

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
 Data File : BM001581.D
 Acq On : 06 Jun 2015 06:53
 Operator : TP/IZ
 Sample : PB83718BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BS

Manual Integrations
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Quant Time: Jun 08 05:47:26 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM060615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 05:27:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	22064	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	80811	5.00	ng	0.00
12) Acenaphthene-d10	14.35	164	38918	5.00	ng	0.00
18) Phenanthrene-d10	17.09	188	60789	5.00	ng	0.00
25) Chrysene-d12	21.28	240	64406	5.00	ng	0.00
32) Perylene-d12	23.51	264	52512	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	59961	12.30	ng	0.00
5) Phenol-d6	6.84	99	79390	13.25	ng	0.00
7) Nitrobenzene-d5	8.85	82	48744	8.86	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	27609	14.81	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	101079	8.43	ng	0.00
27) Terphenyl-d14	19.72	244	72006	8.66	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	16469	8.60	ng	96
3) n-Nitrosodimethylamine	3.51	42	28933	8.59	ng	# 97
8) Nitrobenzene	8.89	77	53453	9.06	ng	99
9) Naphthalene	10.52	128	139338	7.98	ng	99
10) Hexachlorobutadiene	10.82	225	24473	8.04	ng	100
11) 2-Methylnaphthalene	12.15	142	90943	8.33	ng	94
15) Acenaphthylene	14.06	152	144425	8.60	ng	100
16) Acenaphthene	14.41	154	84198	7.96	ng	99
17) Fluorene	15.36	166	52678	7.73	ng	# 65
19) 4-Bromophenyl-phenylether	16.27	248	45019	9.30	ng	# 89
20) Hexachlorobenzene	16.38	284	20270	10.49	ng	92
21) Pentachlorophenol	16.75	266	113769	122.60	ng	# 90
22) Phenanthrene	17.12	178	181011	8.54	ng	100
23) Anthracene	17.19	178	83129m	9.31	ng	
24) Fluoranthene	19.15	202	171981	10.43	ng	99
26) Pyrene	19.52	202	185932	8.97	ng	100
28) Benzo(a)anthracene	21.25	228	157126	8.66	ng	99
29) Chrysene	21.31	228	146444	8.45	ng	98
30) Bis(2-ethylhexyl)phthalate	21.19	149	127736	10.45	ng	100
31) Indeno(1,2,3-cd)pyrene	25.77	276	130618	7.02	ng	99
33) Benzo(b)fluoranthene	22.83	252	146938	9.37	ng	98
34) Benzo(k)fluoranthene	22.89	252	116994	8.19	ng	98
35) Benzo(a)pyrene	23.42	252	123163	8.99	ng	98
36) Dibenzo(a,h)anthracene	25.79	278	105033	7.81	ng	98
37) Benzo(g,h,i)perylene	26.46	276	108514	7.68	ng	98

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

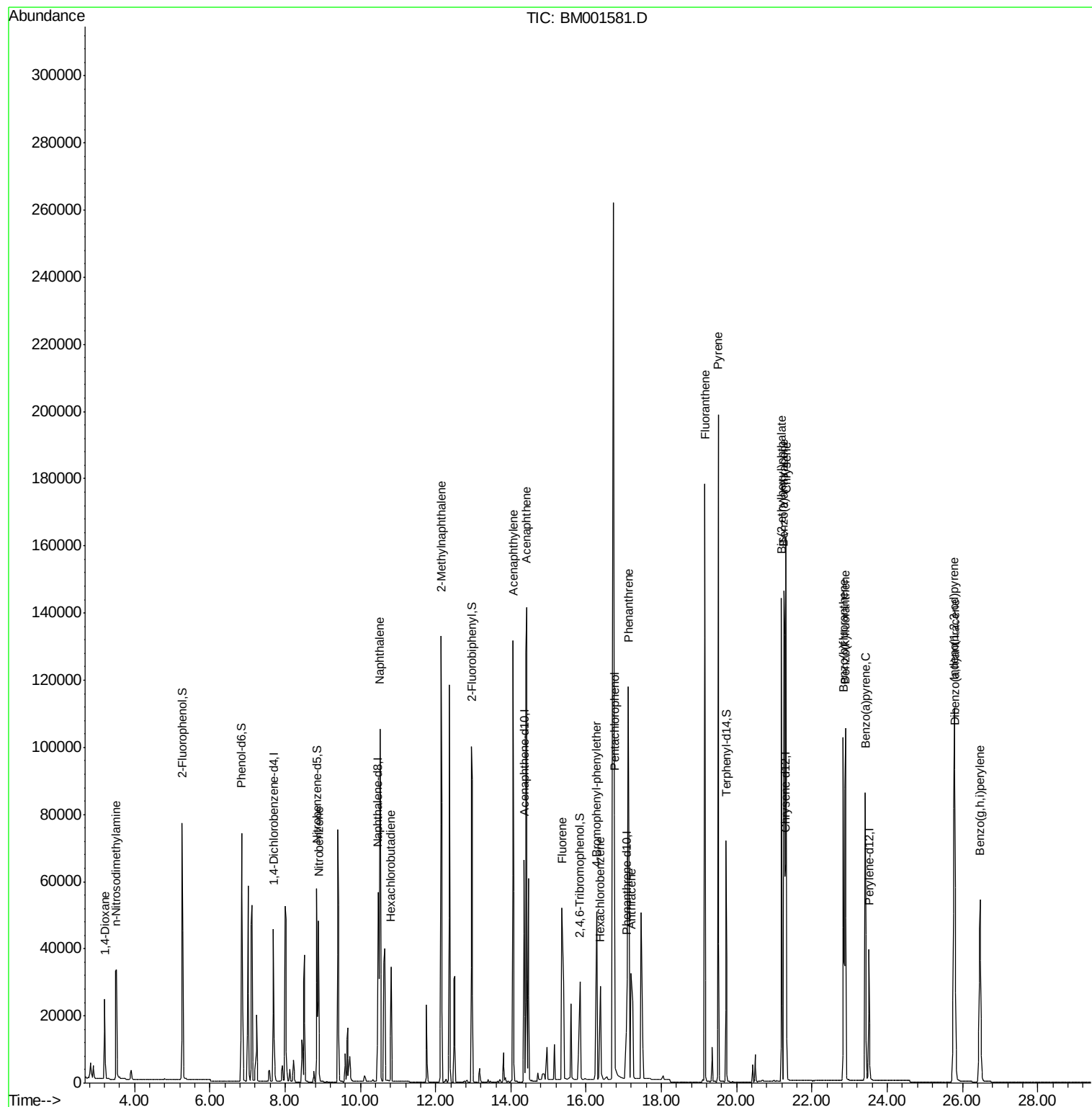
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060615\
Data File : BM001581.D
Acq On : 06 Jun 2015 06:53
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ALS Vial : 12 Sample Multiplier: 1

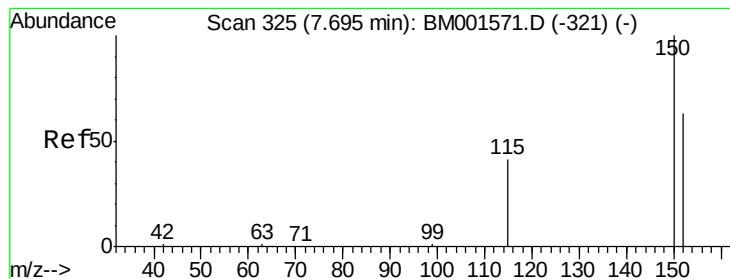
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 05:27:25 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.70 min Scan# 325

Delta R.T. -0.00 min

Lab File: BM001581.D

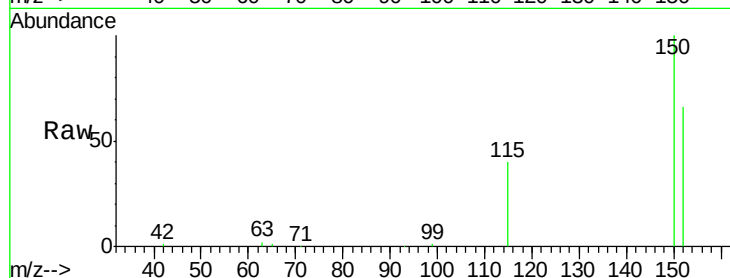
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

PB83718BS



Tgt Ion:152 Resp: 22064

Ion Ratio Lower Upper

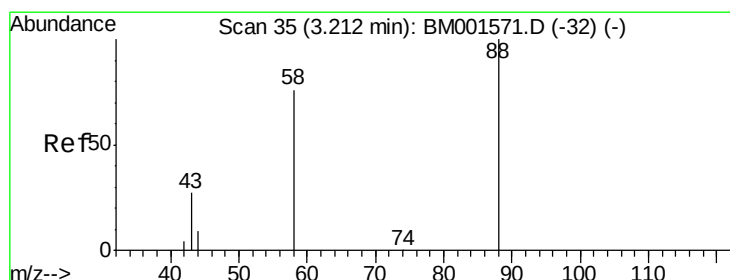
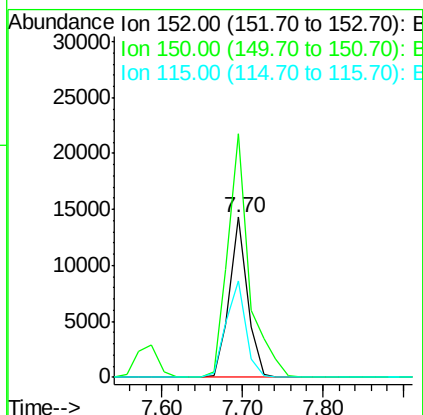
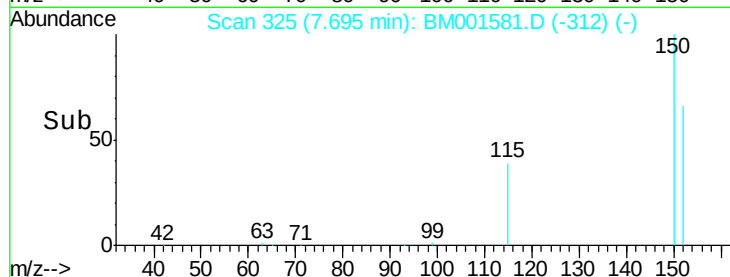
152 100

150 152.0 126.6 190.0

115 60.2 51.6 77.4

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#2

1,4-Dioxane

Concen: 8.60 ng

RT: 3.21 min Scan# 35

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

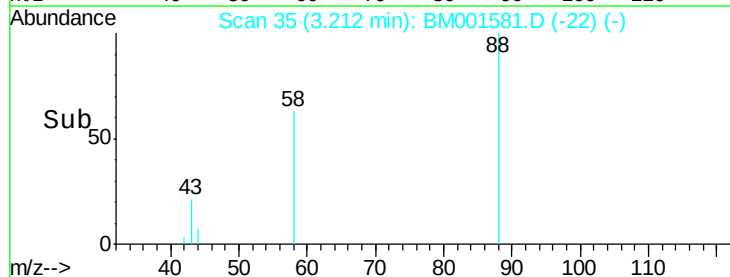
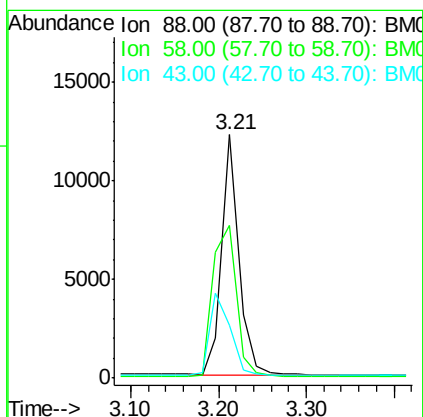
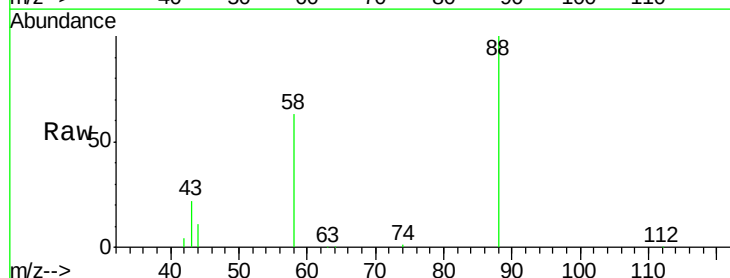
Tgt Ion: 88 Resp: 16469

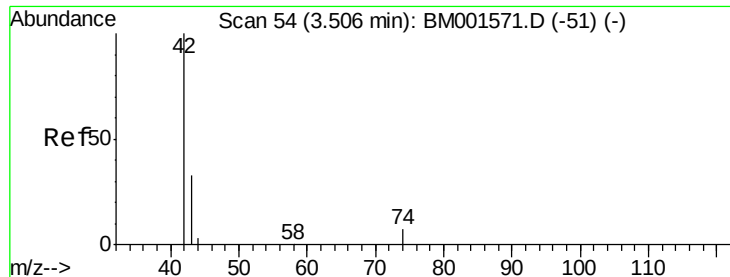
Ion Ratio Lower Upper

88 100

58 87.0 66.1 99.1

43 41.0 32.3 48.5





#3

n-Nitrosodimethylamine

Concen: 8.59 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

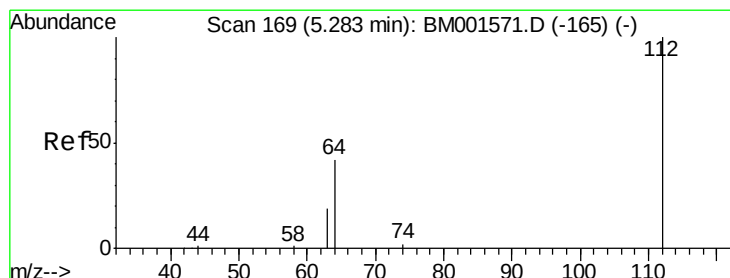
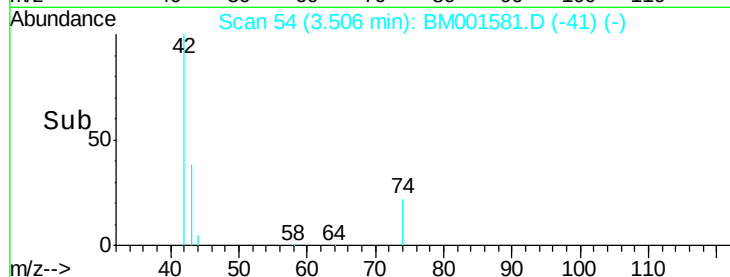
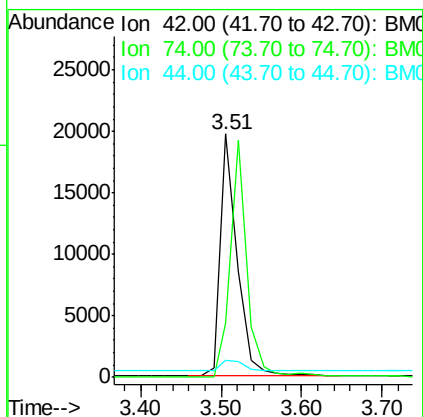
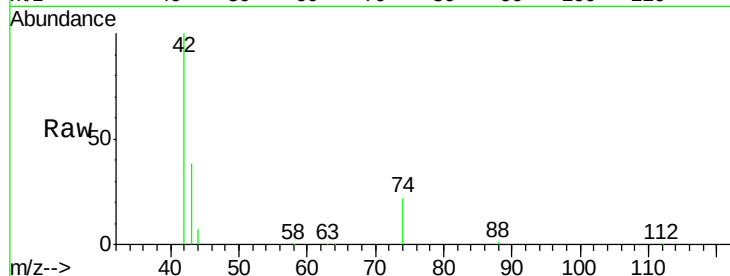
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
42	100		
74	94.1	77.2	115.8
44	6.0	7.4	11.2#



#4

2-Fluorophenol

Concen: 12.30 ng

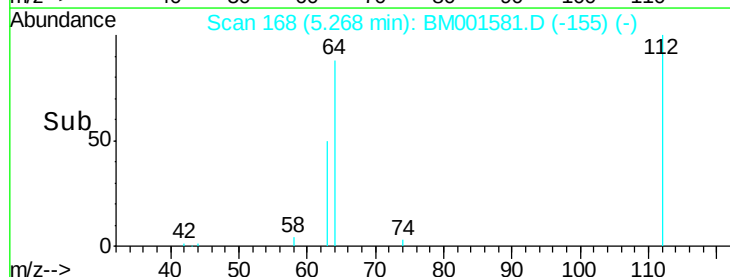
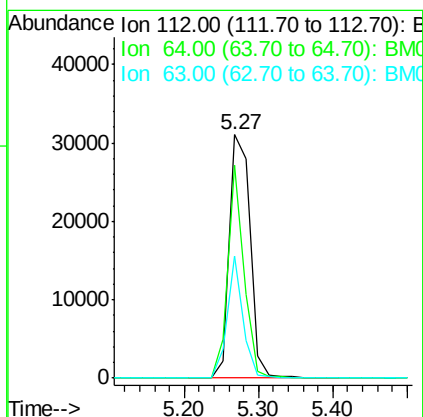
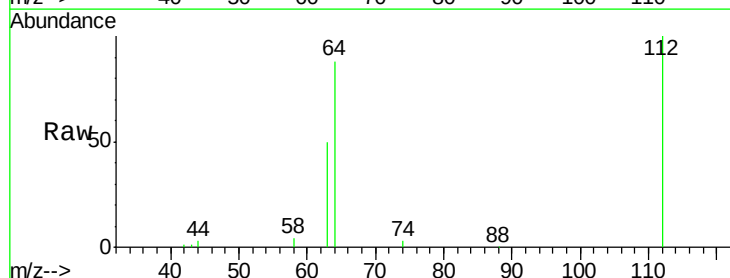
RT: 5.27 min Scan# 168

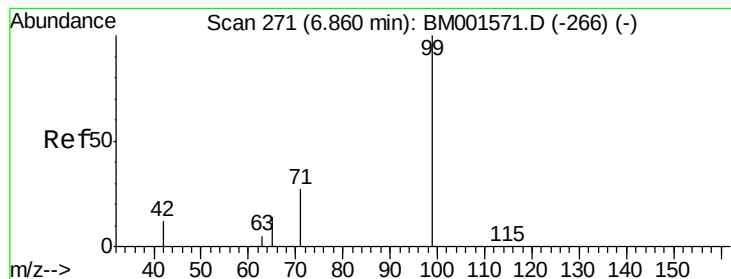
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.3	79.9
63	37.8	29.7	44.5





#5

Phenol-d6

Concen: 13.25 ng

RT: 6.84 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

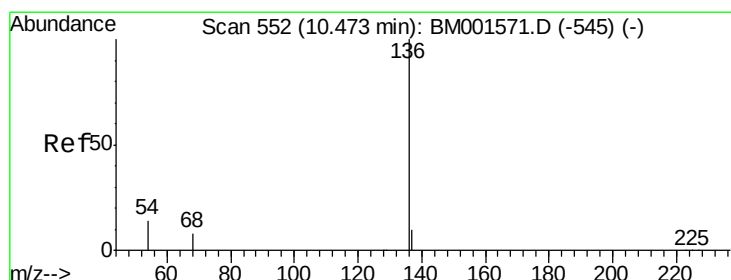
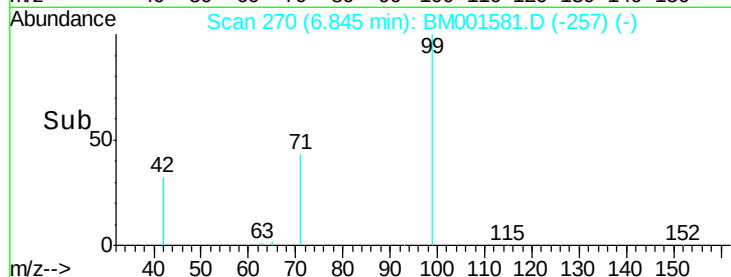
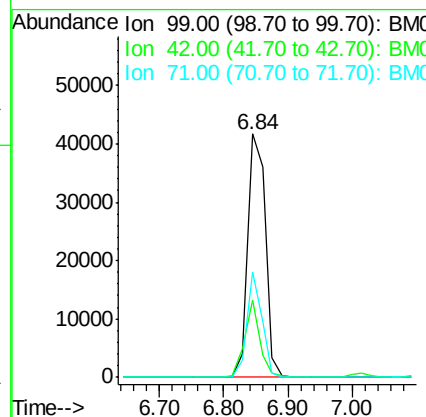
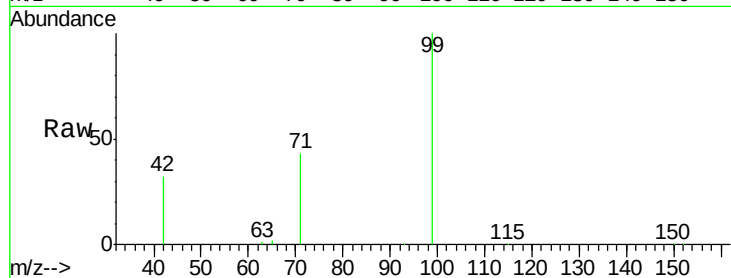
ClientSampleId :

PB83718BS

Tgt Ion:	99	Resp:	79390
Ion Ratio	Lower	Upper	
99	100		
42	26.3	21.4	32.2
71	36.2	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

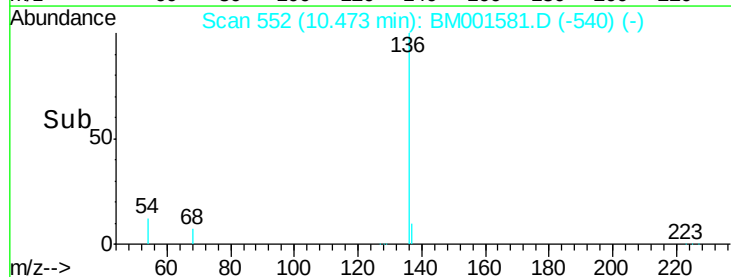
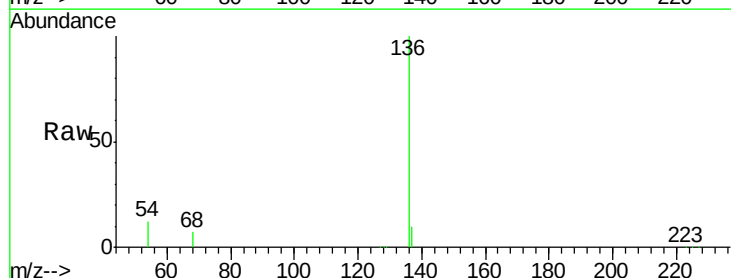
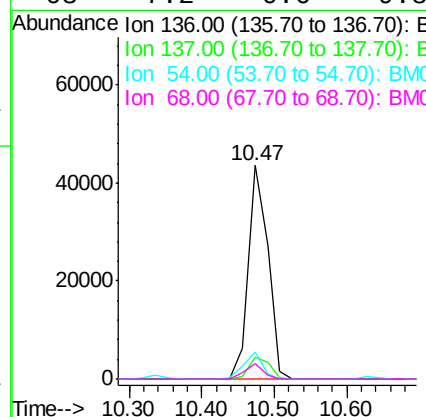
RT: 10.47 min Scan# 552

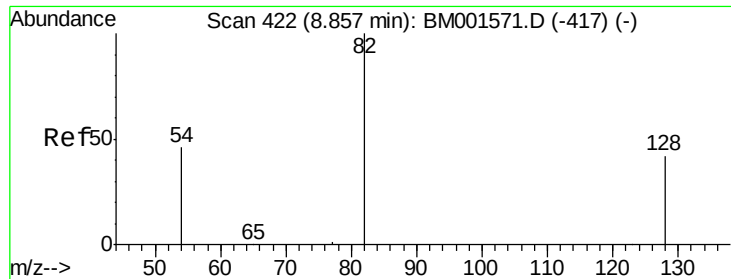
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion:	136	Resp:	80811
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.1	12.1
54	12.3	11.7	17.5
68	7.2	6.6	9.8





#7

Nitrobenzene-d5

Concen: 8.86 ng

RT: 8.85 min Scan# 421

Delta R.T. -0.00 min

Lab File: BM001581.D

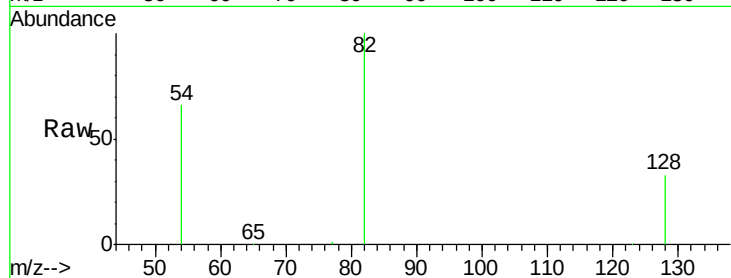
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

PB83718BS



Tgt Ion: 82 Resp: 48744

Ion Ratio Lower Upper

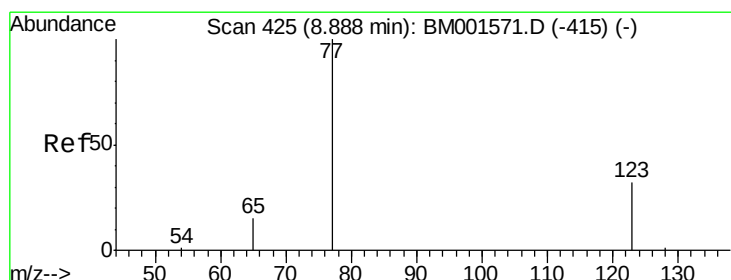
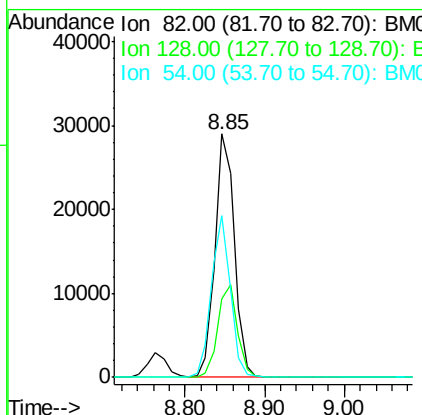
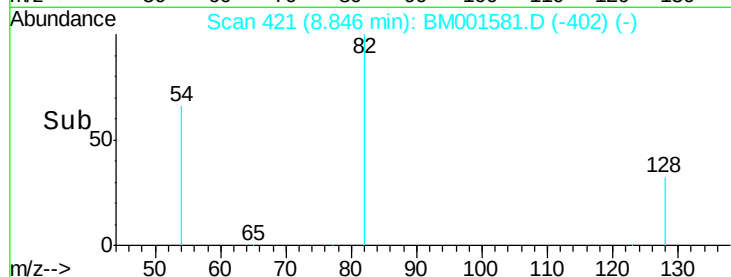
82 100

128 32.5 34.1 51.1#

54 66.4 37.8 56.6#

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#8

Nitrobenzene

Concen: 9.06 ng

RT: 8.89 min Scan# 425

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

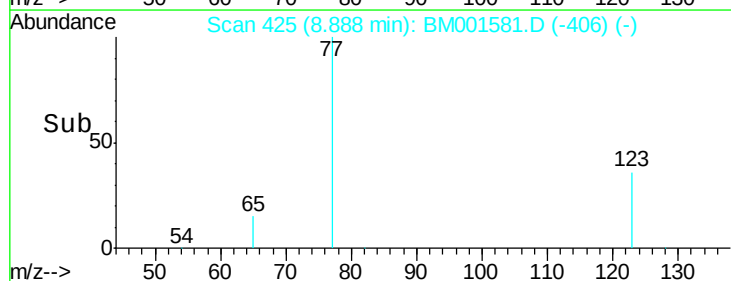
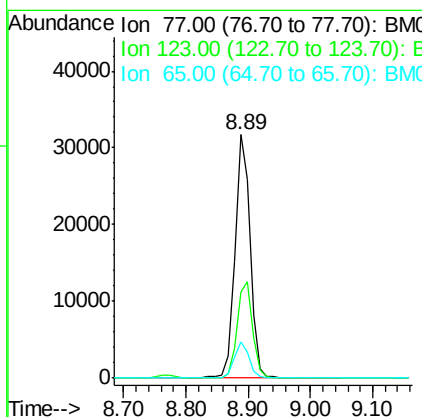
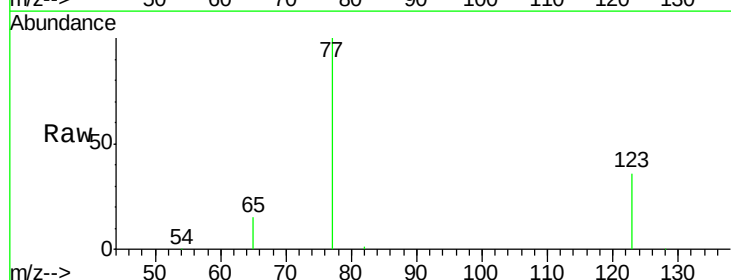
Tgt Ion: 77 Resp: 53453

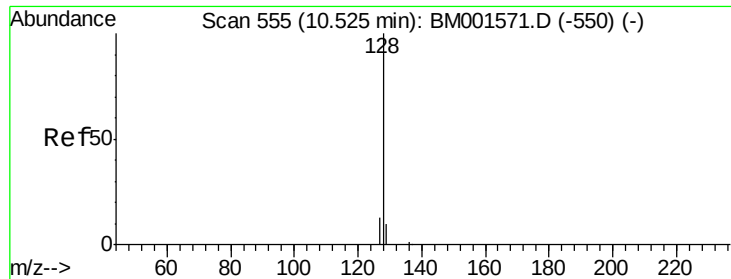
Ion Ratio Lower Upper

77 100

123 40.5 31.7 47.5

65 14.6 11.4 17.0





#9

Naphthalene

Concen: 7.98 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001581.D

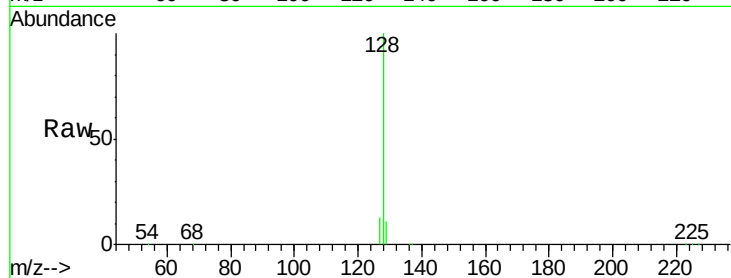
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

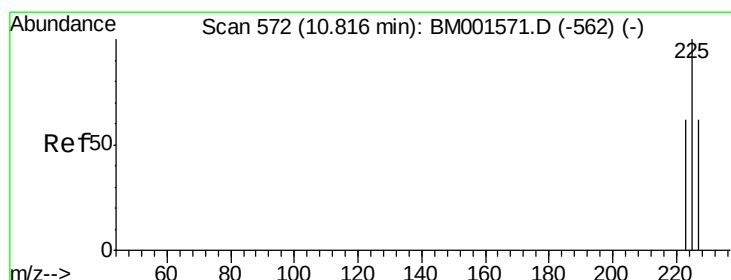
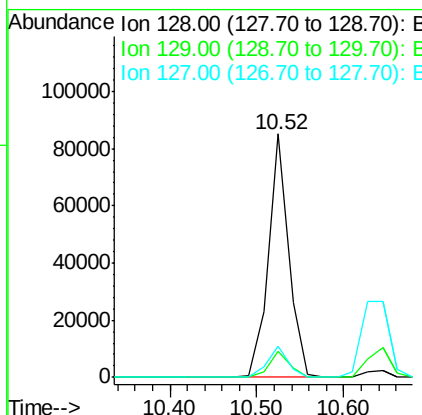
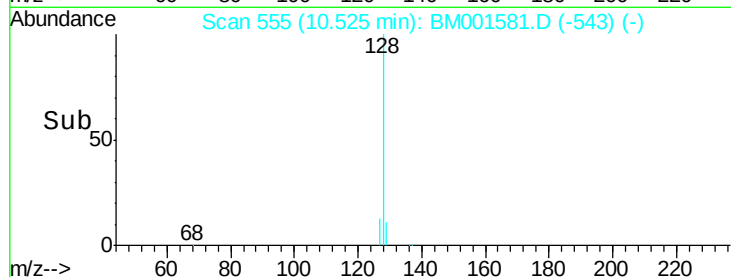
PB83718BS



Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.7	10.7	16.1

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#10

Hexachlorobutadiene

Concen: 8.04 ng

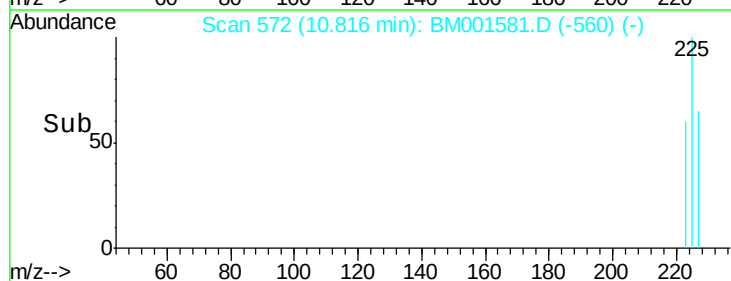
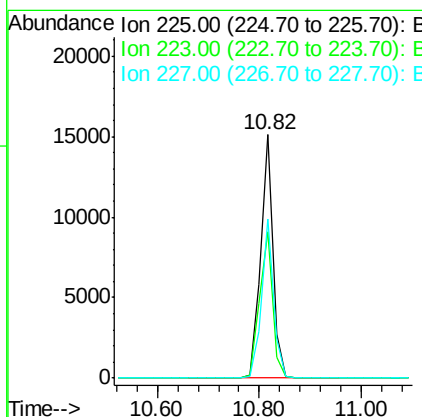
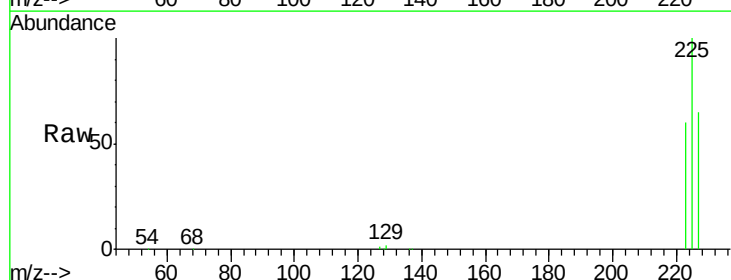
RT: 10.82 min Scan# 572

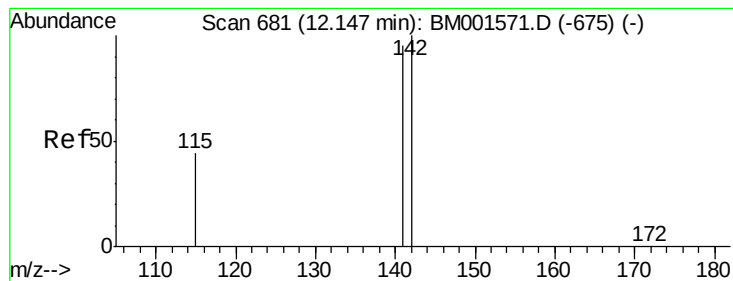
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

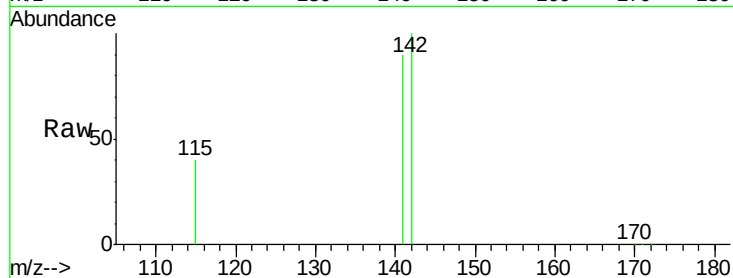
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.4	75.6
227	63.6	50.8	76.2





#11
 2-Methylnaphthalene
 Concen: 8.33 ng
 RT: 12.15 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

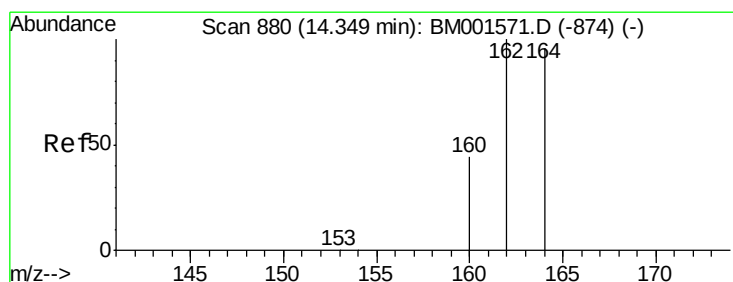
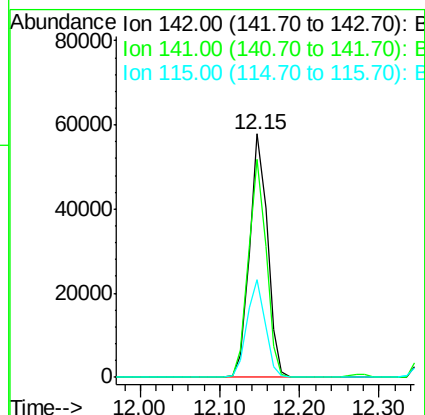
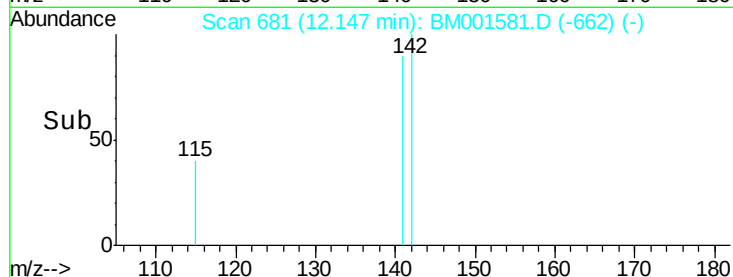
Instrument :
 BNA_M
 ClientSampleId :
 PB83718BS



Tgt Ion: 142 Resp: 90943
 Ion Ratio Lower Upper
 142 100
 141 89.5 75.6 113.4
 115 40.3 35.5 53.3

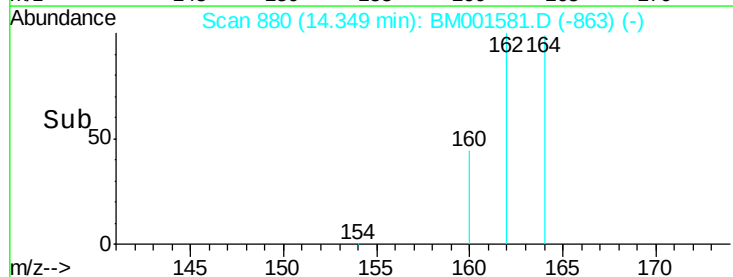
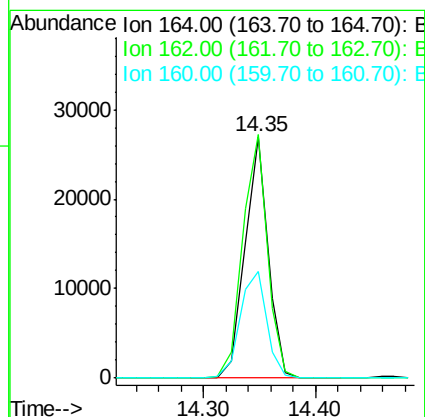
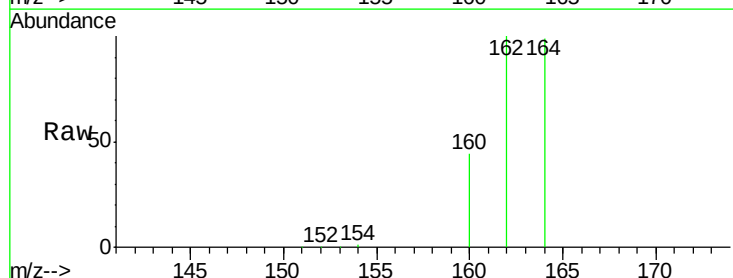
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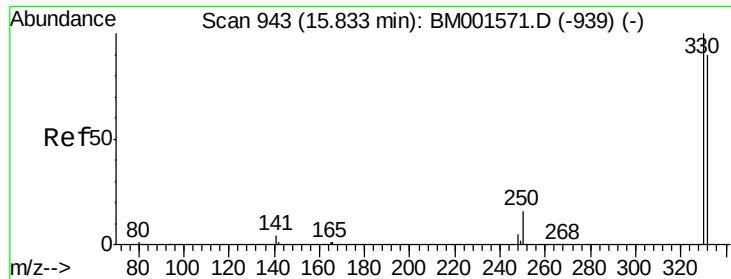
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#12
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.35 min Scan# 880
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

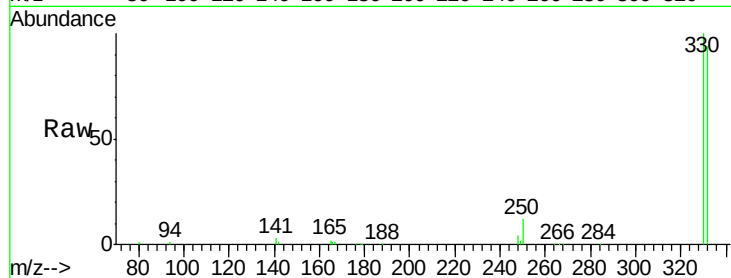
Tgt Ion: 164 Resp: 38918
 Ion Ratio Lower Upper
 164 100
 162 100.8 83.8 125.6
 160 44.4 37.1 55.7





#13
 2,4,6-Tribromophenol
 Concen: 14.81 ng
 RT: 15.83 min Scan# 943
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

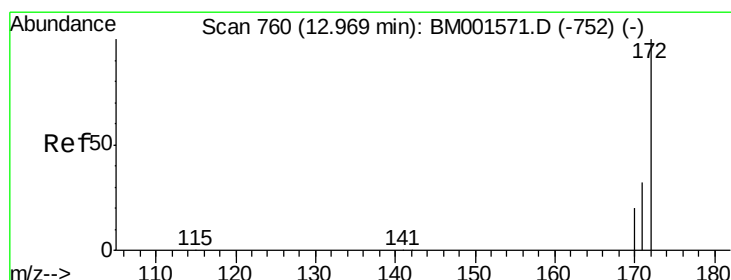
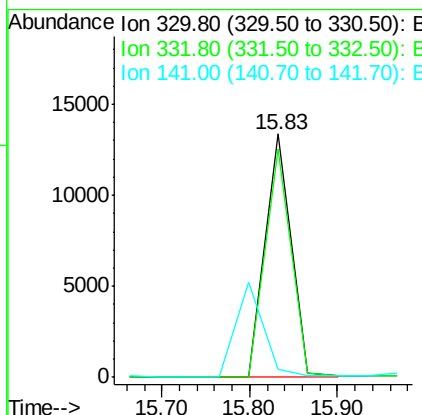
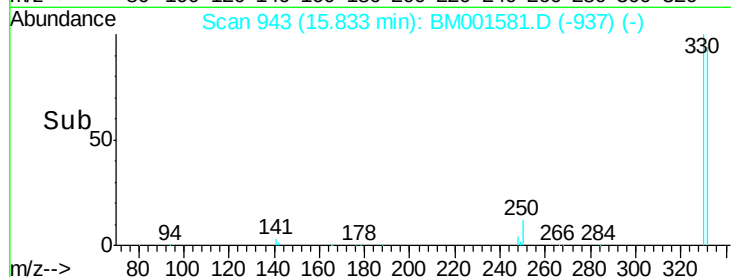
Instrument :
 BNA_M
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 PB83718BS



Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	72.0	108.0
141	0.0	0.0	0.0

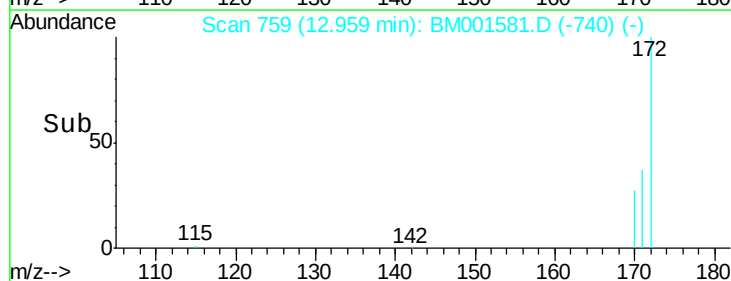
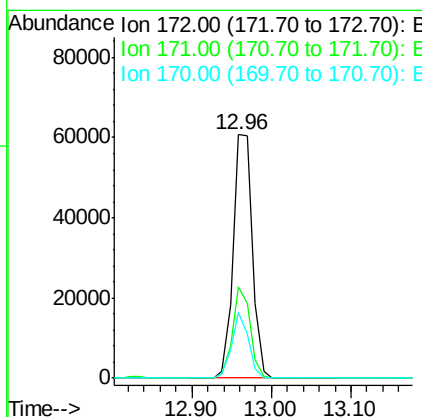
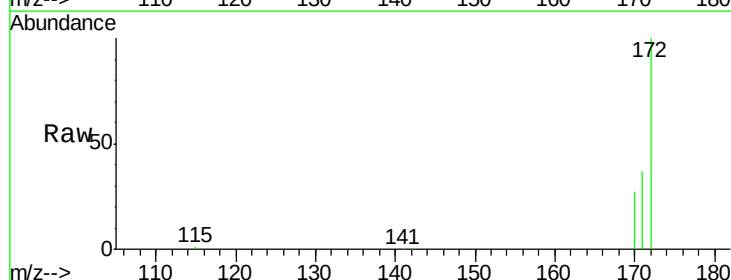
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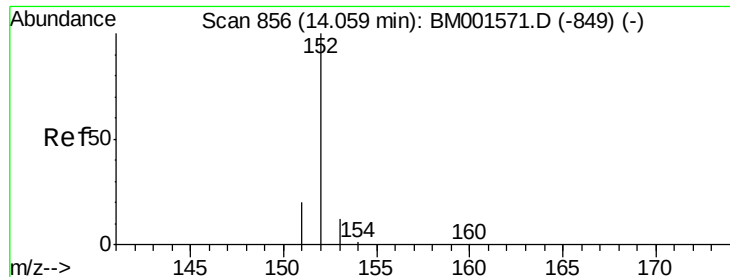
apatel
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#14
 2-Fluorobiphenyl
 Concen: 8.43 ng
 RT: 12.96 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	26.2	39.2
170	26.8	16.1	24.1





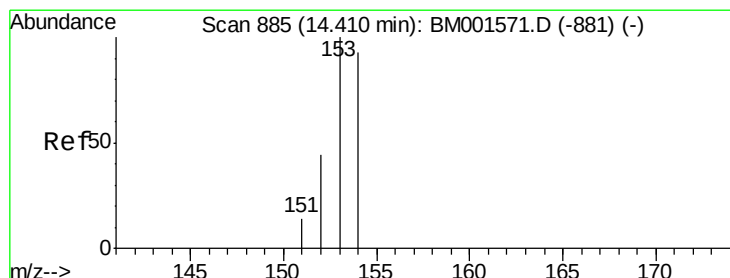
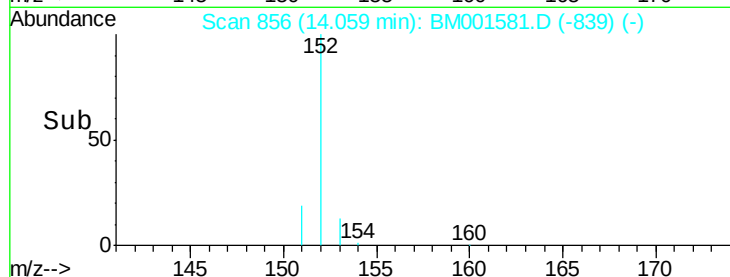
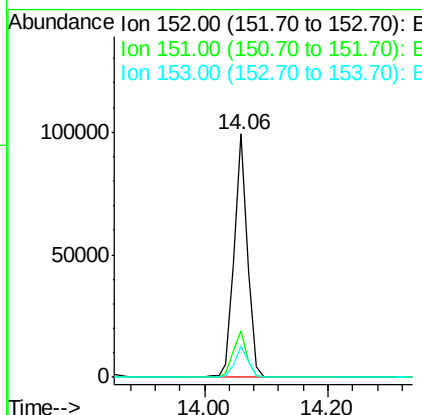
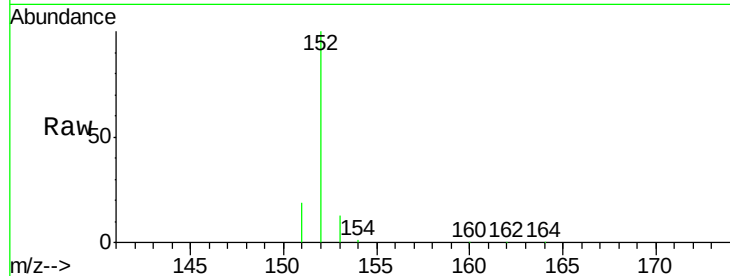
#15
Acenaphthylene
Concen: 8.60 ng
RT: 14.06 min Scan# 856
Delta R.T. -0.00 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53

Instrument :
BNA_M
ClientSampleId :
PB83718BS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	12.9	10.3	15.5

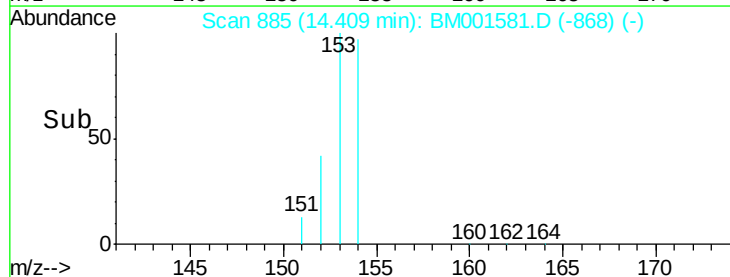
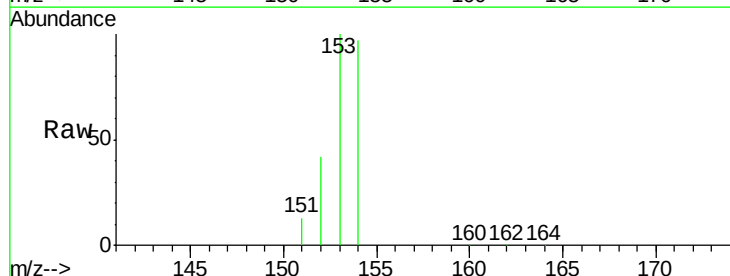
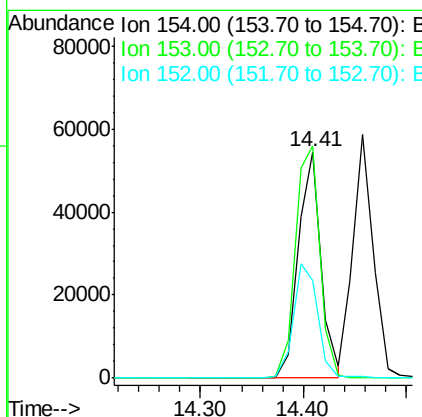
Manual Integrations
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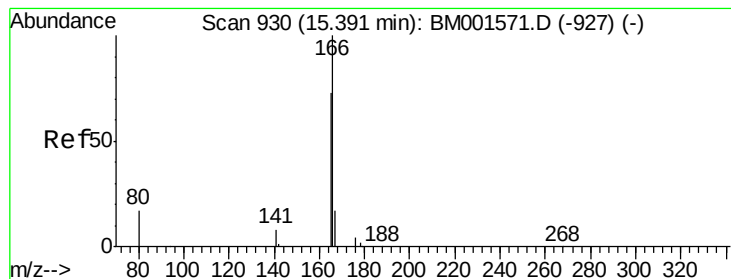
apatel
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#16
Acenaphthene
Concen: 7.96 ng
RT: 14.41 min Scan# 885
Delta R.T. -0.00 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.9	89.1	133.7
152	53.5	43.2	64.8





#17

Fluorene

Concen: 7.73 ng

RT: 15.36 min Scan# 929

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

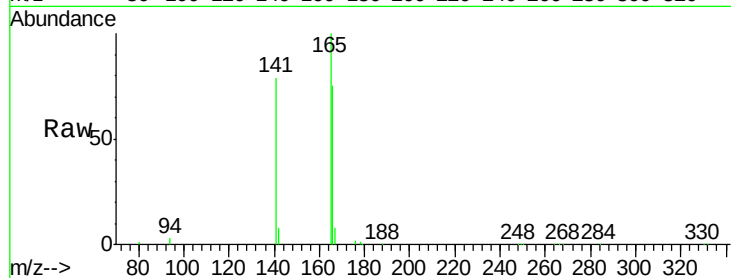
ClientSampleId :

PB83718BS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	0.0	0.0#
167	0.0	11.3	16.9#

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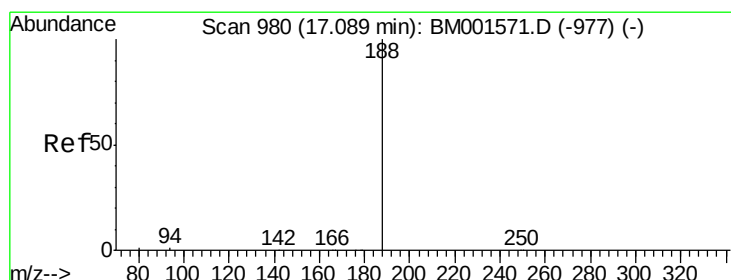
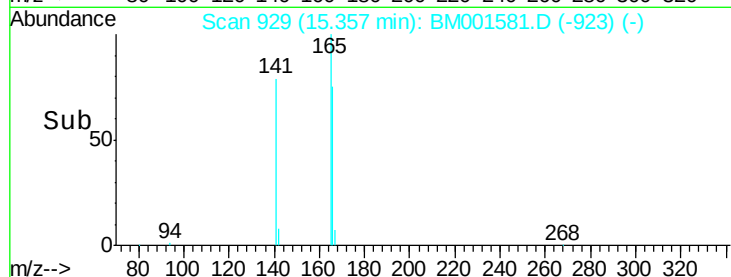
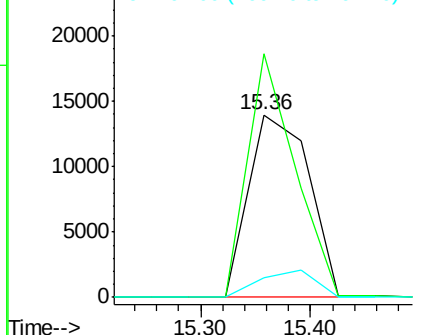


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.09 min Scan# 980

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

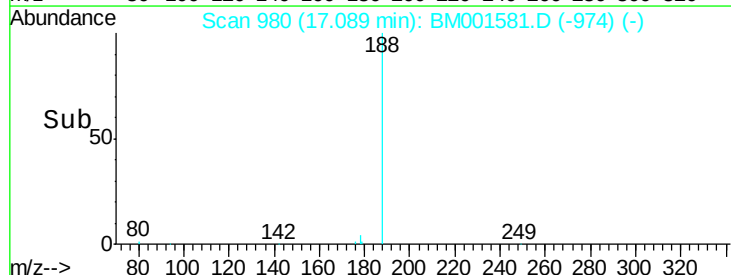
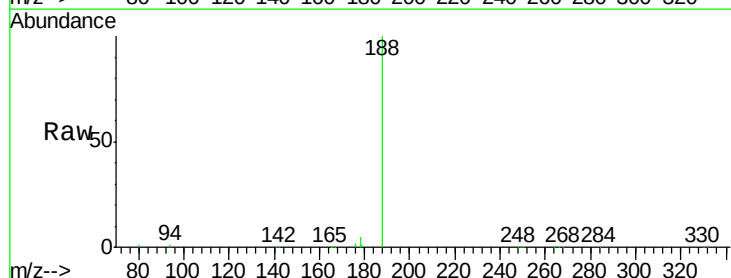
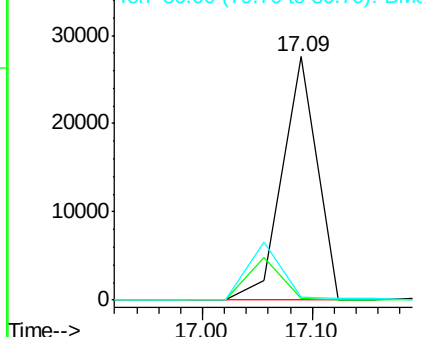
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.7	0.7	1.1#
80	1.2	0.6	1.0#

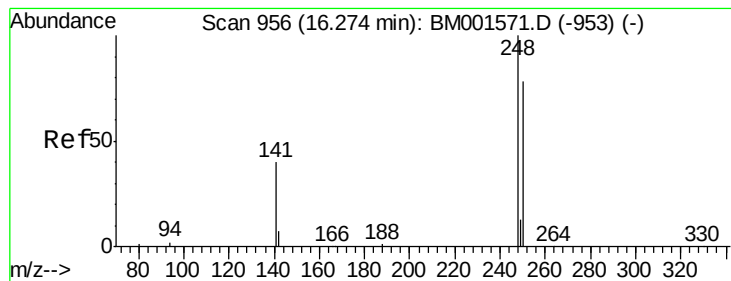
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#19

4-Bromophenyl-phenylether

Concen: 9.30 ng

RT: 16.27 min Scan# 956

Delta R.T. 0.00 min

Lab File: BM001581.D

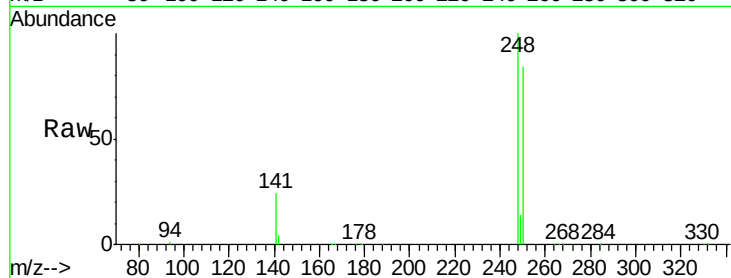
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

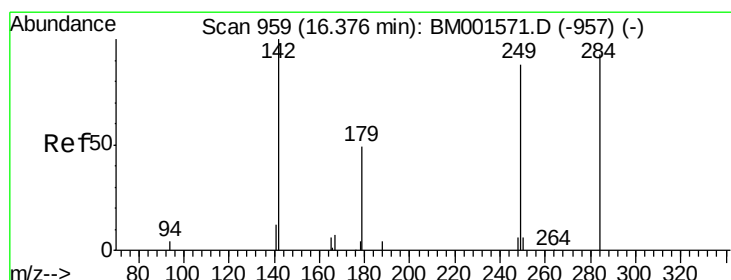
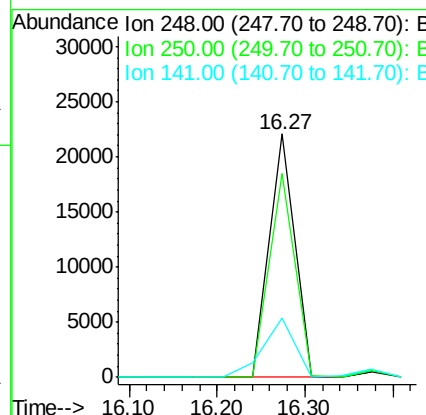
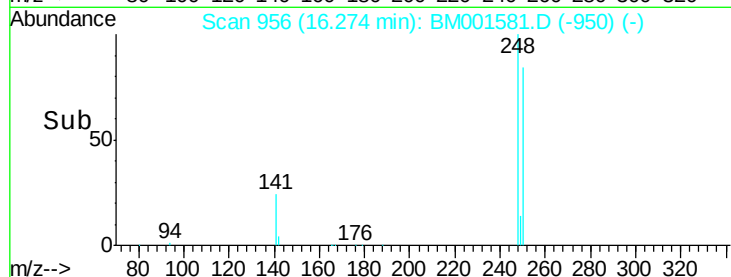
PB83718BS



Tgt Ion:	248	Resp:	45019
Ion Ratio	Lower	Upper	
248	100		
250	84.0	63.1	94.7
141	29.8	35.0	52.6

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#20

Hexachlorobenzene

Concen: 10.49 ng

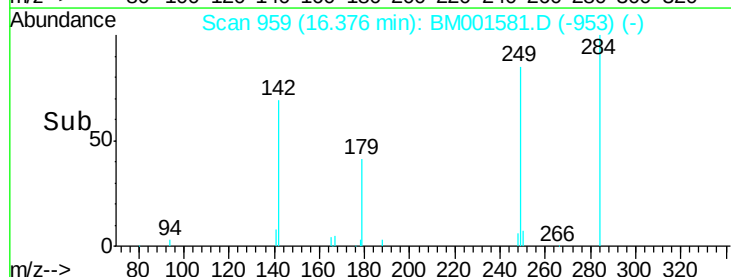
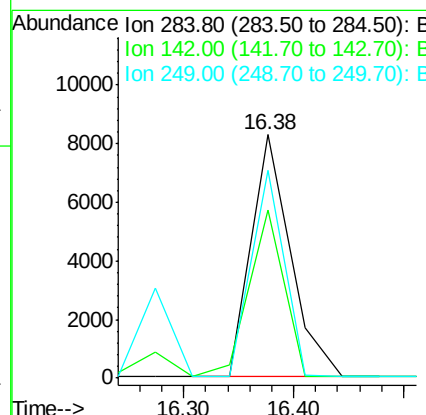
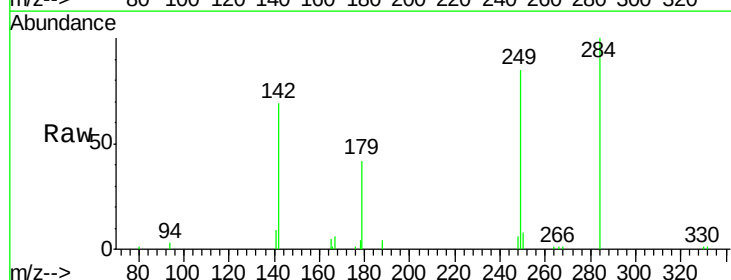
RT: 16.38 min Scan# 959

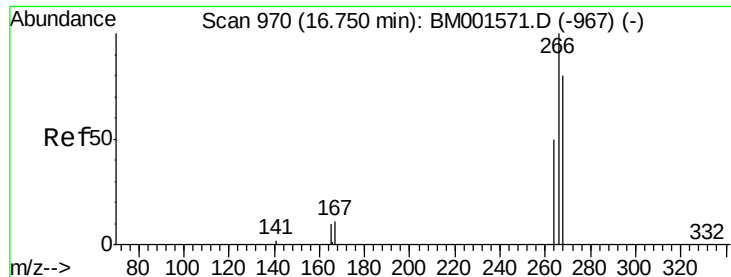
Delta R.T. 0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion:	284	Resp:	20270
Ion Ratio	Lower	Upper	
284	100		
142	69.6	64.2	96.2
249	71.3	55.4	83.0





#21

Pentachlorophenol

Concen: 122.60 ng

RT: 16.75 min Scan# 970

Delta R.T. 0.03 min

Lab File: BM001581.D

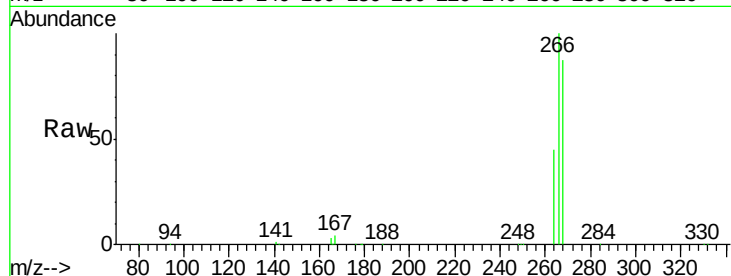
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

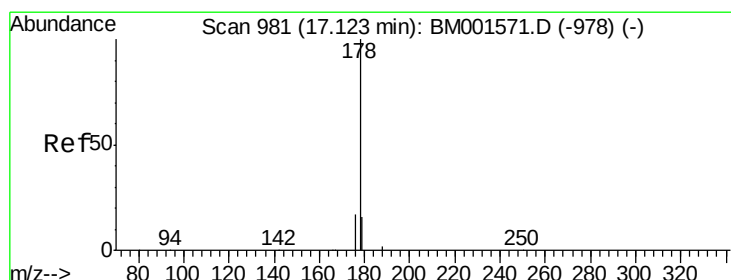
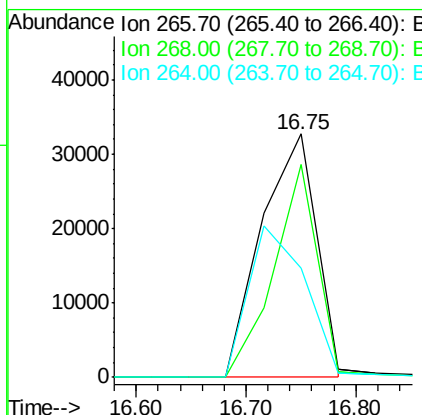
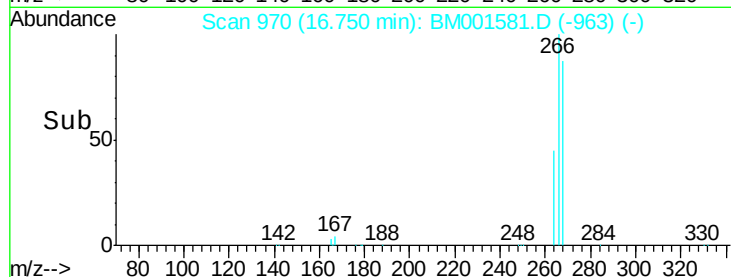
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Tgt Ion	Ratio	Resp	Lower	Upper
266	100	113769		
268	87.5	66.3	99.5	
264	44.8	45.5	68.3	

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#22

Phenanthrene

Concen: 8.54 ng

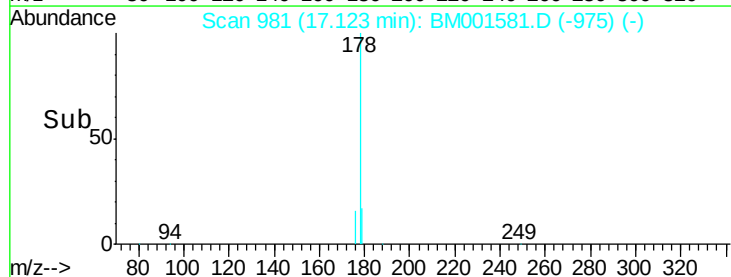
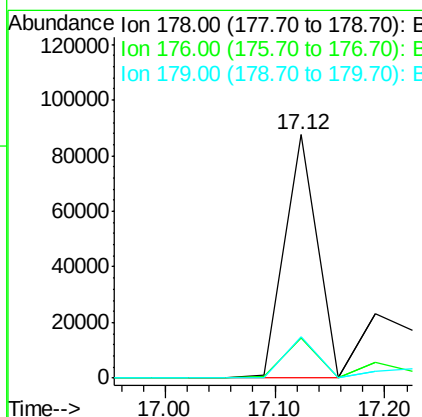
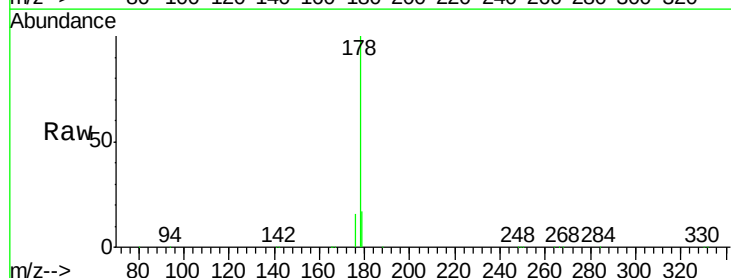
RT: 17.12 min Scan# 981

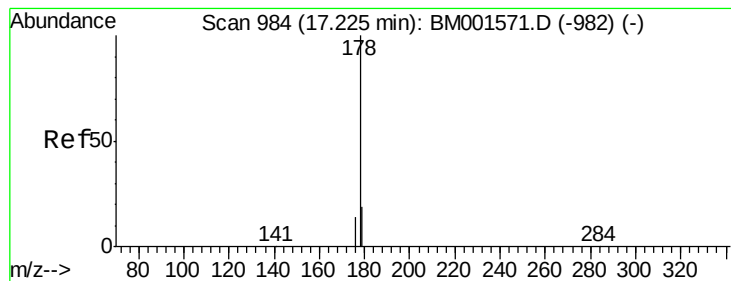
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	181011		
176	16.6	13.5	20.3	
179	16.7	13.3	19.9	





#23

Anthracene

Concen: 9.31 ng m

RT: 17.19 min Scan# 983

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

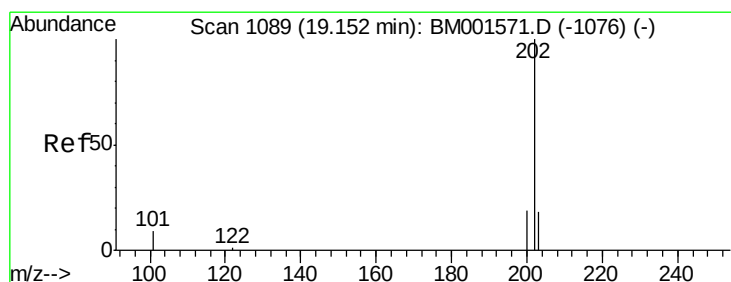
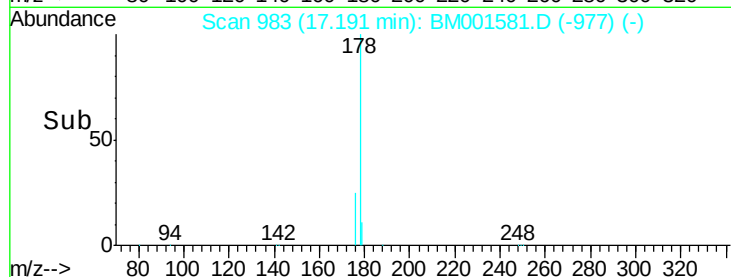
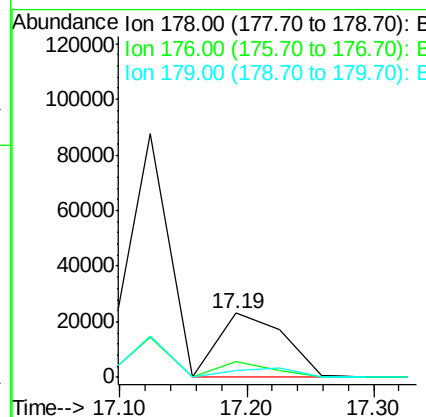
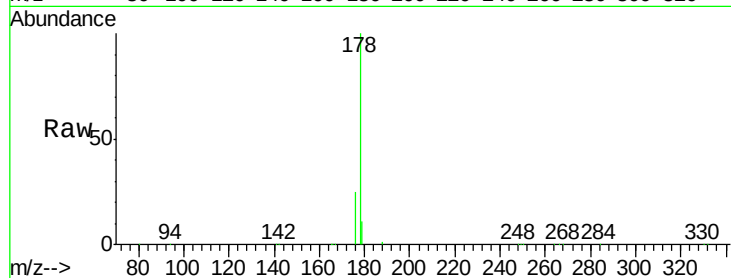
ClientSampleId :

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Tgt Ion:	178	Resp:	83129
Ion Ratio	Lower	Upper	
178	100		
176	55.9	45.9	68.9
179	52.1	33.3	49.9



#24

Fluoranthene

Concen: 10.43 ng

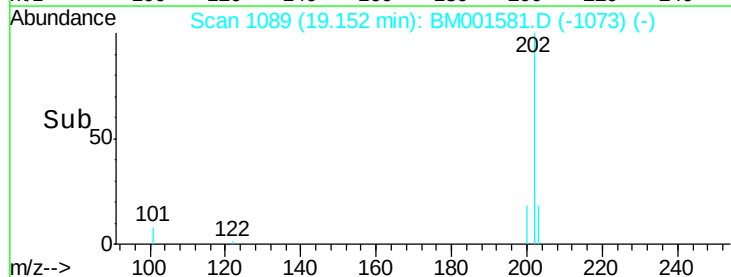
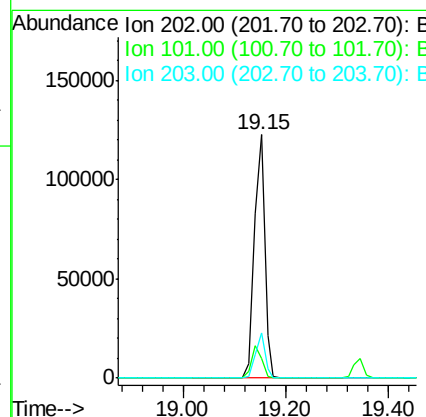
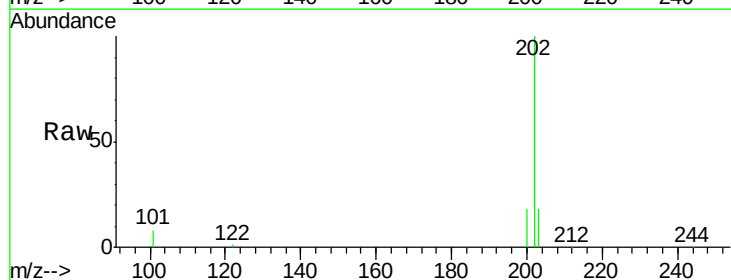
RT: 19.15 min Scan# 1089

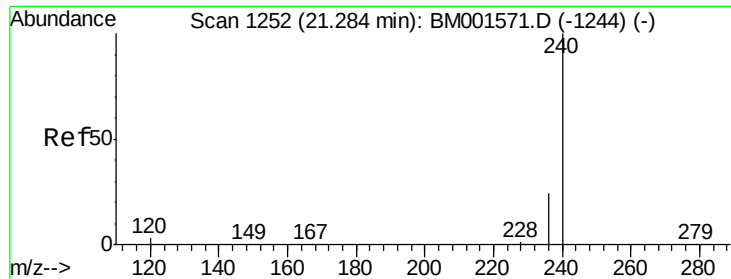
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion:	202	Resp:	171981
Ion Ratio	Lower	Upper	
202	100		
101	12.9	10.0	15.0
203	17.2	13.9	20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BM001581.D

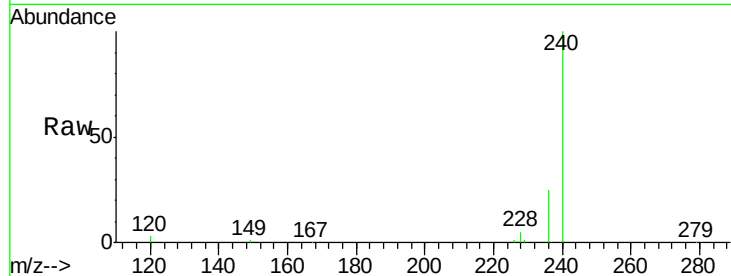
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

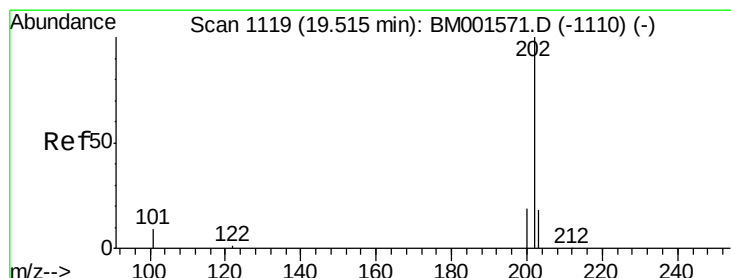
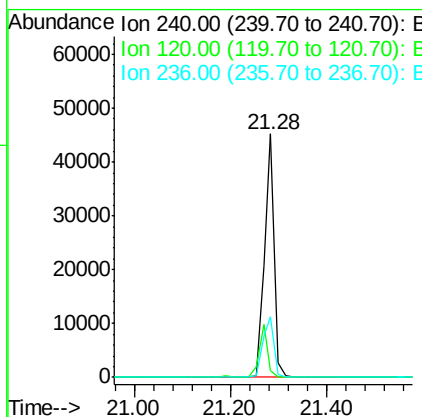
PB83718BS



Tgt Ion:	240	Resp:	64406
Ion Ratio	Lower	Upper	
240	100		
120	2.8	2.2	3.2
236	24.7	19.5	29.3

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#26

Pyrene

Concen: 8.97 ng

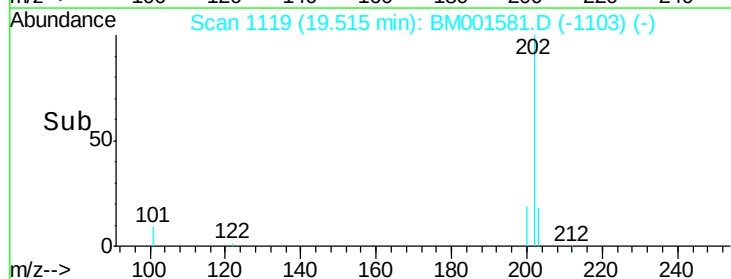
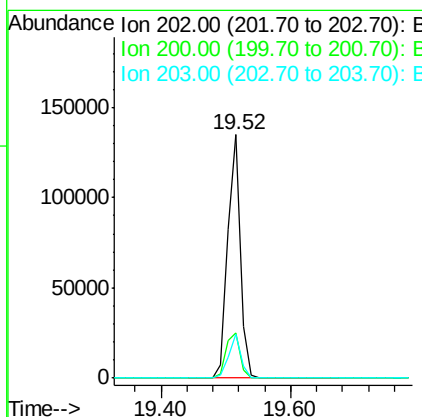
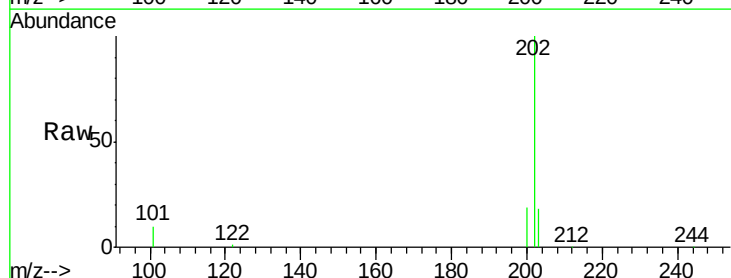
RT: 19.52 min Scan# 1119

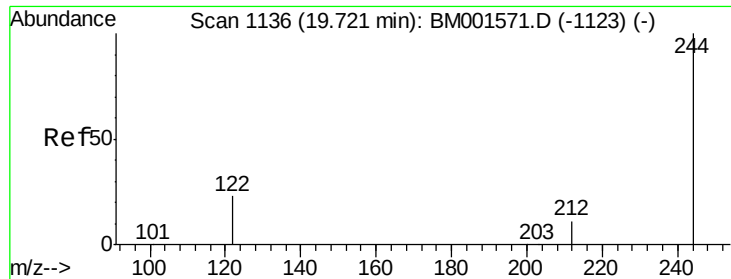
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Tgt Ion:	202	Resp:	185932
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	17.8	13.9	20.9





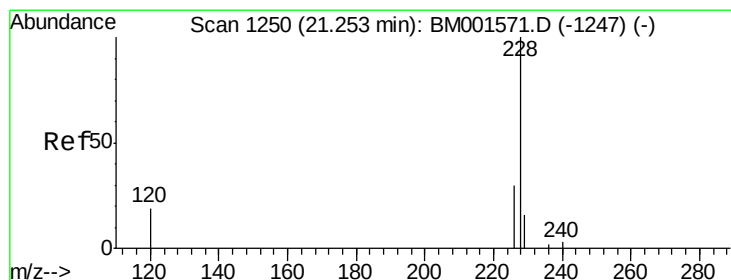
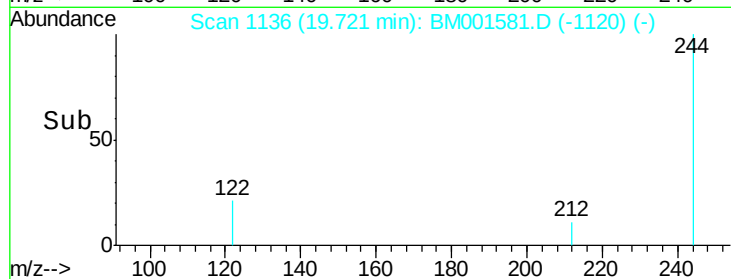
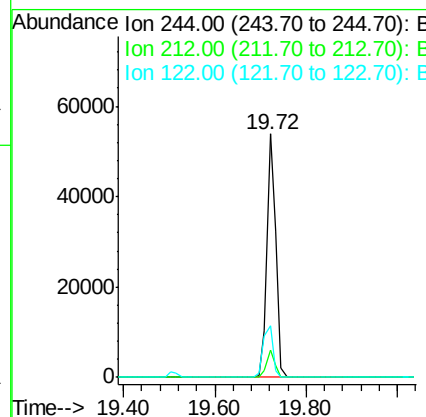
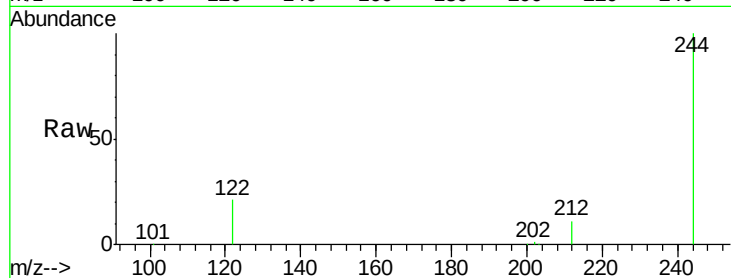
#27
 Terphenyl-d14
 Concen: 8.66 ng
 RT: 19.72 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.3	9.6	14.4
122	21.0	19.0	28.4

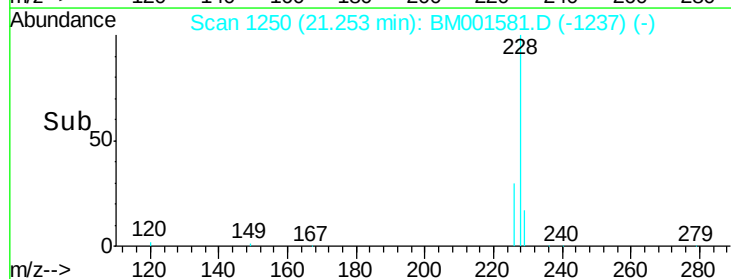
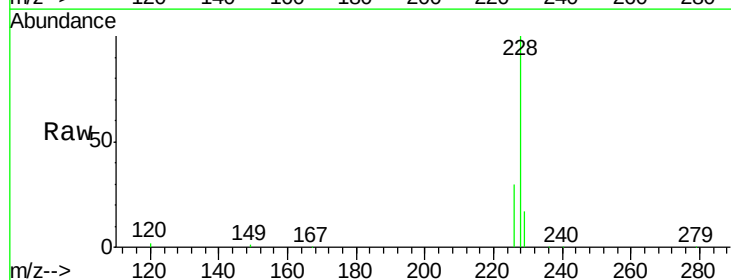
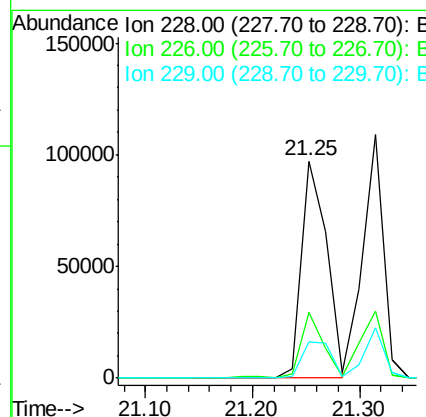
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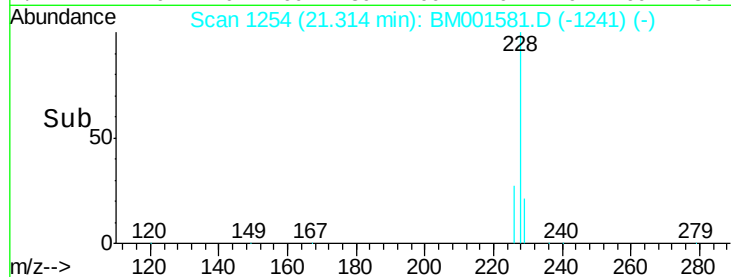
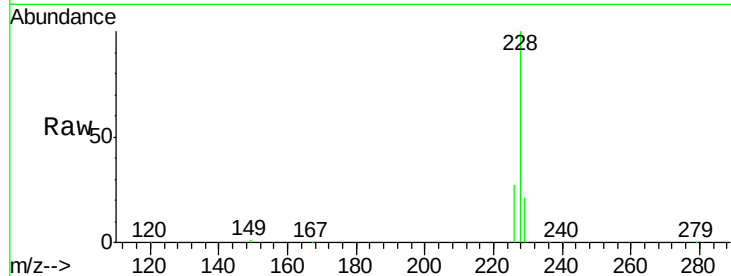
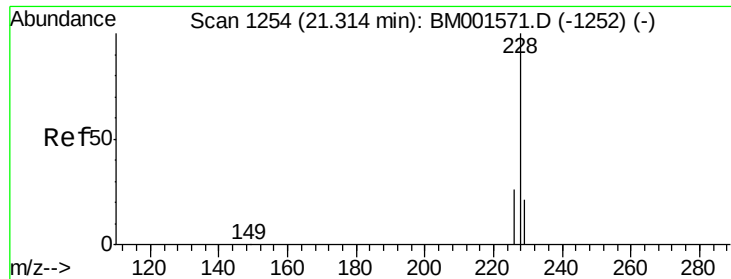
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#28
 Benzo(a)anthracene
 Concen: 8.66 ng
 RT: 21.25 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	16.9	13.4	20.0





#29

Chrysene

Concen: 8.45 ng

RT: 21.31 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

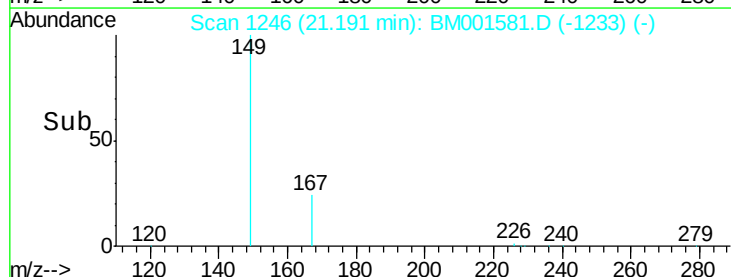
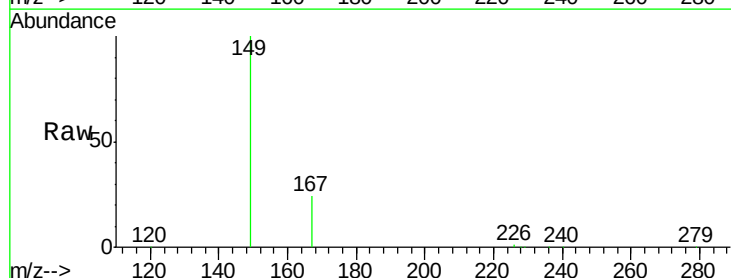
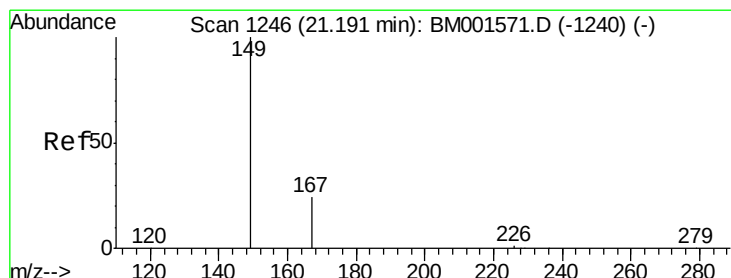
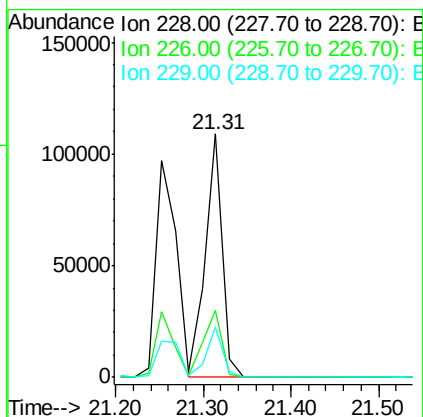
ClientSampleId :

PB83718BS

Tgt Ion:	228	Resp:	146444
Ion Ratio	Lower	Upper	
228	100		
226	27.5	21.0	31.6
229	20.6	17.2	25.8

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#30

Bis(2-ethylhexyl)phthalate

Concen: 10.45 ng

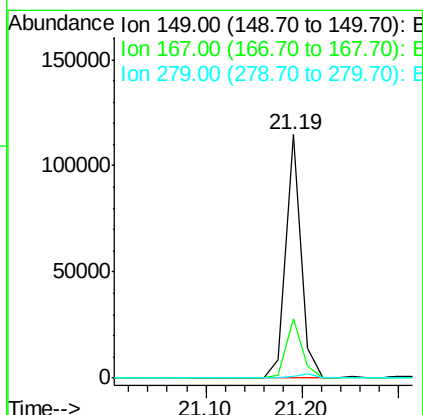
RT: 21.19 min Scan# 1246

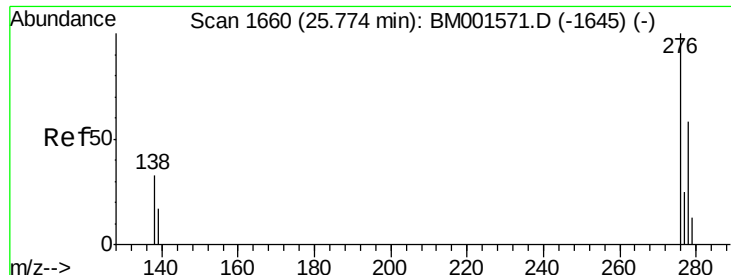
Delta R.T. -0.00 min

Lab File: BM001581.D

Acq: 06 Jun 2015 06:53

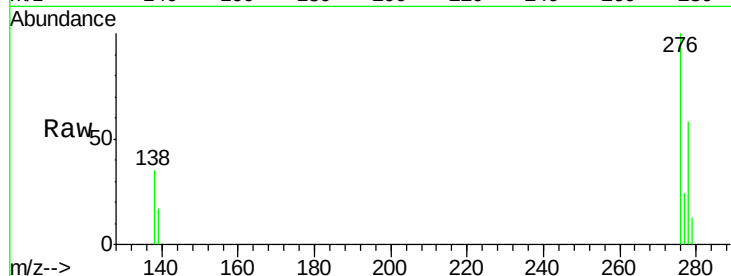
Tgt Ion:	149	Resp:	127736
Ion Ratio	Lower	Upper	
149	100		
167	25.3	20.2	30.2
279	2.0	1.8	2.6





#31
Indeno(1,2,3-cd)pyrene
Concen: 7.02 ng
RT: 25.77 min Scan# 1660
Delta R.T. 0.01 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53

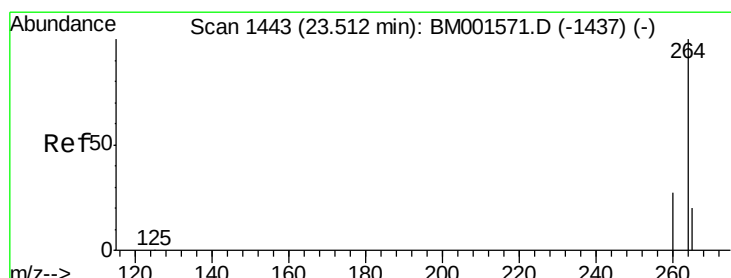
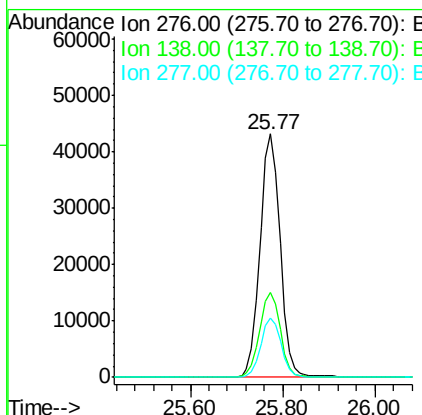
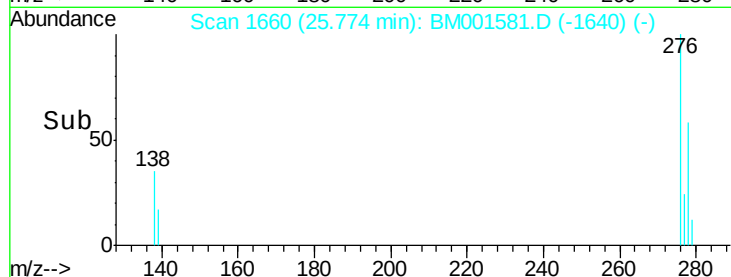
Instrument :
BNA_M
ClientSampleId :
PB83718BS



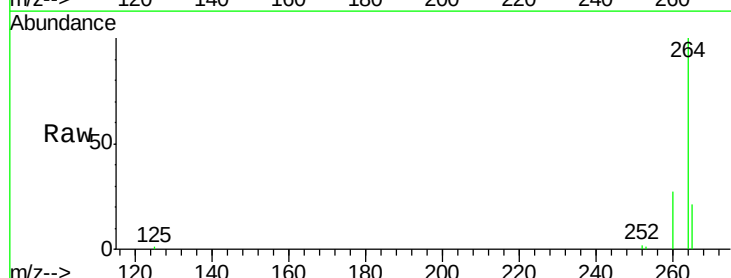
Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	35.8	28.0	42.0
277	24.6	19.7	29.5

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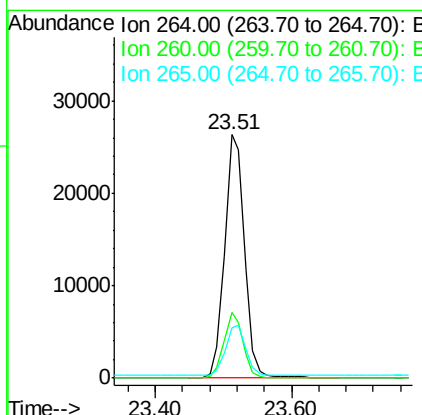
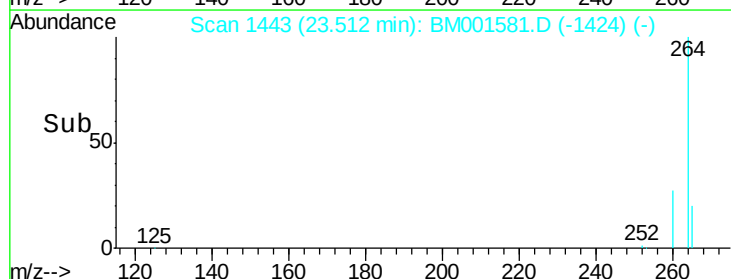
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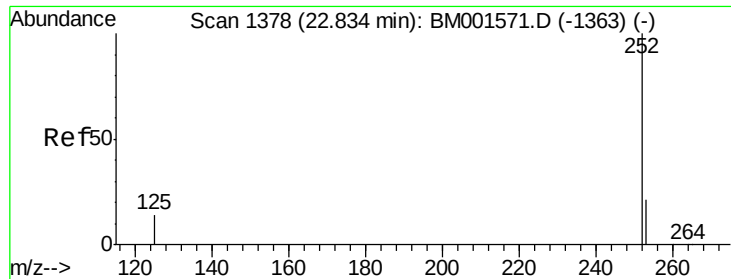


#32
Perylene-d12
Concen: 5.00 ng
RT: 23.51 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53



Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	27.1	21.6	32.4
265	20.9	16.5	24.7





#33

Benzo(b)fluoranthene

Concen: 9.37 ng

RT: 22.83 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BM001581.D

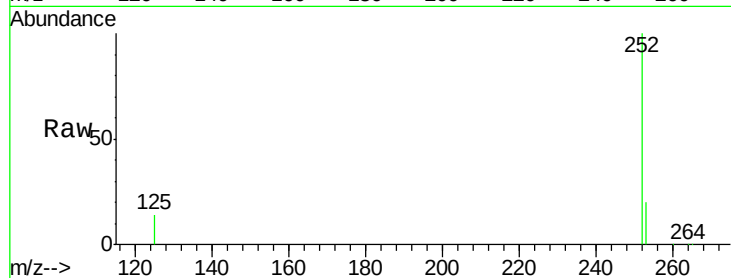
Acq: 06 Jun 2015 06:53

Instrument :

BNA_M

ClientSampleId :

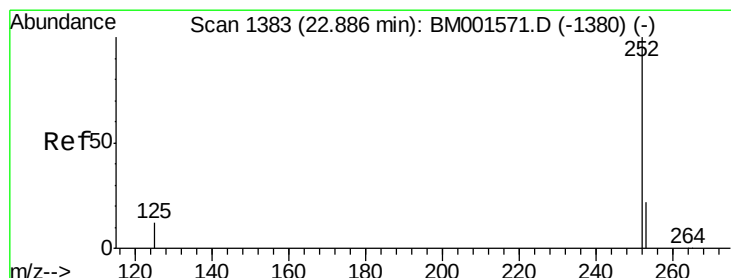
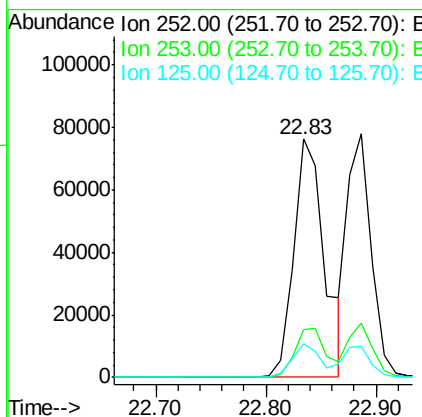
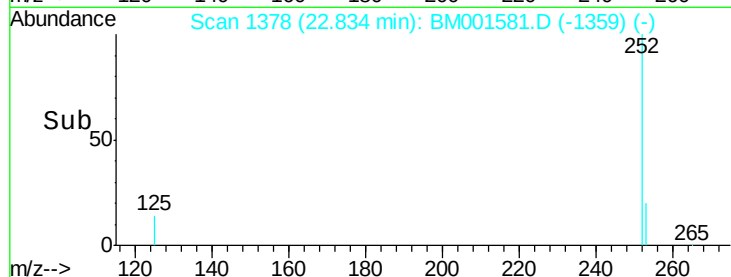
PB83718BS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.4	26.2
125	14.4	11.8	17.8

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#34

Benzo(k)fluoranthene

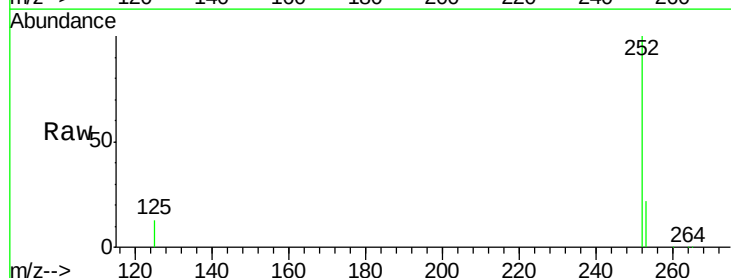
Concen: 8.19 ng

RT: 22.89 min Scan# 1383

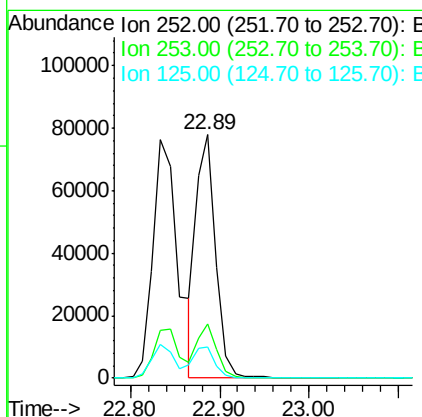
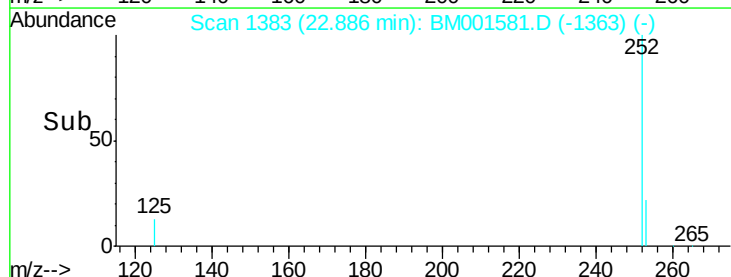
Delta R.T. 0.01 min

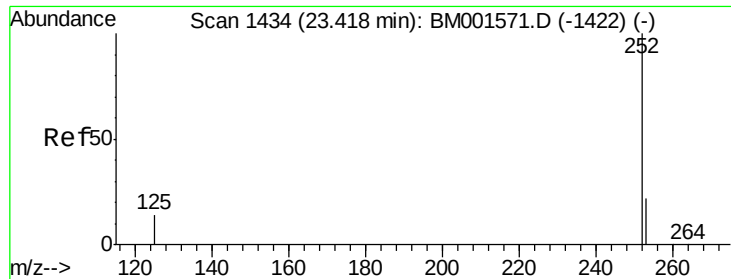
Lab File: BM001581.D

Acq: 06 Jun 2015 06:53



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.8	28.2
125	12.7	10.7	16.1





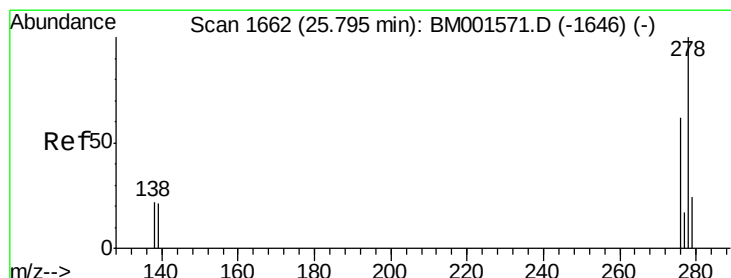
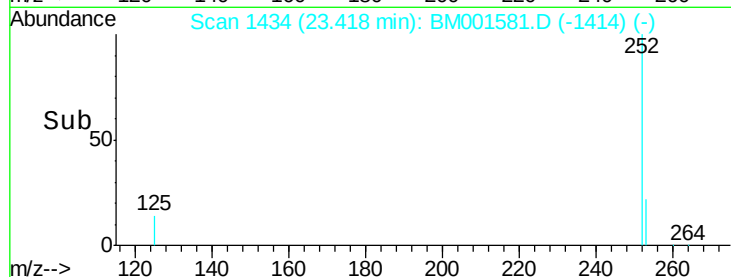
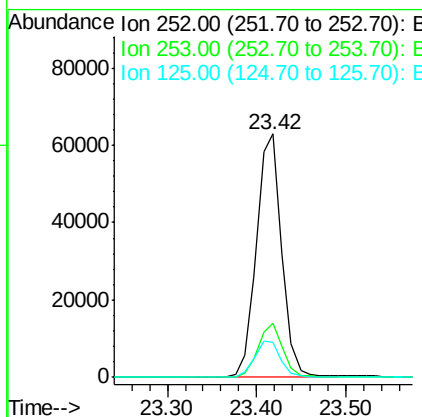
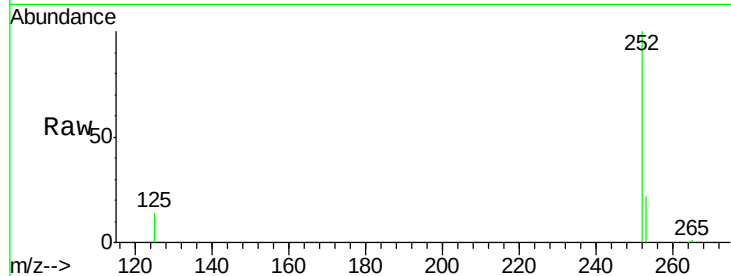
#35
Benzo(a)pyrene
Concen: 8.99 ng
RT: 23.42 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53

Instrument :
BNA_M
ClientSampleId :
PB83718BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.3	18.8	28.2
125	14.2	12.1	18.1

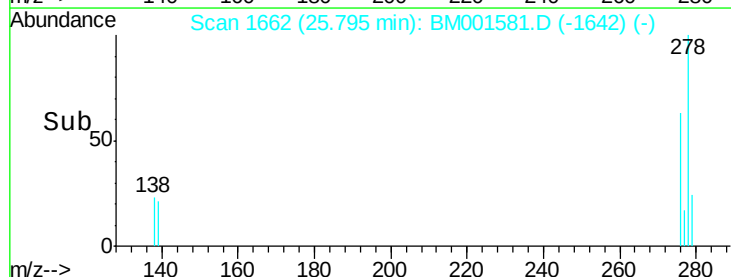
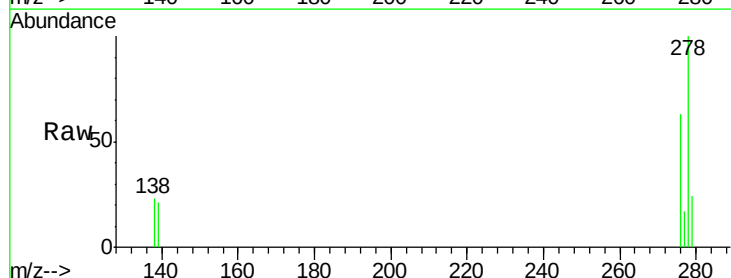
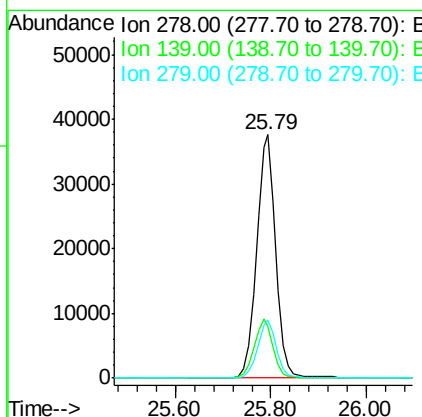
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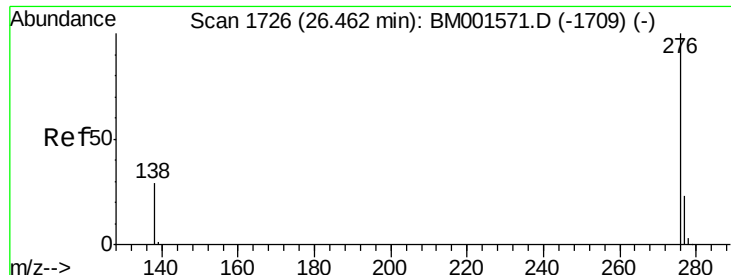
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#36
Dibenzo(a,h)anthracene
Concen: 7.81 ng
RT: 25.79 min Scan# 1662
Delta R.T. 0.01 min
Lab File: BM001581.D
Acq: 06 Jun 2015 06:53

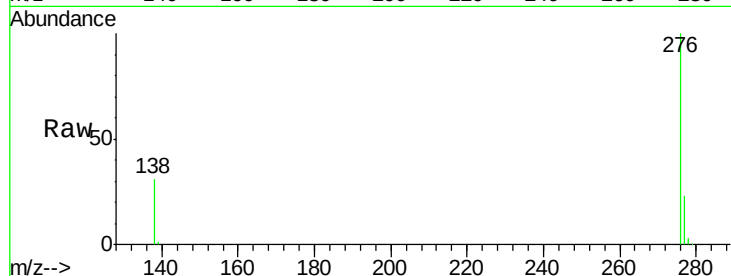
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	21.2	17.4	26.0
279	24.0	20.0	30.0





#37
 Benzo(g,h,i)perylene
 Concen: 7.68 ng
 RT: 26.46 min Scan# 1726
 Delta R.T. -0.00 min
 Lab File: BM001581.D
 Acq: 06 Jun 2015 06:53

Instrument :
 BNA_M
 ClientSampleId :
 PB83718BS



Tgt Ion:	276	Resp:	108514
Ion Ratio		Lower	Upper
276	100		
277	23.2	19.2	28.8
138	30.5	23.7	35.5

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