

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
 Data File : BM004568.D
 Acq On : 05 Mar 2016 22:19
 Operator : SJ/UM
 Sample : PB88683BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88683BS

Manual Integrations
 APPROVED

UMANGI
 3/7/2016 12:36:54 PM

Quant Time: Mar 07 08:01:12 2016

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030516.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 07 07:54:56 2016

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	24654	5.00	ng	0.00
7) Naphthalene-d8	10.05	136	94397	5.00	ng	-0.02
13) Acenaphthene-d10	13.96	164	49485	5.00	ng	-0.02
19) Phenanthrene-d10	16.74	188	101650	5.00	ng	0.00
25) Chrysene-d12	20.97	240	104238	5.00	ng	-0.01
34) Perylene-d12	23.09	264	94932	5.00	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	4.99	112	43383	7.43	ng	-0.02
5) Phenol-d6	6.61	99	55462	7.92	ng	-0.02
8) Nitrobenzene-d5	8.46	82	23356	4.63	ng	-0.01
14) 2,4,6-Tribromophenol	15.49	330	13954	7.50	ng	-0.02
15) 2-Fluorobiphenyl	12.58	172	76777	4.83	ng	0.00
28) Terphenyl-d14	19.40	244	64174	4.08	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.87	88	9408	4.01	ng	# 100
3) n-Nitrosodimethylamine	3.18	42	7933	4.18	ng	# 100
6) bis(2-Chloroethyl)ether	6.75	93	23872	4.02	ng	# 13
9) Nitrobenzene	8.50	77	23750	4.23	ng	# 100
10) Naphthalene	10.10	128	95970	4.43	ng	# 98
11) Hexachlorobutadiene	10.39	225	16096	3.95	ng	# 100
12) 2-Methylnaphthalene	11.74	142	66606	4.42	ng	# 92
16) Acenaphthylene	13.67	152	104569	4.22	ng	# 41
17) Acenaphthene	14.02	154	66264	4.58	ng	# 58
18) Fluorene	15.04	166	76133	3.95	ng	# 77
20) Hexachlorobenzene	16.05	284	25042	6.39	ng	# 100
21) Pentachlorophenol	16.46	266	5511	8.23	ng	# 89
22) Phenanthrene	16.76	178	136669	6.50	ng	# 100
23) Anthracene	16.86	178	136668	5.23	ng	# 100
24) Fluoranthene	18.82	202	151607	5.39	ng	# 97
26) Benzidine	19.04	184	39046m	4.59	ng	#
27) Pyrene	19.18	202	156371	4.18	ng	# 84
29) Benzo(a)anthracene	20.95	228	145830m	4.49	ng	#
30) 3,3'-Dichlorobenzidine	20.91	252	42063	3.29	ng	# 89
31) Chrysene	21.01	228	129220	3.91	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.89	149	100132	4.18	ng	# 55
33) Indeno(1,2,3-cd)pyrene	25.14	276	133033	4.06	ng	# 81
35) Benzo(a)pyrene	22.99	252	127396	4.37	ng	# 97
36) Dibenzo(a,h)anthracene	25.15	278	105129	4.33	ng	# 97
37) Benzo(g,h,i)perylene	25.78	276	114850	4.28	ng	# 97

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

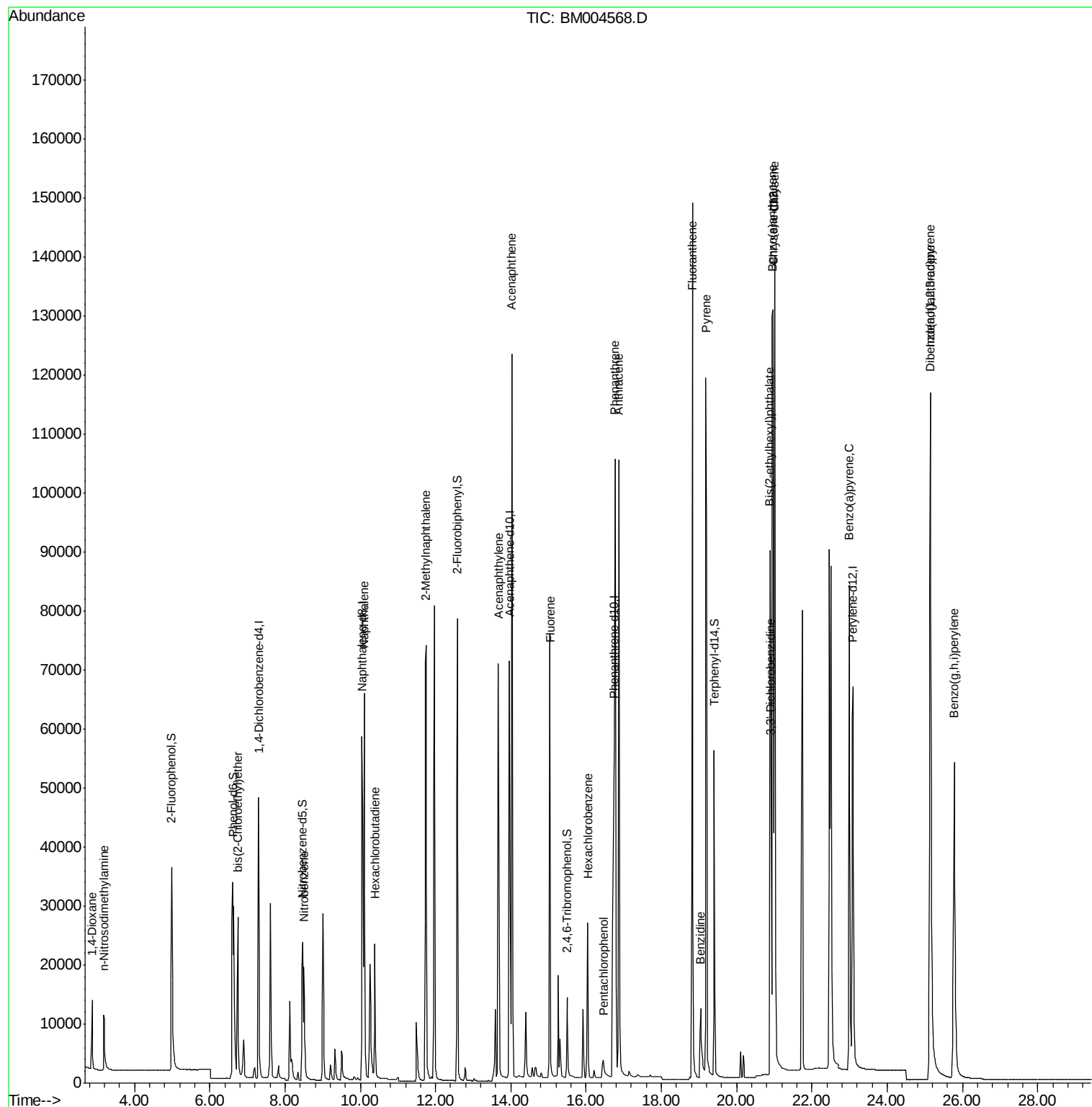
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030516\
Data File : BM004568.D
Acq On : 05 Mar 2016 22:19
Operator : SJ/UM
Sample : PB88683BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

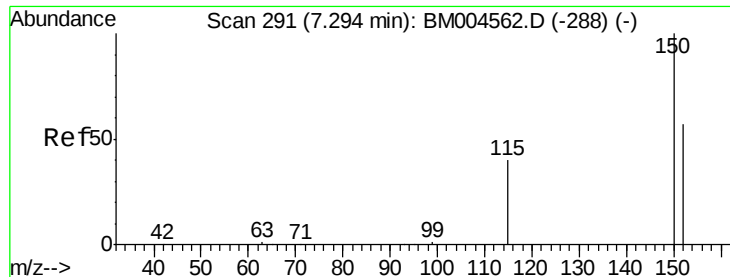
Instrument :
BNA_M
ClientSampleId :
PB88683BS

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM

Quant Time: Mar 07 08:01:12 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 07 07:54:56 2016
Response via : Initial Calibration

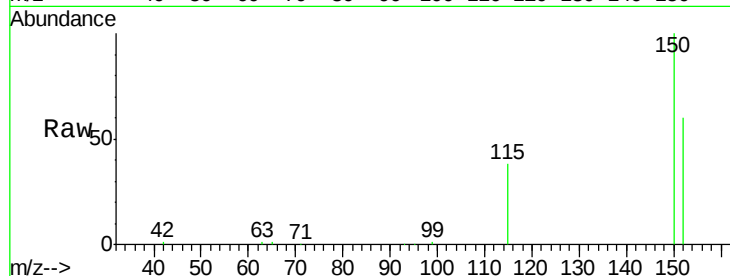




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.29 min Scan# 291
Delta R.T. 0.00 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

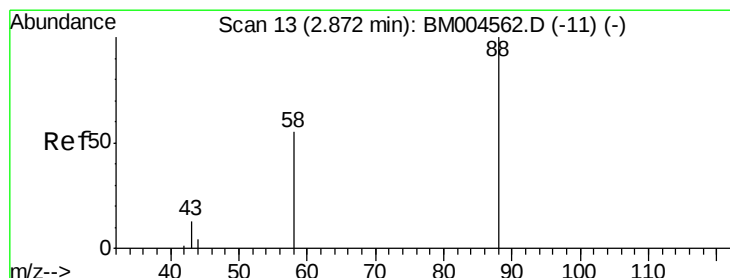
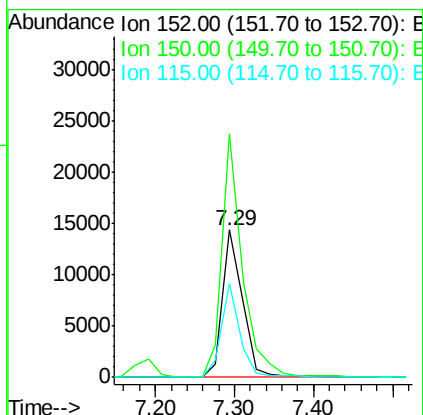
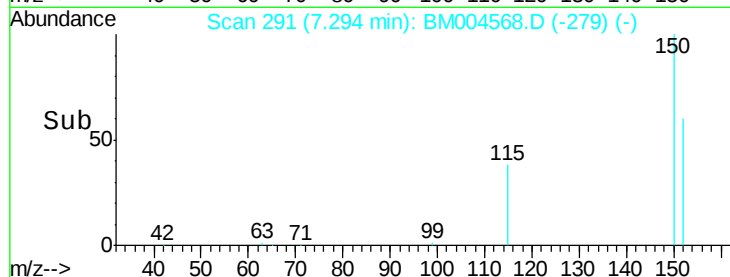
Instrument :
BNA_M
ClientSampleId :
PB88683BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.4	140.1	210.1
115	63.3	56.1	84.1

Manual Integrations
APPROVED

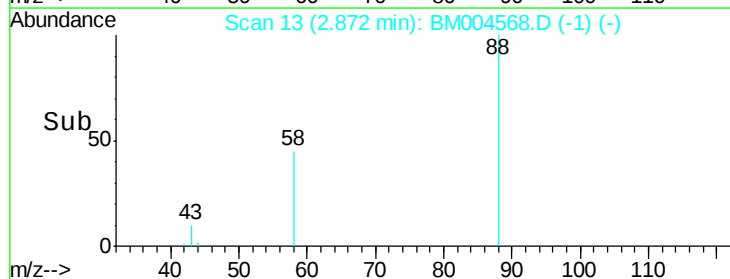
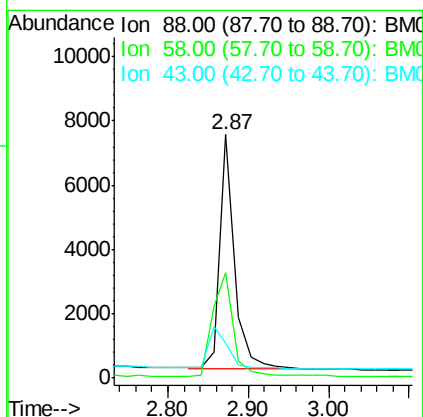
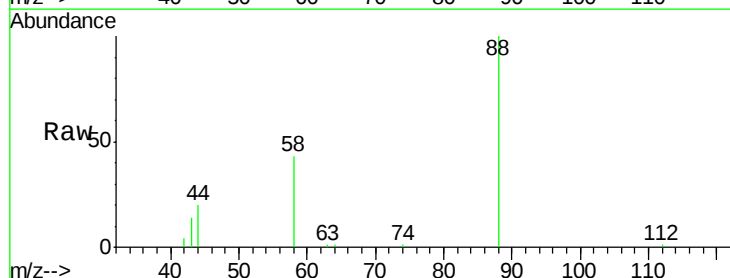
UMANGI
3/7/2016 12:36:54 PM

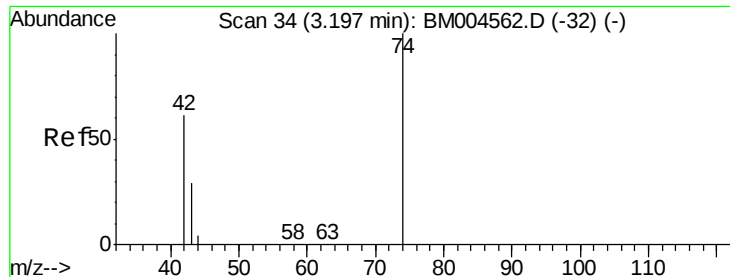


#2

1,4-Dioxane
Concen: 4.01 ng
RT: 2.87 min Scan# 13
Delta R.T. 0.00 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.7	0.0	0.0#
43	24.5	0.0	0.0#





#3

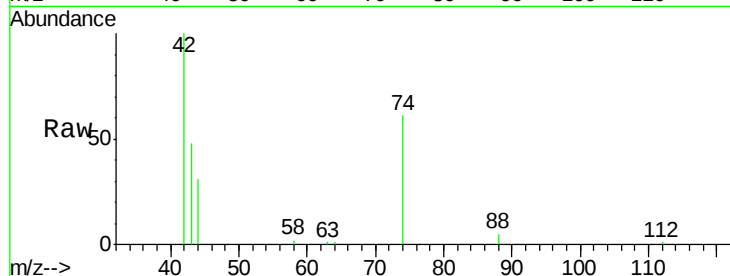
n-Nitrosodimethylamine
Concen: 4.18 ng
RT: 3.18 min Scan# 33
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Lower	Upper
42	100		
74	155.4	0.0	0.0#
44	7.3	0.0	0.0#

Manual Integrations
APPROVED

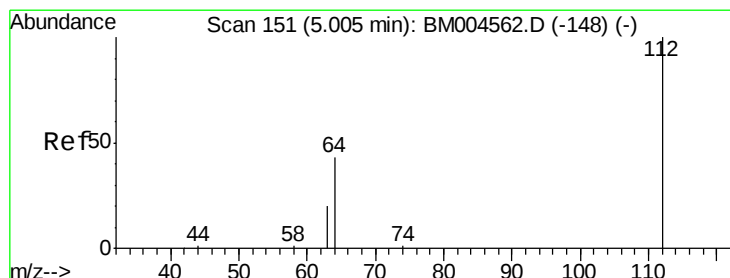
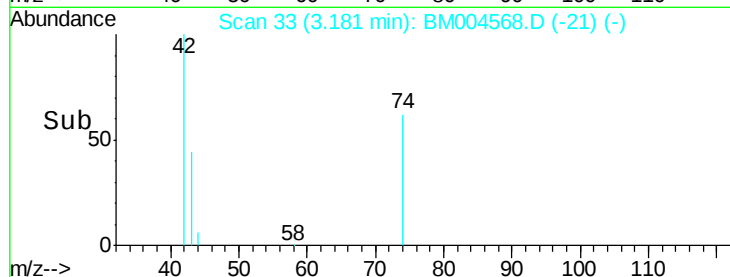
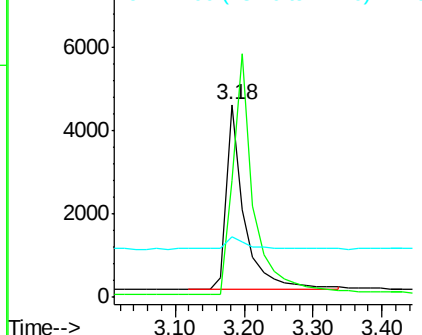
UMANGI
3/7/2016 12:36:54 PM



Abundance Ion 42.00 (41.70 to 42.70): BM004568.D (-32) (-)

Ion 74.00 (73.70 to 74.70): BM004568.D (-32) (-)

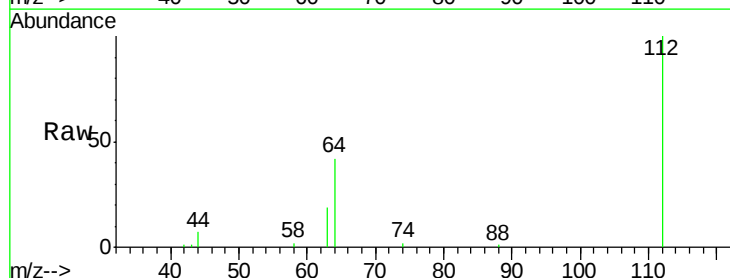
Ion 44.00 (43.70 to 44.70): BM004568.D (-32) (-)



#4

2-Fluorophenol
Concen: 7.43 ng
RT: 4.99 min Scan# 150
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

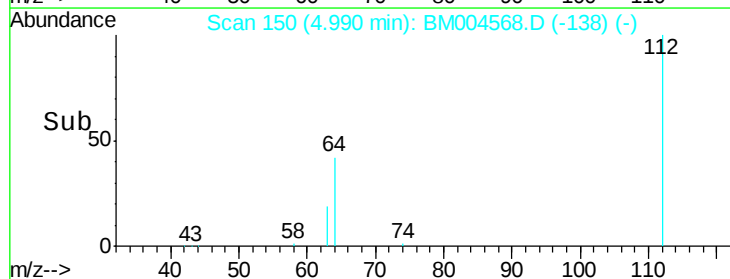
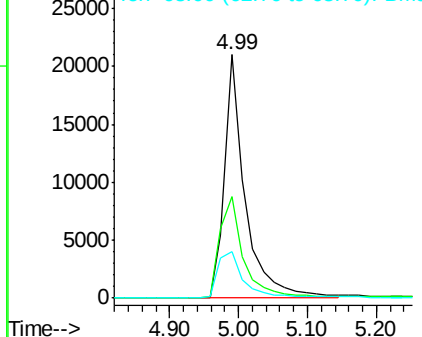
Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	0.0	0.0#
63	23.4	0.0	0.0#

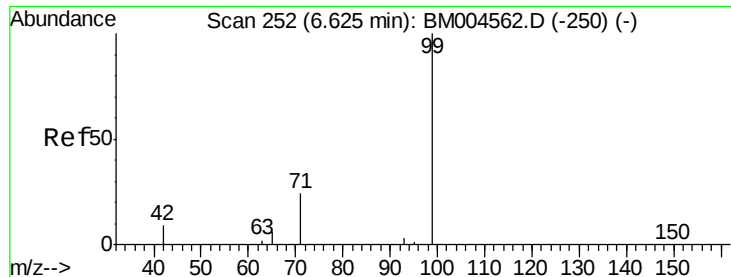


Abundance Ion 112.00 (111.70 to 112.70): BM004568.D (-148) (-)

Ion 64.00 (63.70 to 64.70): BM004568.D (-148) (-)

Ion 63.00 (62.70 to 63.70): BM004568.D (-148) (-)





#5

Phenol-d6

Concen: 7.92 ng

RT: 6.61 min Scan# 251

Delta R.T. -0.02 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

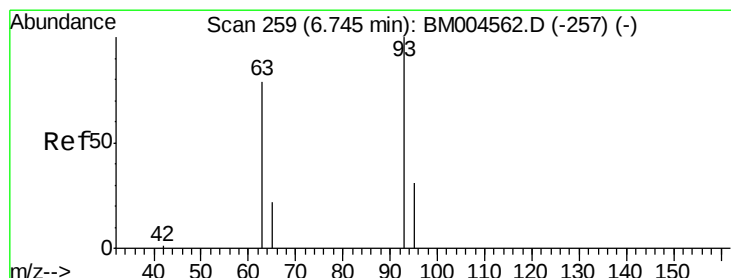
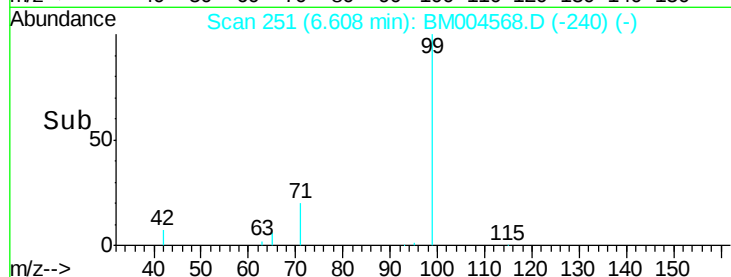
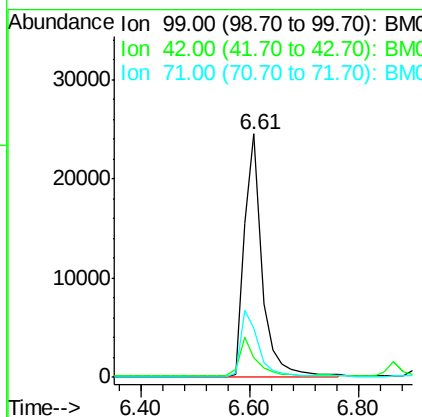
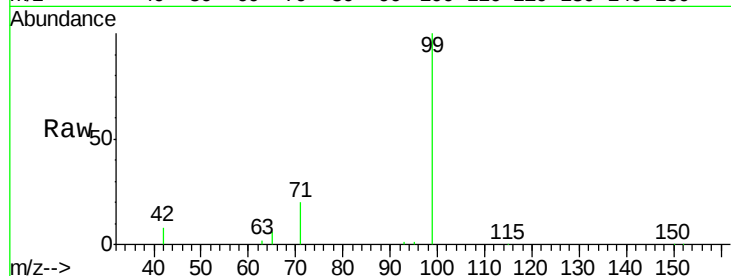
ClientSampleId :

PB88683BS

Tgt Ion:	99	Resp:	55462
Ion Ratio	Lower	Upper	
99	100		
42	14.7	0.0	0.0#
71	27.4	0.2	0.2#

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM



#6

bis(2-Chloroethyl)ether

Concen: 4.02 ng

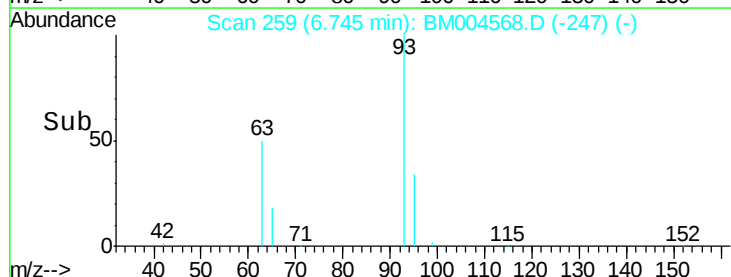
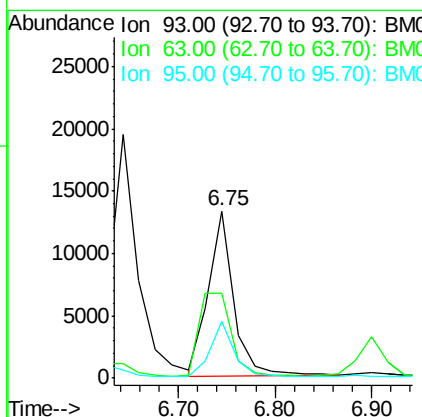
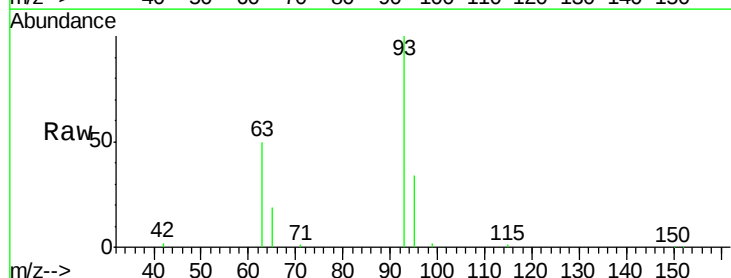
RT: 6.75 min Scan# 259

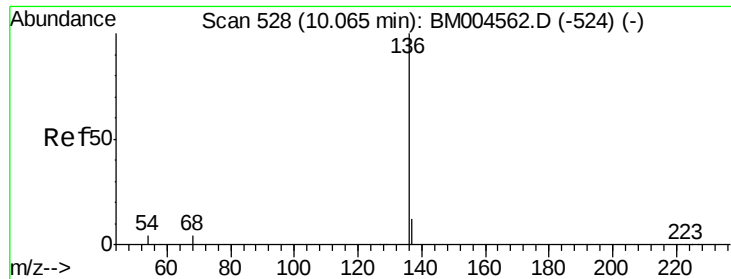
Delta R.T. 0.00 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

Tgt Ion:	93	Resp:	23872
Ion Ratio	Lower	Upper	
93	100		
63	65.9	18.7	28.1#
95	31.9	0.0	0.0#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.05 min Scan# 527

Delta R.T. -0.02 min

Lab File: BM004568.D

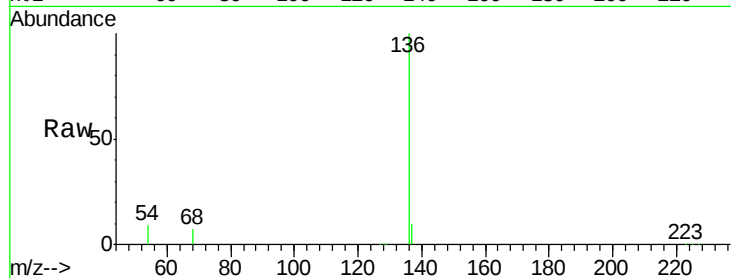
Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

ClientSampleId :

PB88683BS



Tgt Ion: 136 Resp: 94397

Ion Ratio Lower Upper

136 100

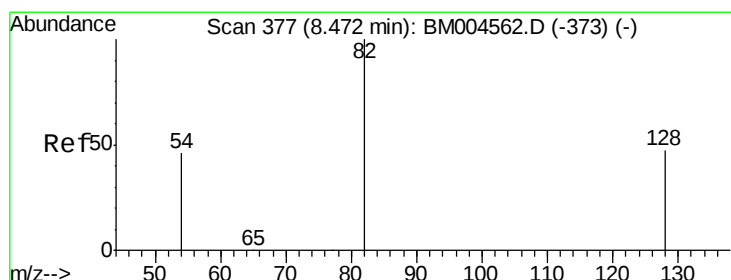
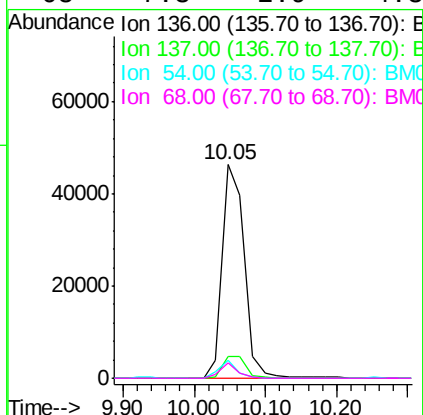
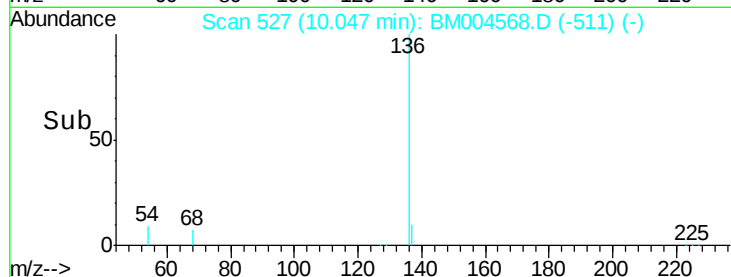
137 10.1 9.2 13.8

54 8.7 3.0 4.4#

68 7.3 2.9 4.3#

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM



#8

Nitrobenzene-d5

Concen: 4.63 ng

RT: 8.46 min Scan# 376

Delta R.T. -0.01 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

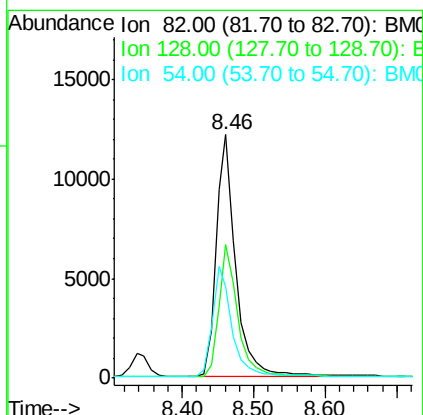
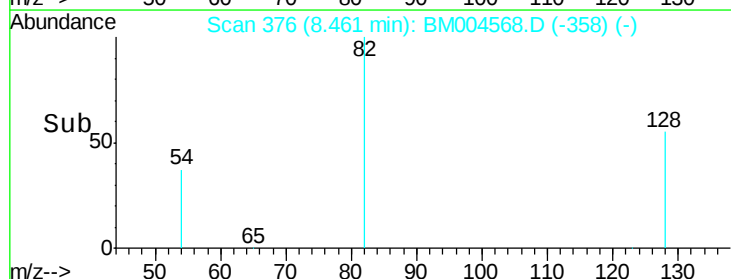
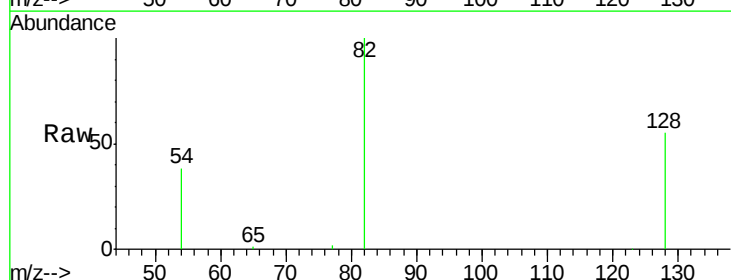
Tgt Ion: 82 Resp: 23356

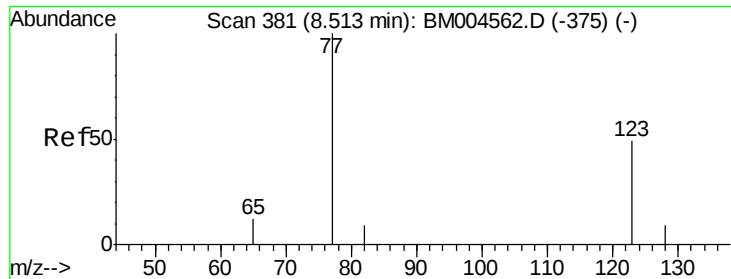
Ion Ratio Lower Upper

82 100

128 54.9 38.6 58.0

54 37.7 38.5 57.7#





#9

Nitrobenzene

Concen: 4.23 ng

RT: 8.50 min Scan# 380

Delta R.T. -0.01 min

Lab File: BM004568.D

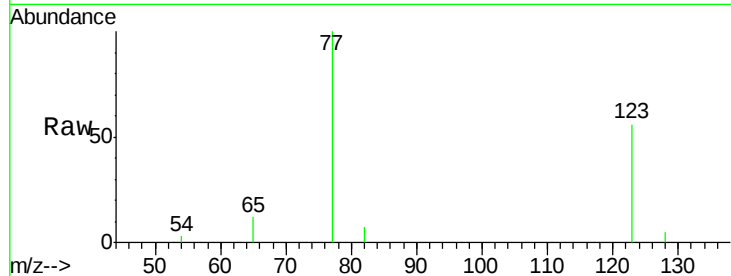
Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

ClientSampleId :

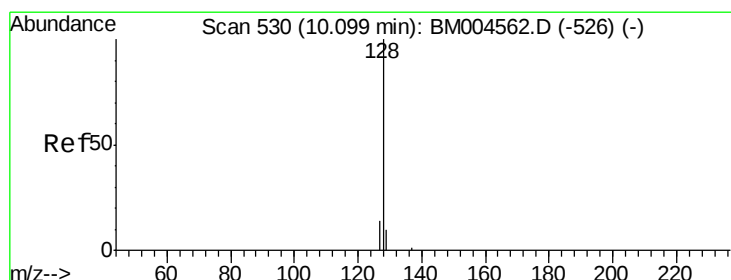
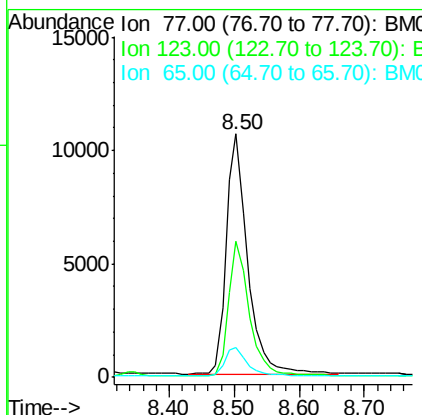
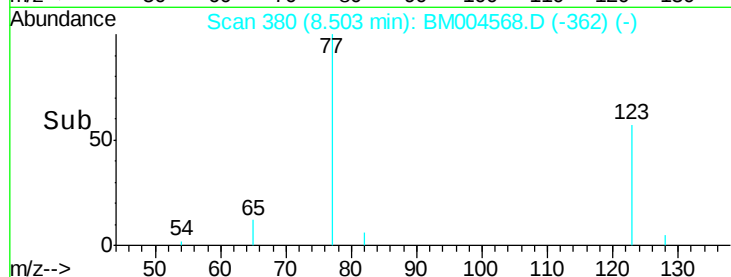
PB88683BS



Tgt Ion	Ratio	Lower	Upper
77	100		
123	55.8	0.0	0.0#
65	12.3	0.0	0.0#

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM



#10

Naphthalene

Concen: 4.43 ng

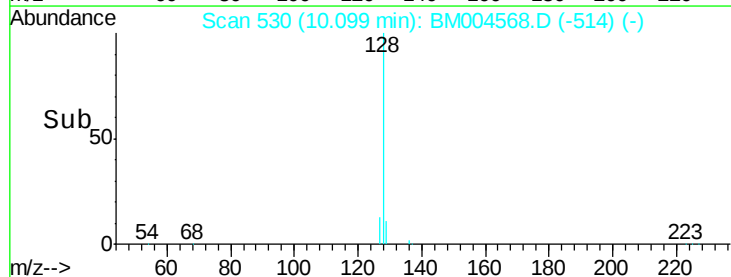
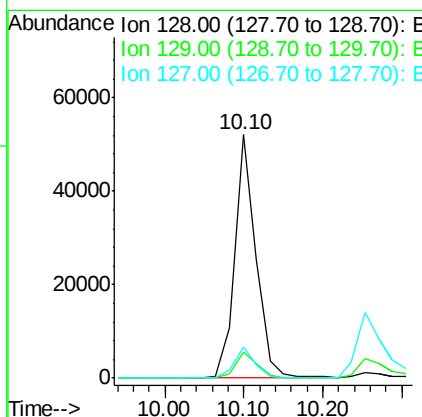
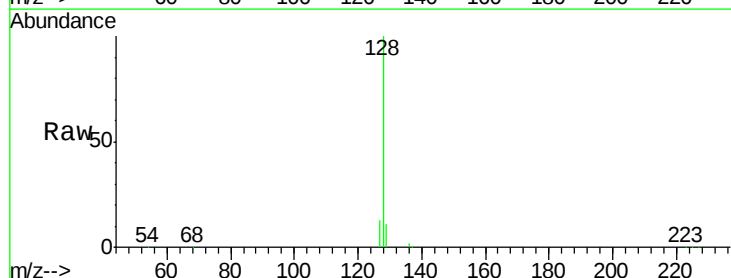
RT: 10.10 min Scan# 530

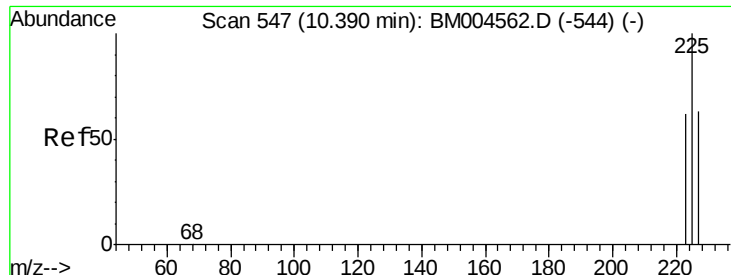
Delta R.T. 0.00 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	11.3	16.9





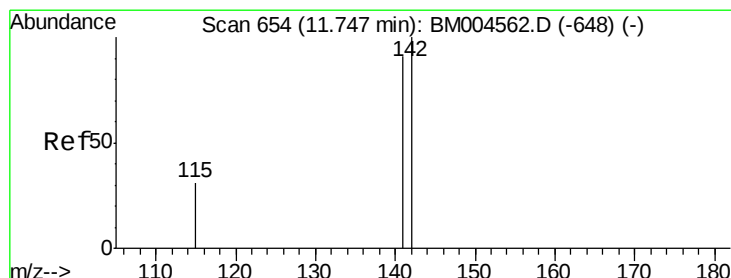
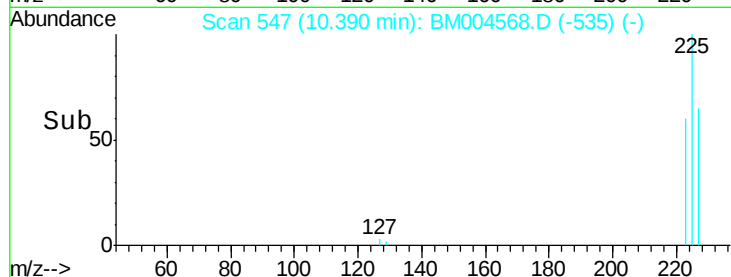
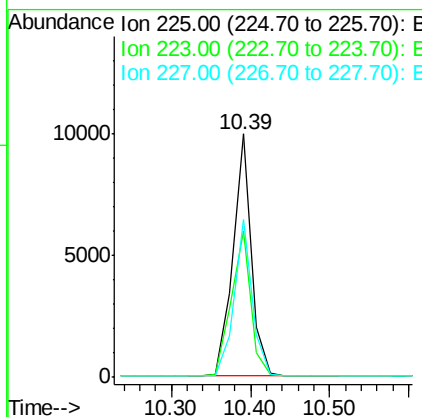
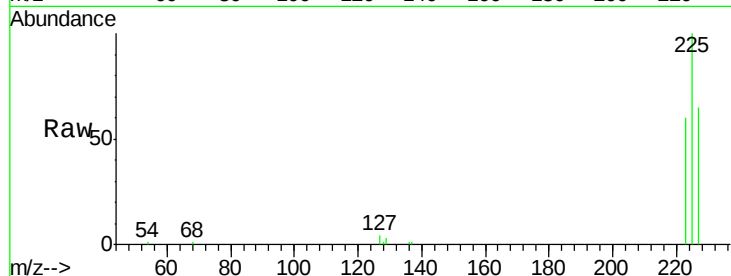
#11
Hexachlorobutadiene
Concen: 3.95 ng
RT: 10.39 min Scan# 547
Delta R.T. 0.00 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	62.9	0.0	0.0#
227	63.5	0.0	0.0#

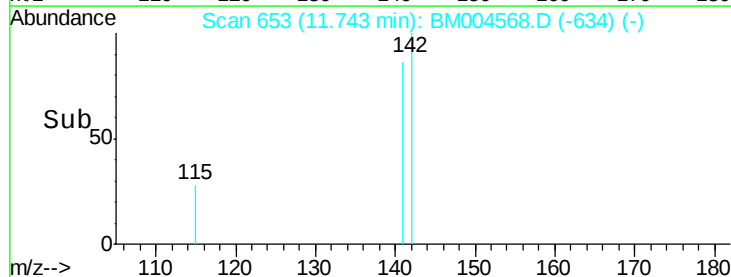
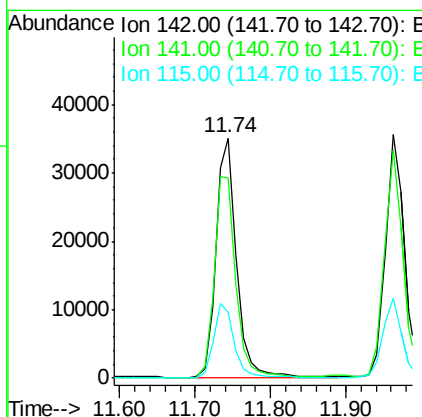
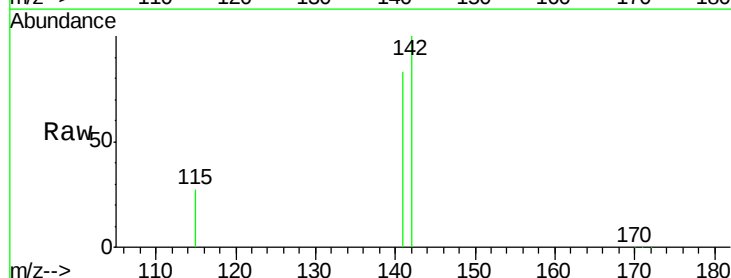
Manual Integrations
APPROVED

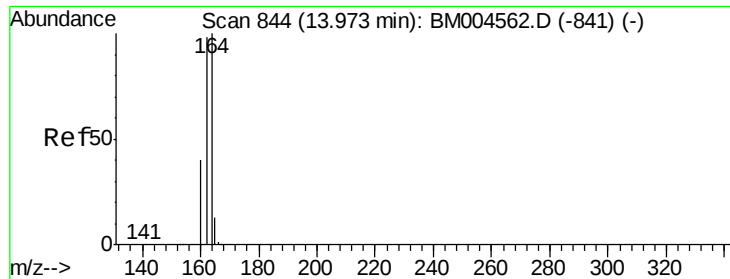
UMANGI
3/7/2016 12:36:54 PM



#12
2-Methylnaphthalene
Concen: 4.42 ng
RT: 11.74 min Scan# 653
Delta R.T. -0.00 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	83.4	72.3	108.5
115	27.3	25.4	38.2





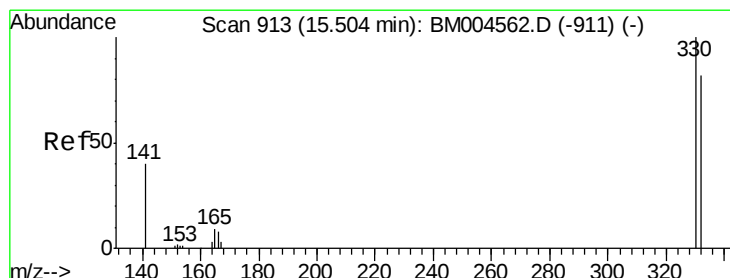
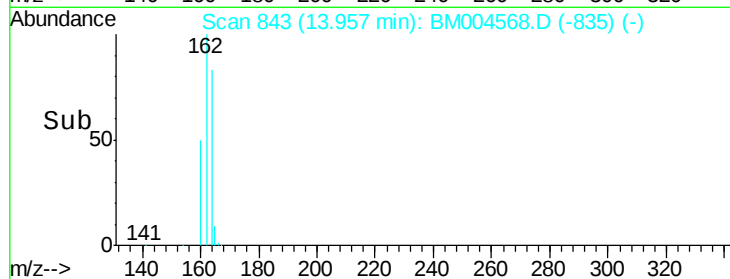
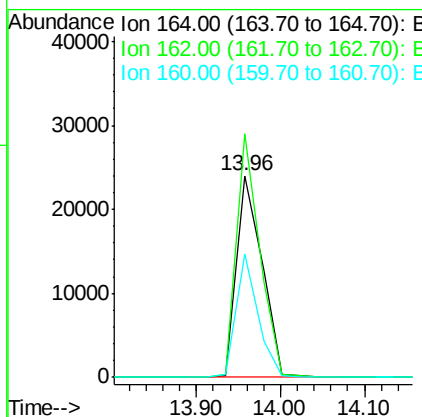
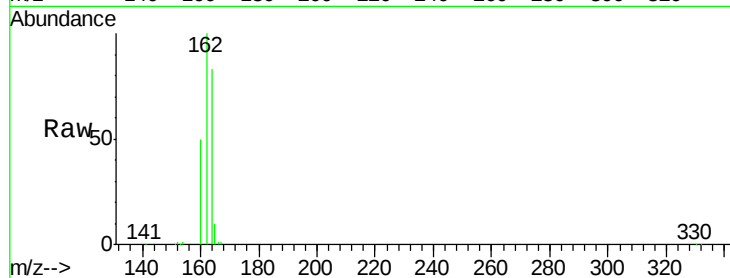
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.96 min Scan# 843
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Lower	Upper
164	100		
162	120.9	78.2	117.2#
160	61.0	31.9	47.9#

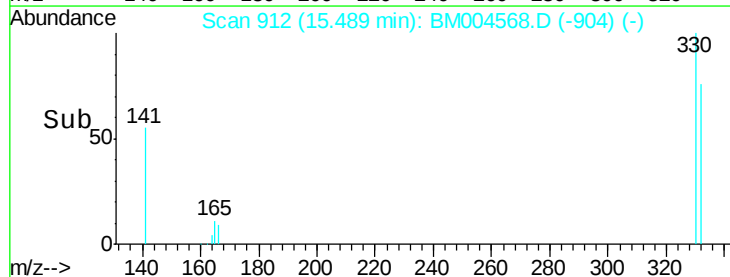
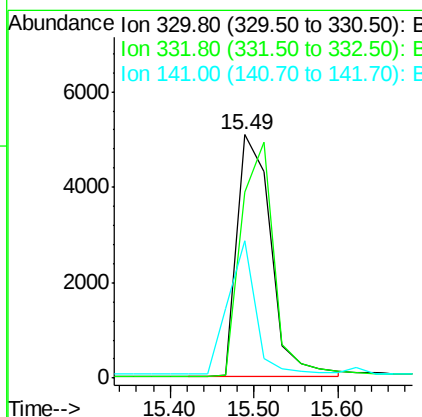
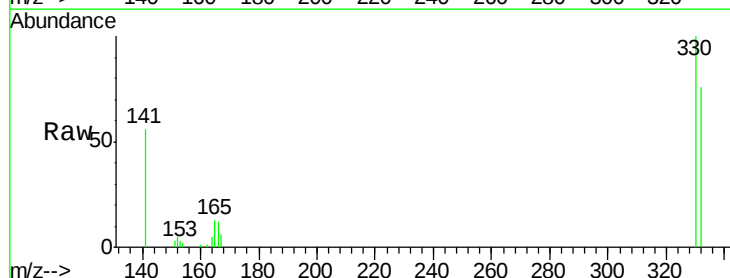
Manual Integrations
APPROVED

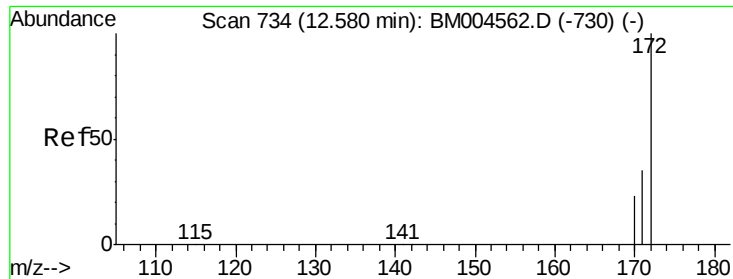
UMANGI
3/7/2016 12:36:54 PM



#14
2,4,6-Tribromophenol
Concen: 7.50 ng
RT: 15.49 min Scan# 912
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.5	0.0	0.0#





#15

2-Fluorobiphenyl

Concen: 4.83 ng

RT: 12.58 min Scan# 733

Delta R.T. -0.00 min

Lab File: BM004568.D

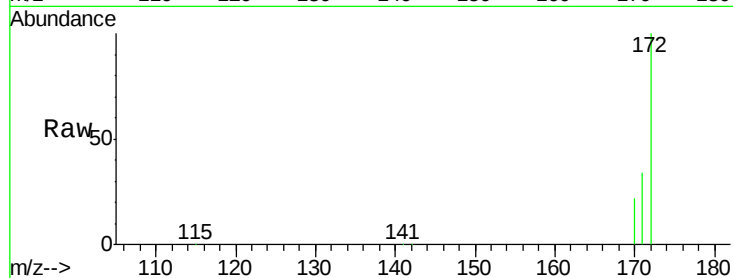
Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

ClientSampleId :

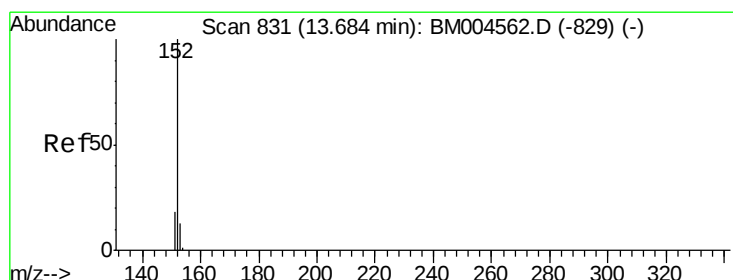
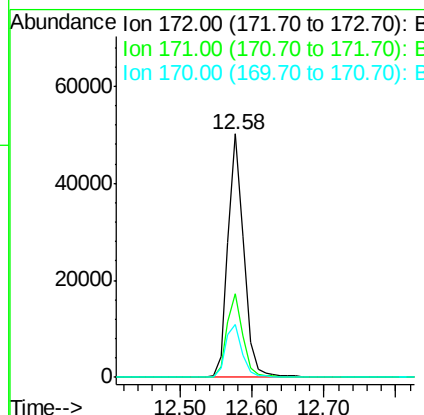
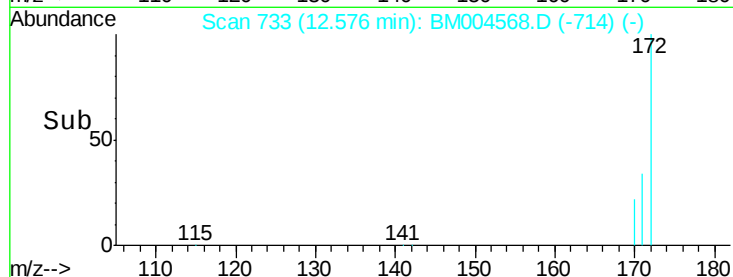
PB88683BS



Tgt Ion:	172	Resp:	76777
Ion Ratio	Lower	Upper	
172	100		
171	34.2	28.6	42.8
170	21.7	19.1	28.7

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM



#16

Acenaphthylene

Concen: 4.22 ng

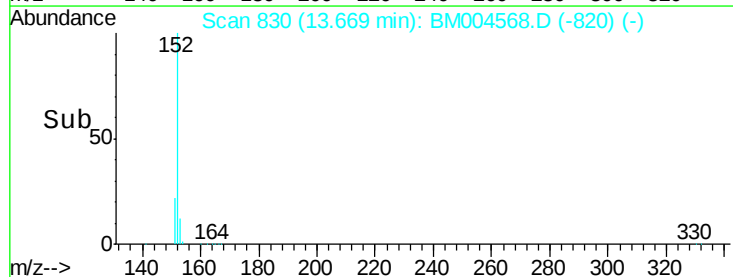
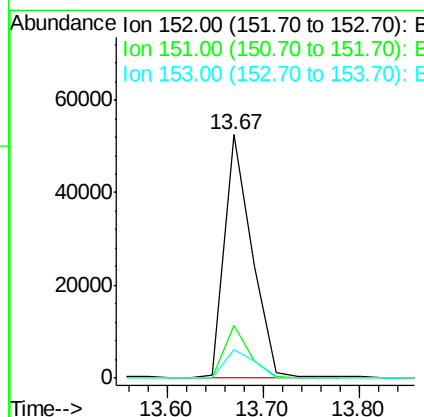
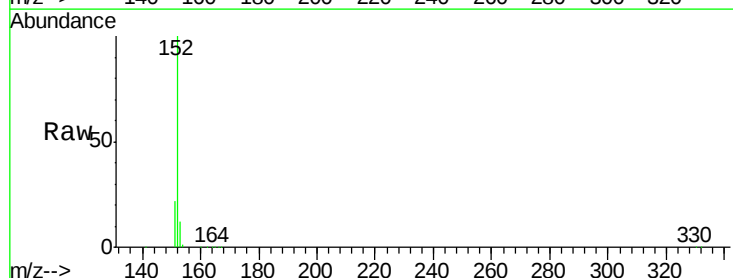
RT: 13.67 min Scan# 830

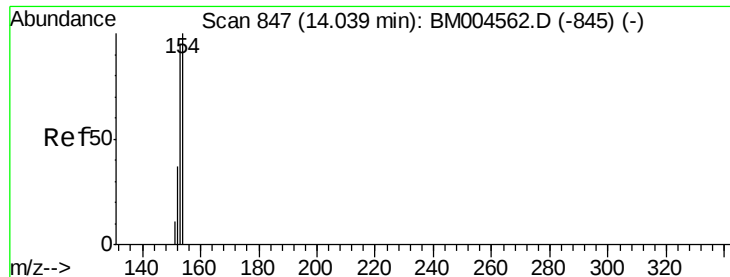
Delta R.T. -0.02 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

Tgt Ion:	152	Resp:	104569
Ion Ratio	Lower	Upper	
152	100		
151	19.9	9.2	13.8#
153	12.9	51.4	77.0#





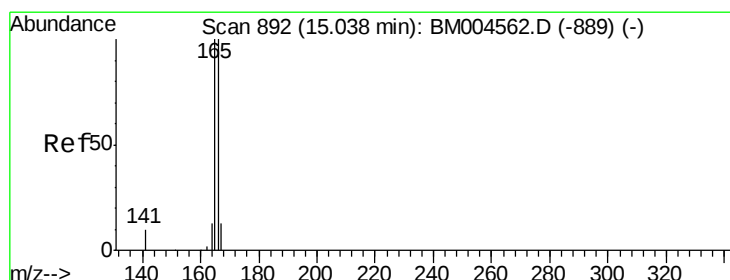
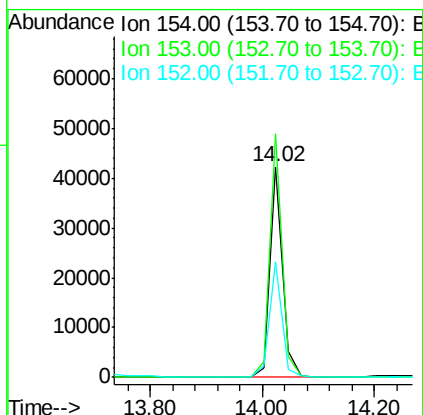
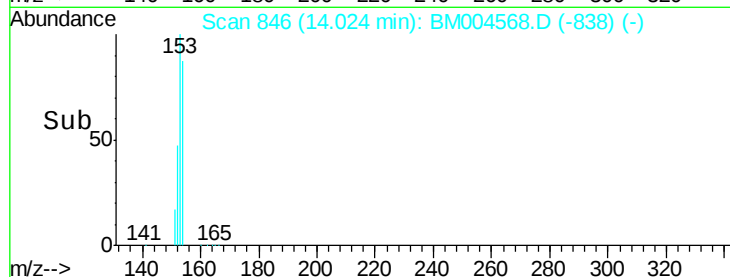
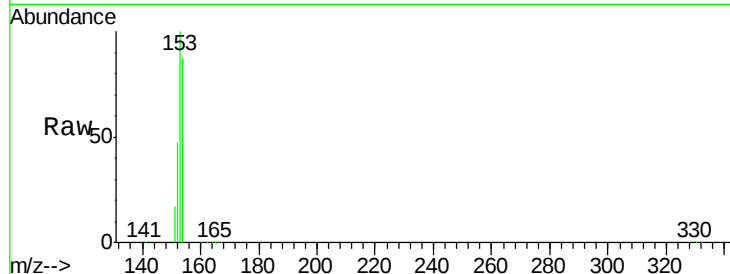
#17
Acenaphthene
Concen: 4.58 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.7	0.0	0.0#
152	53.8	0.2	0.2#

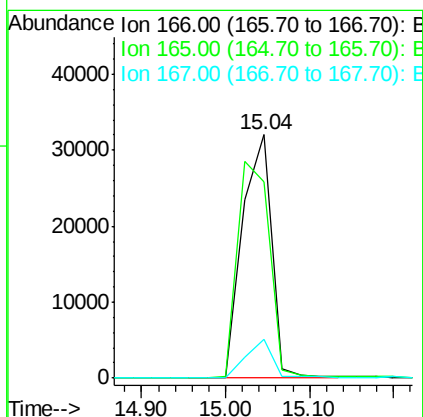
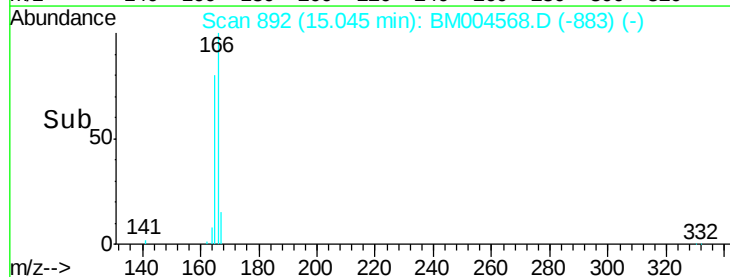
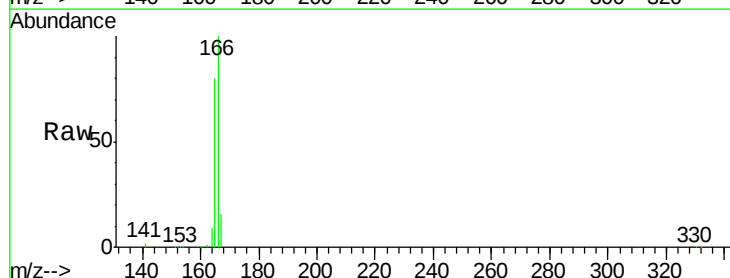
Manual Integrations
APPROVED

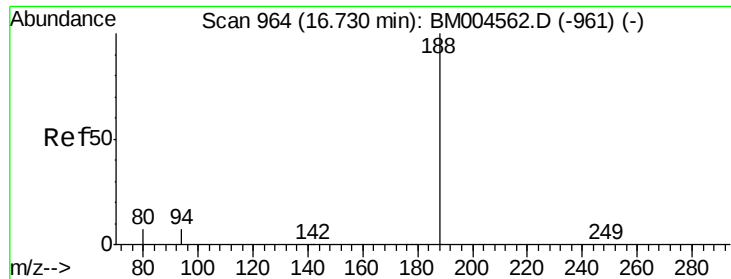
UMANGI
3/7/2016 12:36:54 PM



#18
Fluorene
Concen: 3.95 ng
RT: 15.04 min Scan# 892
Delta R.T. 0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	0.0	0.0
167	13.6	20.0	30.0#





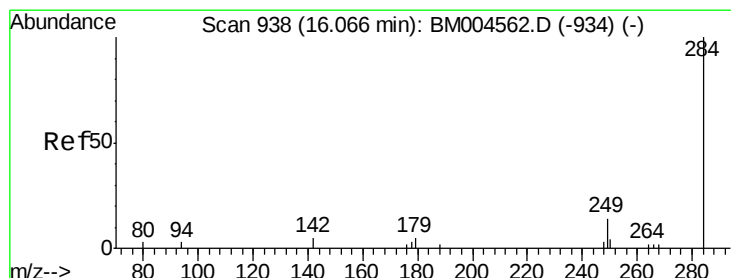
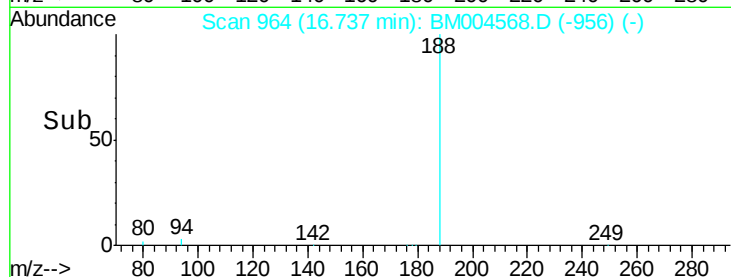
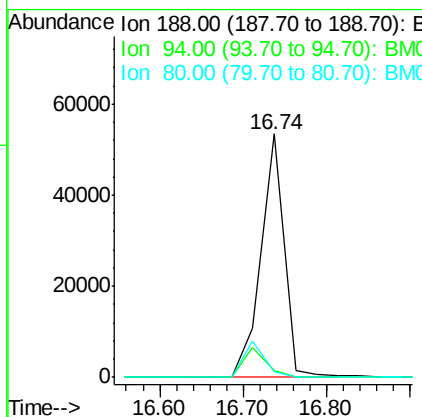
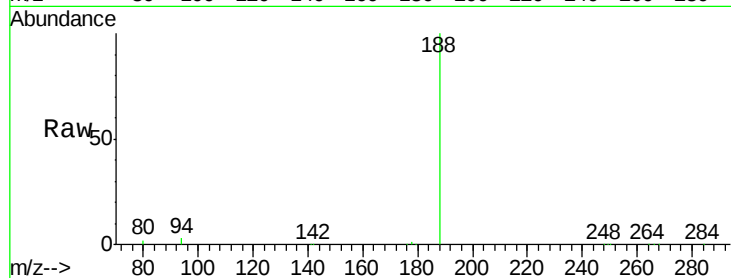
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.74 min Scan# 964
Delta R.T. 0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	2.9	6.0	9.0#
80	2.3	5.3	7.9#

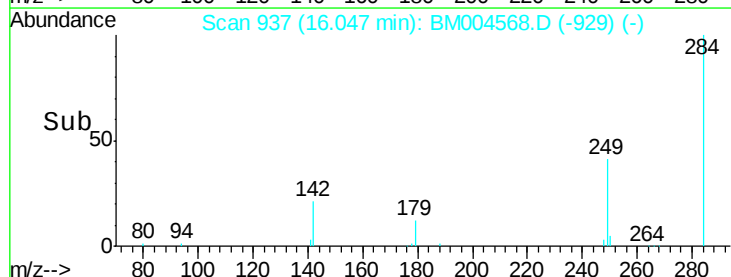
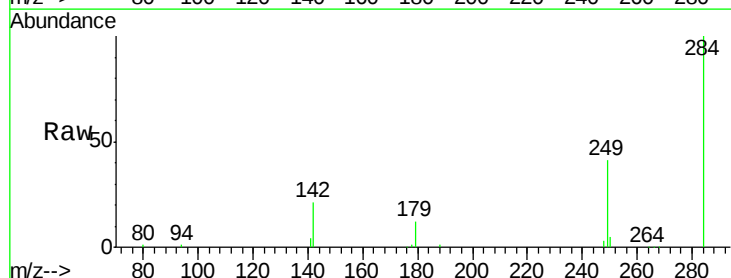
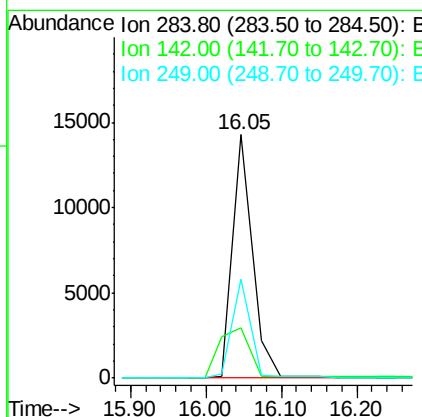
Manual Integrations
APPROVED

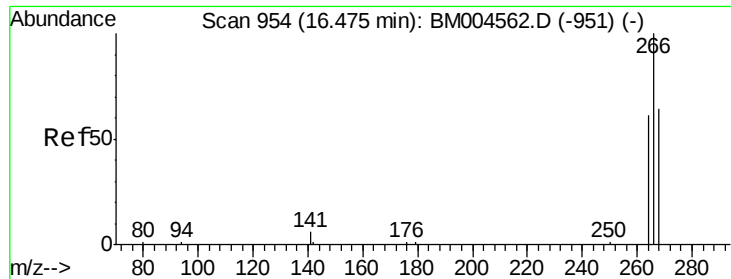
UMANGI
3/7/2016 12:36:54 PM



#20
Hexachlorobenzene
Concen: 6.39 ng
RT: 16.05 min Scan# 937
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	34.3	0.0	0.0#
249	38.5	0.0	0.0#





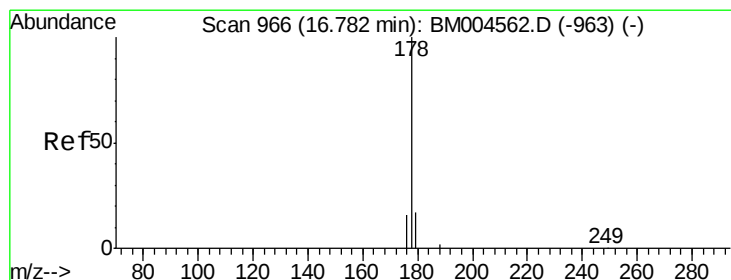
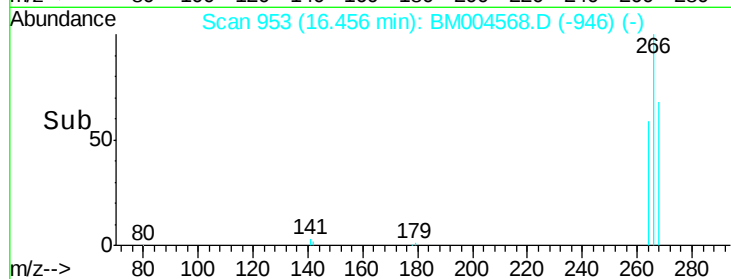
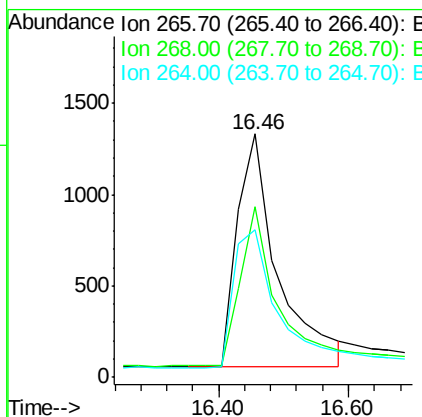
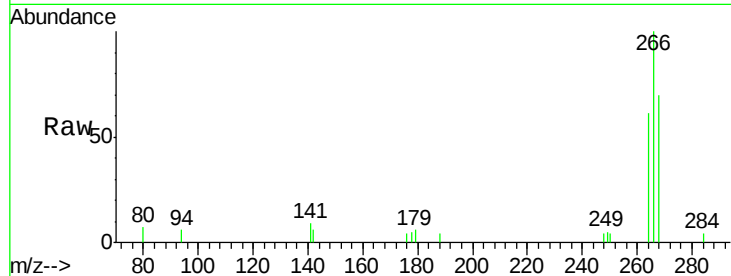
#21
 Pentachlorophenol
 Concen: 8.23 ng
 RT: 16.46 min Scan# 953
 Delta R.T. -0.02 min
 Lab File: BM004568.D
 Acq: 05 Mar 2016 22:19

Instrument :
 BNA_M
 ClientSampleId :
 PB88683BS

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5511		
268	69.9		62.6	94.0
264	60.8		57.4	86.0

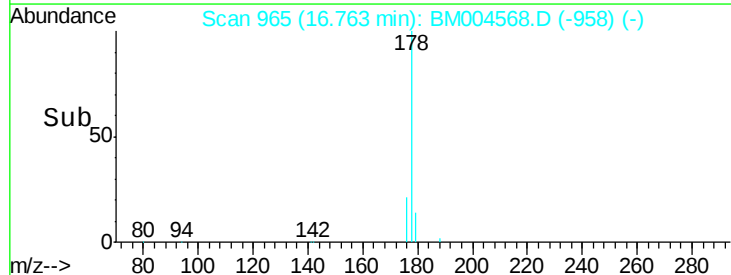
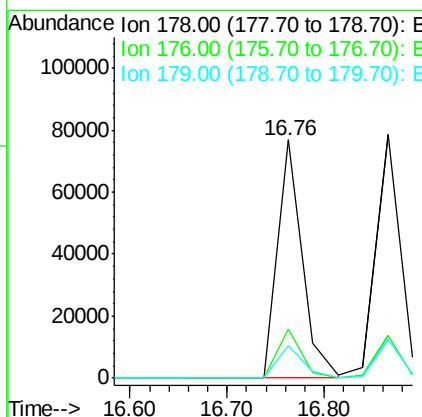
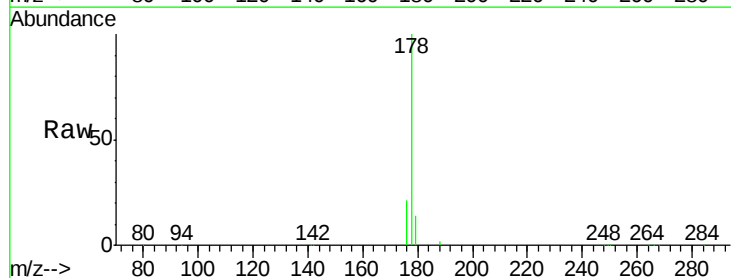
Manual Integrations
 APPROVED

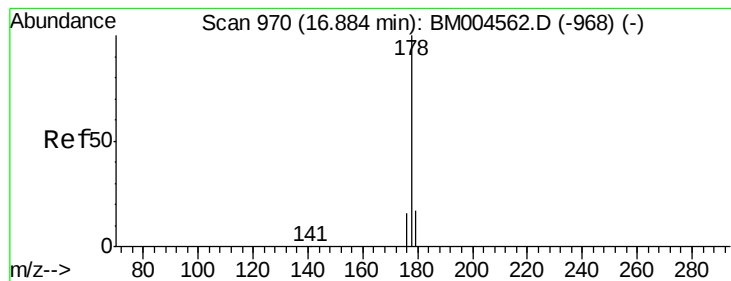
UMANGI
 3/7/2016 12:36:54 PM



#22
 Phenanthrene
 Concen: 6.50 ng
 RT: 16.76 min Scan# 965
 Delta R.T. -0.02 min
 Lab File: BM004568.D
 Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	136669		
176	19.9		0.0	0.0#
179	14.4		0.0	0.0#





#23

Anthracene

Concen: 5.23 ng

RT: 16.86 min Scan# 969

Delta R.T. -0.02 min

Lab File: BM004568.D

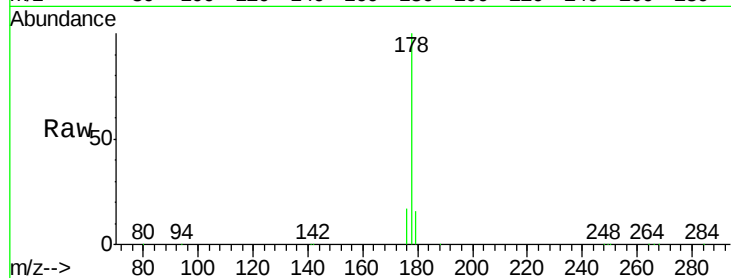
Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

ClientSampleId :

PB88683BS



Tgt Ion:178 Resp: 136668

Ion Ratio Lower Upper

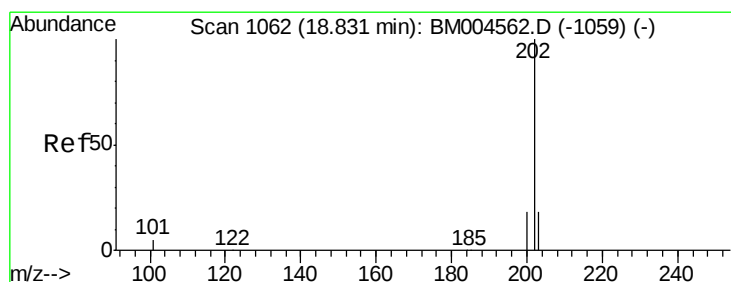
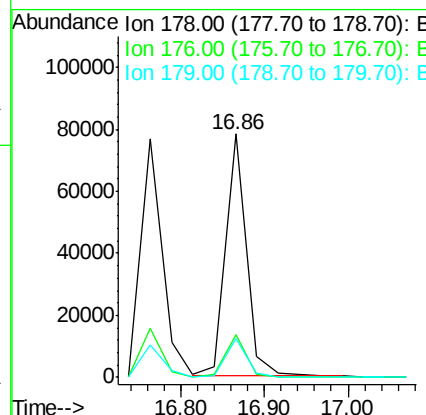
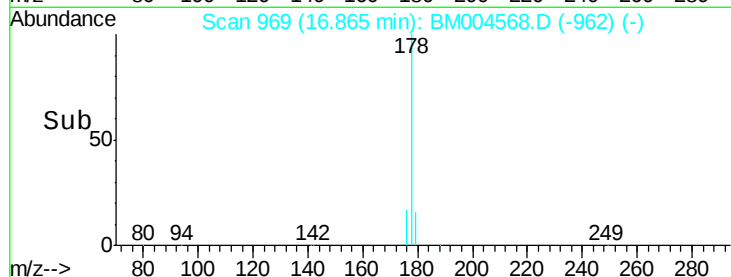
178 100

176 17.5 0.0 0.0#

179 15.5 0.0 0.0#

Manual Integrations
APPROVED

UMANGI
3/7/2016 12:36:54 PM



#24

Fluoranthene

Concen: 5.39 ng

RT: 18.82 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

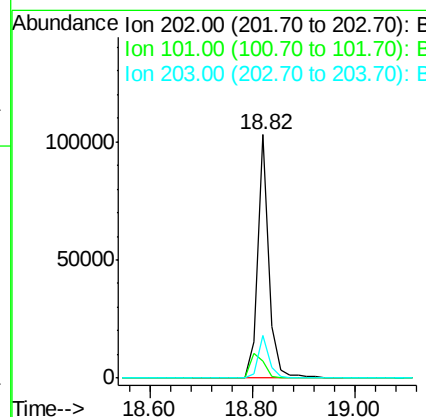
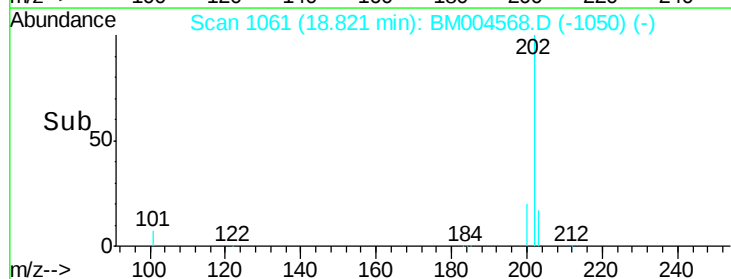
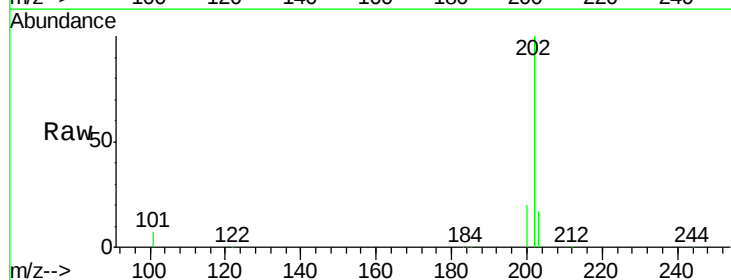
Tgt Ion:202 Resp: 151607

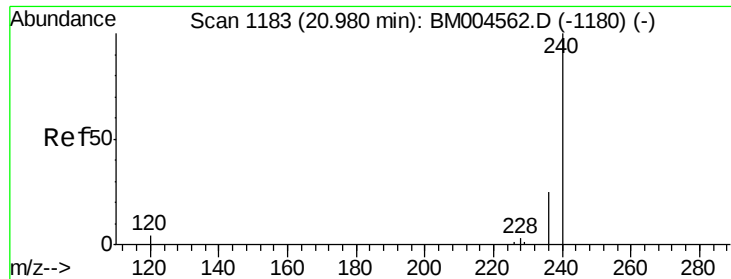
Ion Ratio Lower Upper

202 100

101 12.9 12.2 18.4

203 17.5 14.6 21.8





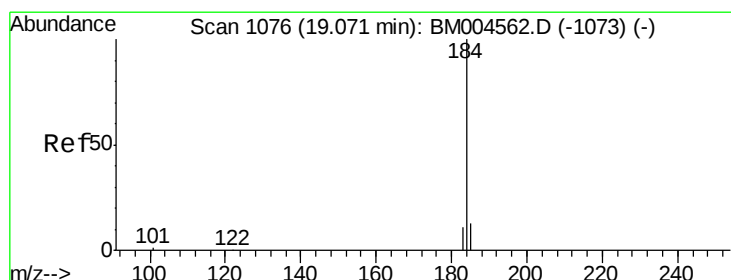
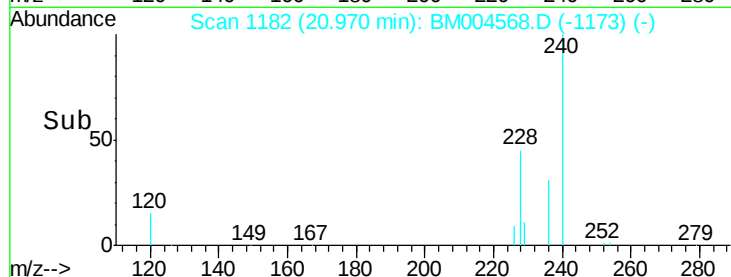
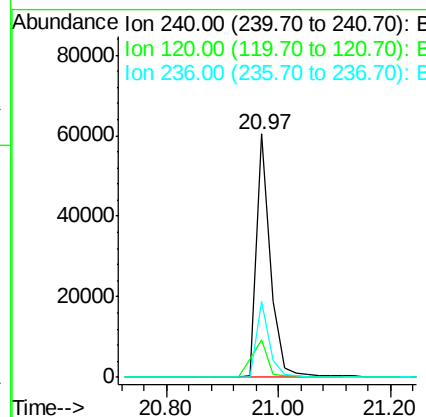
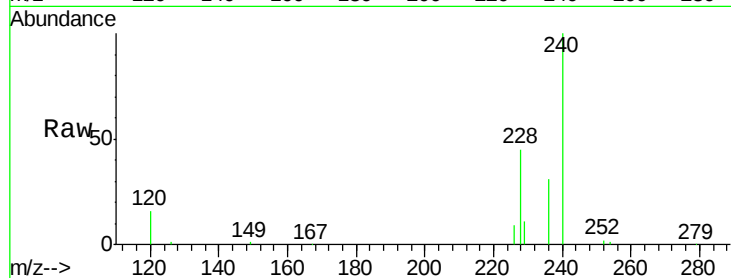
#25
Chrysene-d12
Concen: 5.00 ng
RT: 20.97 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.6	3.5	5.3#
236	31.3	20.3	30.5#

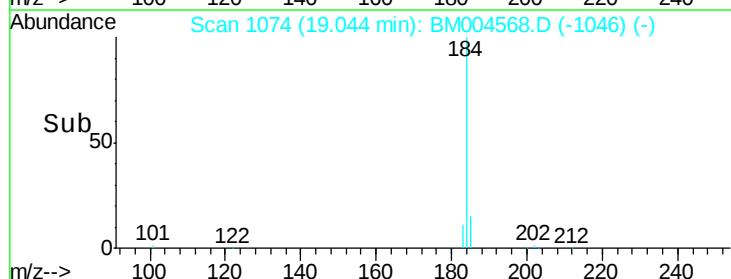
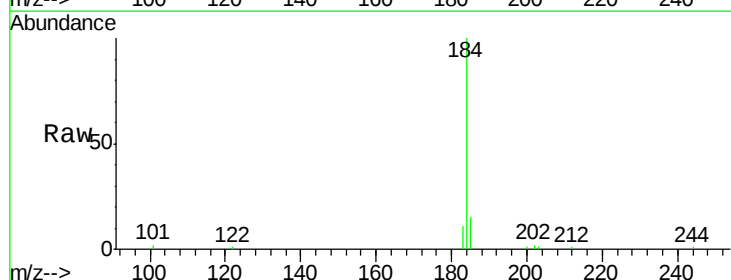
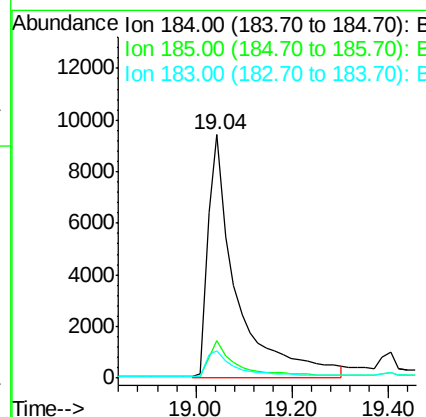
Manual Integrations
APPROVED

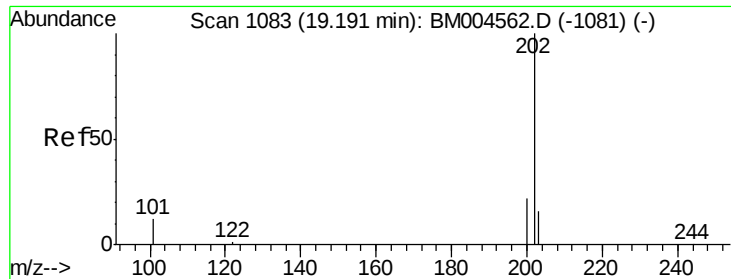
UMANGI
3/7/2016 12:36:54 PM



#26
Benzidine
Concen: 4.59 ng m
RT: 19.04 min Scan# 1074
Delta R.T. -0.03 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.3	19.4	29.0#
183	11.4	16.5	24.7#





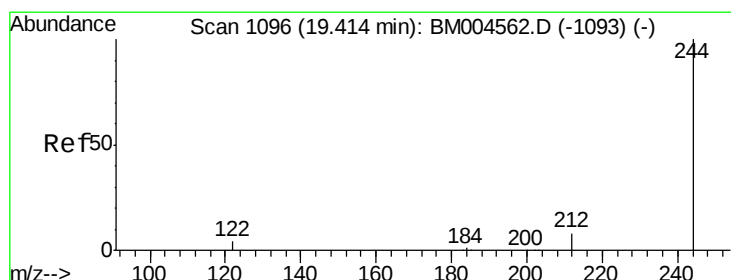
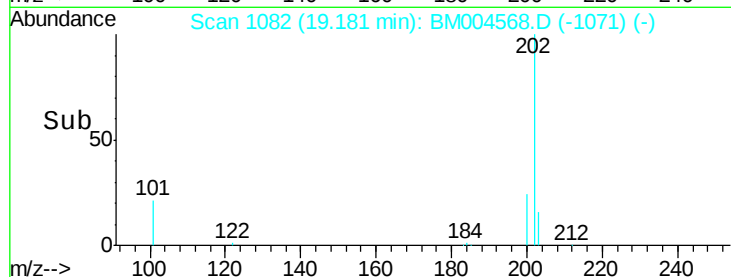
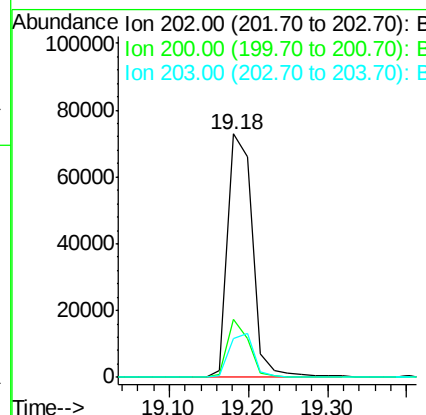
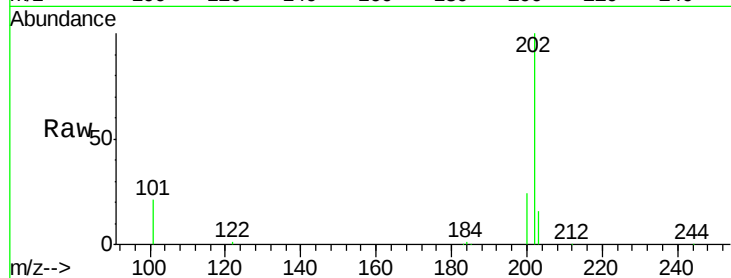
#27
 Pyrene
 Concen: 4.18 ng
 RT: 19.18 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: BM004568.D
 Acq: 05 Mar 2016 22:19

Instrument :
 BNA_M
 ClientSampleId :
 PB88683BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	0.2	0.2#
203	17.8	0.0	0.0#

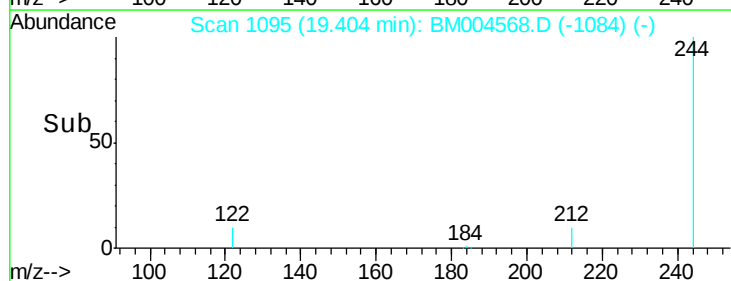
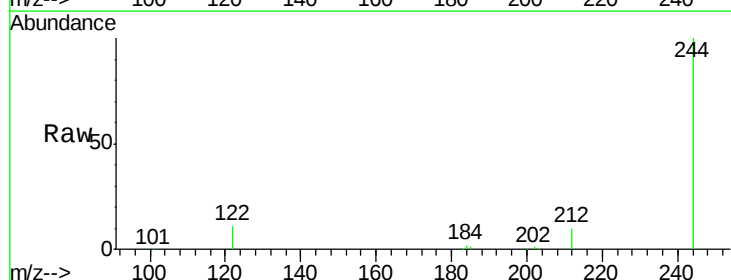
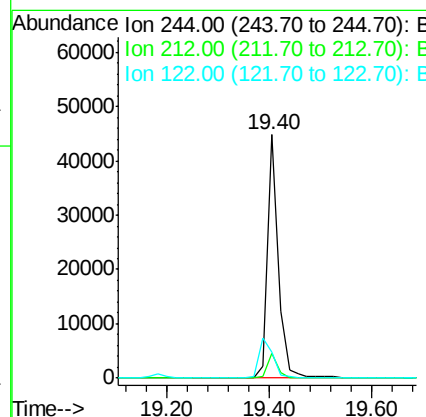
Manual Integrations
 APPROVED

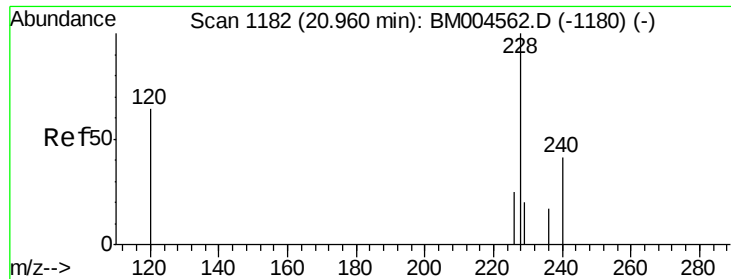
UMANGI
 3/7/2016 12:36:54 PM



#28
 Terphenyl-d14
 Concen: 4.08 ng
 RT: 19.40 min Scan# 1095
 Delta R.T. -0.01 min
 Lab File: BM004568.D
 Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.0	7.0	10.4
122	10.7	4.2	6.4#





#29

Benzo(a)anthracene

Concen: 4.49 ng m

RT: 20.95 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BM004568.D

Acq: 05 Mar 2016 22:19

Instrument :

BNA_M

ClientSampleId :

PB88683BS

Tgt Ion:228 Resp: 145830
Ion Ratio Lower Upper

228 100

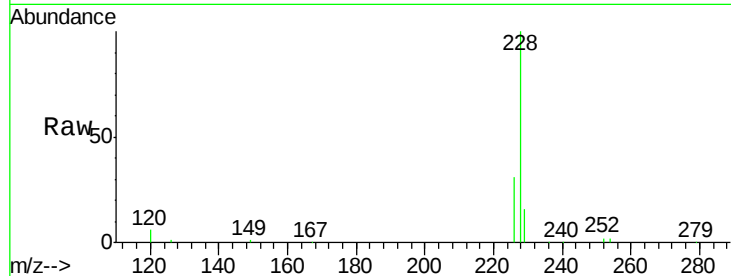
226 30.7 20.3 30.5#

229 16.5 16.3 24.5

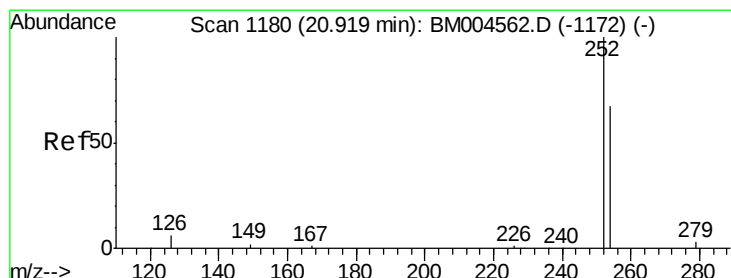
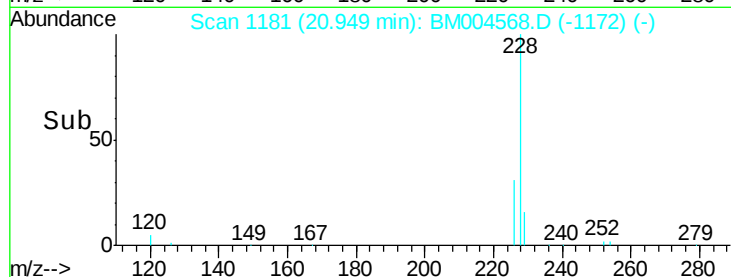
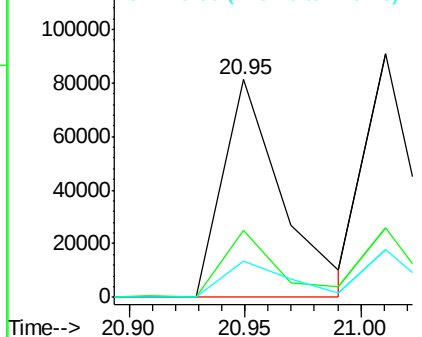
Manual Integrations
APPROVED

UMANGI

3/7/2016 12:36:54 PM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#30

3,3'-Dichlorobenzidine

Concen: 3.29 ng

RT: 20.91 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM004568.D

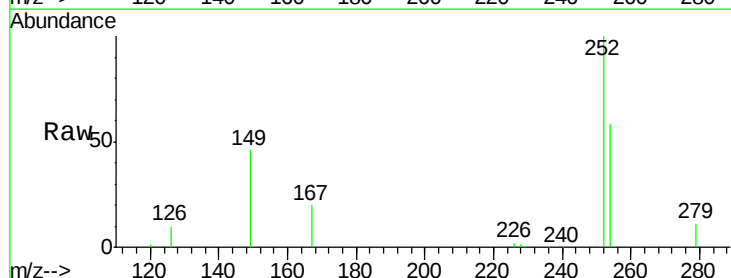
Acq: 05 Mar 2016 22:19

Tgt Ion:252 Resp: 42063
Ion Ratio Lower Upper

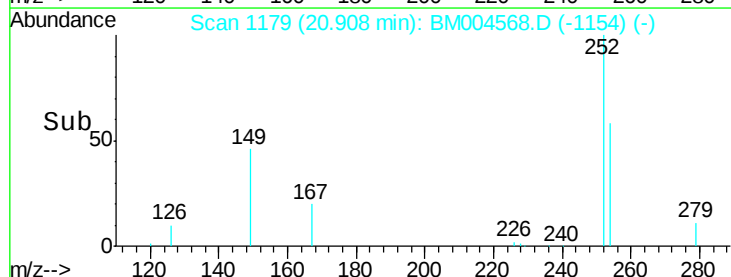
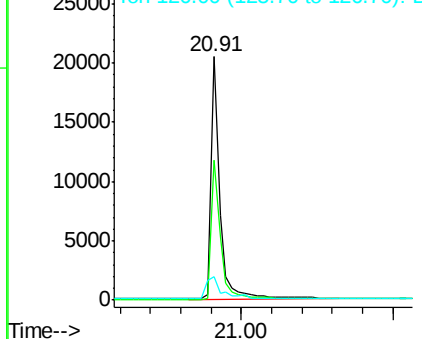
252 100

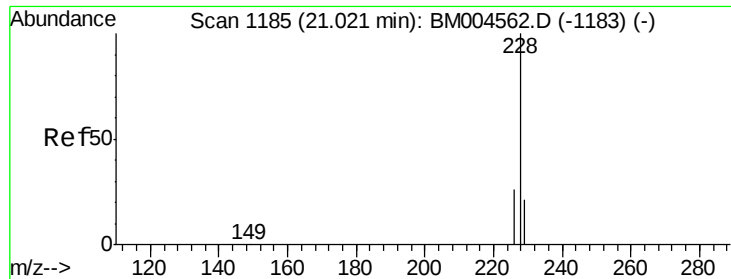
254 57.5 53.9 80.9

126 9.6 6.9 10.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





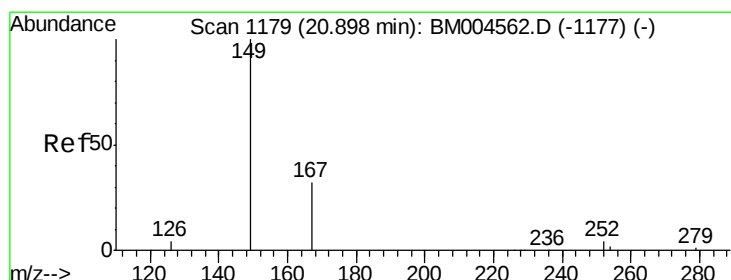
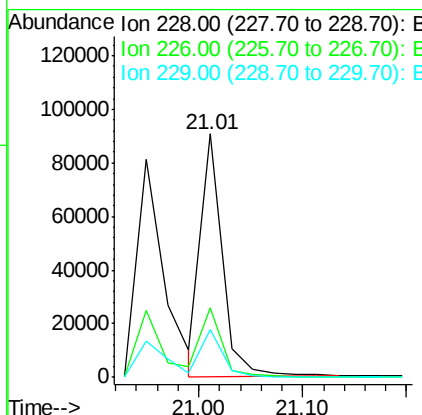
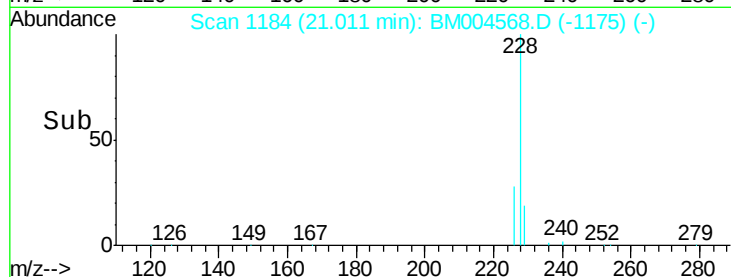
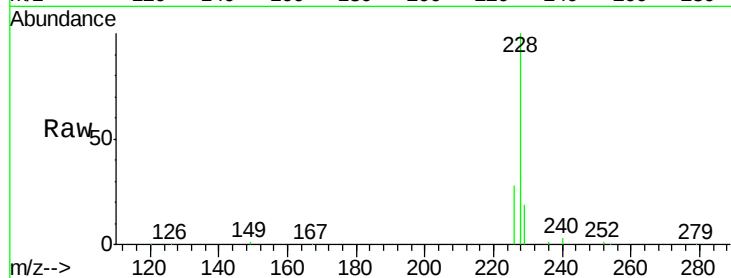
#31
Chrysene
Concen: 3.91 ng
RT: 21.01 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion:	228	Resp:	129220
Ion Ratio		Lower	Upper
228	100		
226	28.5	20.3	30.5
229	19.4	17.8	26.6

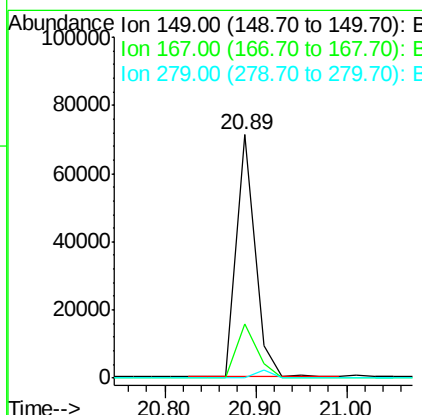
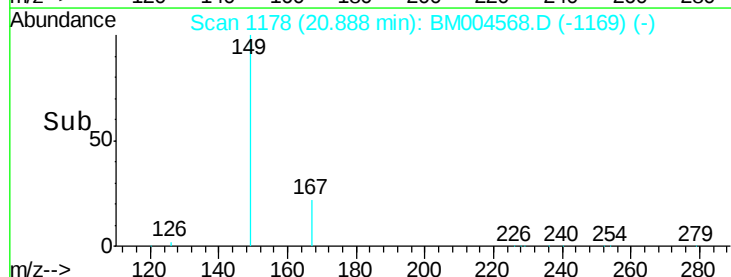
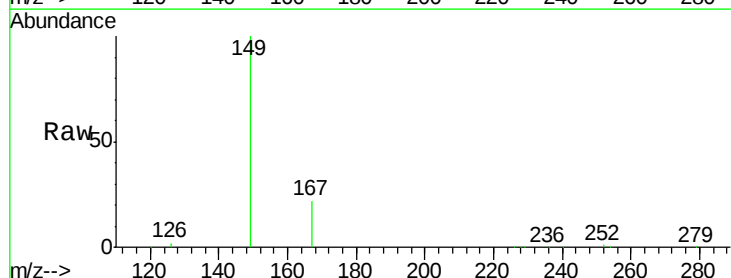
Manual Integrations
APPROVED

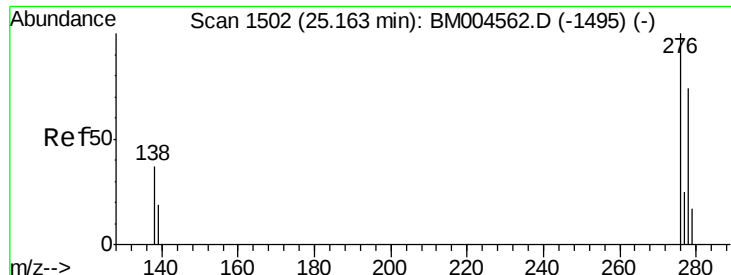
UMANGI
3/7/2016 12:36:54 PM



#32
Bis(2-ethylhexyl)phthalate
Concen: 4.18 ng
RT: 20.89 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion:	149	Resp:	100132
Ion Ratio		Lower	Upper
149	100		
167	24.5	0.6	0.8#
279	0.0	0.0	0.0





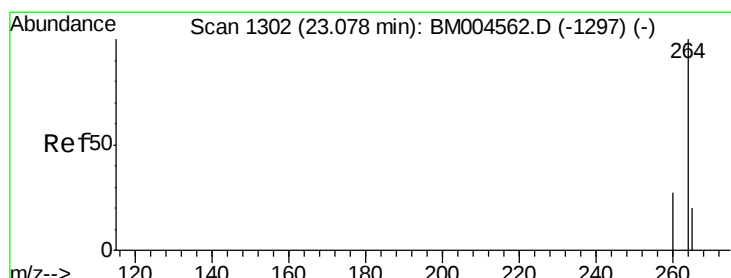
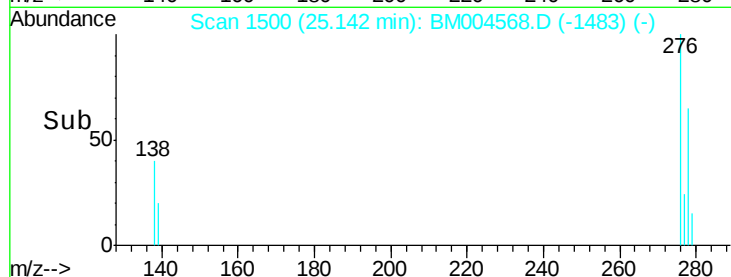
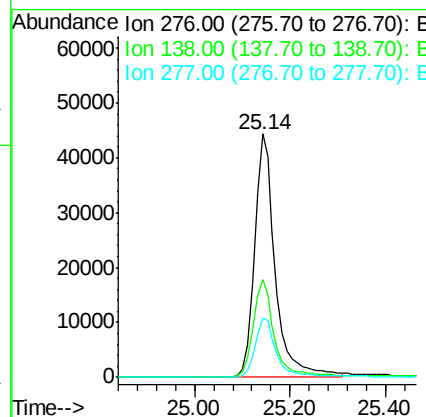
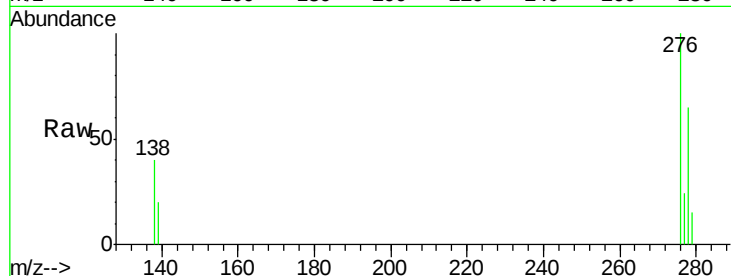
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.06 ng
RT: 25.14 min Scan# 1500
Delta R.T. -0.02 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	40.5	22.8	34.2#
277	24.8	15.2	22.8#

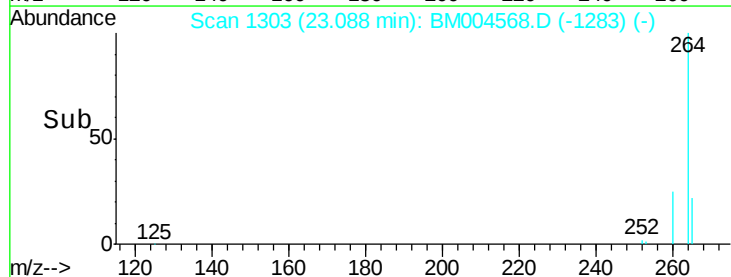
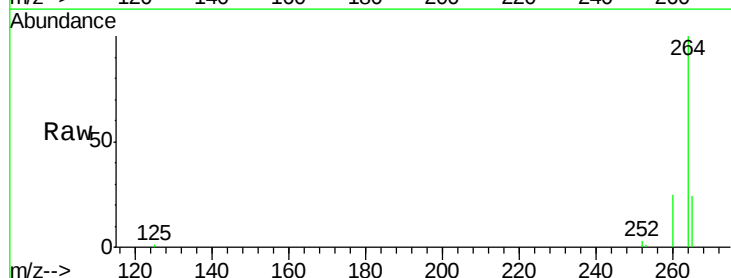
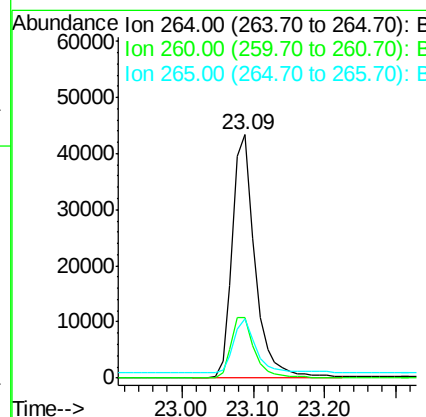
Manual Integrations
APPROVED

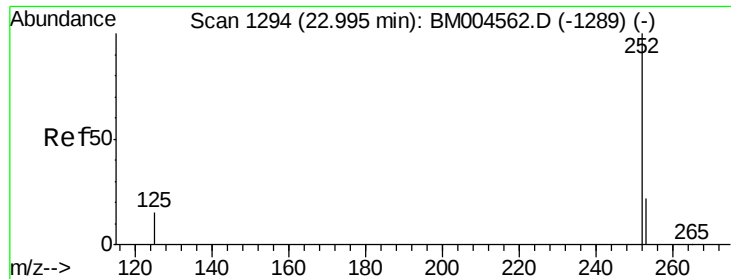
UMANGI
3/7/2016 12:36:54 PM



#34
Perylene-d12
Concen: 5.00 ng
RT: 23.09 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.8	21.4	32.2
265	24.2	17.8	26.8





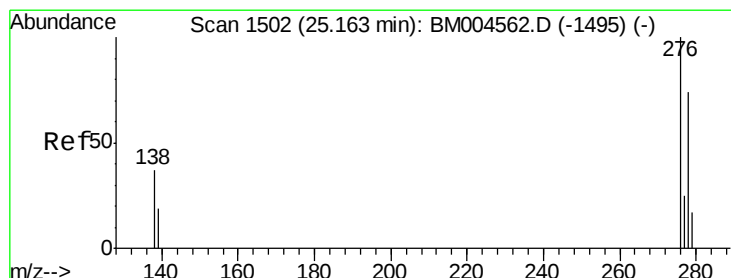
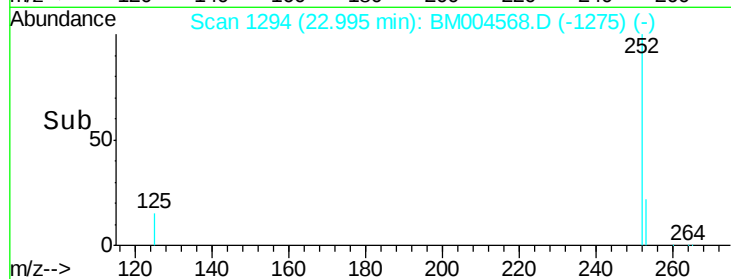
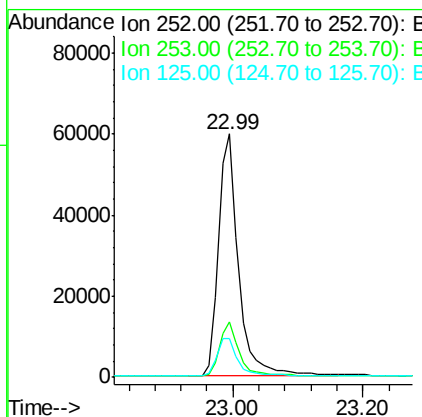
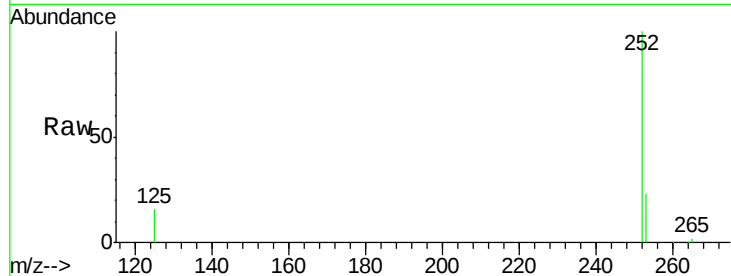
#35
Benzo(a)pyrene
Concen: 4.37 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Instrument :
BNA_M
ClientSampleId :
PB88683BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.6	19.0	28.6
125	15.9	14.4	21.6

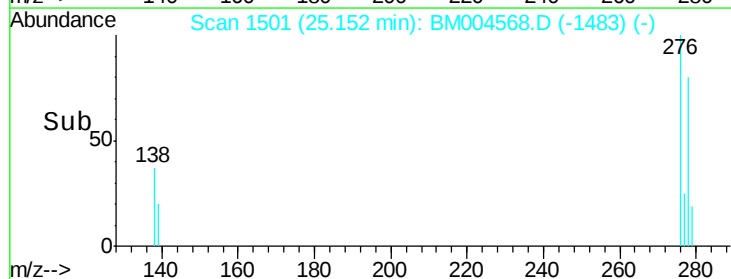
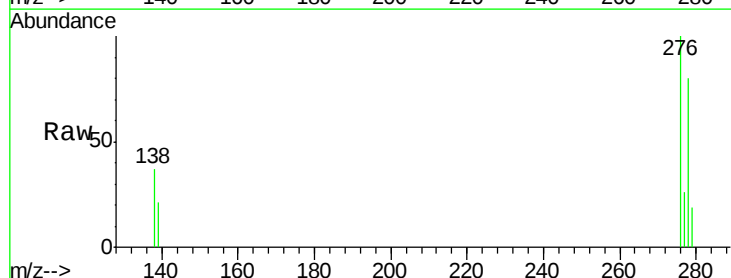
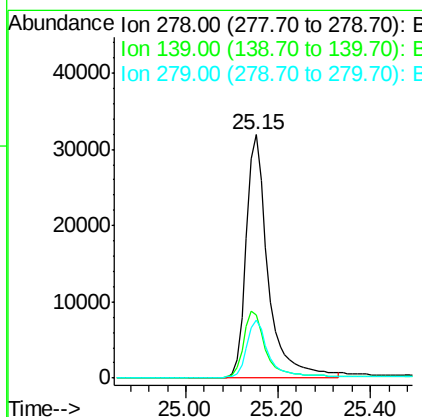
Manual Integrations
APPROVED

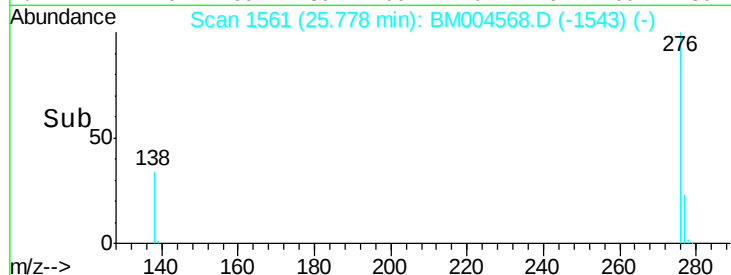
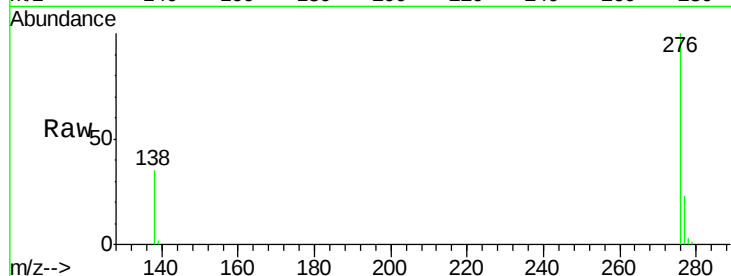
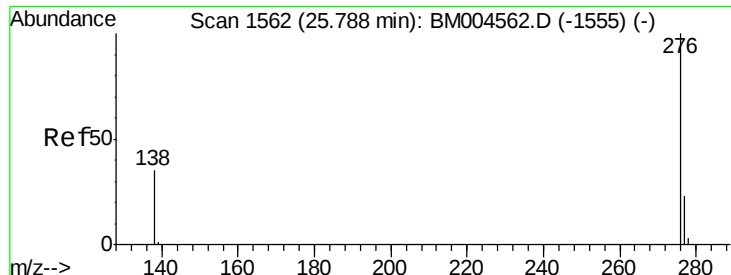
UMANGI
3/7/2016 12:36:54 PM



#36
Dibenzo(a,h)anthracene
Concen: 4.33 ng
RT: 25.15 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BM004568.D
Acq: 05 Mar 2016 22:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	25.8	21.7	32.5
279	23.8	20.2	30.4





#37
 Benzo(g,h,i)perylene
 Concen: 4.28 ng
 RT: 25.78 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BM004568.D
 Acq: 05 Mar 2016 22:19

Instrument :
 BNA_M
 ClientSampleId :
 PB88683BS

Tgt Ion:	276	Resp:	114850
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.1	28.7
138	34.5	29.3	43.9

Manual Integrations
 APPROVED

UMANGI
 3/7/2016 12:36:54 PM

