

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001668.D
 Acq On : 12 Jun 2015 09:03
 Operator : TP/IZ
 Sample : PB83924BSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83924BSD

Manual Integrations
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 6/15/2015 12:42:14 PM

Quant Time: Jun 12 17:53:35 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	22710	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	89226	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	45928	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	51775	5.00	ng	0.00
25) Chrysene-d12	21.27	240	81237	5.00	ng	0.00
32) Perylene-d12	23.50	264	64215	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	43976	8.18	ng	0.00
5) Phenol-d6	6.84	99	65744	9.73	ng	0.00
7) Nitrobenzene-d5	8.85	82	45044	6.60	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	26543	15.87	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	100585	6.27	ng	0.00
27) Terphenyl-d14	19.72	244	81502	6.65	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	11682	5.02	ng	98
3) n-Nitrosodimethylamine	3.51	42	22495	5.68	ng	# 94
8) Nitrobenzene	8.89	77	50153	6.78	ng	97
9) Naphthalene	10.52	128	125388	5.80	ng	99
10) Hexachlorobutadiene	10.80	225	20034	5.58	ng	99
11) 2-Methylnaphthalene	12.14	142	90069	6.46	ng	# 86
15) Acenaphthylene	14.05	152	158795	7.40	ng	99
16) Acenaphthene	14.40	154	90589	6.63	ng	100
17) Fluorene	15.36	166	108186	7.75	ng	100
19) 4-Bromophenyl-phenylether	16.27	248	36129	6.95	ng	# 85
20) Hexachlorobenzene	16.38	284	40854	8.67	ng	89
21) Pentachlorophenol	16.72	266	185394	96.77	ng	96
22) Phenanthrene	17.12	178	104607m	6.16	ng	
23) Anthracene	17.19	178	187802m	9.36	ng	
24) Fluoranthene	19.14	202	203325	8.08	ng	100
26) Pyrene	19.50	202	216583	7.77	ng	99
28) Benzo(a)anthracene	21.25	228	191213	7.49	ng	99
29) Chrysene	21.30	228	165874	6.79	ng	100
30) Bis(2-ethylhexyl)phthalate	21.18	149	165688	8.92	ng	99
31) Indeno(1,2,3-cd)pyrene	25.75	276	134206	6.99	ng	100
33) Benzo(b)fluoranthene	22.82	252	153244	7.32	ng	98
34) Benzo(k)fluoranthene	22.87	252	148886	7.32	ng	98
35) Benzo(a)pyrene	23.40	252	136376	7.81	ng	97
36) Dibenzo(a,h)anthracene	25.77	278	109220	7.45	ng	97
37) Benzo(g,h,i)perylene	26.44	276	109692	7.35	ng	99

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

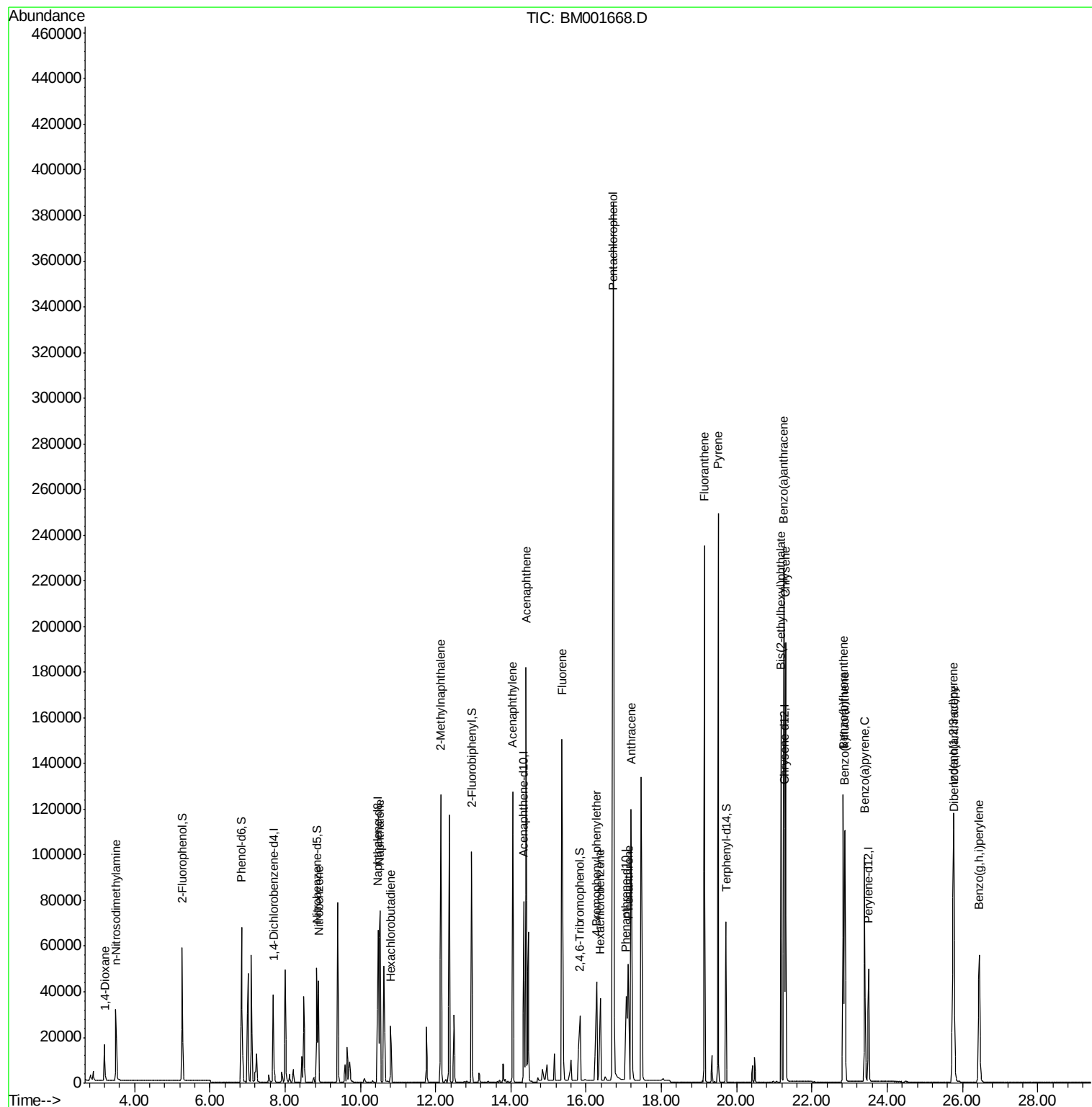
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
Data File : BM001668.D
Acq On : 12 Jun 2015 09:03
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Sample : PB83924BSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

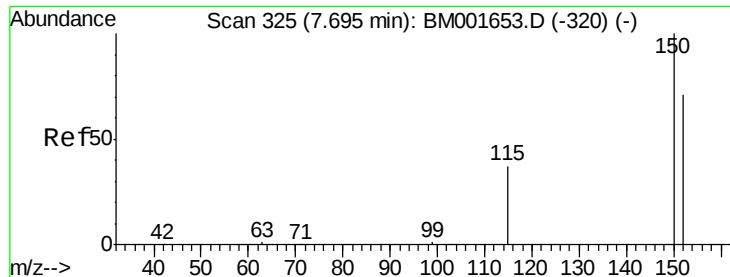
Instrument :
BNA_M
ClientSampleId :
PB83924BSD

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Quant Time: Jun 12 17:53:35 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
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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: BM001668.D

Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

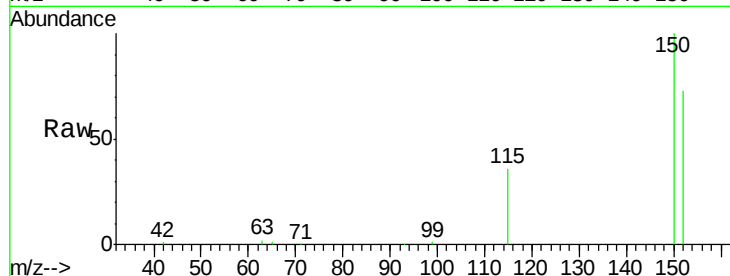
ClientSampleId :

PB83924BSD

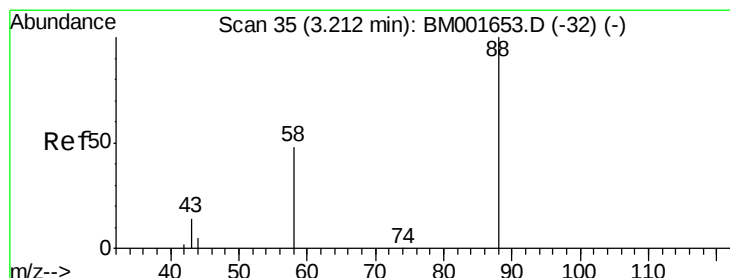
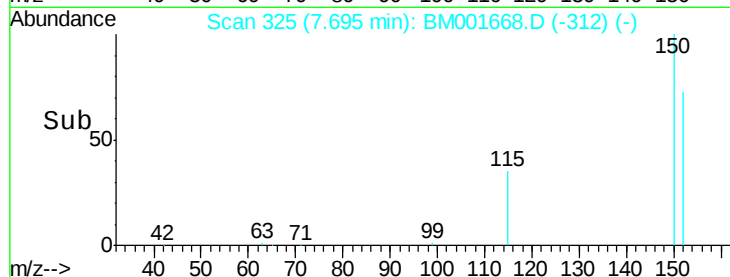
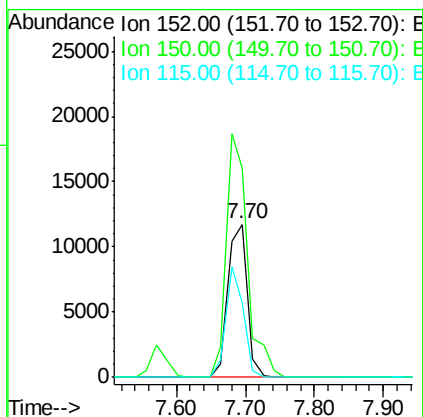
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Tgt Ion:	152	Resp:	22710
Ion	Ratio	Lower	Upper
152	100		
150	137.0	112.2	168.2
115	48.8	41.7	62.5



#2

1,4-Dioxane

Concen: 5.02 ng

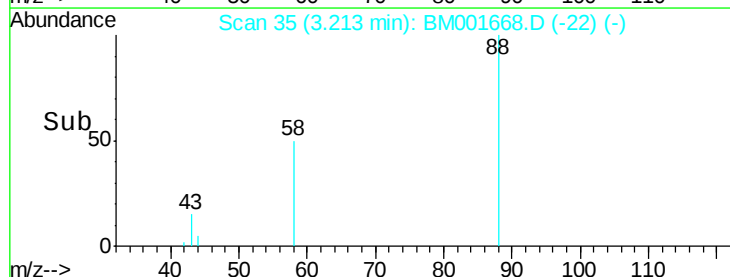
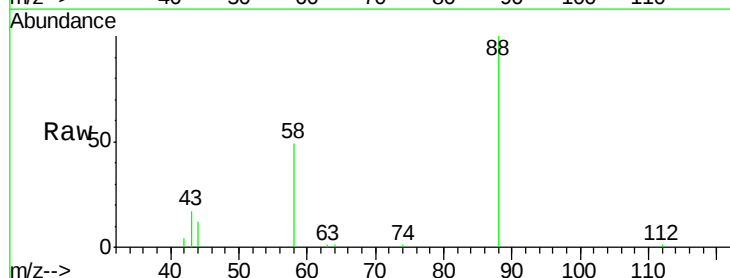
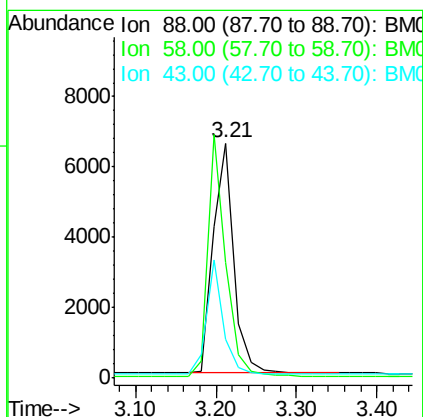
RT: 3.21 min Scan# 35

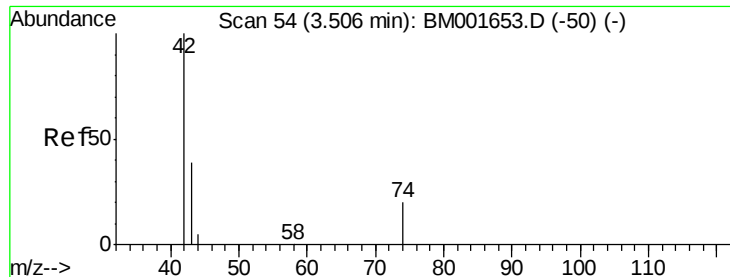
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	88	Resp:	11682
Ion	Ratio	Lower	Upper
88	100		
58	90.5	70.5	105.7
43	40.7	33.3	49.9





#3

n-Nitrosodimethylamine

Concen: 5.68 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

ClientSampleId :

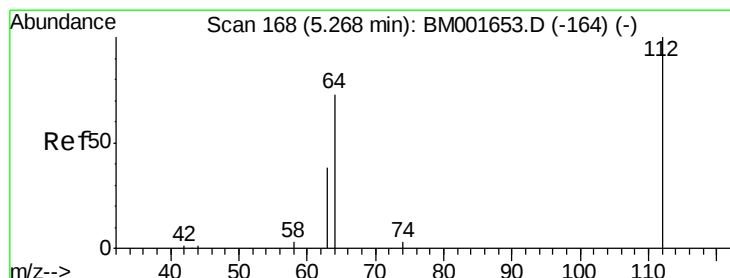
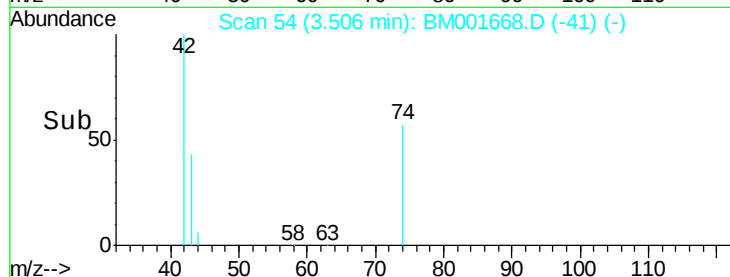
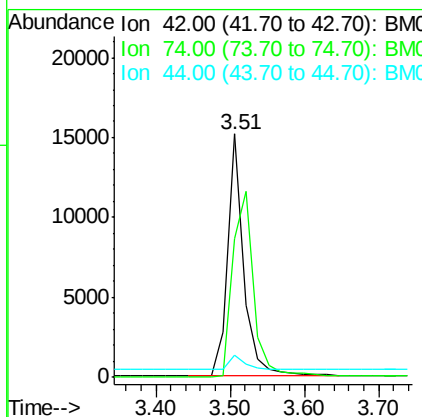
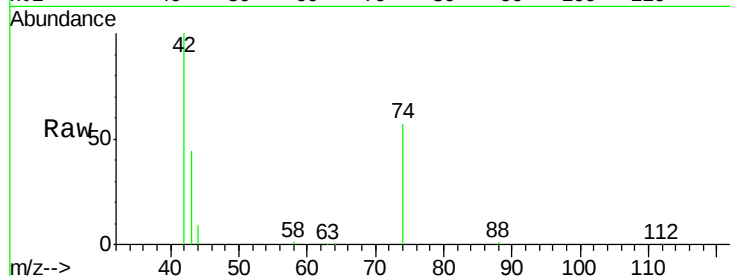
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Tgt Ion:	42	Resp:	22495
Ion Ratio	Lower	Upper	
42	100		
74	100.5	75.7	113.5
44	6.2	6.7	10.1#



#4

2-Fluorophenol

Concen: 8.18 ng

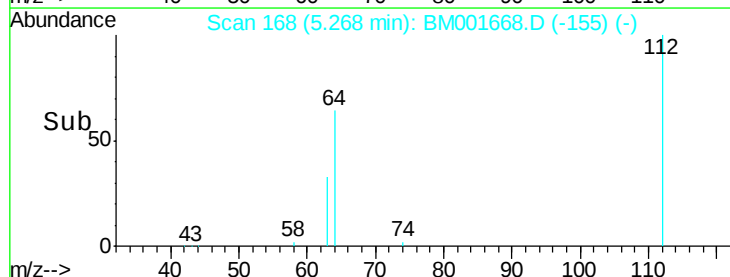
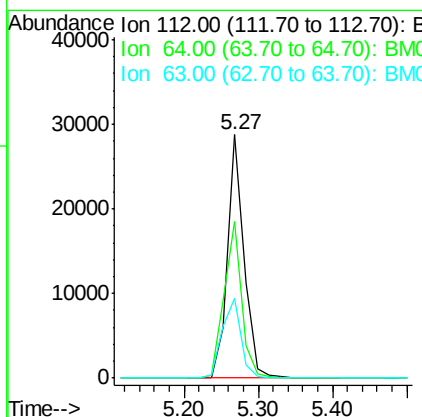
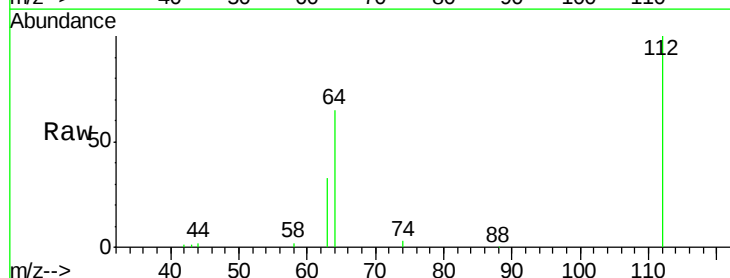
RT: 5.27 min Scan# 168

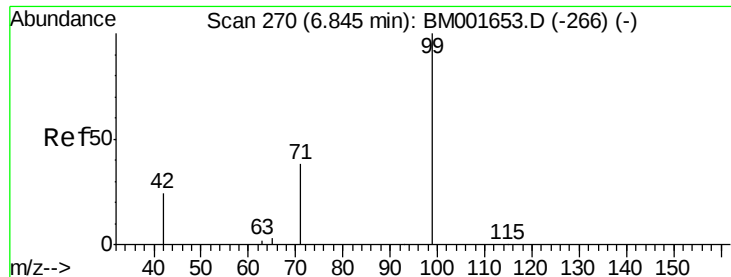
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	112	Resp:	43976
Ion Ratio	Lower	Upper	
112	100		
64	68.2	55.5	83.3
63	37.2	29.9	44.9





#5

Phenol-d6

Concen: 9.73 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

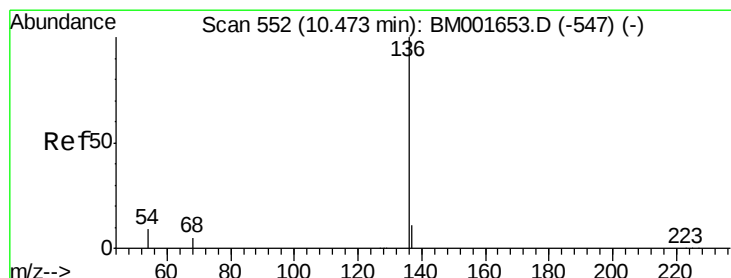
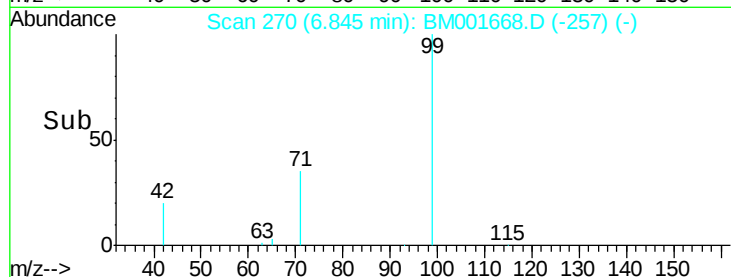
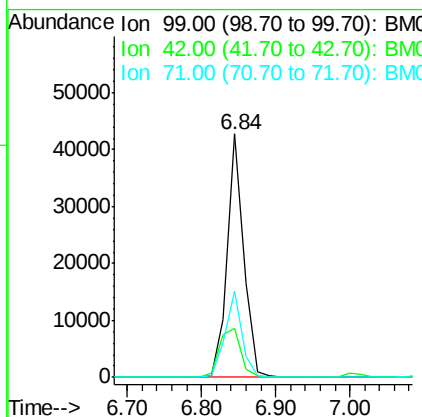
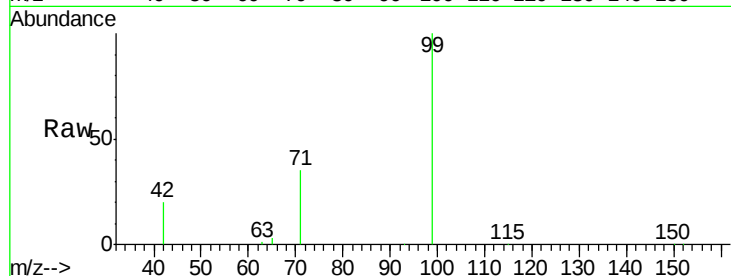
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Tgt Ion:	99	Resp:	65744
Ion Ratio	Lower	Upper	
99	100		
42	26.0	21.6	32.4
71	35.5	28.7	43.1

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#6

Naphthalene-d8

Concen: 5.00 ng

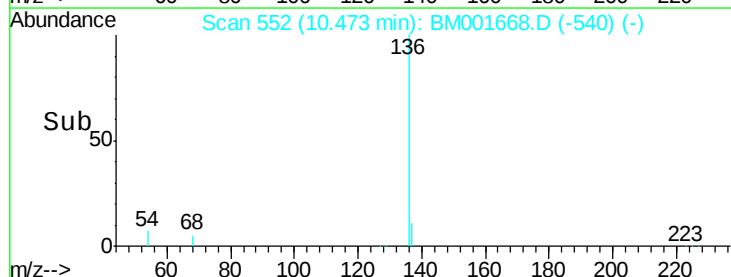
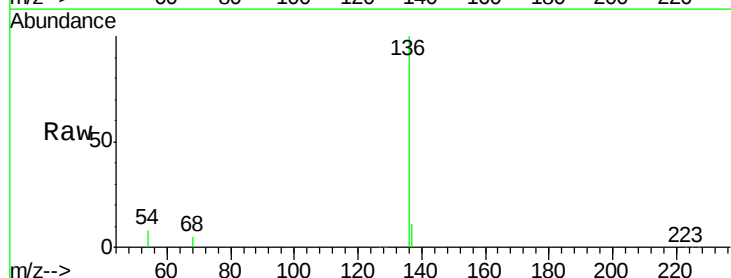
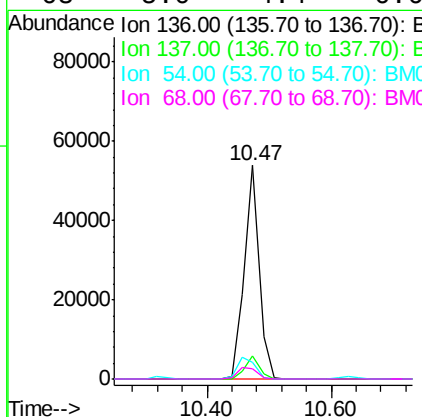
RT: 10.47 min Scan# 552

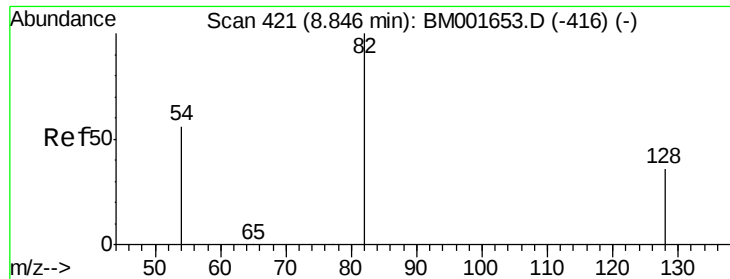
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	136	Resp:	89226
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	7.5	6.9	10.3
68	5.0	4.4	6.6





#7

Nitrobenzene-d5

Concen: 6.60 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

ClientSampleId :

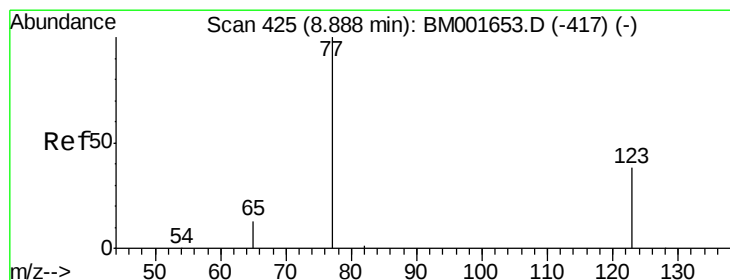
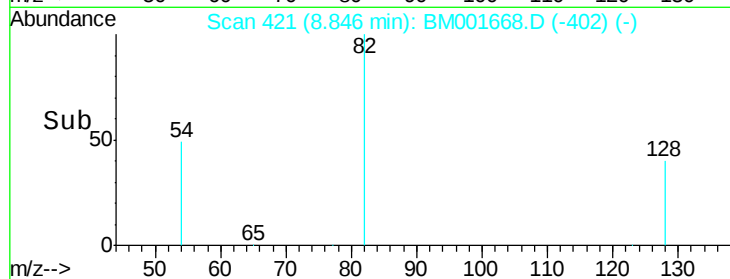
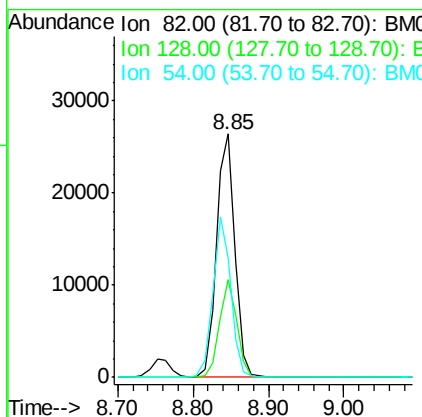
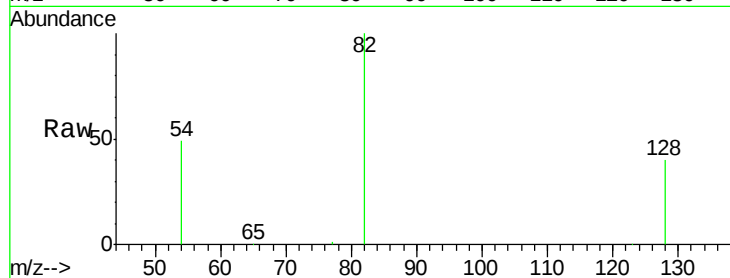
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Tgt Ion	82	Resp	45044
Ion Ratio	100	Lower	Upper
82	100		
128	40.0	29.7	44.5
54	49.2	45.1	67.7



#8

Nitrobenzene

Concen: 6.78 ng

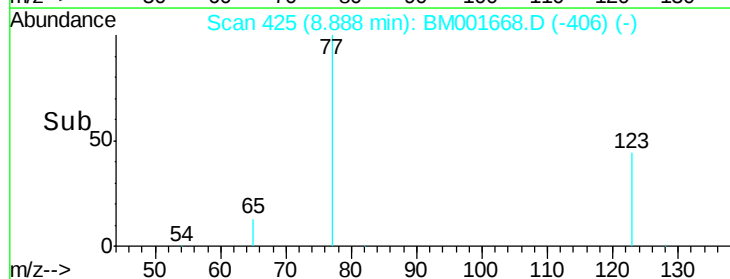
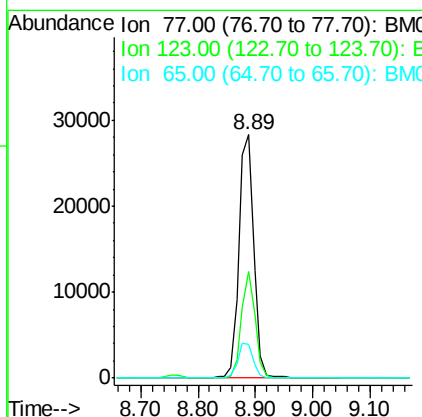
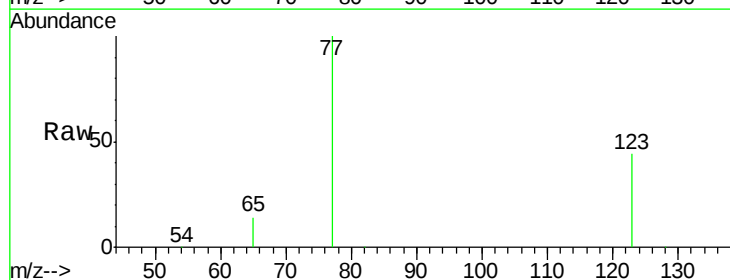
RT: 8.89 min Scan# 425

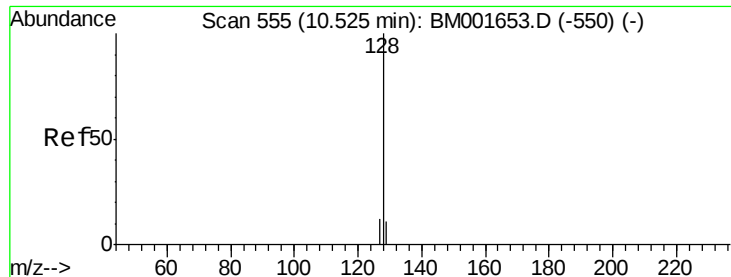
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion	77	Resp	50153
Ion Ratio	100	Lower	Upper
77	100		
123	40.1	30.3	45.5
65	14.6	11.2	16.8





#9

Naphthalene

Concen: 5.80 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001668.D

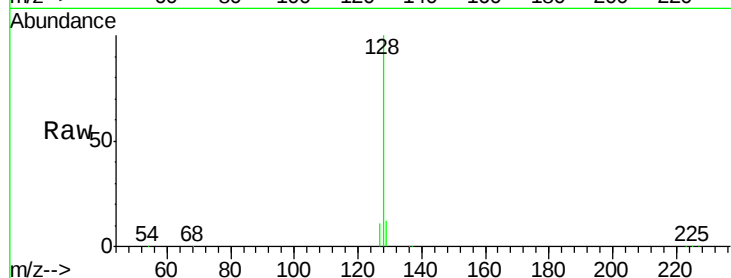
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Instrument :

BNA_M

ClientSampleId :

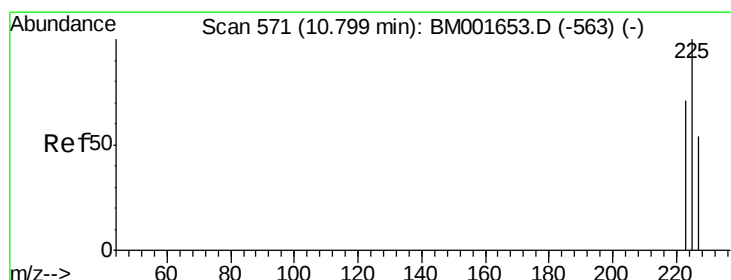
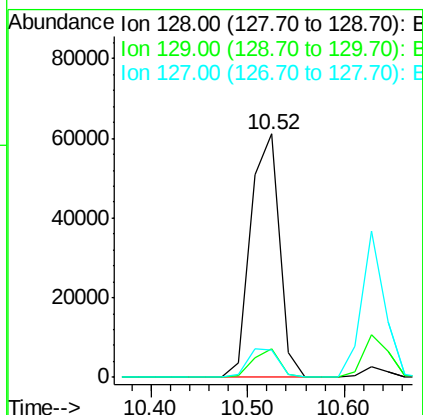
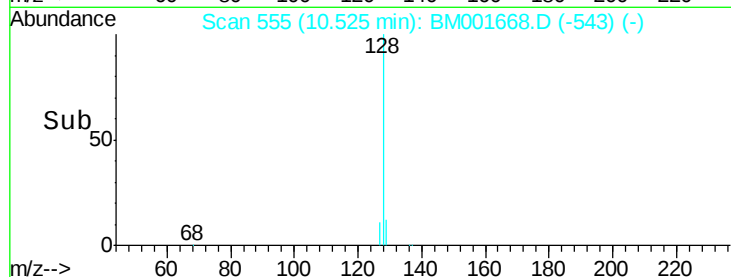
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	125388		
129	11.7	9.4	14.2	
127	11.3	9.7	14.5	

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#10

Hexachlorobutadiene

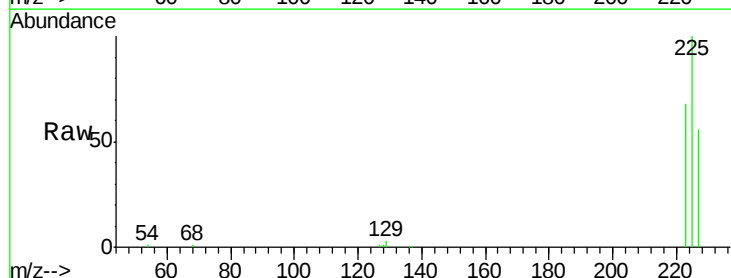
Concen: 5.58 ng

RT: 10.80 min Scan# 571

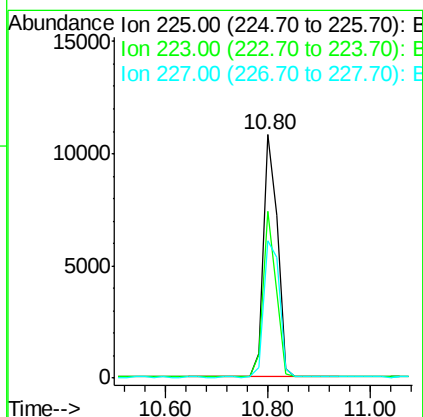
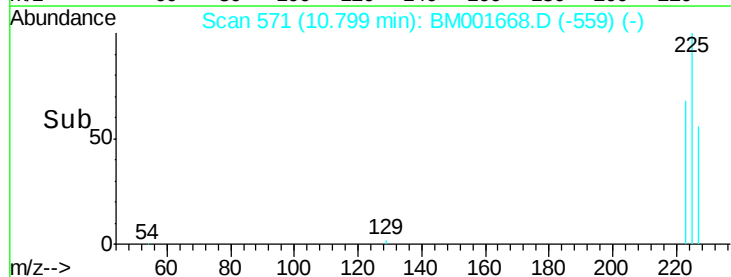
Delta R.T. 0.00 min

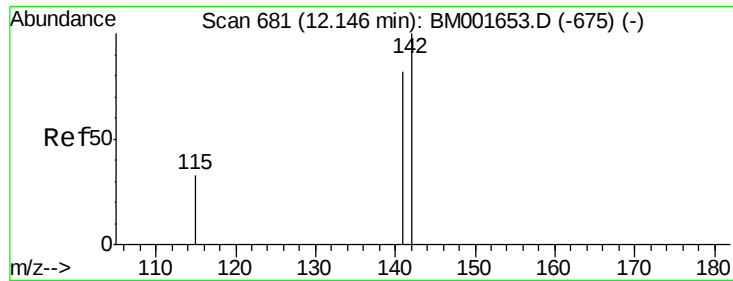
Lab File: BM001668.D

Acq: 12 Jun 2015 09:03



Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20034		
223	63.1	51.0	76.4	
227	62.9	51.2	76.8	





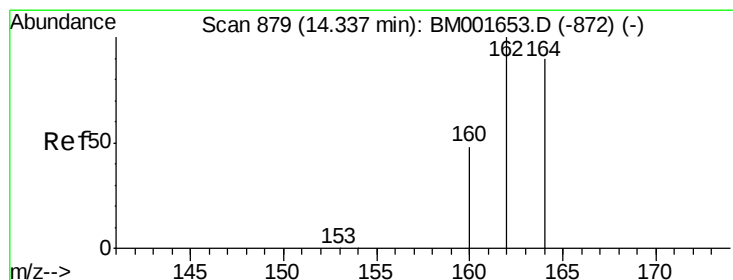
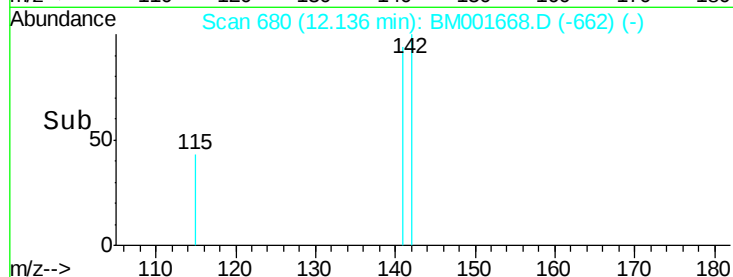
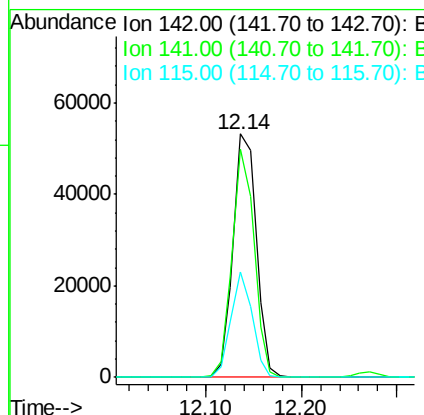
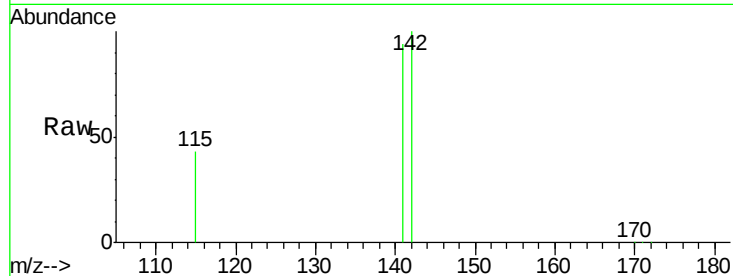
#11
2-Methylnaphthalene
Concen: 6.46 ng
RT: 12.14 min Scan# 680
Delta R.T. -0.01 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Instrument :
BNA_M
ClientSampleId :
PB83924BSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	65.8	98.6
115	43.1	27.0	40.6

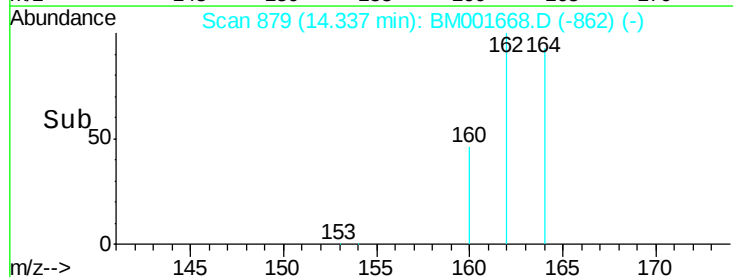
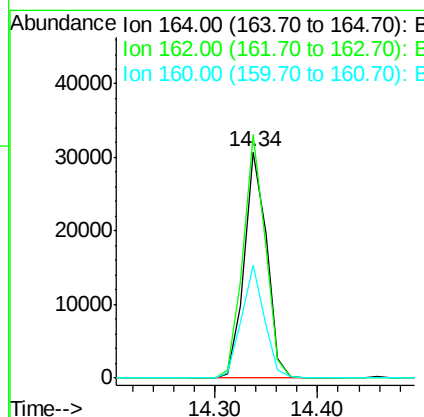
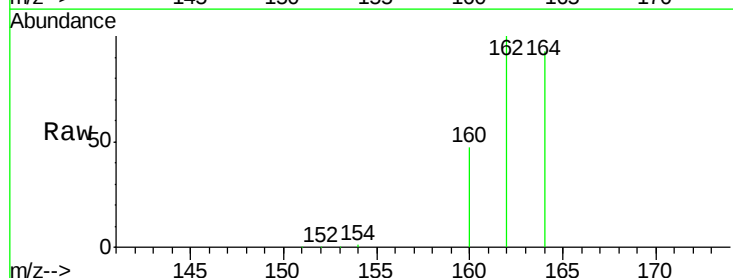
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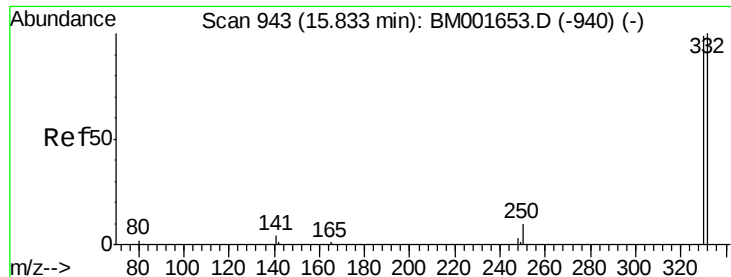
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

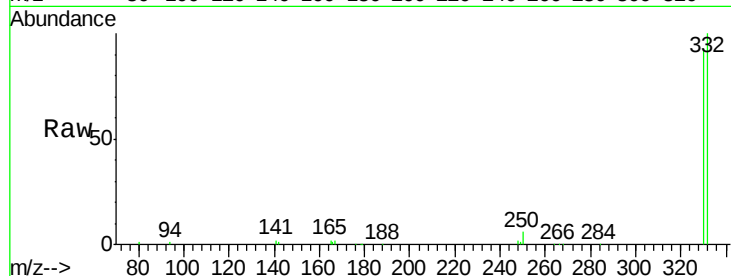
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.8	89.0	133.4
160	50.1	42.6	63.8





#13
 2,4,6-Tribromophenol
 Concen: 15.87 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001668.D
 Acq: 12 Jun 2015 09:03

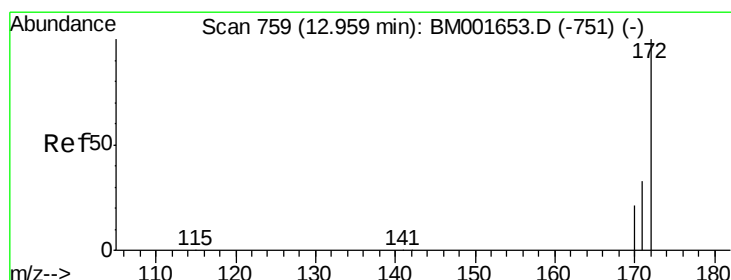
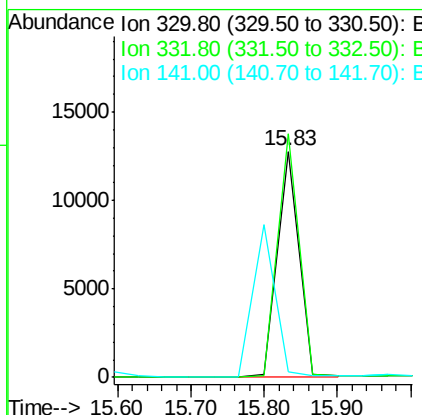
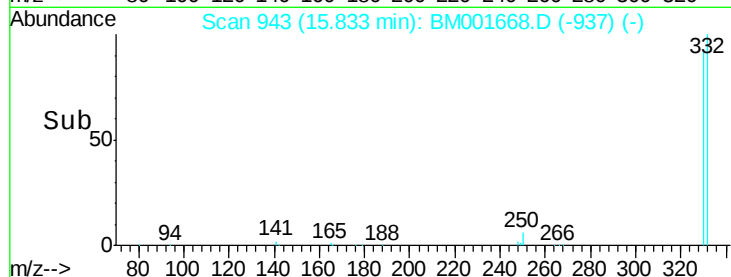
Instrument :
 BNA_M
 ClientSampleId :
 PB83924BSD



Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	107.2	26543	80.6	120.8
141	0.0		0.0	0.0

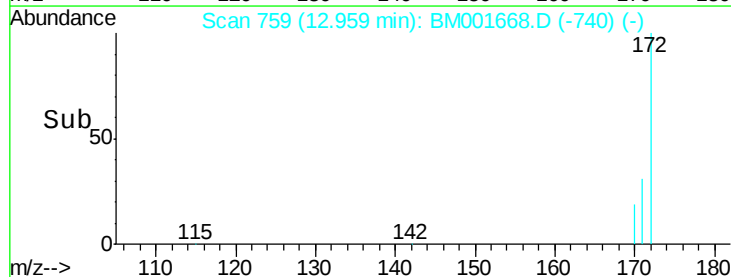
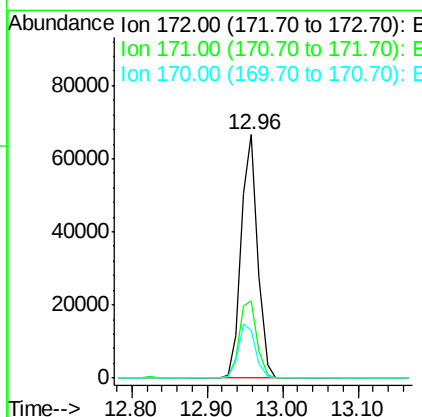
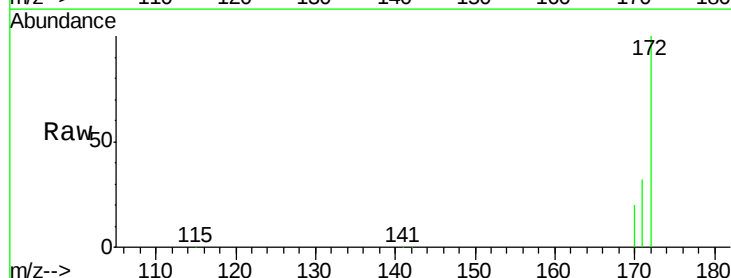
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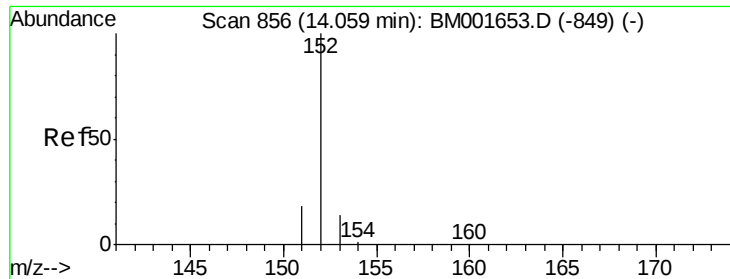
apatel
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#14
 2-Fluorobiphenyl
 Concen: 6.27 ng
 RT: 12.96 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BM001668.D
 Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	100585		
171	31.9		26.6	40.0
170	19.6		17.1	25.7





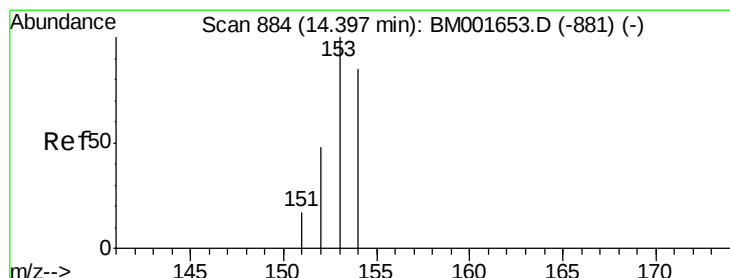
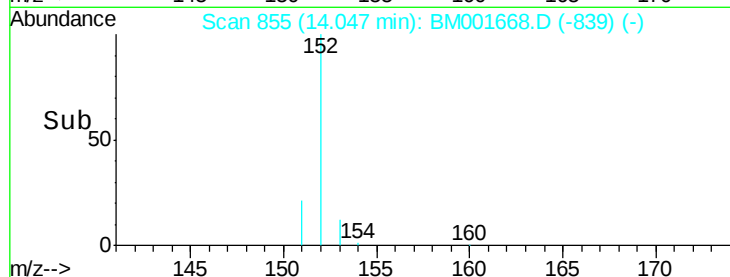
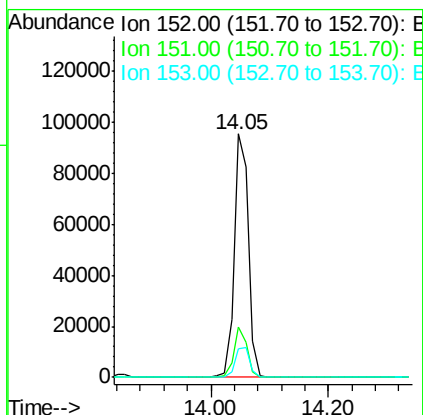
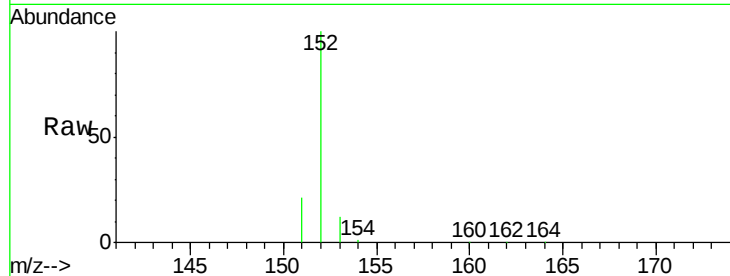
#15
Acenaphthylene
Concen: 7.40 ng
RT: 14.05 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	158795		
151	19.1	15.5	23.3	
153	12.9	10.2	15.4	

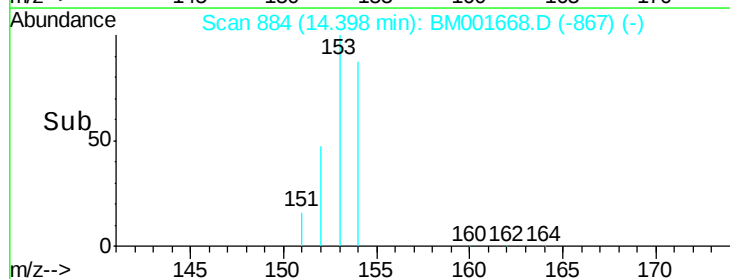
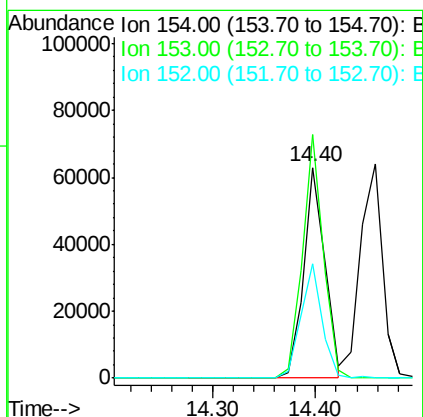
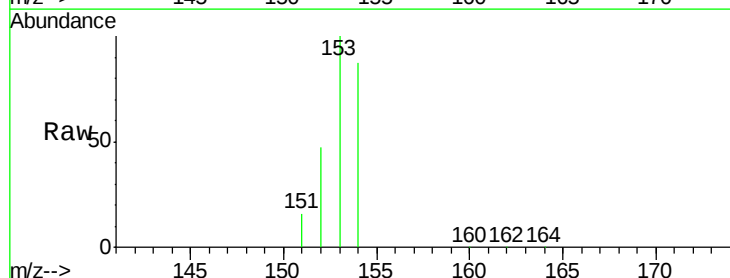
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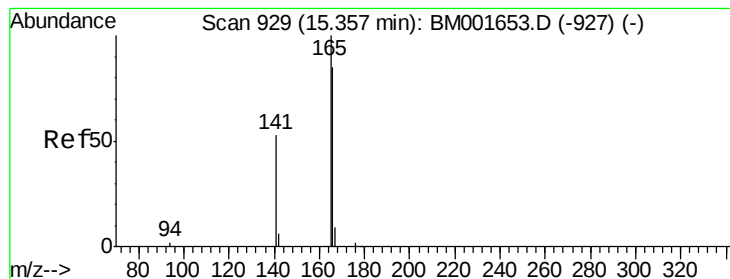
apatel
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#16
Acenaphthene
Concen: 6.63 ng
RT: 14.40 min Scan# 884
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	90589		
153	113.8	91.0	136.6	
152	54.5	43.8	65.8	





#17

Fluorene

Concen: 7.75 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001668.D

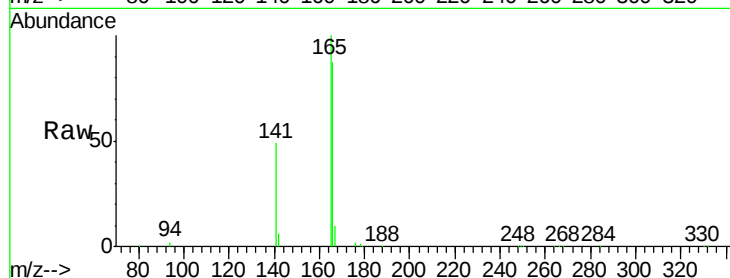
Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

ClientSampleId :

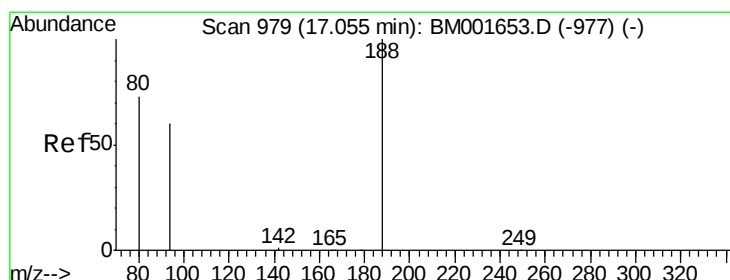
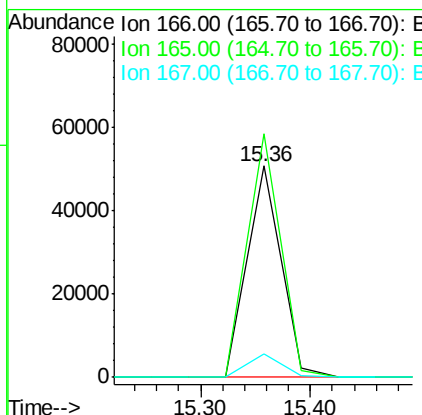
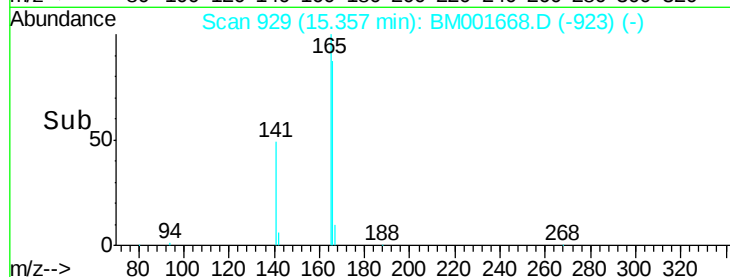
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Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	113.0	90.7	136.1	
167	11.6	9.4	14.0	

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#18

Phenanthrene-d10

Concen: 5.00 ng

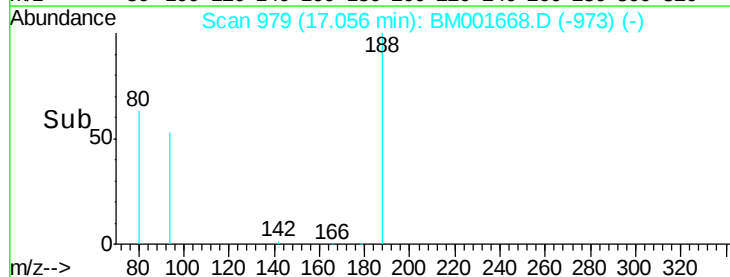
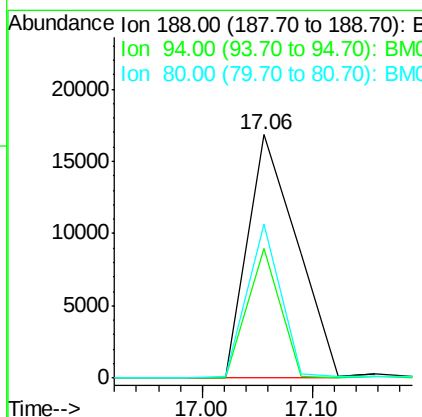
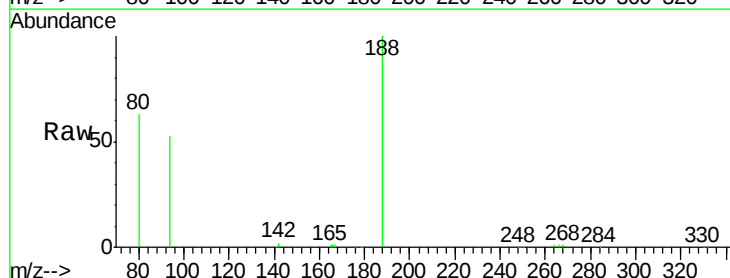
RT: 17.06 min Scan# 979

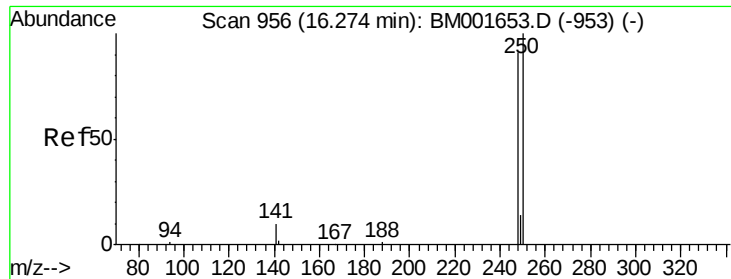
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	53.3	48.3	72.5	
80	63.1	58.6	88.0	





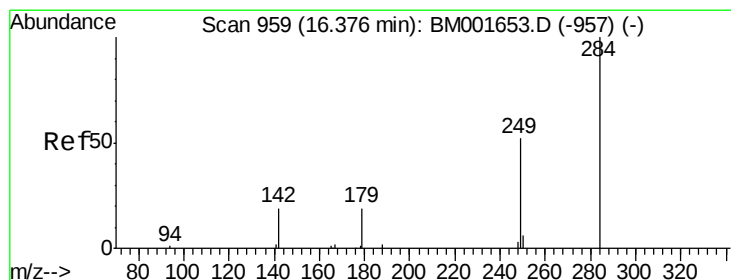
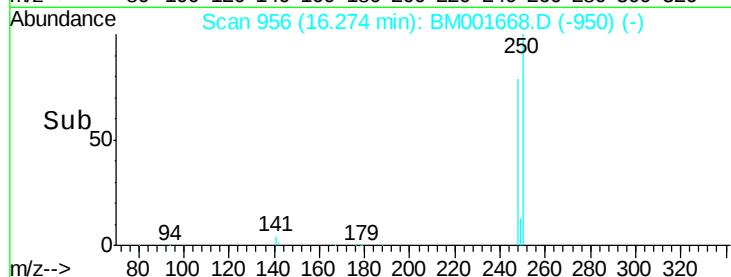
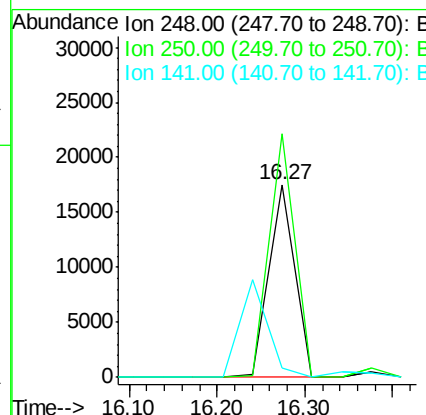
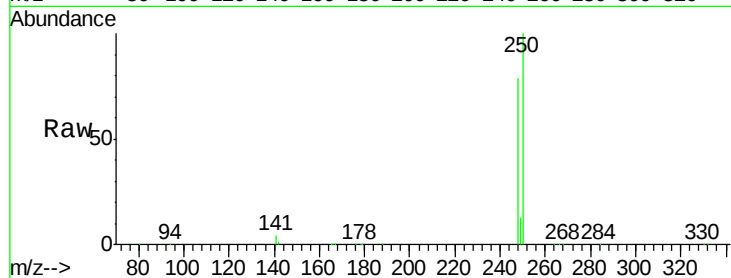
#19
4-Bromophenyl-phenylether
Concen: 6.95 ng
RT: 16.27 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Instrument :
BNA_M
ClientSampleId :
PB83924BSD

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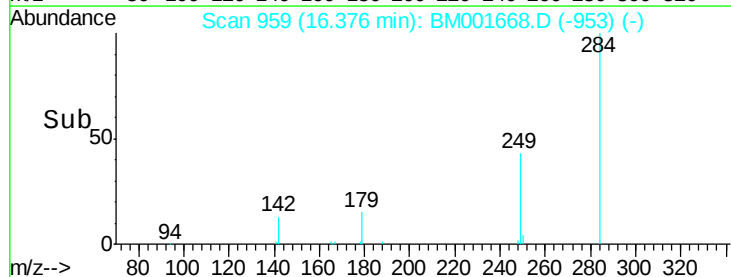
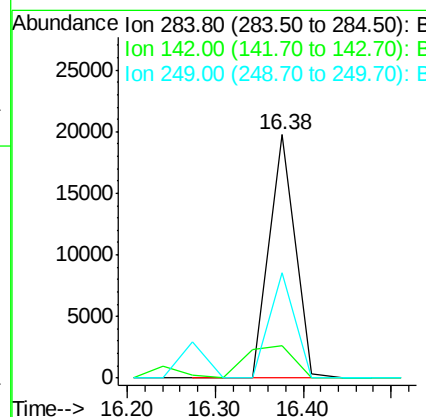
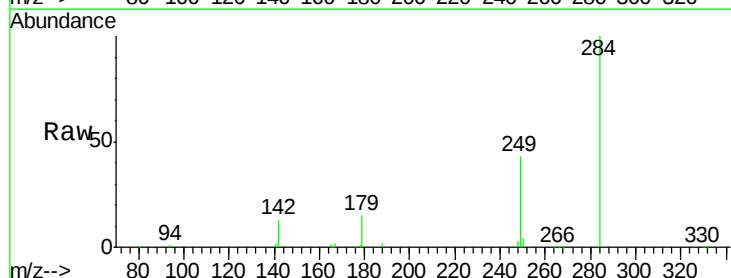
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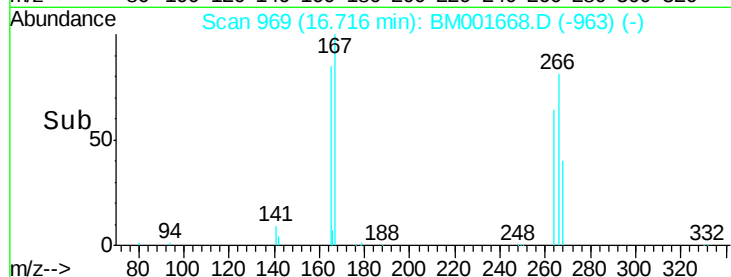
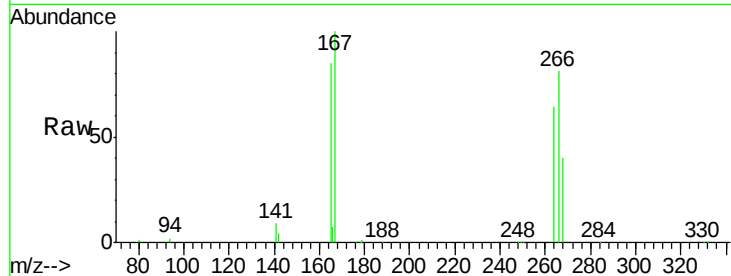
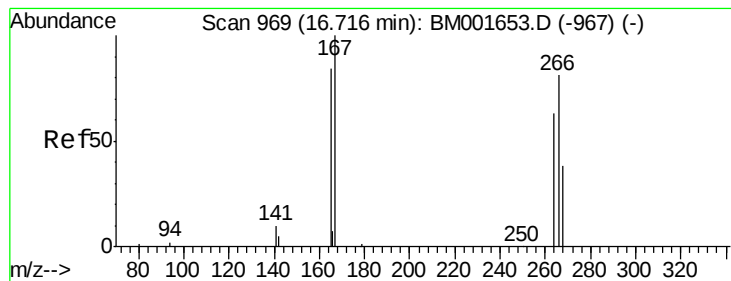
Tgt Ion	Ratio	Lower	Upper
248	100		
250	125.1	87.5	131.3
141	0.0	0.0	0.0



#20
Hexachlorobenzene
Concen: 8.67 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Lower	Upper
284	100		
142	23.8	21.5	32.3
249	56.7	53.8	80.6





#21

Pentachlorophenol

Concen: 96.77 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	266	Resp:	185394
Ion Ratio		Lower	Upper
266	100		
268	48.7	43.3	64.9
264	78.8	64.5	96.7

Instrument :

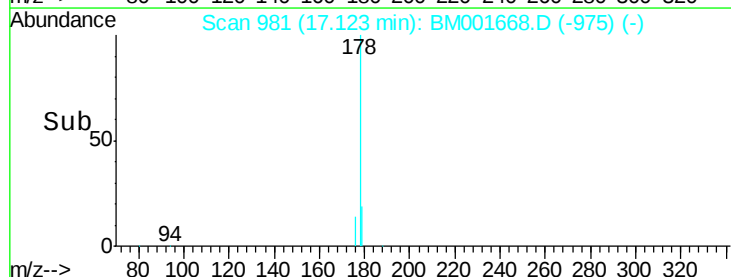
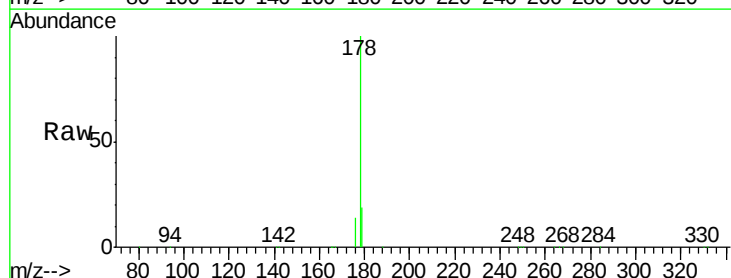
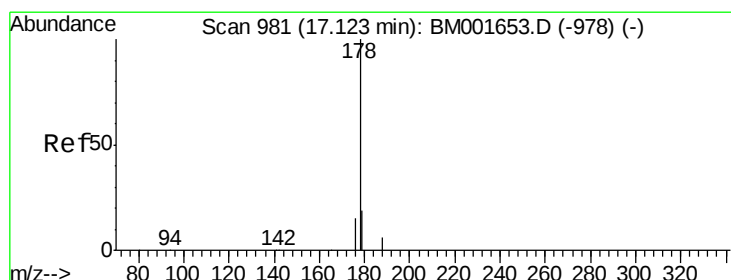
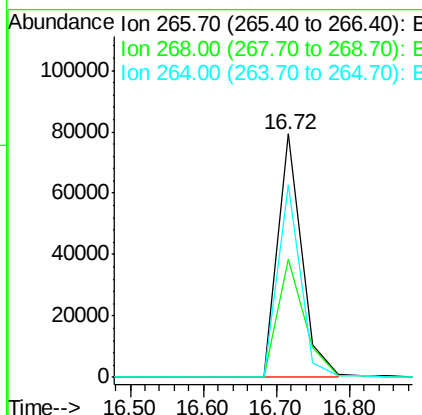
BNA_M

ClientSampleId :

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#22

Phenanthrene

Concen: 6.16 ng m

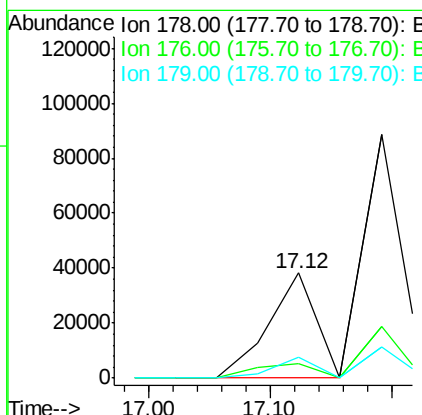
RT: 17.12 min Scan# 981

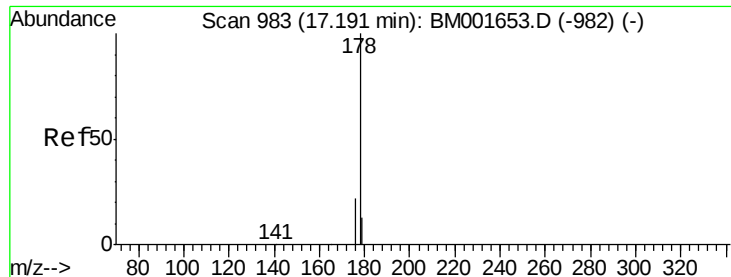
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	178	Resp:	104607
Ion Ratio		Lower	Upper
178	100		
176	0.0	0.0	0.0
179	0.0	14.2	21.2#





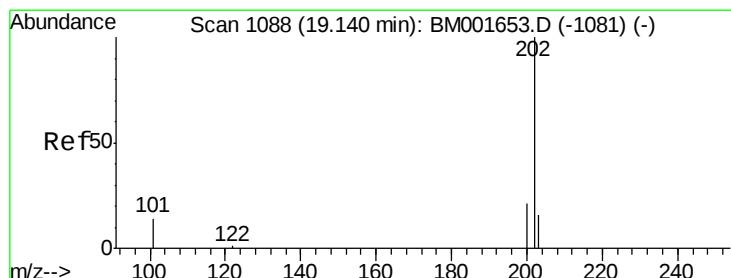
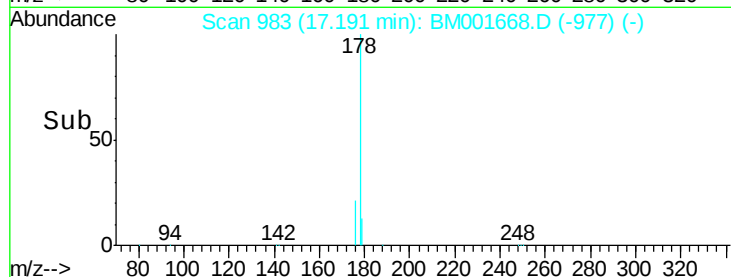
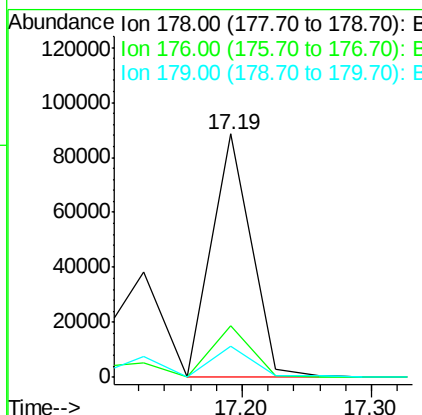
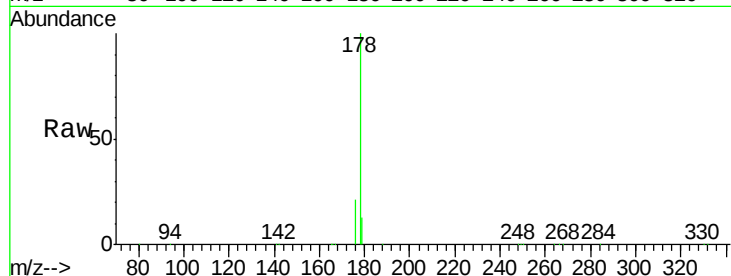
#23
 Anthracene
 Concen: 9.36 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM001668.D
 Acq: 12 Jun 2015 09:03

Instrument :
 BNA_M
 ClientSampleId :
 PB83924BSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	30.5	0.0	0.0#
179	0.0	21.4	32.0#

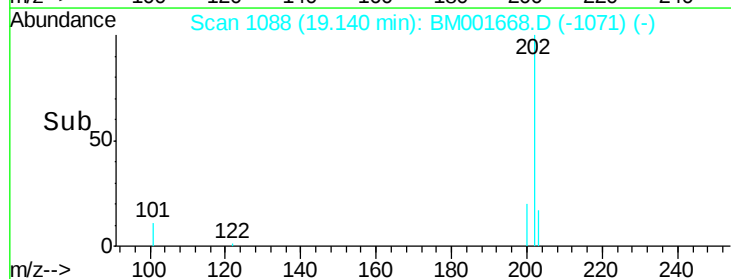
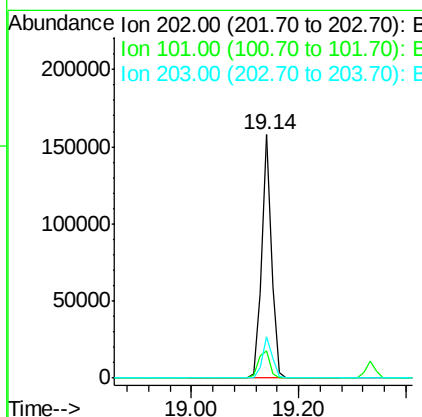
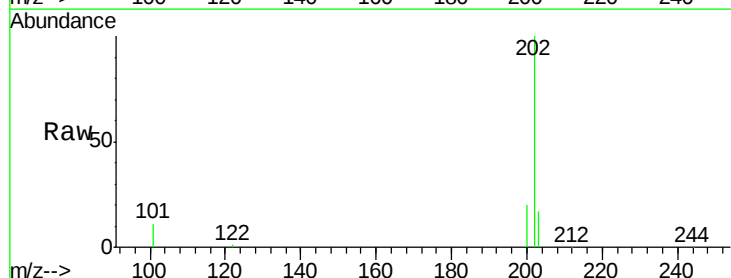
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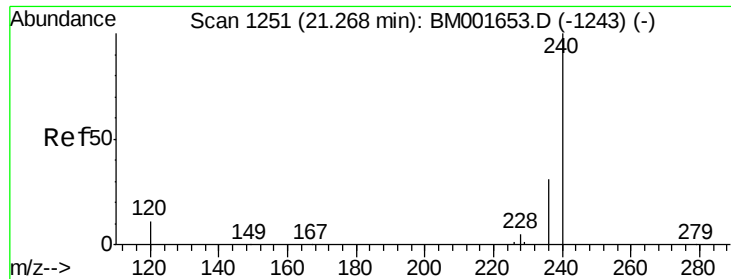
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#24
 Fluoranthene
 Concen: 8.08 ng
 RT: 19.14 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BM001668.D
 Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.8	16.2
203	17.3	13.8	20.8





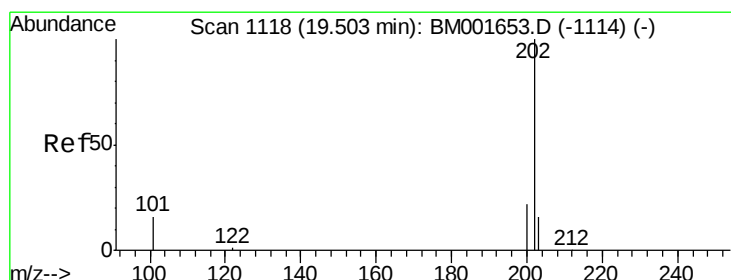
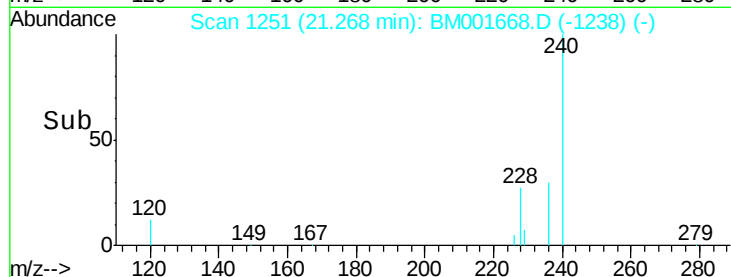
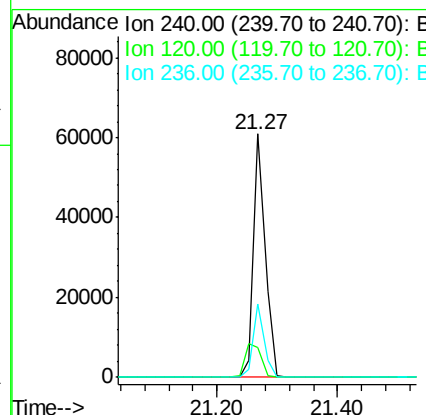
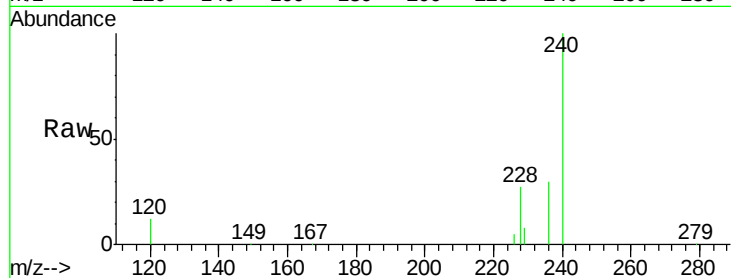
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Instrument :
BNA_M
ClientSampleId :
PB83924BSD

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.9	13.3
236	30.2	24.6	36.8

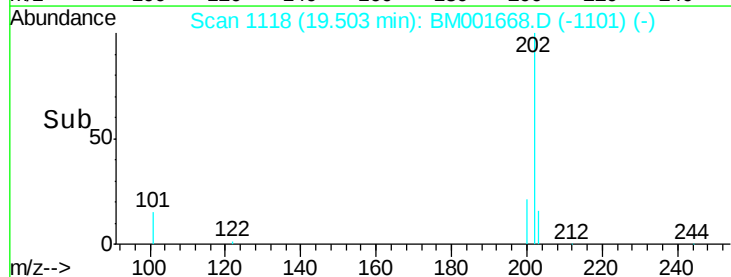
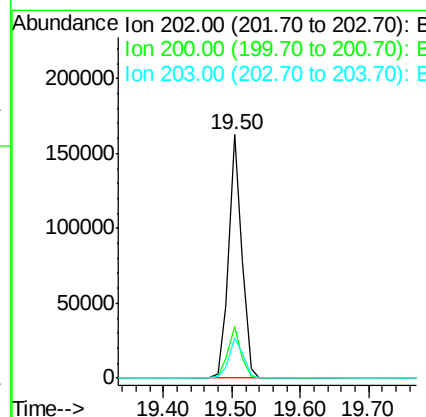
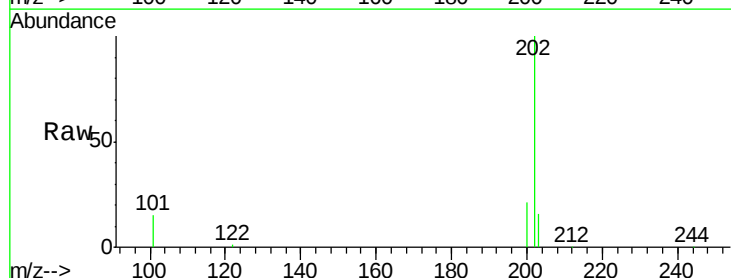
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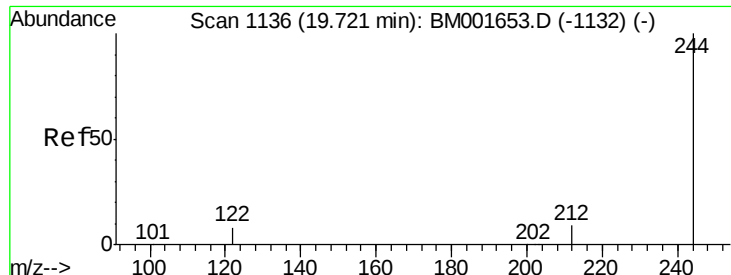
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#26
Pyrene
Concen: 7.77 ng
RT: 19.50 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

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





#27

Terphenyl-d14

Concen: 6.65 ng

RT: 19.72 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BM001668.D

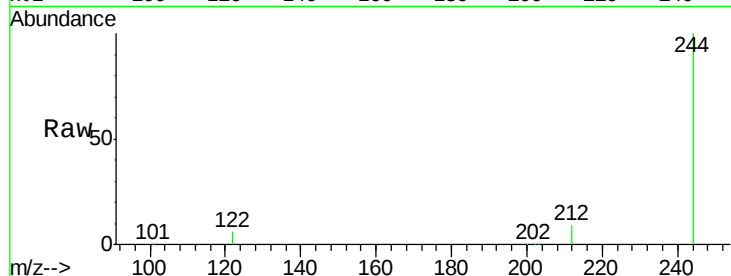
Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

ClientSampleId :

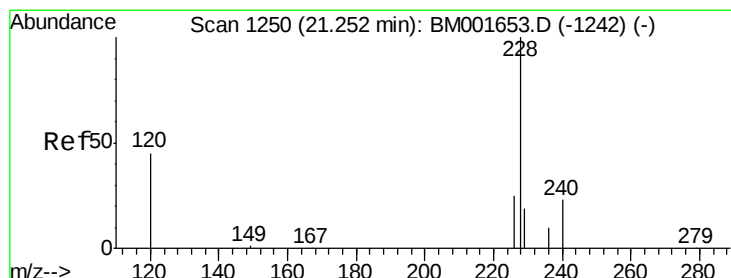
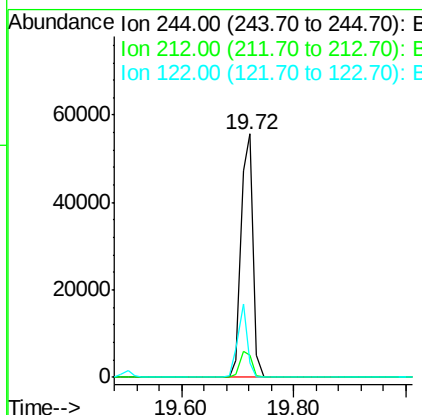
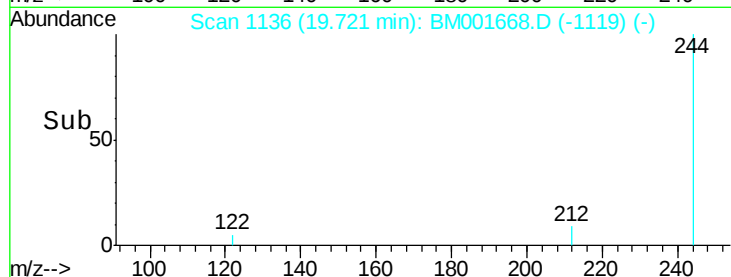
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Tgt Ion:	244	Resp:	81502
Ion Ratio	Lower	Upper	
244	100		
212	8.9	7.7	11.5
122	5.8	6.9	10.3

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#28

Benzo(a)anthracene

Concen: 7.49 ng

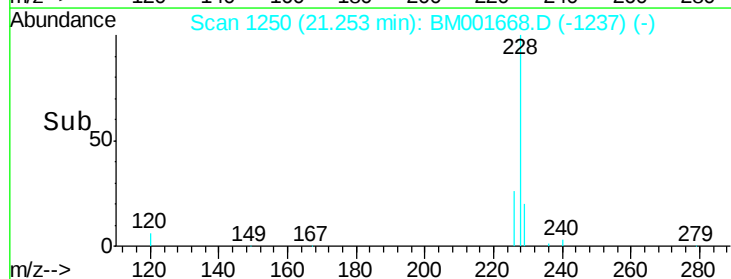
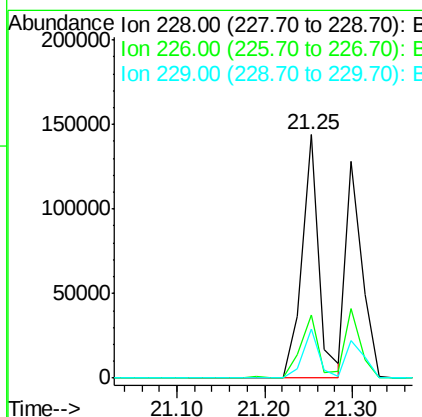
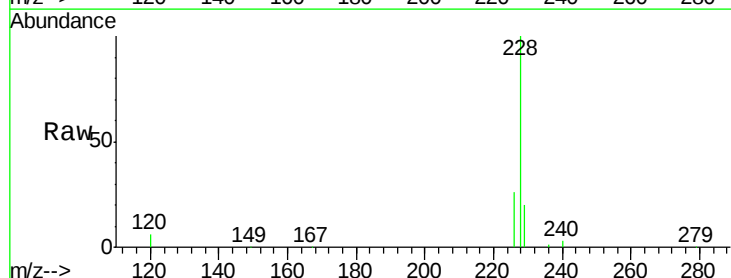
RT: 21.25 min Scan# 1250

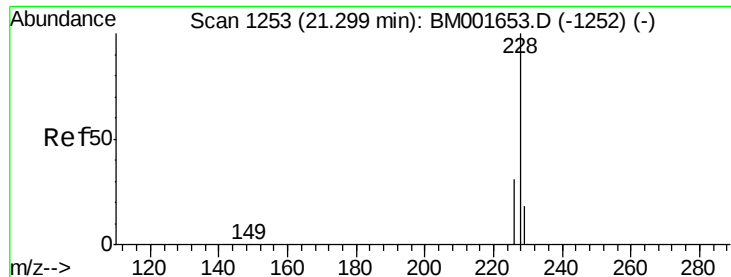
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	228	Resp:	191213
Ion Ratio	Lower	Upper	
228	100		
226	25.8	20.2	30.4
229	20.0	15.7	23.5





#29

Chrysene

Concen: 6.79 ng

RT: 21.30 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

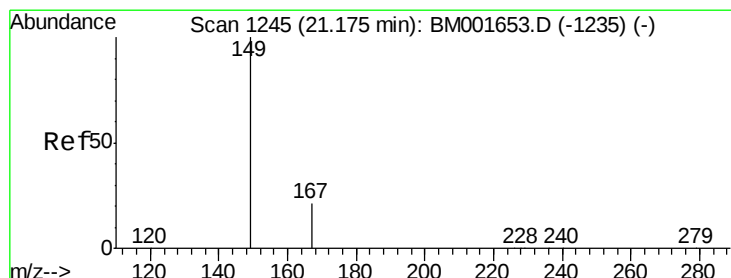
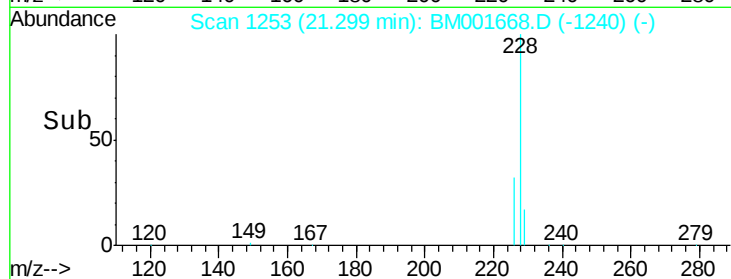
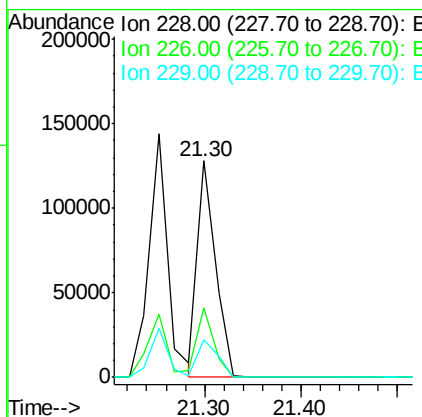
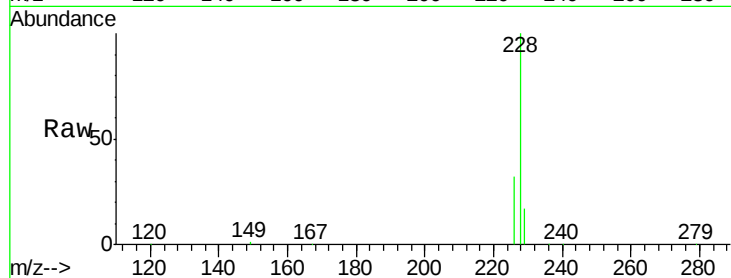
ClientSampleId :

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Tgt Ion:	228	Resp:	165874
Ion Ratio		Lower	Upper
228	100		
226	32.4	25.8	38.8
229	17.3	14.1	21.1



#30

Bis(2-ethylhexyl)phthalate

Concen: 8.92 ng

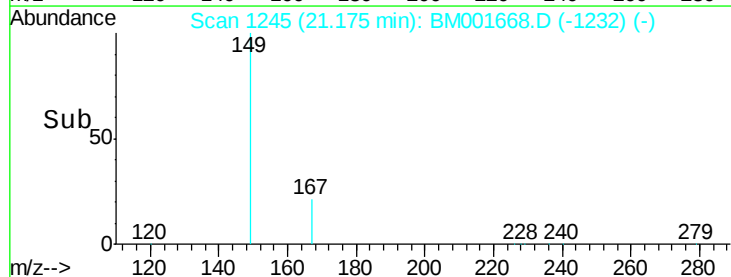
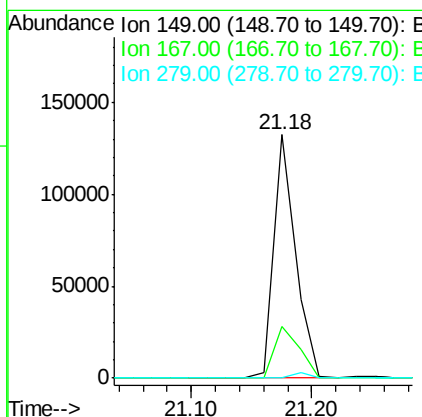
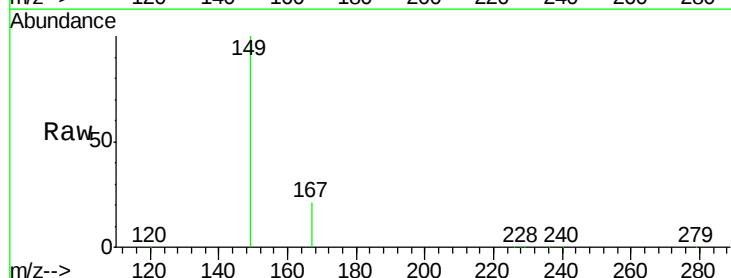
RT: 21.18 min Scan# 1245

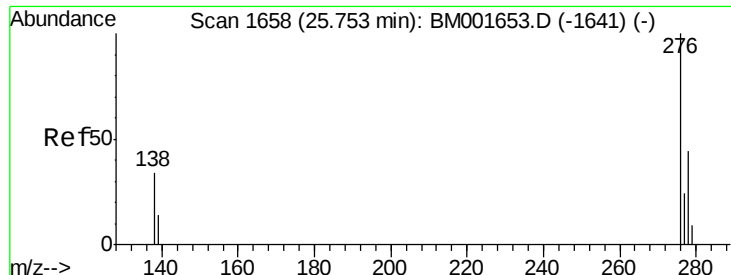
Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

Tgt Ion:	149	Resp:	165688
Ion Ratio		Lower	Upper
149	100		
167	24.6	20.2	30.2
279	2.1	1.7	2.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 6.99 ng

RT: 25.75 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BM001668.D

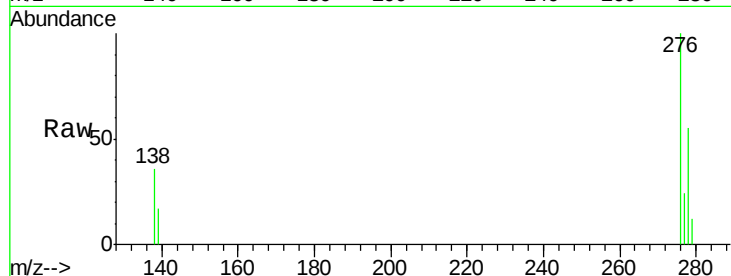
Acq: 12 Jun 2015 09:03

Instrument :

BNA_M

ClientSampleId :

PB83924BSD



Tgt Ion:276 Resp: 134206

Ion Ratio Lower Upper

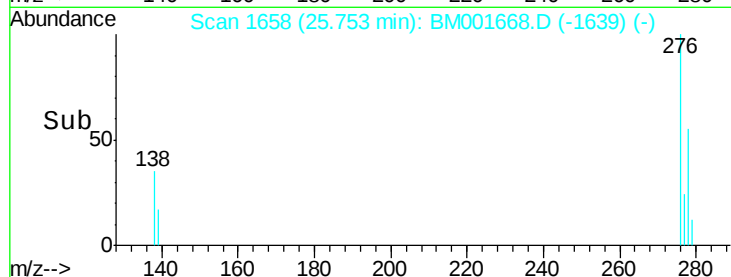
276 100

138 36.2 28.8 43.2

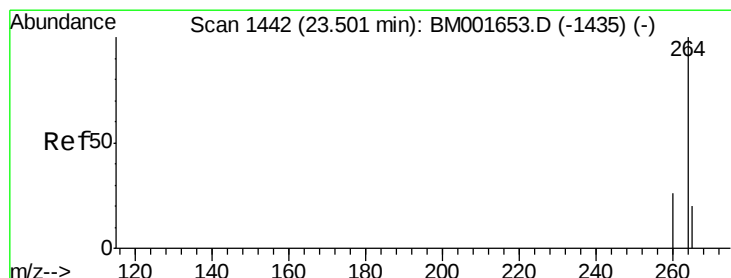
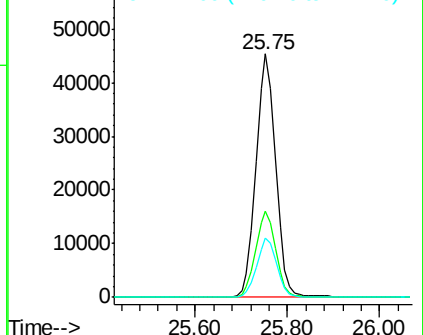
277 24.6 19.6 29.4

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.50 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BM001668.D

Acq: 12 Jun 2015 09:03

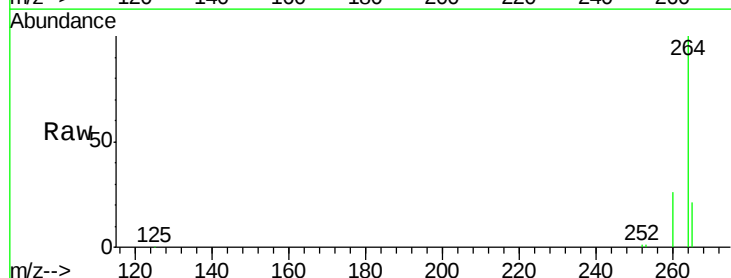
Tgt Ion:264 Resp: 64215

Ion Ratio Lower Upper

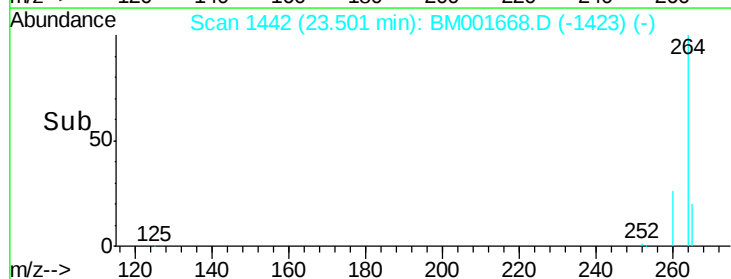
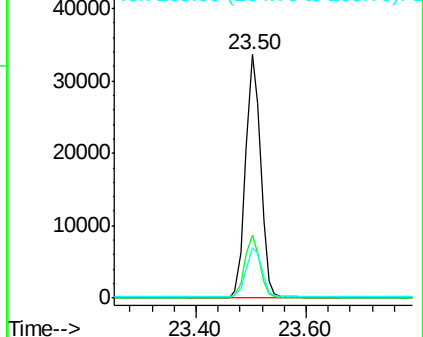
264 100

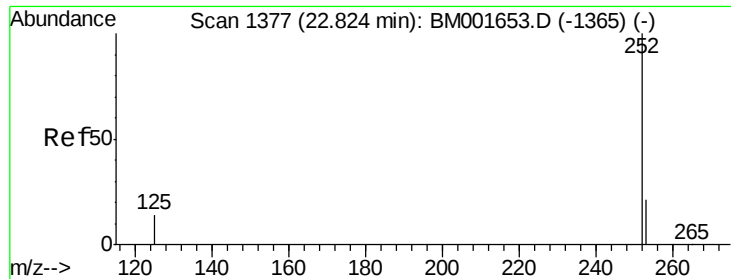
260 26.2 20.8 31.2

265 20.8 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





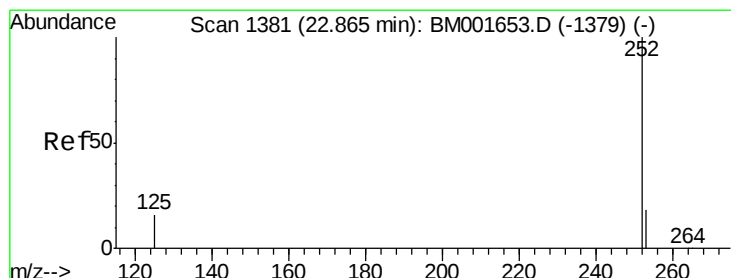
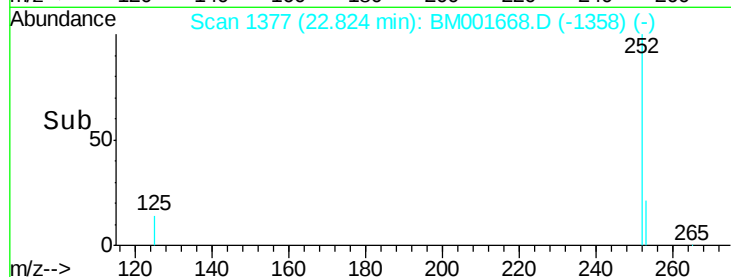
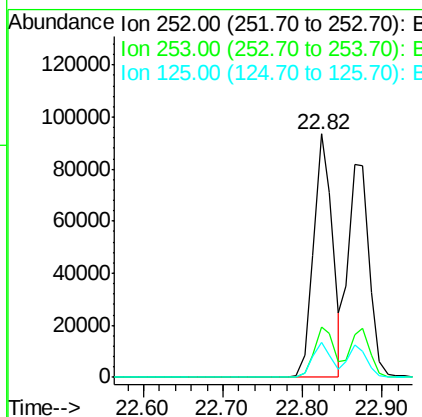
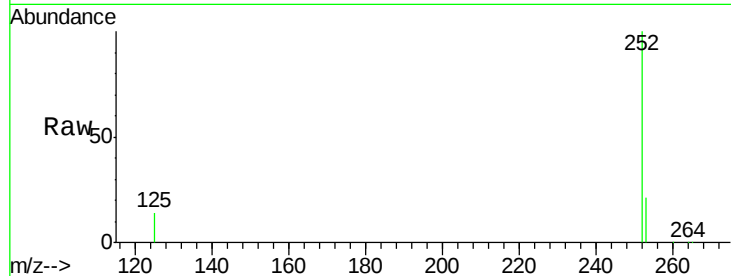
#33
Benzo(b)fluoranthene
Concen: 7.32 ng
RT: 22.82 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Instrument :
BNA_M
ClientSampleId :
PB83924BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	14.2	12.0	18.0

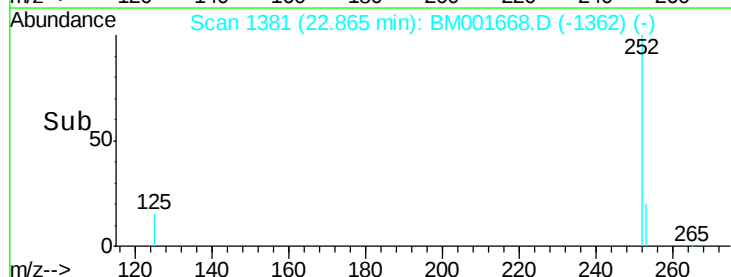
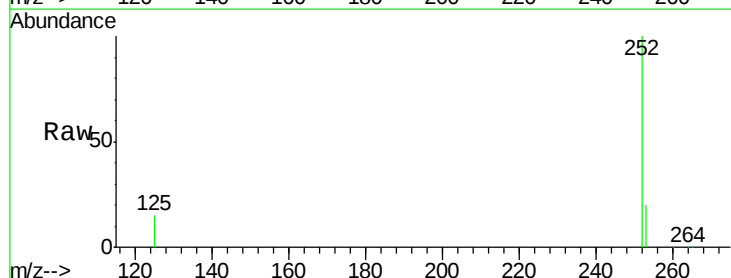
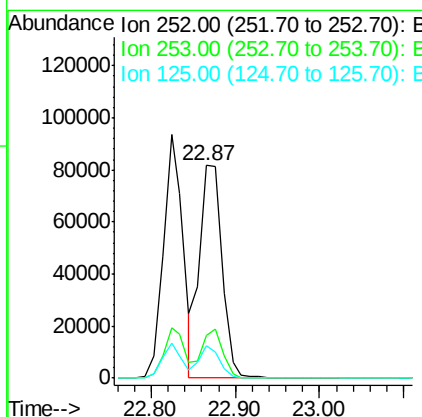
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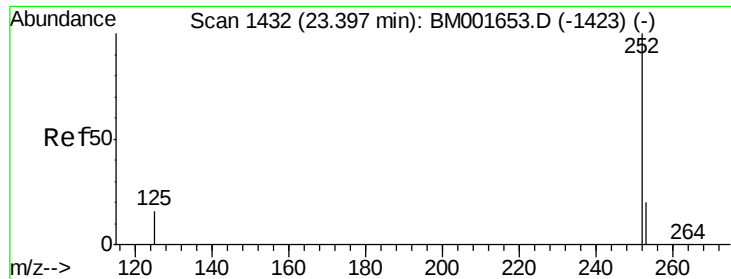
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#34
Benzo(k)fluoranthene
Concen: 7.32 ng
RT: 22.87 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

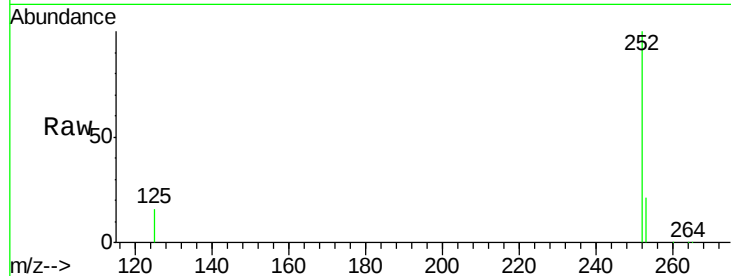
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.0	25.6
125	15.0	12.5	18.7





#35
Benzo(a)pyrene
Concen: 7.81 ng
RT: 23.40 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

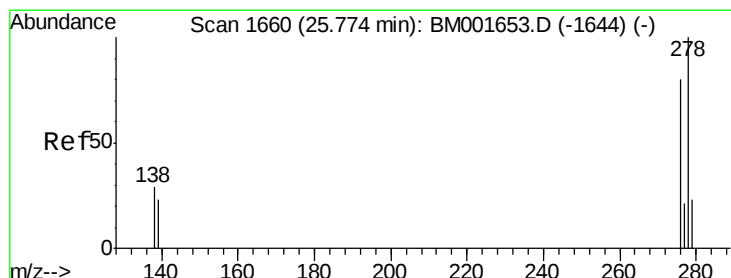
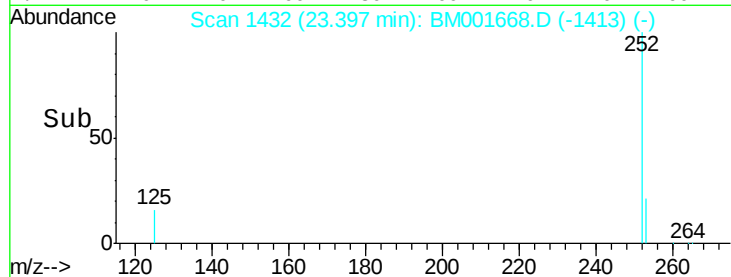
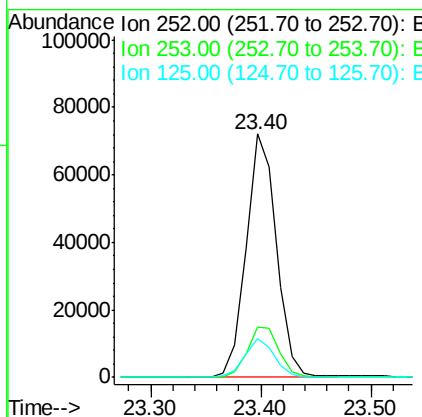
Instrument :
BNA_M
ClientSampleId :
PB83924BSD



Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.4	26.0
125	15.8	14.0	21.0

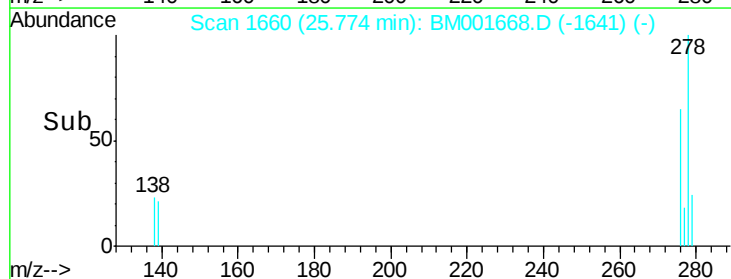
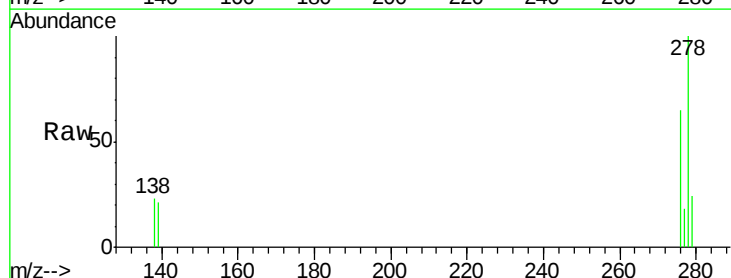
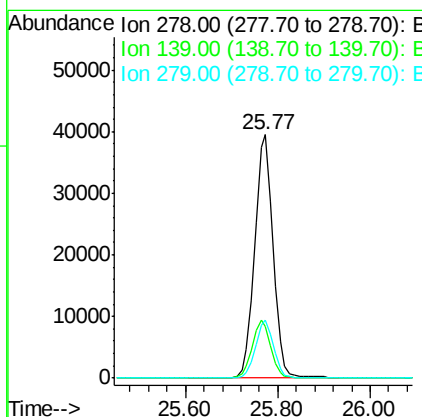
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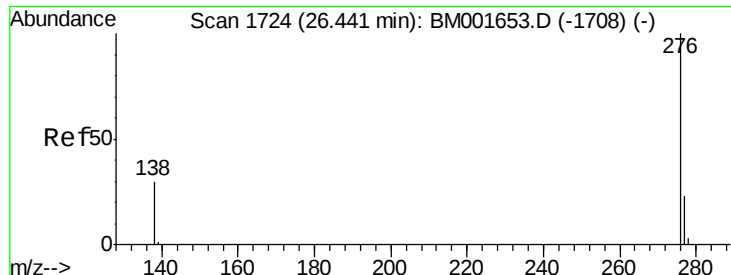
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#36
Dibenzo(a,h)anthracene
Concen: 7.45 ng
RT: 25.77 min Scan# 1660
Delta R.T. 0.00 min
Lab File: BM001668.D
Acq: 12 Jun 2015 09:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	19.1	28.7
279	23.7	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 7.35 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BM001668.D
 Acq: 12 Jun 2015 09:03

Instrument :
 BNA_M
 ClientSampleId :
 PB83924BSD

Tgt	Ion	276	Resp:	109692
Ion	Ratio	Lower	Upper	
276	100			
277	23.2	19.3	28.9	
138	30.9	25.0	37.4	

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