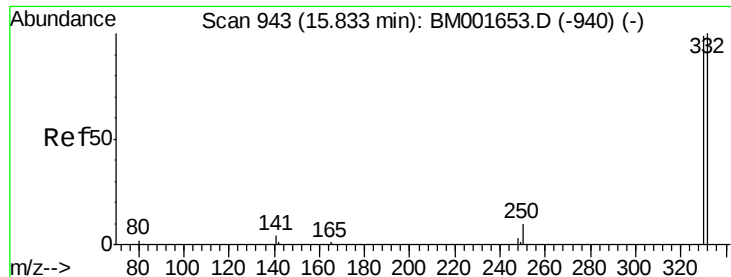
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

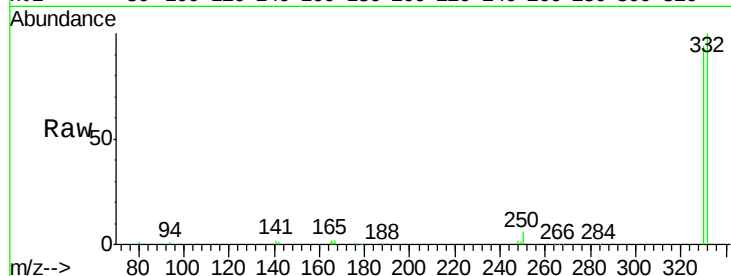
Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.1	89.0	133.4
160	50.3	42.6	63.8





#13
 2,4,6-Tribromophenol
 Concen: 16.20 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

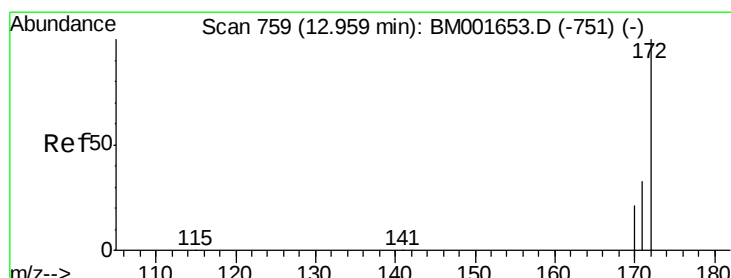
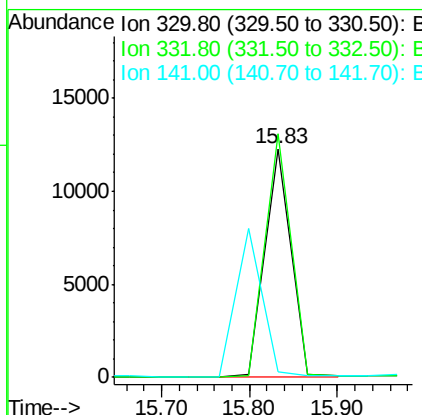
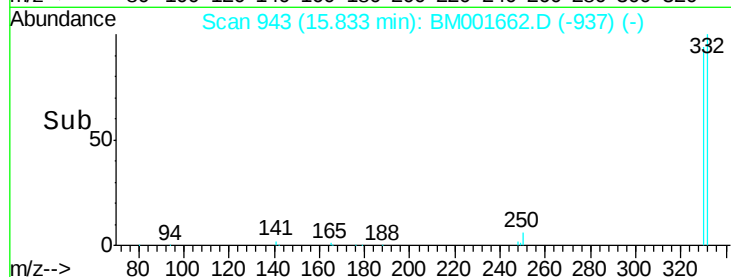
Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS



Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	106.2	25478	80.6	120.8
141	0.0		0.0	0.0

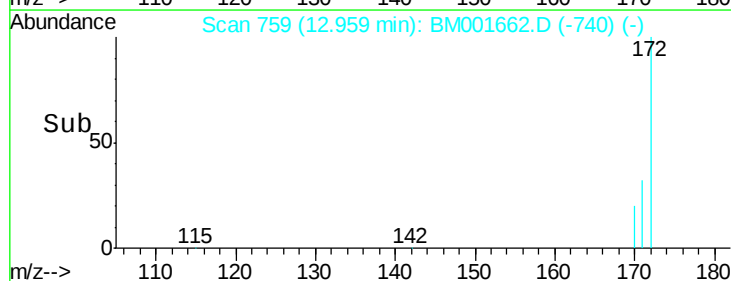
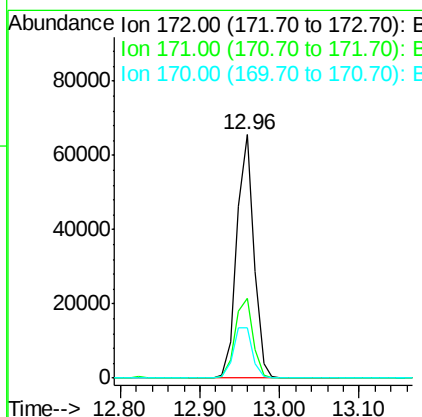
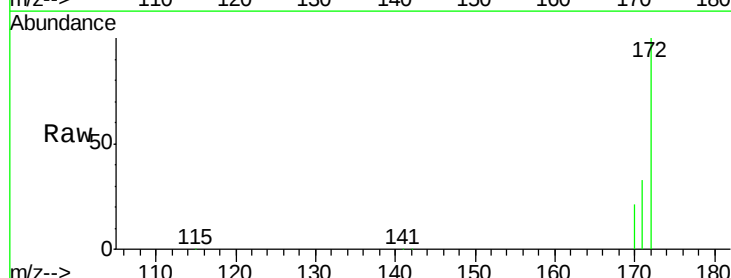
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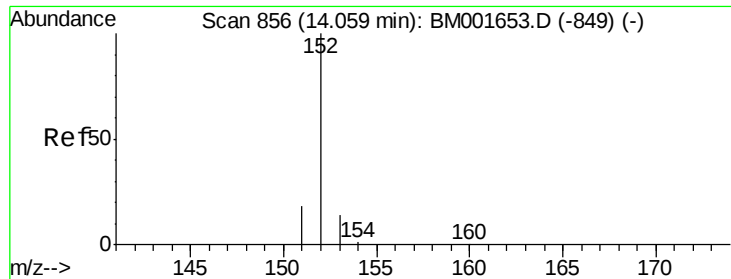
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#14
 2-Fluorobiphenyl
 Concen: 6.44 ng
 RT: 12.96 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	97174		
171	32.6		26.6	40.0
170	20.6		17.1	25.7





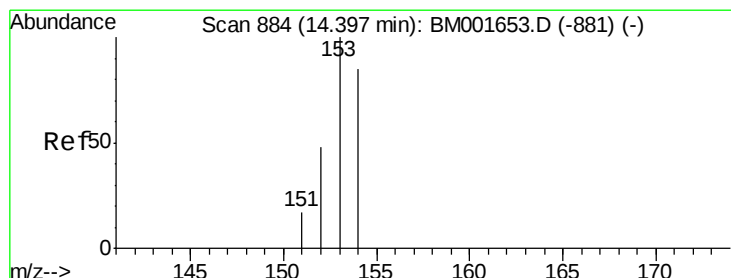
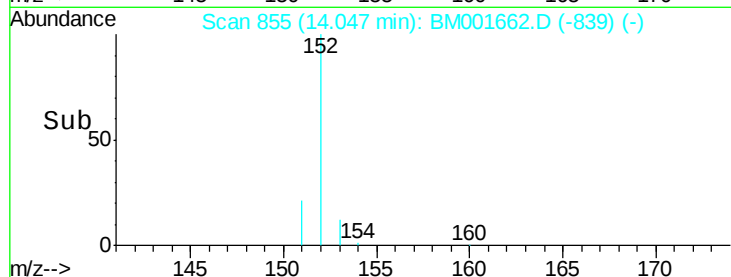
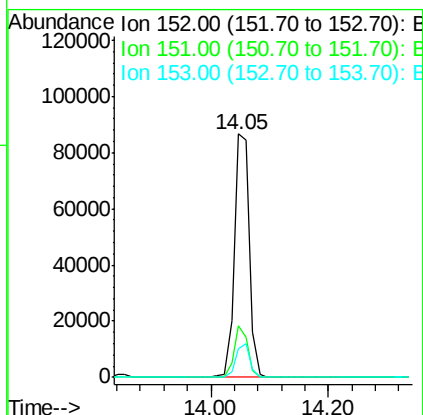
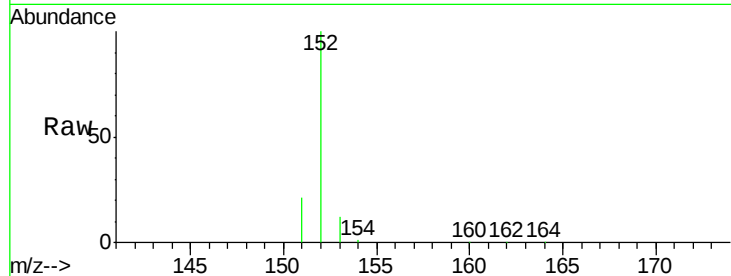
#15
Acenaphthylene
Concen: 7.59 ng
RT: 14.05 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Instrument :
BNA_M
ClientSampleId :
PB83950BS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	12.9	10.2	15.4

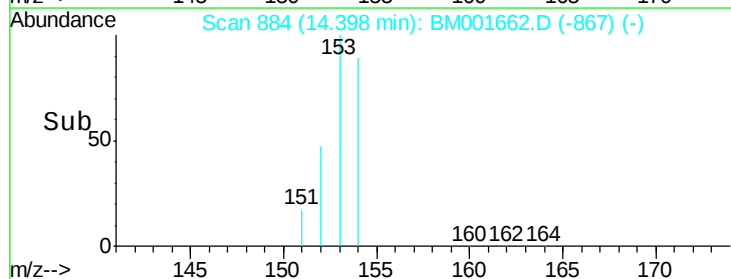
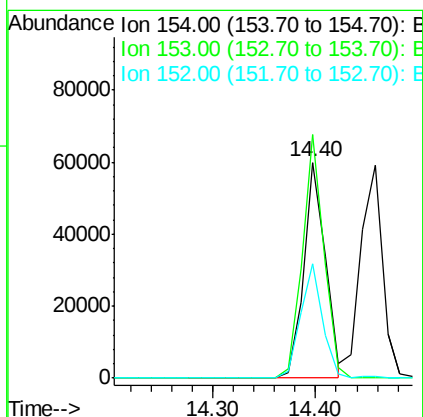
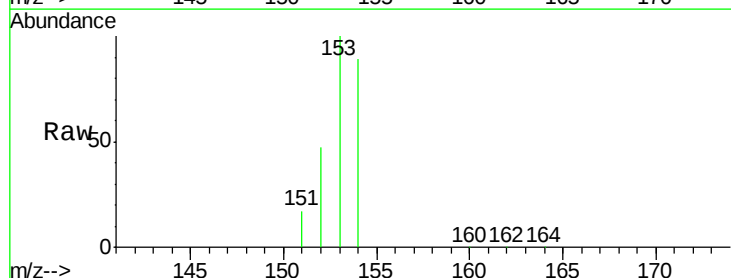
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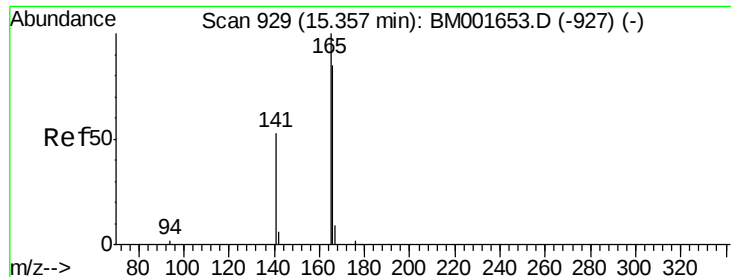
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#16
Acenaphthene
Concen: 6.81 ng
RT: 14.40 min Scan# 884
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	91.0	136.6
152	54.2	43.8	65.8





#17

Fluorene

Concen: 7.63 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001662.D

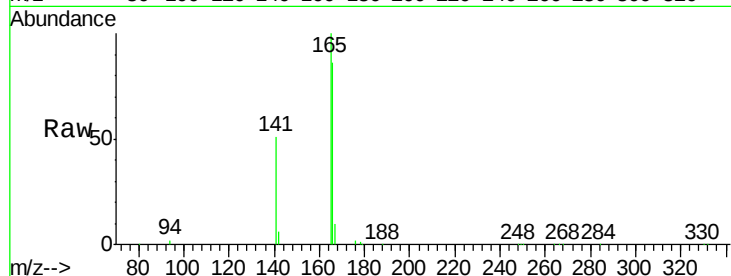
Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

ClientSampleId :

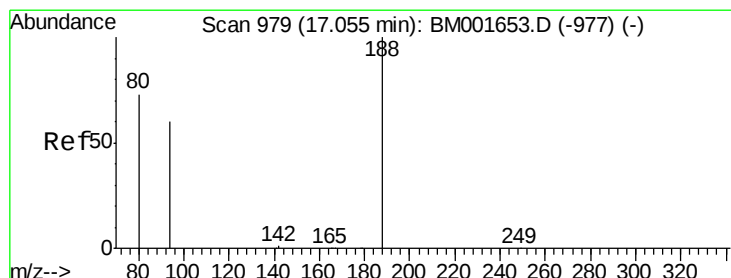
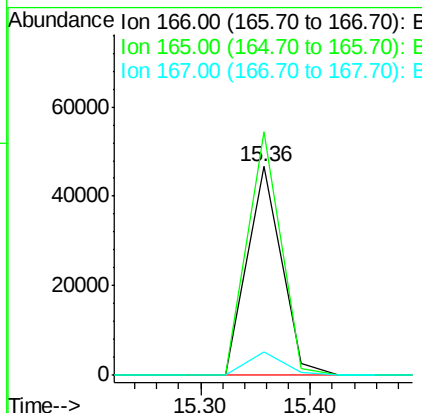
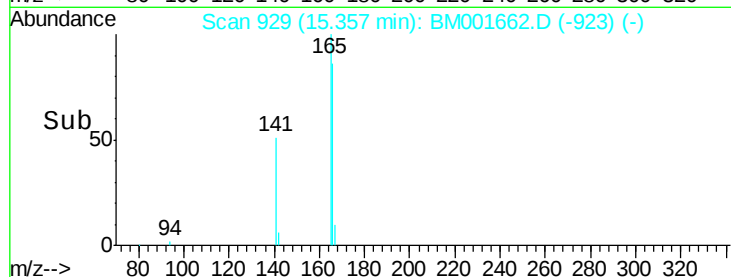
PB83950BS



Tgt Ion:	166	Resp:	100115
Ion Ratio	Lower	Upper	
166	100		
165	114.0	90.7	136.1
167	11.7	9.4	14.0

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#18

Phenanthrene-d10

Concen: 5.00 ng

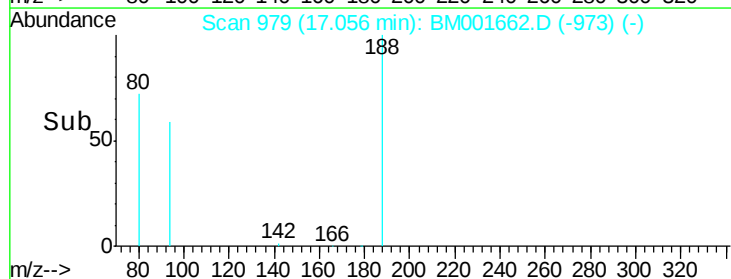
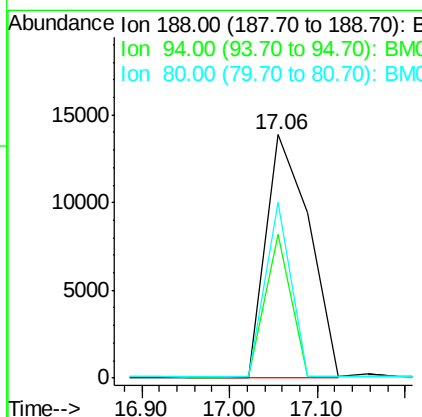
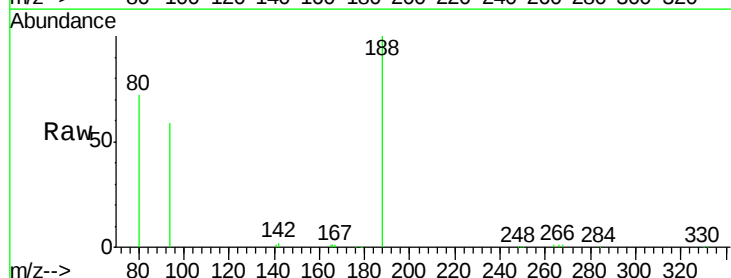
RT: 17.06 min Scan# 979

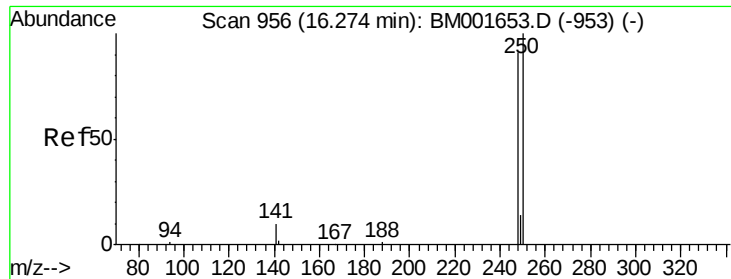
Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Tgt Ion:	188	Resp:	47459
Ion Ratio	Lower	Upper	
188	100		
94	59.1	48.3	72.5
80	72.1	58.6	88.0





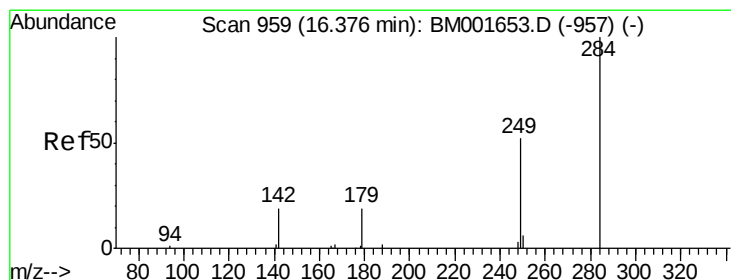
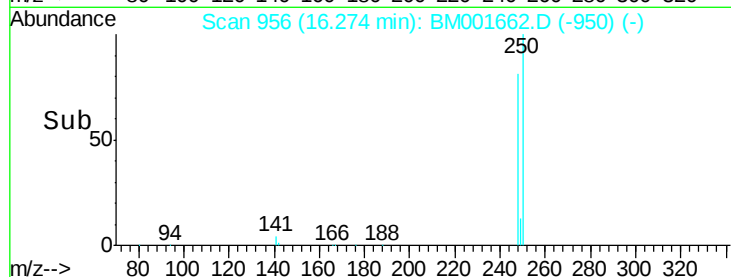
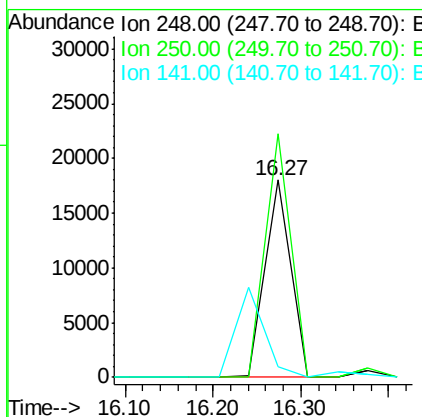
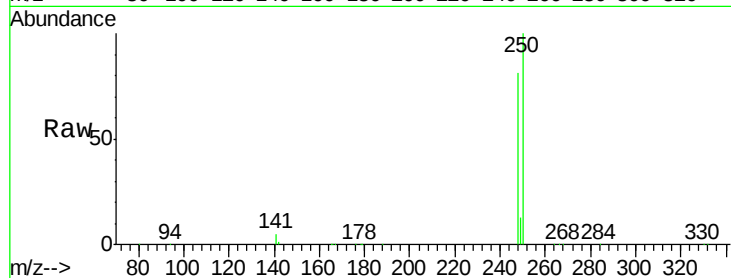
#19
4-Bromophenyl-phenylether
Concen: 7.78 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Instrument :
BNA_M
ClientSampleId :
PB83950BS

Manual Integrations
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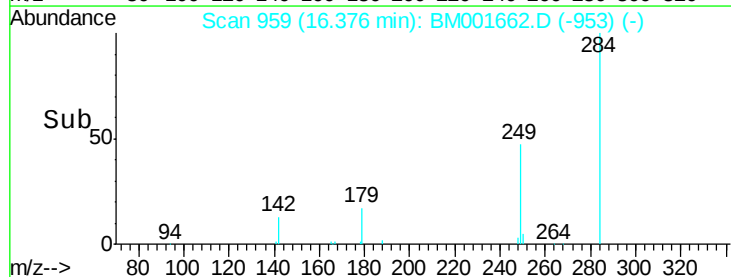
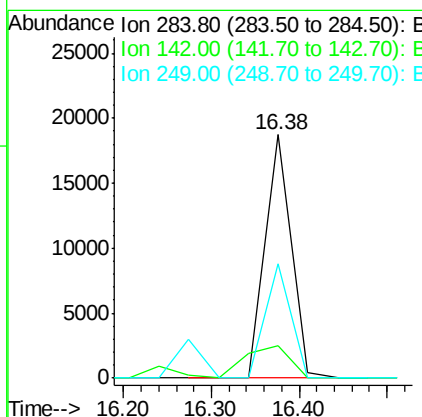
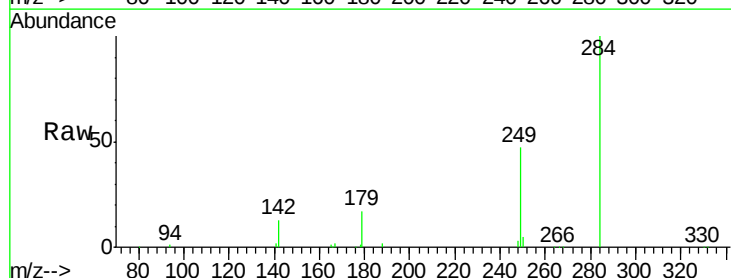
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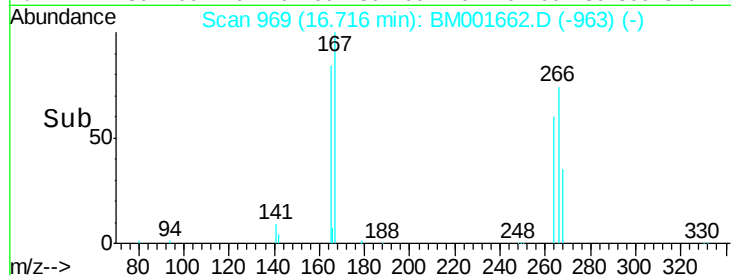
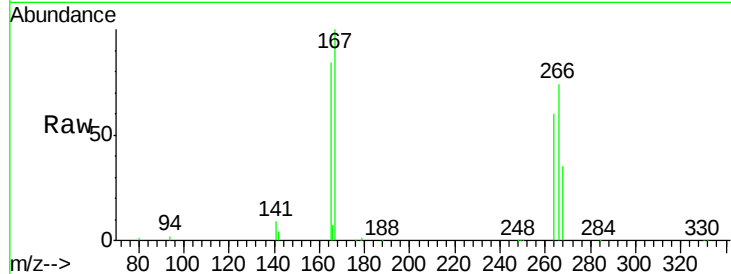
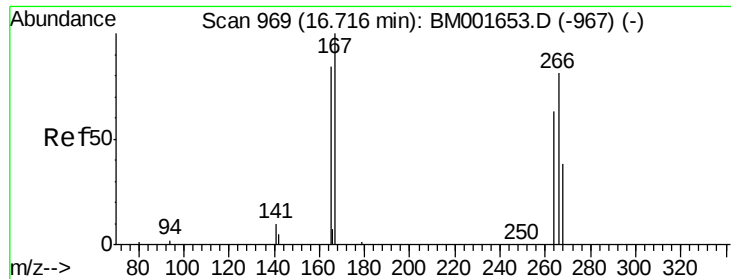
Tgt Ion	Ratio	Lower	Upper
248	100		
250	122.6	87.5	131.3
141	0.0	0.0	0.0



#20
Hexachlorobenzene
Concen: 8.99 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Lower	Upper
284	100		
142	22.8	21.5	32.3
249	61.3	53.8	80.6





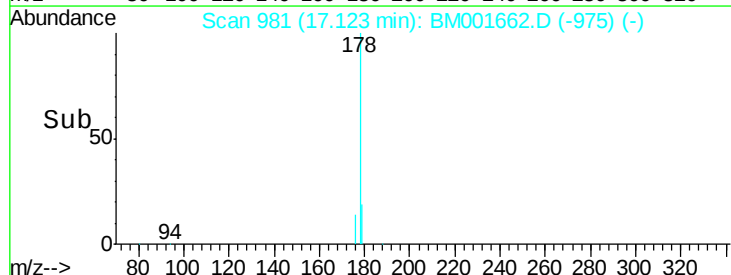
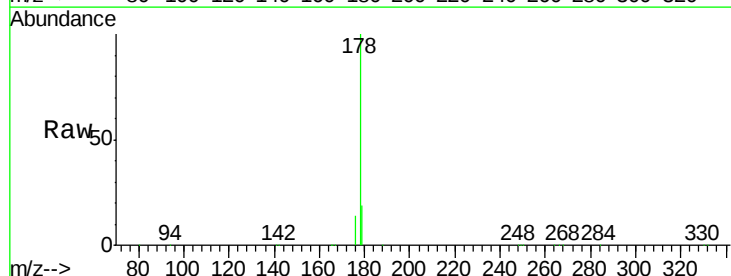
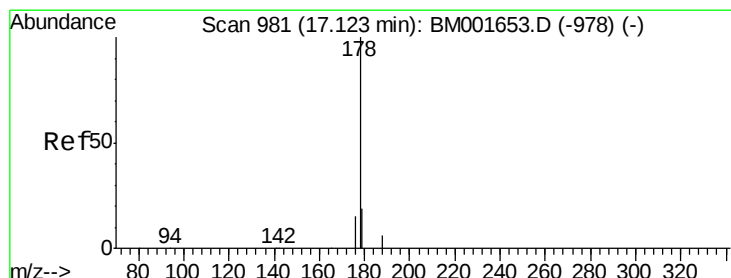
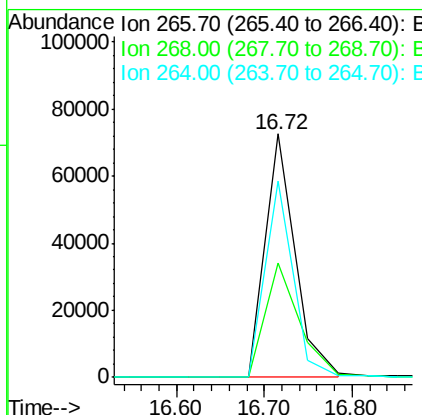
#21
 Pentachlorophenol
 Concen: 98.72 ng
 RT: 16.72 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	173361		
268	46.9	43.3	64.9	
264	80.8	64.5	96.7	

Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS

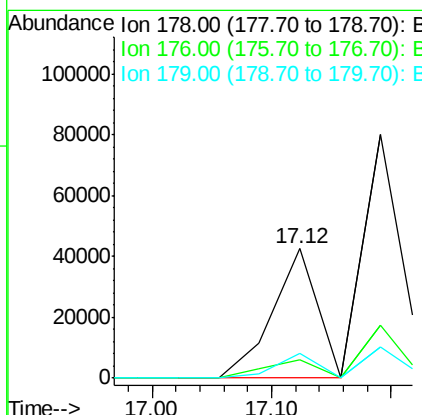
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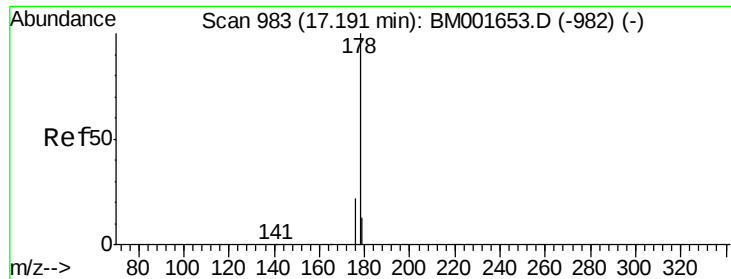
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#22
 Phenanthrene
 Concen: 7.09 ng m
 RT: 17.12 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

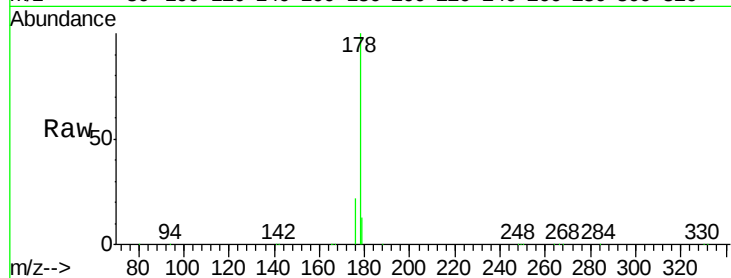
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	110339		
176	0.0	0.0	0.0	
179	0.0	14.2	21.2	





#23
 Anthracene
 Concen: 9.44 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

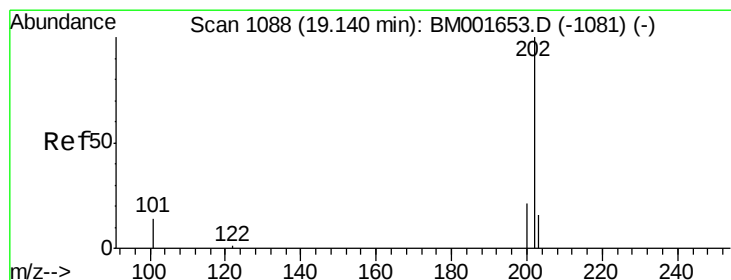
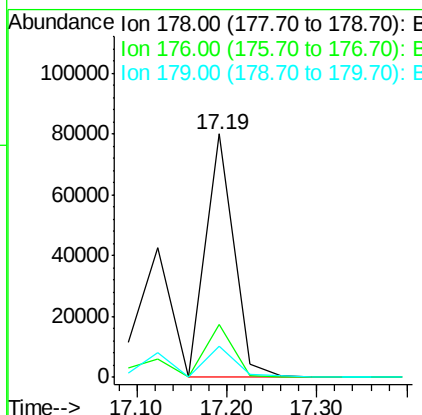
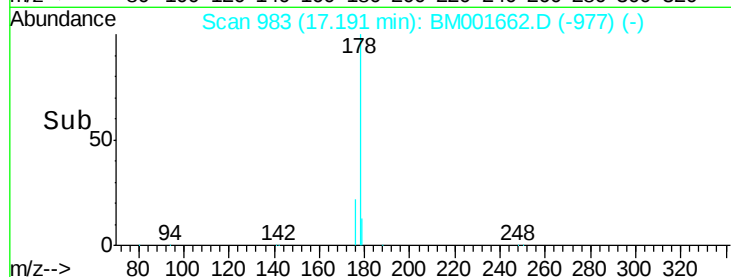
Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS



Tgt Ion:178 Resp: 173715
 Ion Ratio Lower Upper
 178 100
 176 32.1 0.0 0.0#
 179 0.0 21.4 32.0#

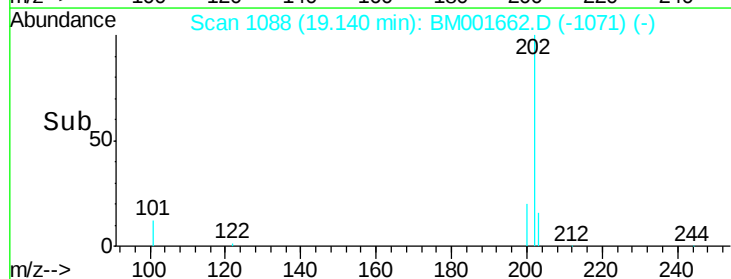
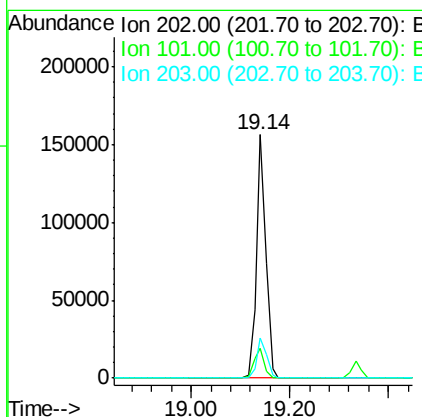
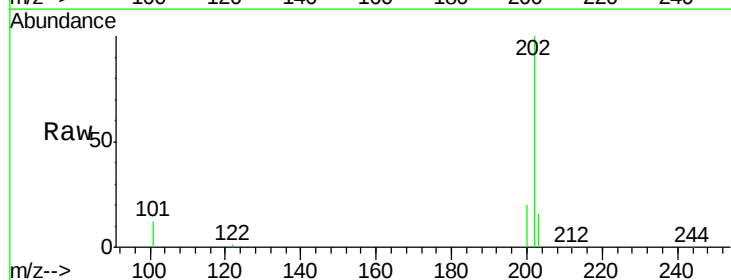
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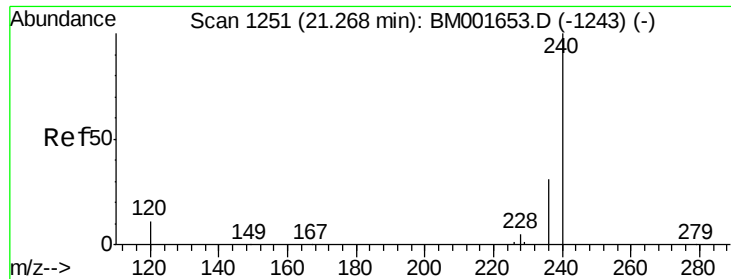
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#24
 Fluoranthene
 Concen: 8.92 ng
 RT: 19.14 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Tgt Ion:202 Resp: 205566
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.8 16.2
 203 17.3 13.8 20.8





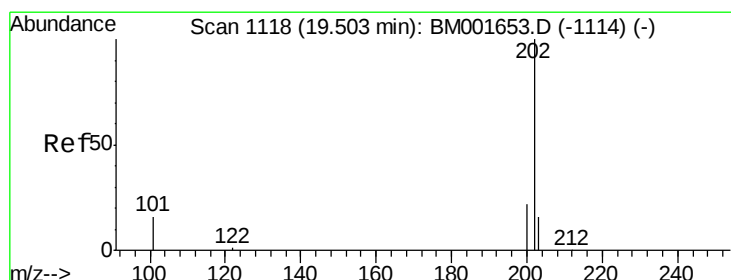
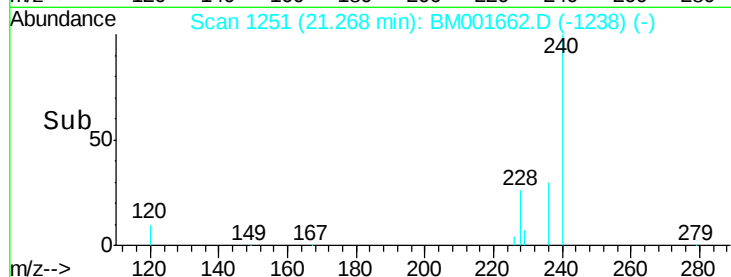
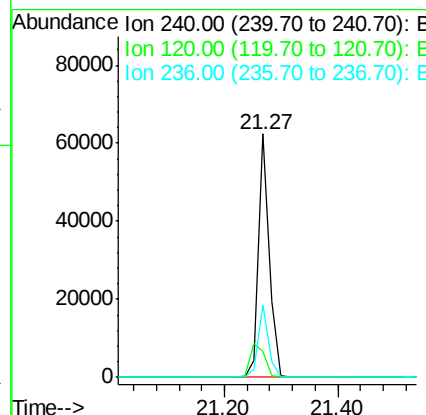
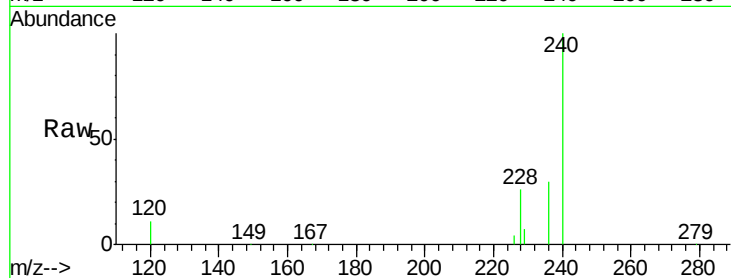
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Instrument :
BNA_M
ClientSampleId :
PB83950BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	29.8	24.6	36.8

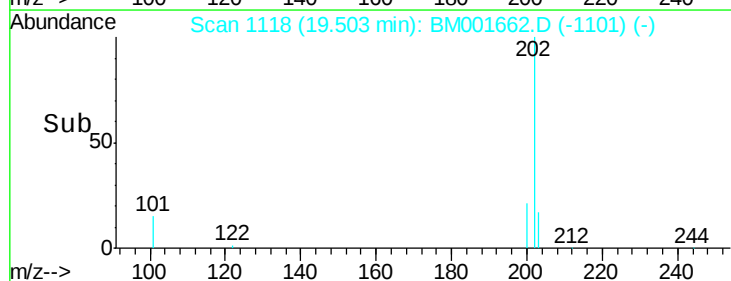
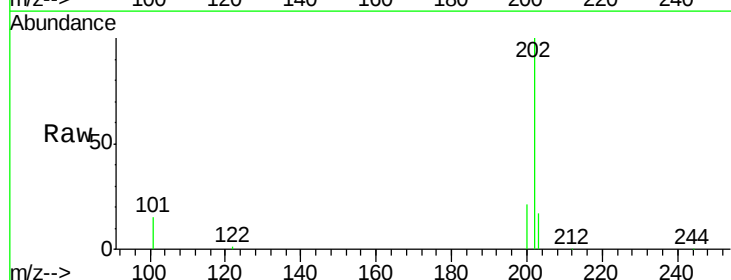
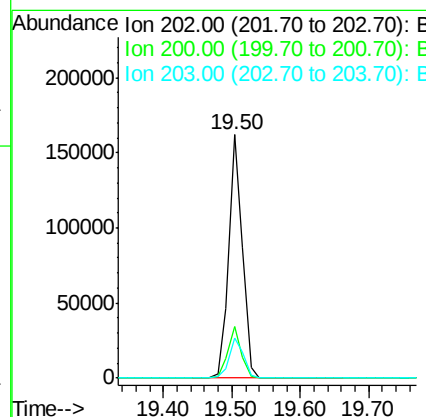
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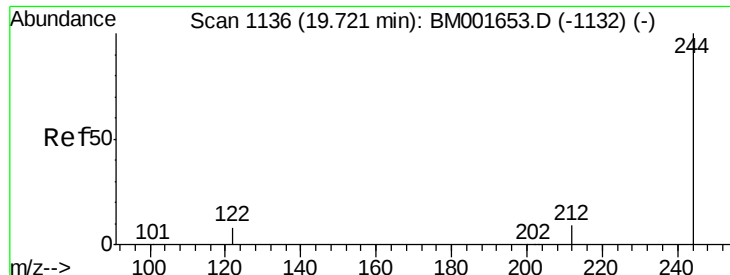
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#26
Pyrene
Concen: 8.01 ng
RT: 19.50 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.8	13.8	20.8





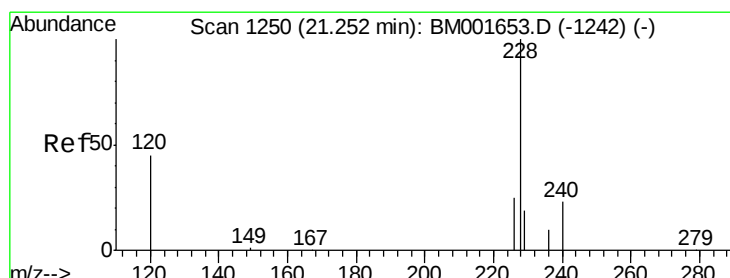
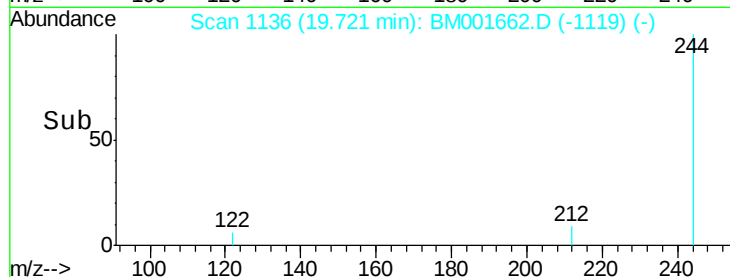
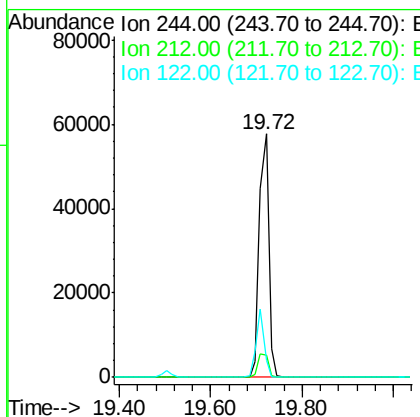
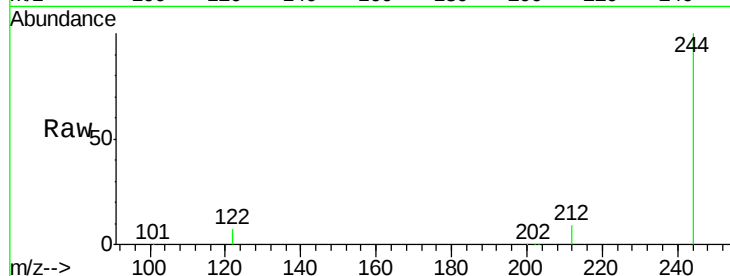
#27
 Terphenyl-d14
 Concen: 6.75 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.1	7.7	11.5
122	7.0	6.9	10.3

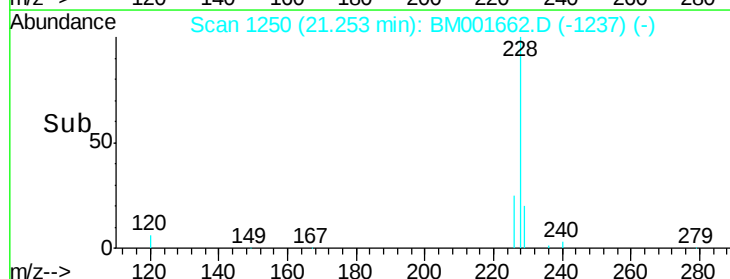
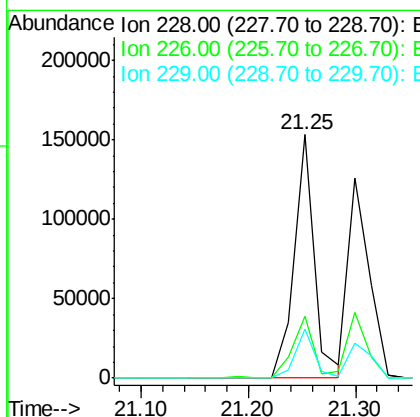
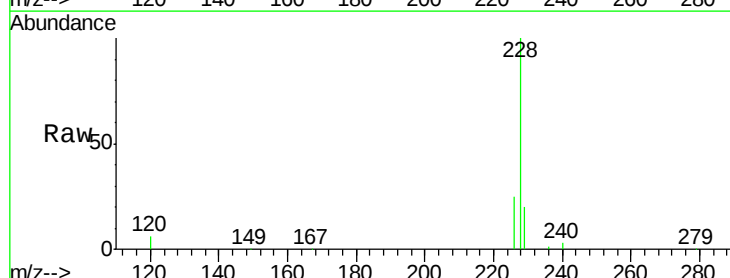
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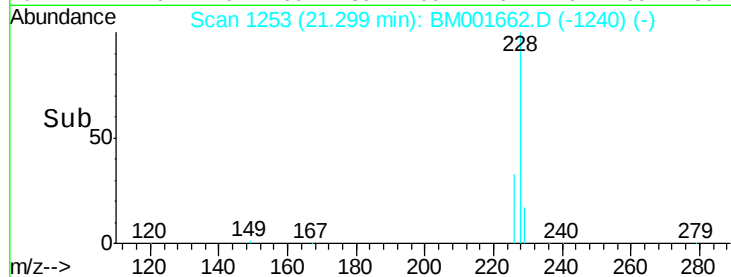
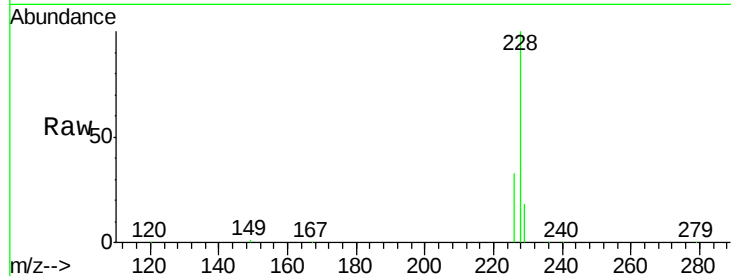
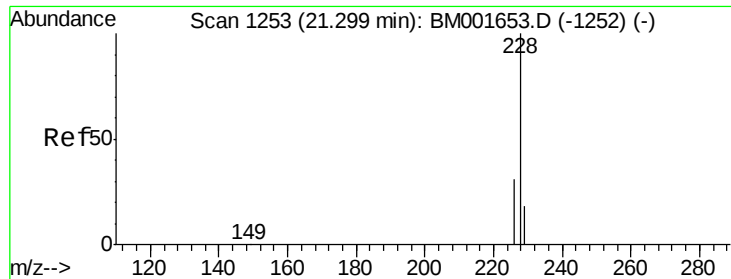
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#28
 Benzo(a)anthracene
 Concen: 7.78 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	25.2	20.2	30.4
229	20.0	15.7	23.5





#29

Chrysene

Concen: 7.12 ng

RT: 21.30 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

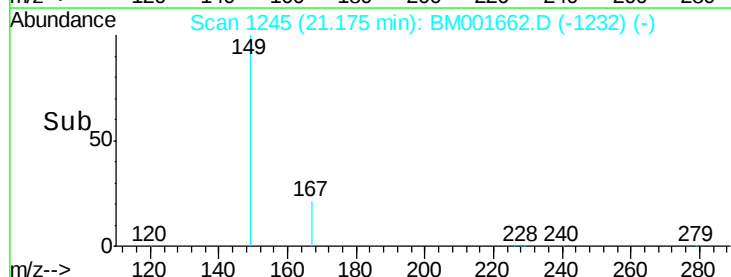
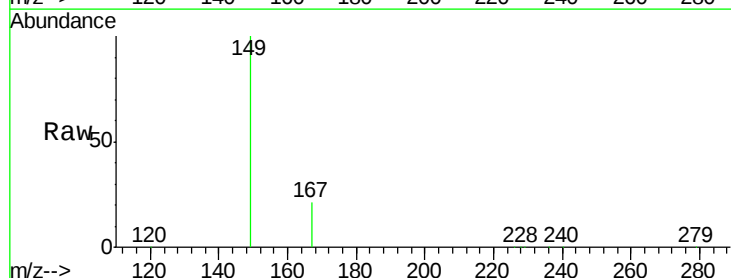
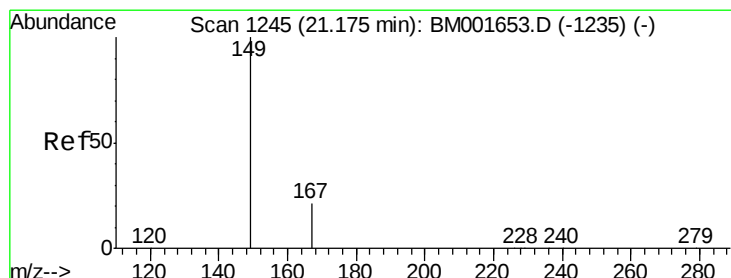
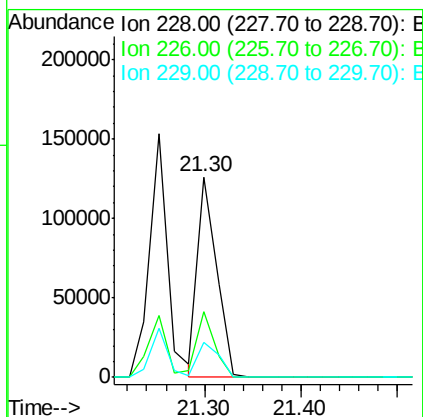
ClientSampleId :

PB83950BS

Manual Integrations
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Tgt Ion:	228	Resp:	173234
Ion Ratio	Lower	Upper	
228	100		
226	32.8	25.8	38.8
229	17.5	14.1	21.1



#30

Bis(2-ethylhexyl)phthalate

Concen: 8.22 ng

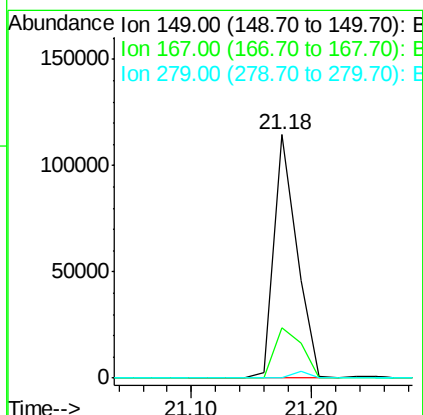
RT: 21.18 min Scan# 1245

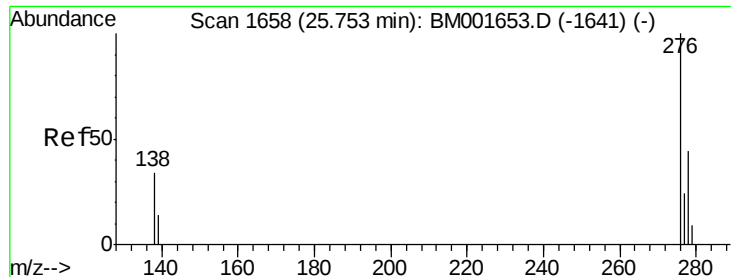
Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

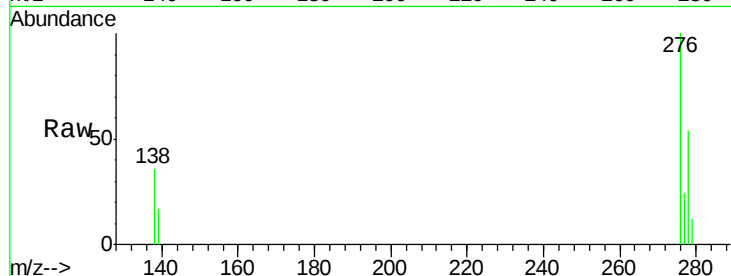
Tgt Ion:	149	Resp:	151659
Ion Ratio	Lower	Upper	
149	100		
167	24.8	20.2	30.2
279	2.2	1.7	2.5





#31
 Indeno(1,2,3-cd)pyrene
 Concen: 7.39 ng
 RT: 25.75 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

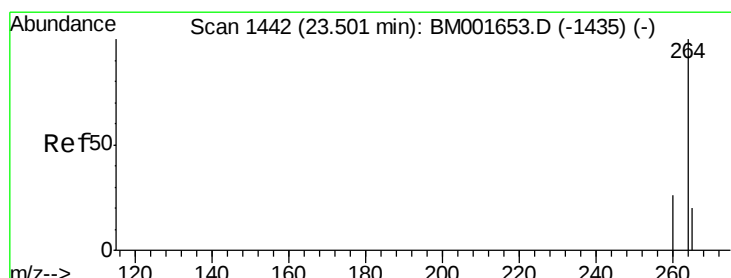
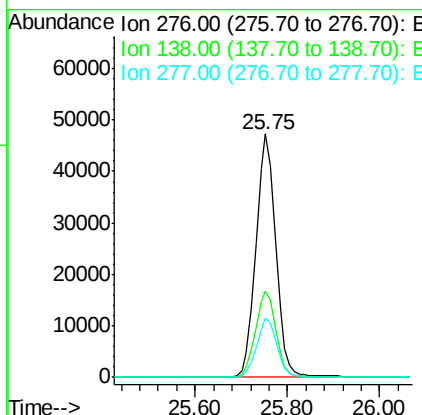
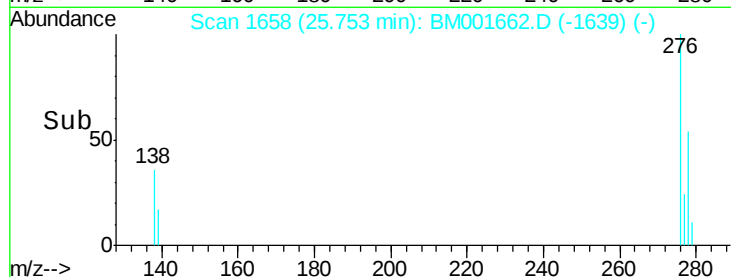
Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	141193		
138	36.6	28.8	43.2	
277	24.6	19.6	29.4	

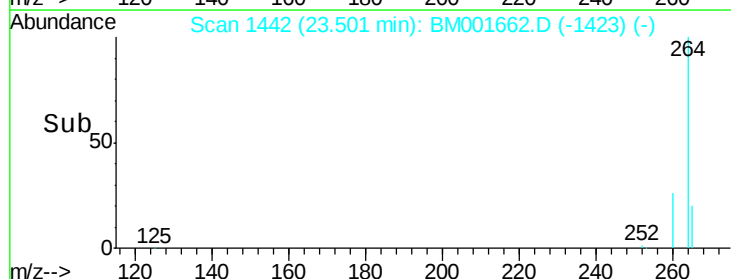
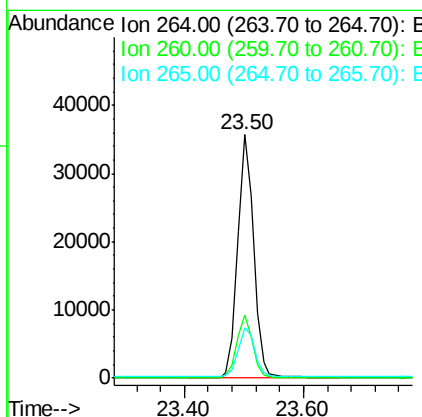
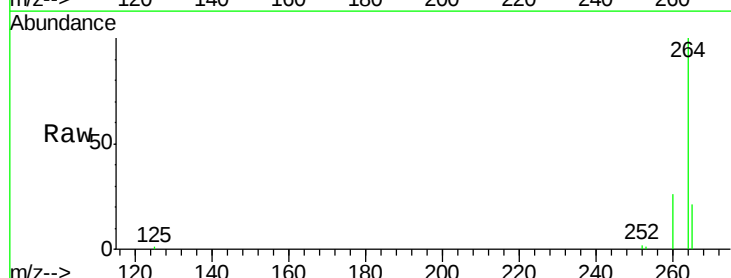
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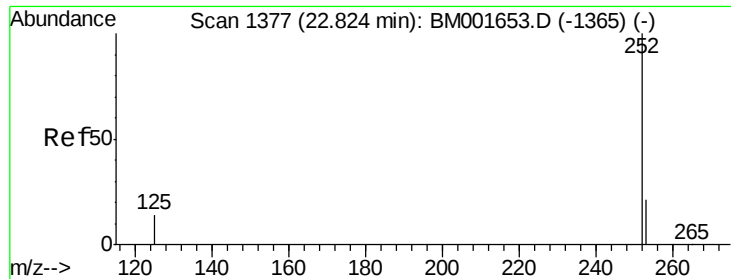
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.50 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

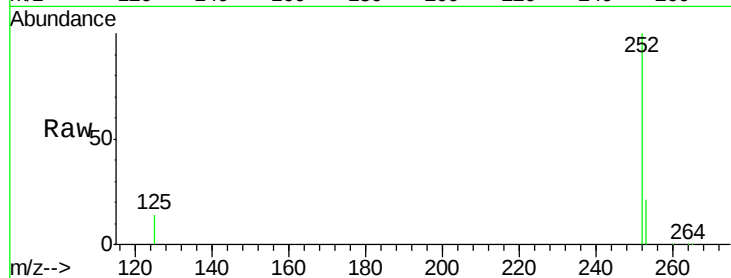
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	64958		
260	26.0	20.8	31.2	
265	20.9	16.9	25.3	





#33
Benzo(b)fluoranthene
Concen: 7.78 ng
RT: 22.82 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27

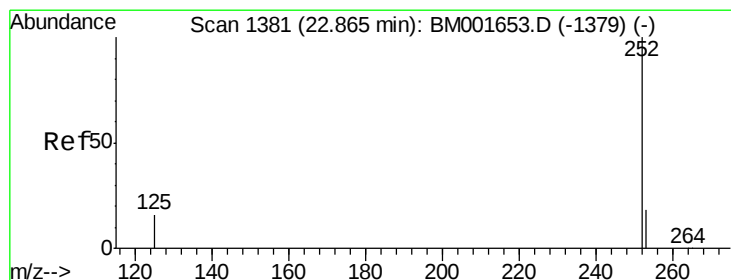
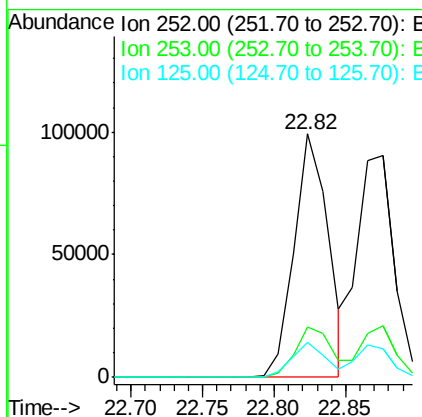
Instrument :
BNA_M
ClientSampleId :
PB83950BS



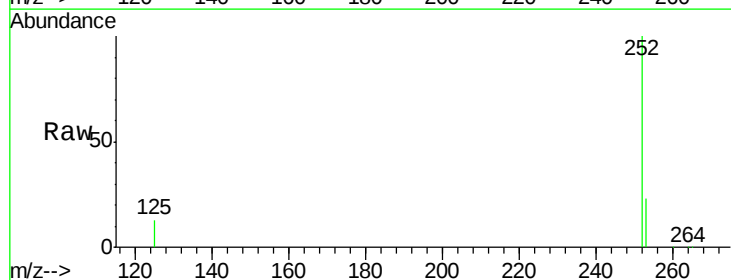
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.2
125	14.5	12.0	18.0

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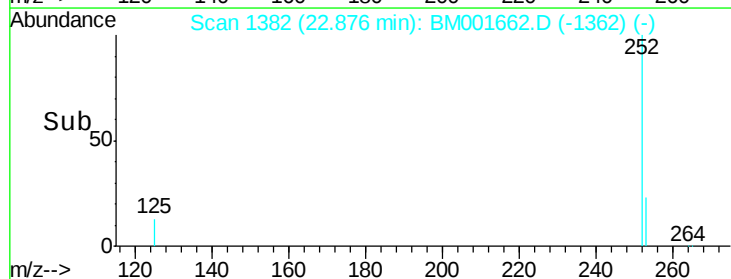
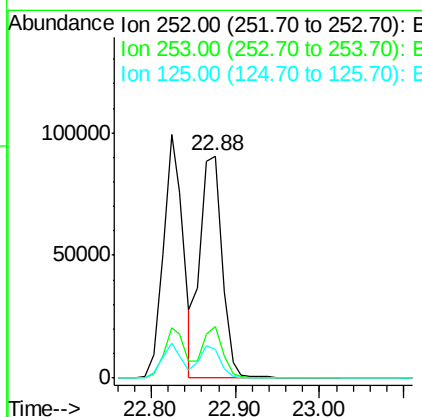
apatel
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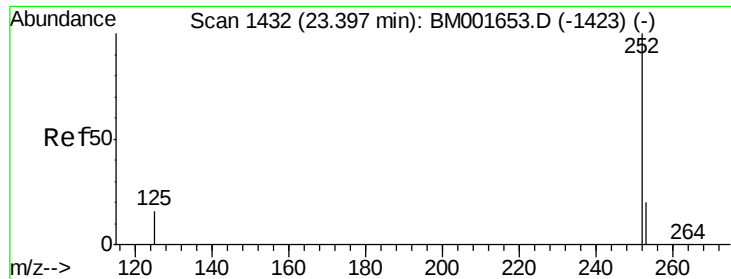


#34
Benzo(k)fluoranthene
Concen: 7.91 ng
RT: 22.88 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BM001662.D
Acq: 12 Jun 2015 05:27



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.9	12.5	18.7





#35

Benzo(a)pyrene

Concen: 8.39 ng

RT: 23.40 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BM001662.D

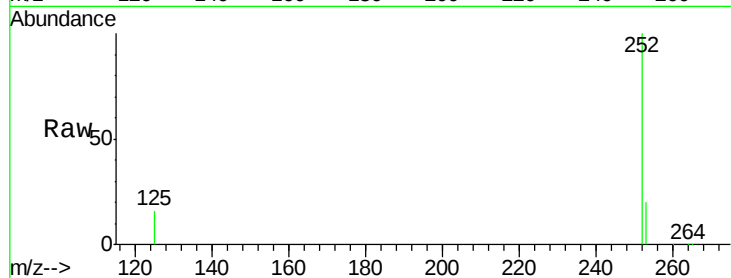
Acq: 12 Jun 2015 05:27

Instrument :

BNA_M

ClientSampleId :

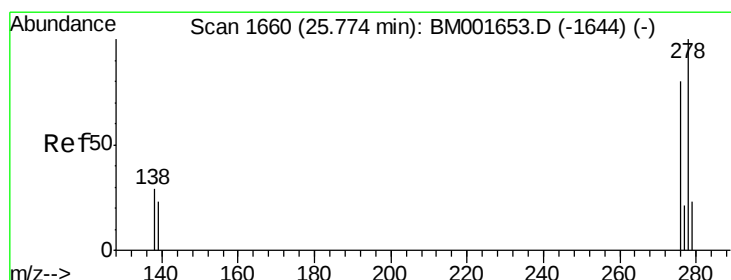
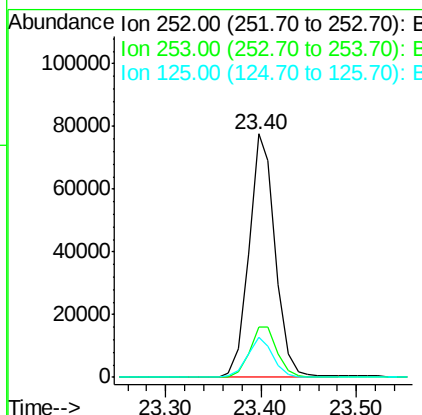
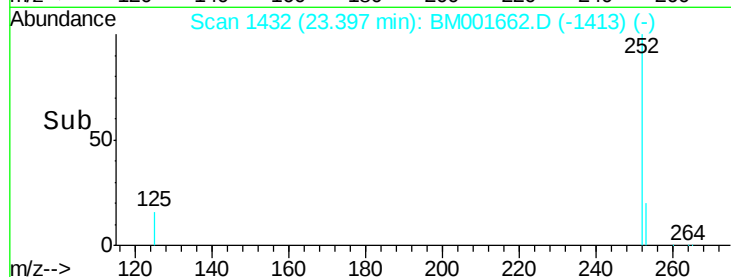
PB83950BS



Tgt Ion:	252	Resp:	148047
Ion Ratio	Lower	Upper	
252	100		
253	20.5	17.4	26.0
125	16.2	14.0	21.0

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#36

Dibenzo(a,h)anthracene

Concen: 7.58 ng

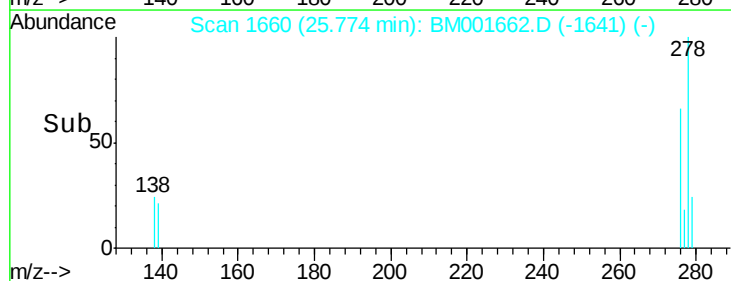
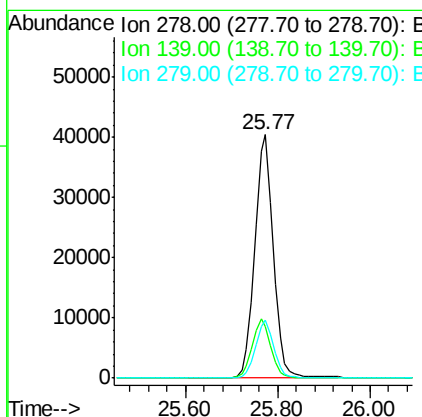
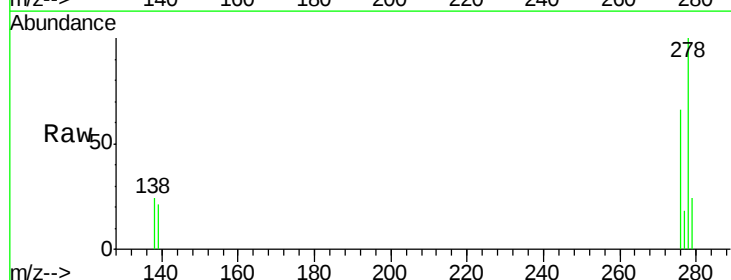
RT: 25.77 min Scan# 1660

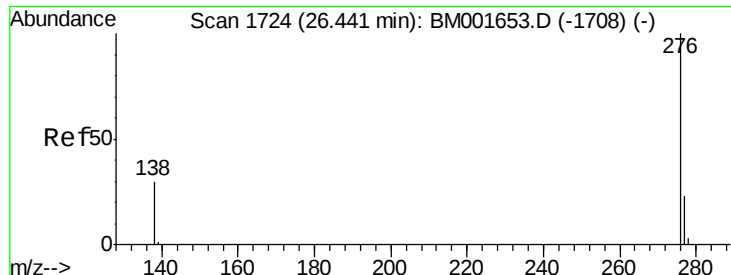
Delta R.T. 0.00 min

Lab File: BM001662.D

Acq: 12 Jun 2015 05:27

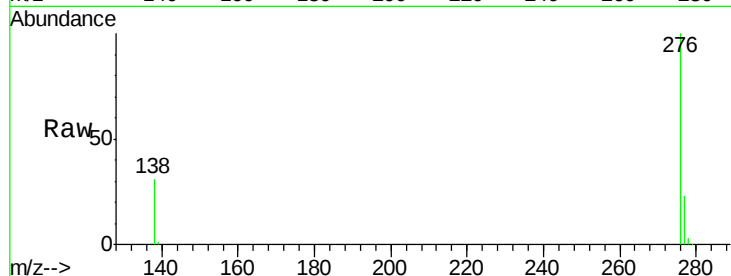
Tgt Ion:	278	Resp:	112455
Ion Ratio	Lower	Upper	
278	100		
139	21.4	19.1	28.7
279	23.9	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 7.67 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BM001662.D
 Acq: 12 Jun 2015 05:27

Instrument :
 BNA_M
 ClientSampleId :
 PB83950BS



Tgt	Ion	276	Resp	115912
Ion	Ratio	Lower	Upper	
276	100			
277	23.3	19.3	28.9	
138	31.4	25.0	37.4	

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