

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021215\
 Data File : BF077302.D
 Acq On : 13 Feb 2015 1:45
 Operator : TP/IZ
 Sample : PB81726TB
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB81726TB

Manual Integrations
 APPROVED

mohammad
 2/13/2015 5:40:47 PM

Quant Time: Feb 13 06:09:15 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 13 03:50:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	25485	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	108761	20.00	ng	0.00
38) Acenaphthene-d10	14.52	164	51627	20.00	ng	0.00
63) Phenanthrene-d10	17.44	188	97382	20.00	ng	0.00
75) Chrysene-d12	20.95	240	99842	20.00	ng	-0.01
86) Perylene-d12	22.59	264	88512	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	215483	131.67	ng	0.02
7) Phenol-d6	6.93	99	245222	121.57	ng	0.00
23) Nitrobenzene-d5	8.81	82	195801	102.84	ng	-0.01
41) 2,4,6-Tribromophenol	16.29	330	74188	176.22	ng	-0.01
44) 2-Fluorobiphenyl	13.06	172	398120	116.07	ng	-0.01
78) Terphenyl-d14	19.70	244	440694	99.14	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	8.35	107	4712m	3.29	ng	
27) 2,4-Dimethylphenol	9.92	122	7798m	5.06	ng	
31) Naphthalene	10.47	128	1231907	229.48	ng	99
37) 2-Methylnaphthalene	12.11	142	127041	31.57	ng	99
45) 1,1'-Biphenyl	13.27	154	9842	2.47	ng	94
51) Acenaphthene	14.59	154	18158	6.25	ng	90
57) Fluorene	15.80	166	20968	5.71	ng	99
70) Phenanthrene	17.47	178	43548	7.41	ng	99
72) Carbazole	17.85	167	88015	15.64	ng	99

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

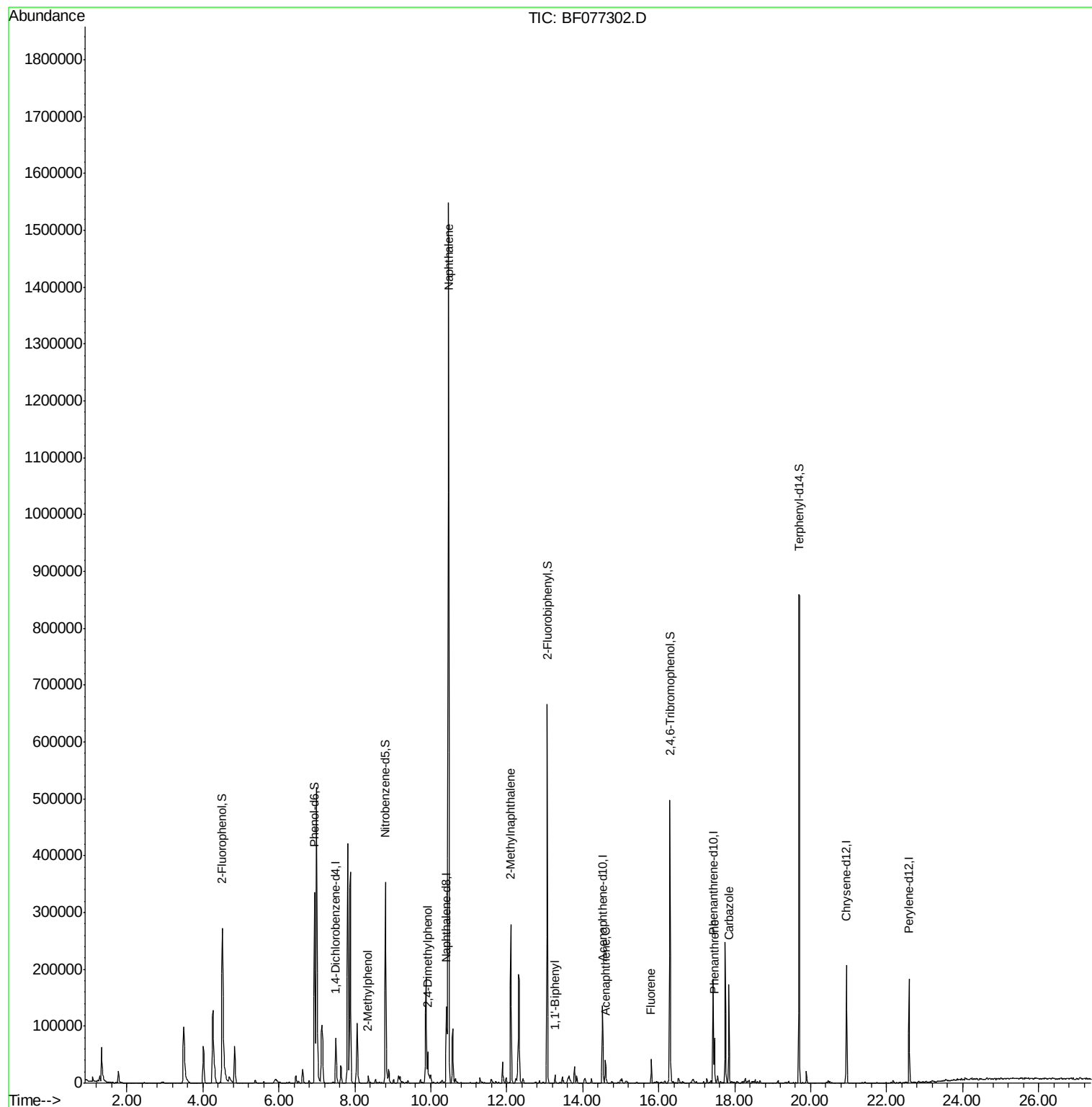
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021215\
Data File : BF077302.D
Acq On : 13 Feb 2015 1:45
Operator : TP/IZ
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Misc :
ALS Vial : 21 Sample Multiplier: 1

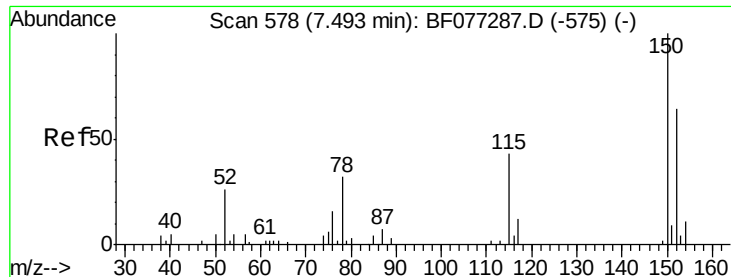
Instrument :
BNA_F
ClientSampleId :
PB81726TB

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2/13/2015 5:40:47 PM

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#1

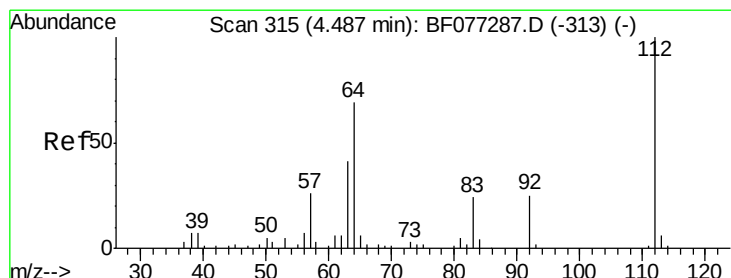
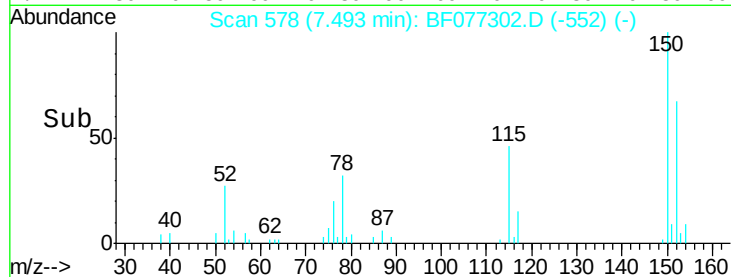
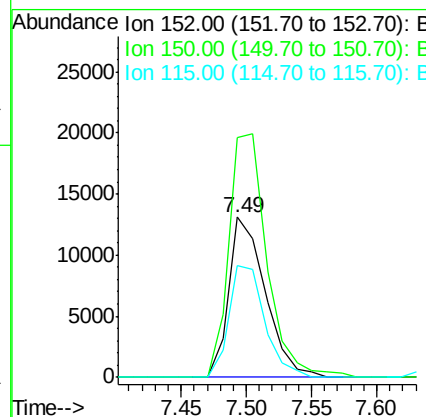
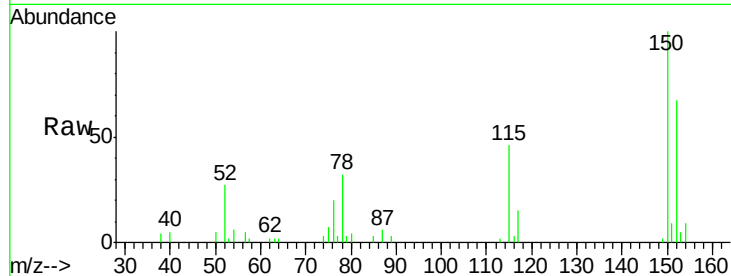
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.7	124.9	187.3
115	69.6	54.1	81.1

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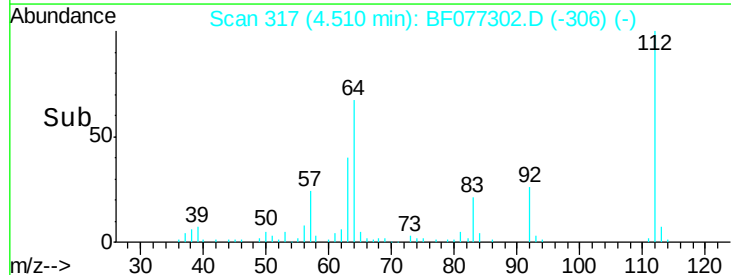
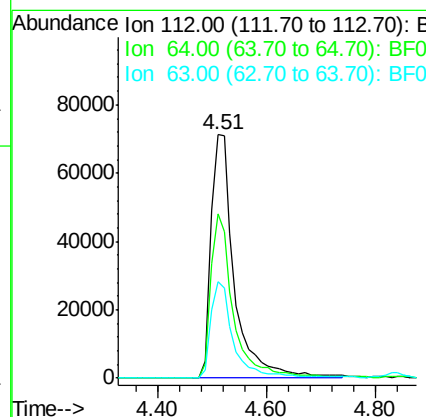
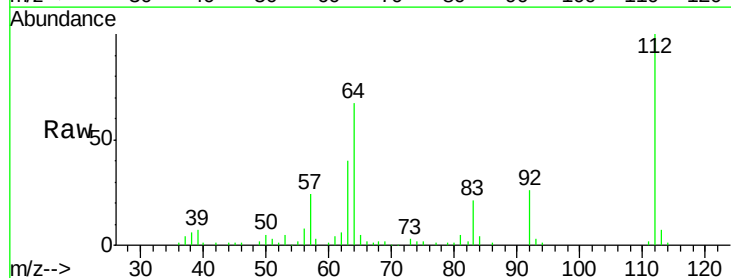
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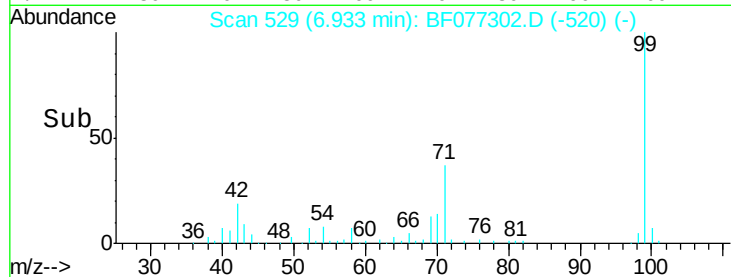
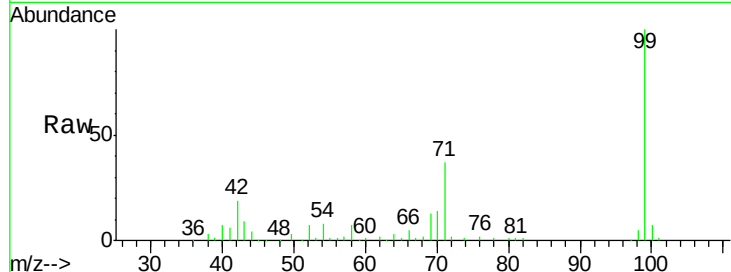
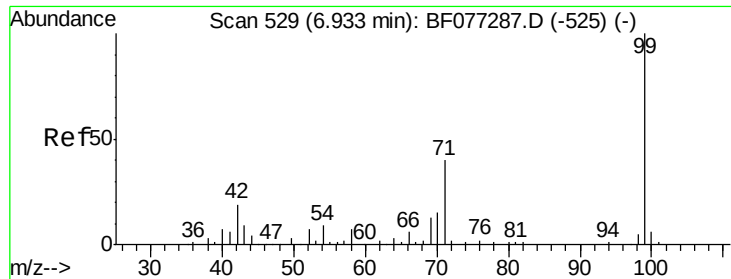


#5

2-Fluorophenol
Concen: 131.67 ng
RT: 4.51 min Scan# 317
Delta R.T. 0.02 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	55.0	82.4
63	39.9	33.0	49.6





#7

Phenol-d6

Concen: 121.57 ng

RT: 6.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tot Ion:	99	Resp:	245222
Ion Ratio	Lower	Upper	
99	100		
42	18.8	15.0	22.4
71	37.2	31.8	47.6

Instrument :

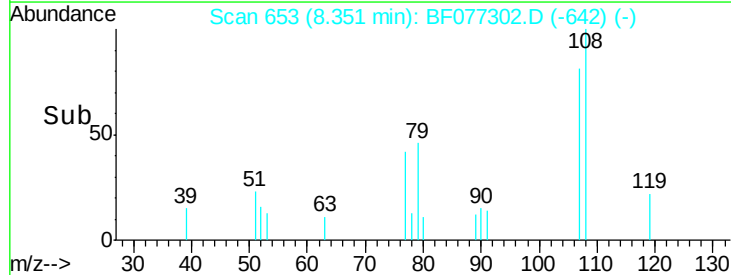
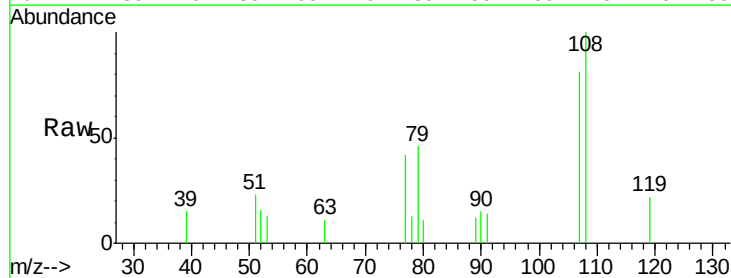
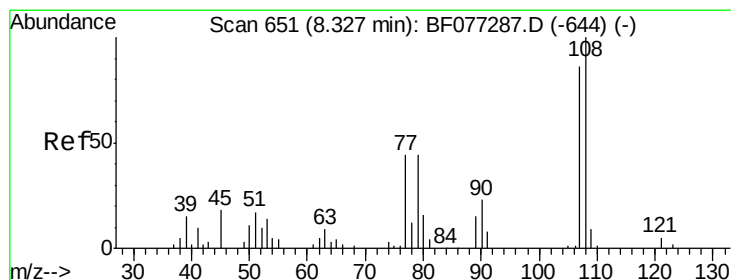
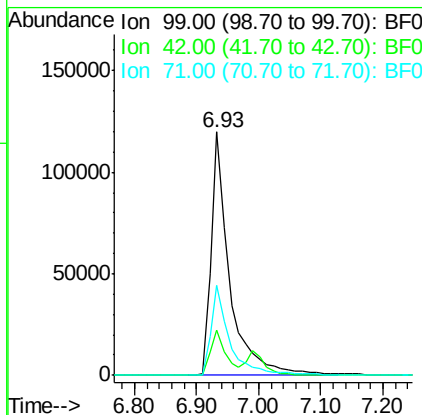
BNA_F

ClientSampleId :

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#17

2-Methylphenol

Concen: 3.29 ng m

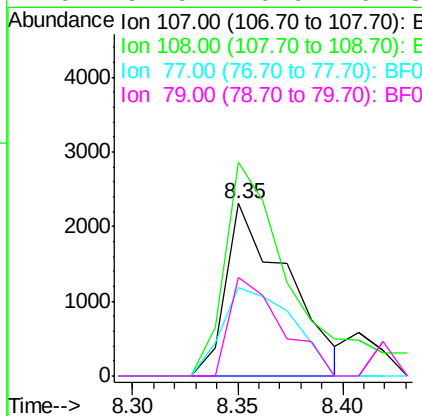
RT: 8.35 min Scan# 653

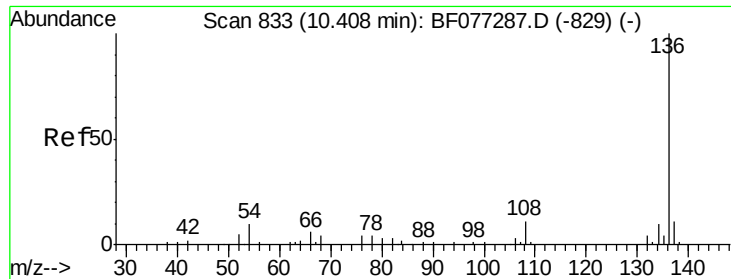
Delta R.T. 0.02 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion:	107	Resp:	4712
Ion Ratio	Lower	Upper	
107	100		
108	123.7	93.2	139.8
77	51.5	41.3	61.9
79	57.5	40.9	61.3





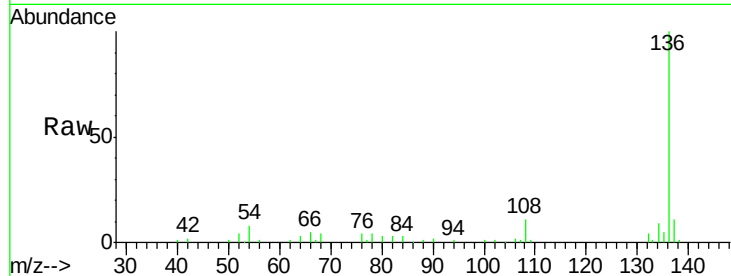
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.41 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

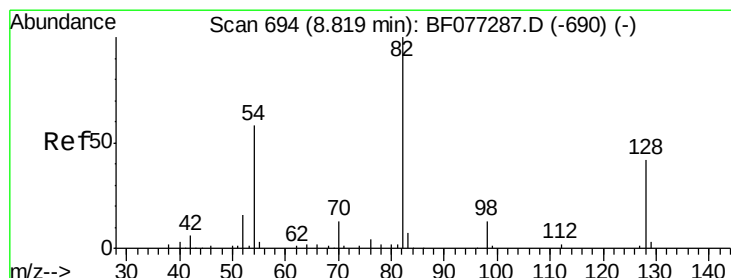
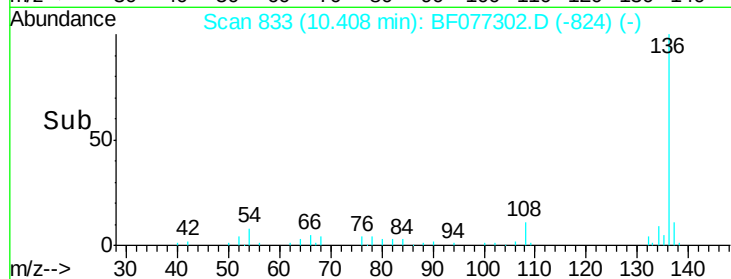
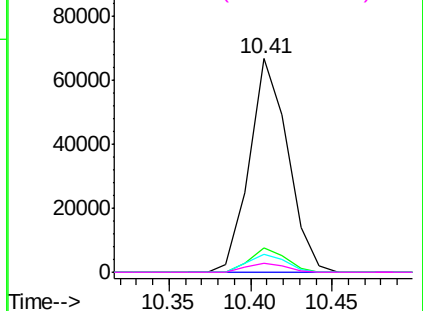
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		108761		
137	11.2	8.7	13.1		
54	8.3	8.2	12.2		
68	4.1	3.1	4.7		

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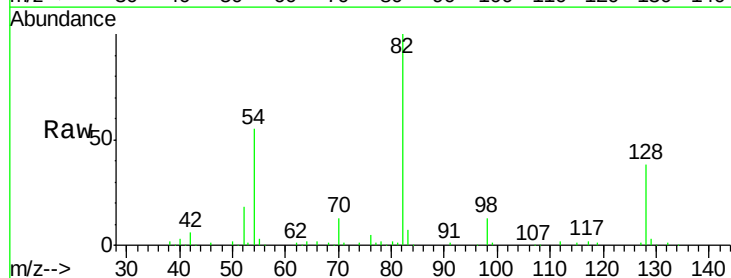


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

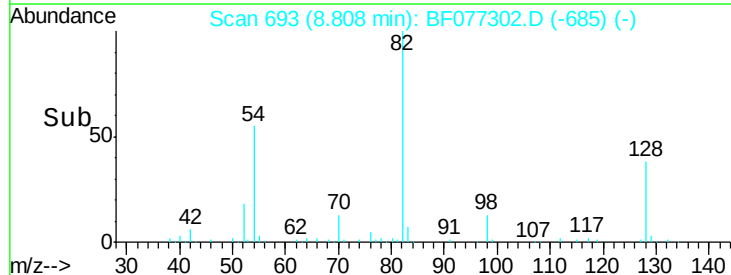
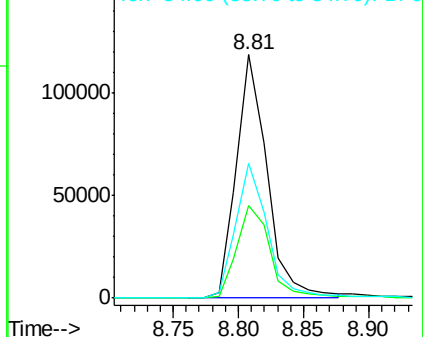


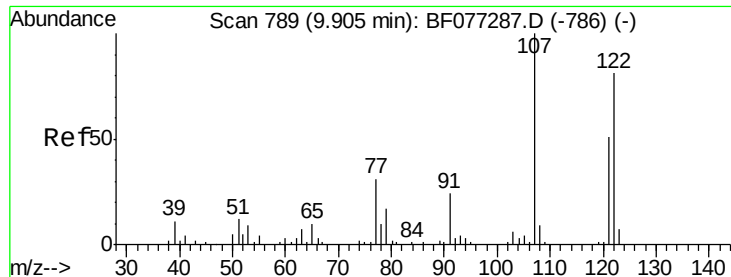
#23
Nitrobenzene-d5
Concen: 102.84 ng
RT: 8.81 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		195801		
128	38.3	33.6	50.4		
54	55.3	46.2	69.2		



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 5.06 ng/mL

RT: 9.92 min Scan# 790

Delta R.T. 0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

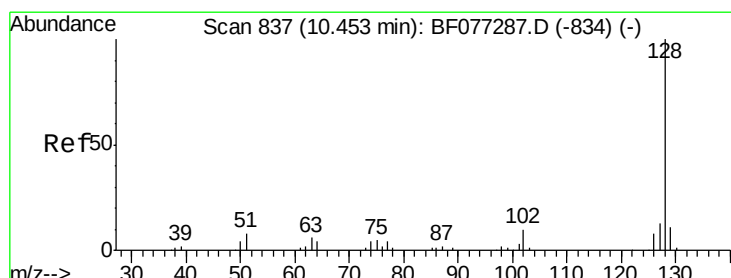
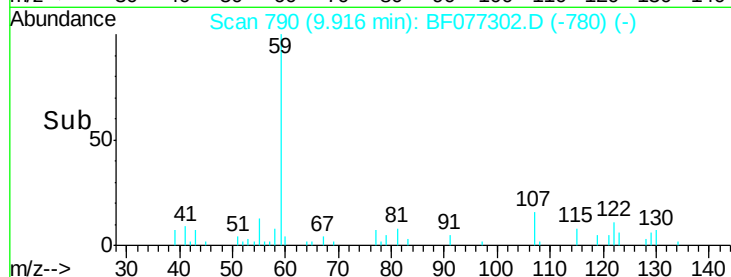
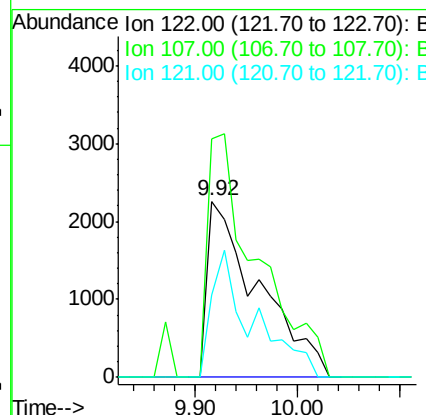
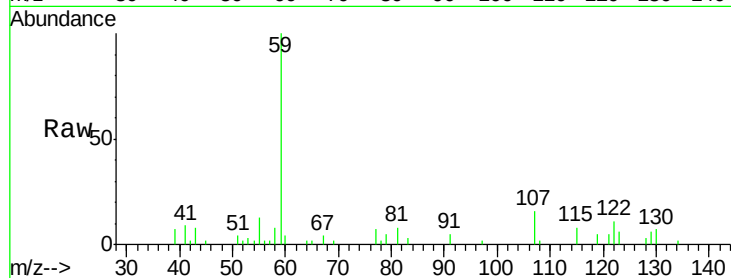
ClientSampleID :

PB81726TB

Tot Ion:	122	Resp:	7798
Ion Ratio	Lower	Upper	
122	100		
107	135.4	99.1	148.7
121	47.0	50.2	75.2#

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#31

Naphthalene

Concen: 229.48 ng

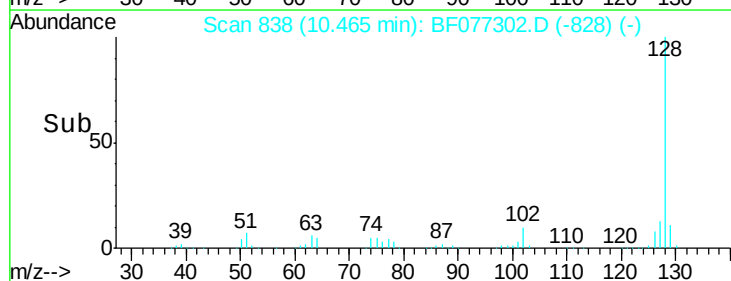
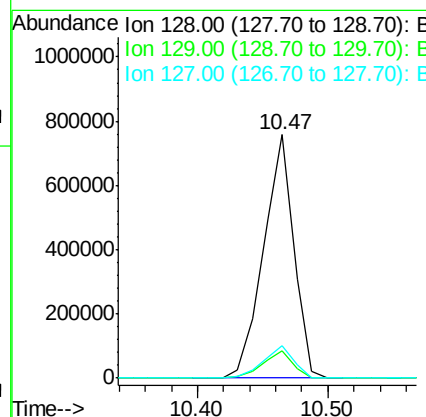
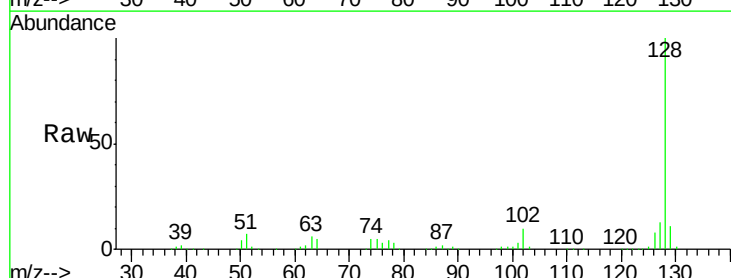
RT: 10.47 min Scan# 838

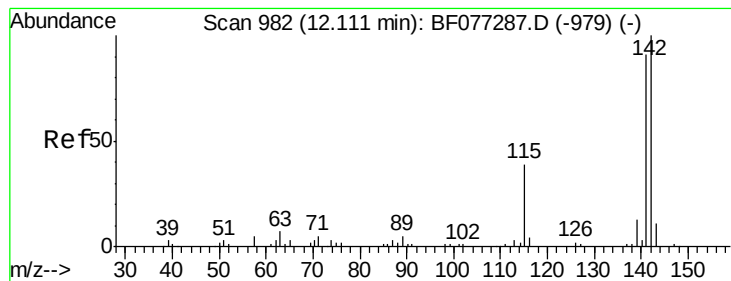
Delta R.T. 0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion:	128	Resp:	1231907
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	13.3	10.4	15.6





#37

2-Methylnaphthalene

Concen: 31.57 ng

RT: 12.11 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

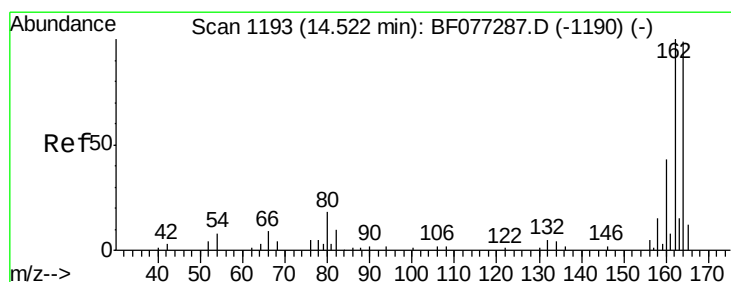
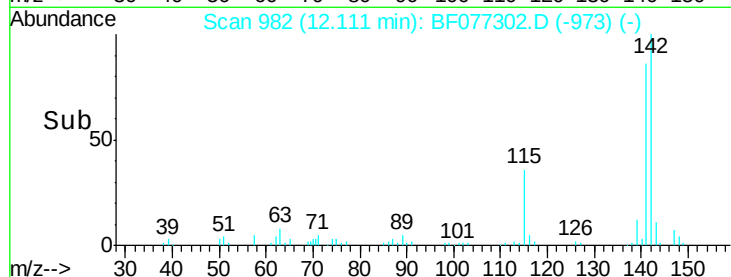
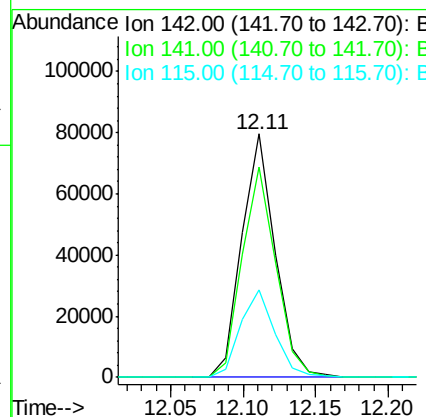
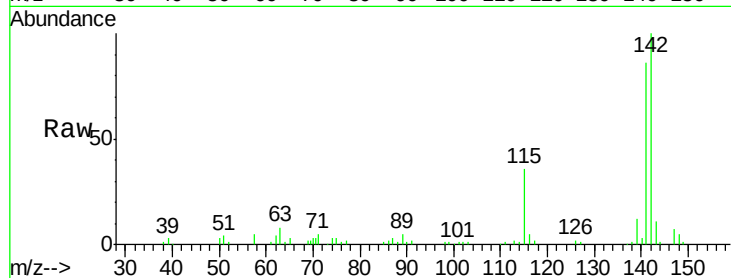
ClientSampled :

PB81726TB

Tot Ion:	142	Resp:	127041
Ion Ratio	Lower	Upper	
142	100		
141	86.3	69.8	104.6
115	35.8	29.5	44.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

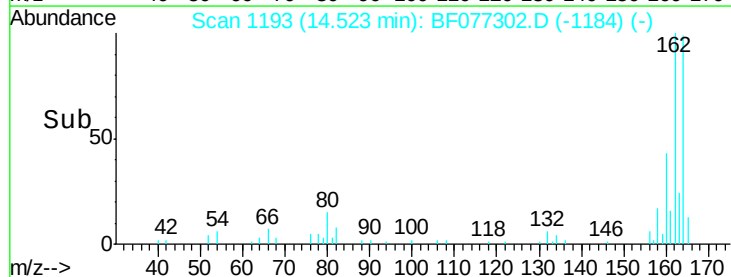
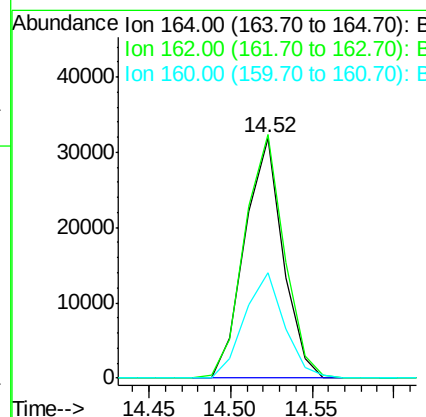
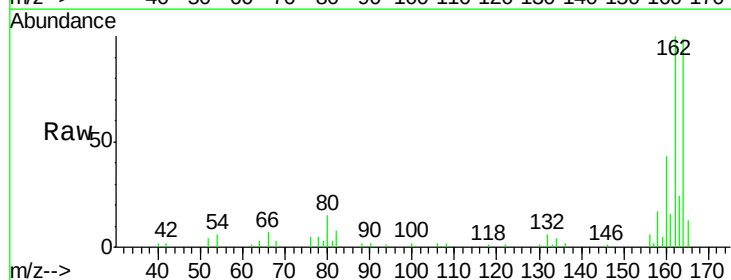
RT: 14.52 min Scan# 1193

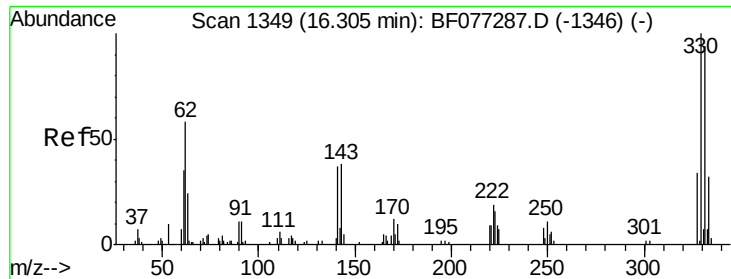
Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion:	164	Resp:	51627
Ion Ratio	Lower	Upper	
164	100		
162	101.5	81.0	121.4
160	43.7	35.2	52.8





#41

2,4,6-Tribromophenol

Concen: 176.22 ng

RT: 16.29 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

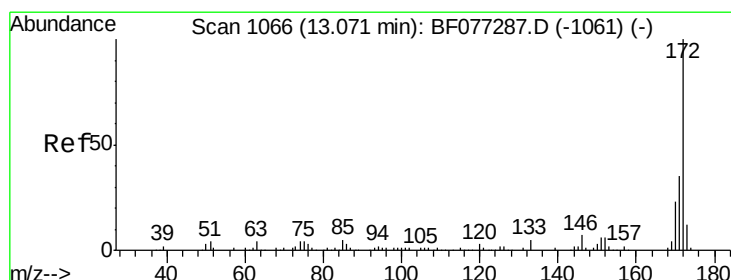
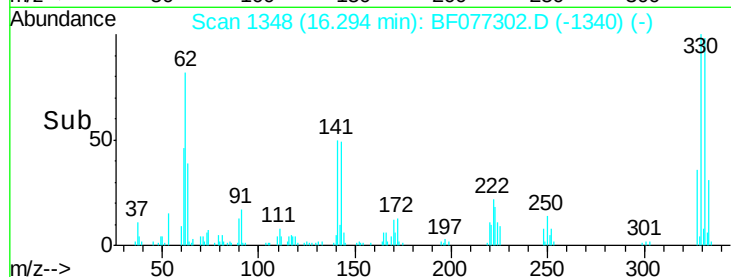
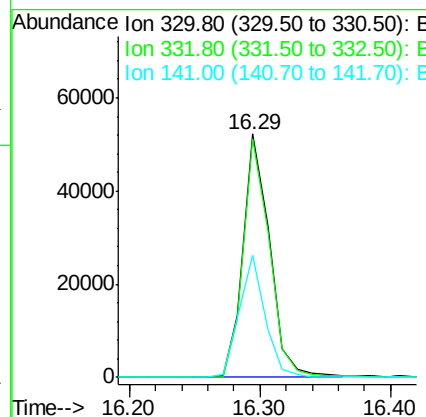
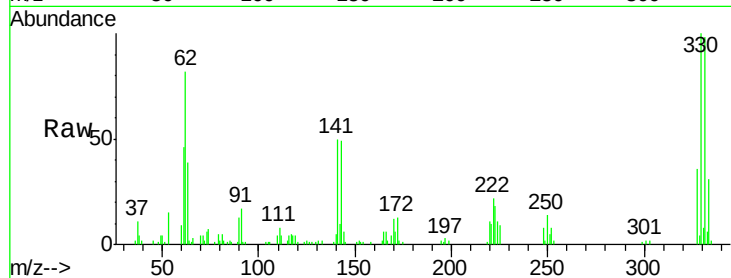
ClientSampleId :

PB81726TB

Tot Ion:	330	Resp:	74188
Ion Ratio	Lower	Upper	
330	100		
332	96.1	0.0	0.0#
141	48.3	0.0	0.0#

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#44

2-Fluorobiphenyl

Concen: 116.07 ng

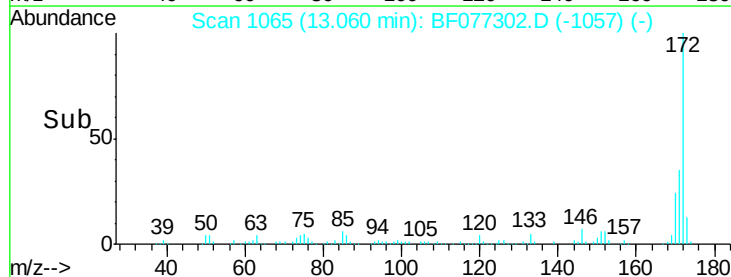
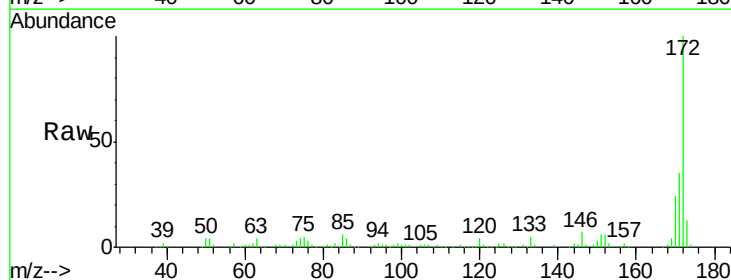
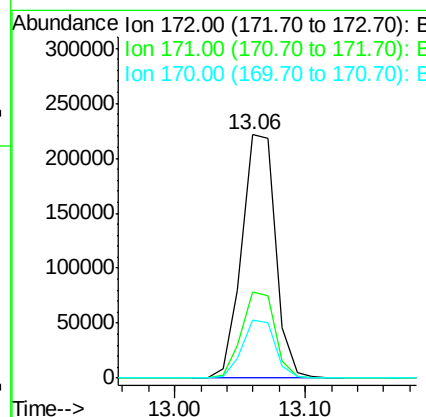
RT: 13.06 min Scan# 1065

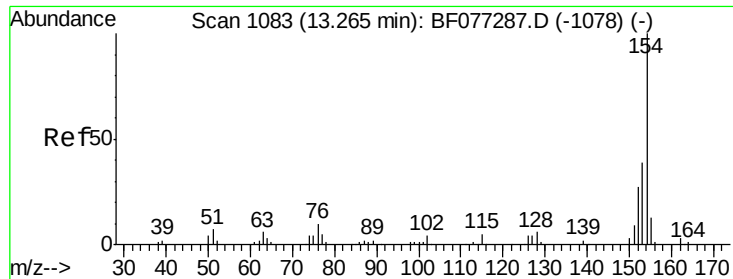
Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion:	172	Resp:	398120
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.8	41.8
170	23.6	18.3	27.5





#45

1,1'-Biphenyl

Concen: 2.47 ng

RT: 13.27 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

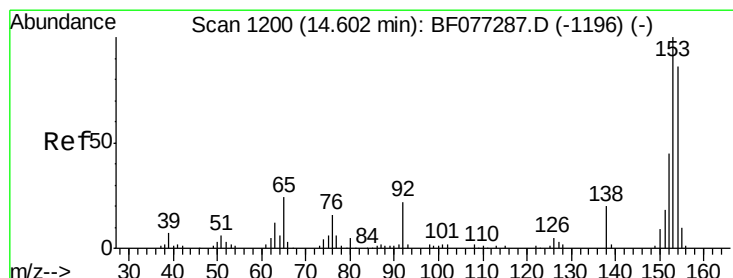
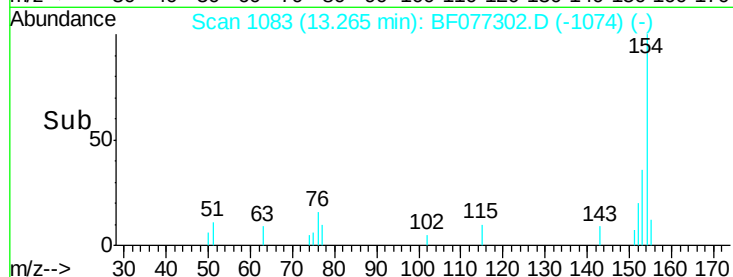
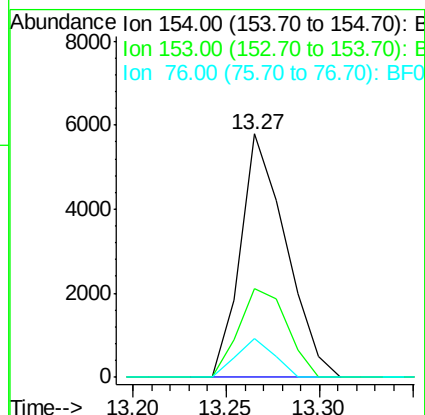
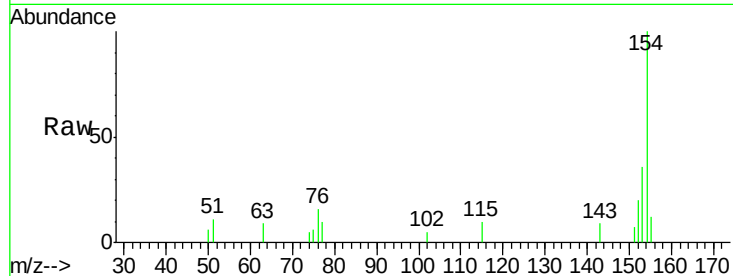
ClientSampleId :

PB81726TB

Tot Ion:	154	Resp:	9842
Ion Ratio	Lower	Upper	
154	100		
153	36.4	18.9	58.9
76	16.1	0.0	30.4

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#51

Acenaphthene

Concen: 6.25 ng

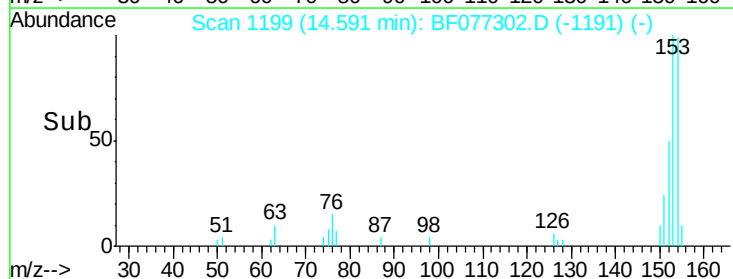
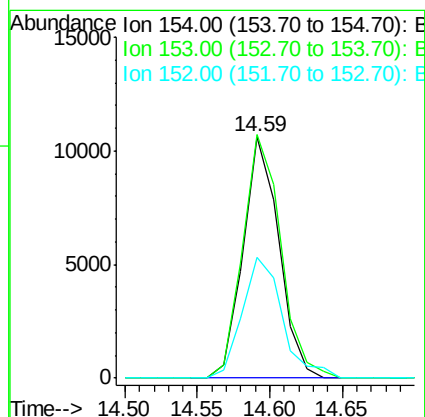
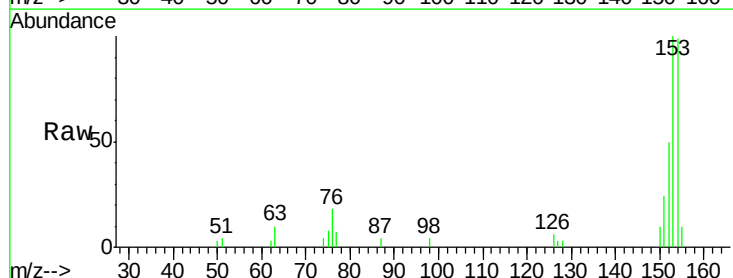
RT: 14.59 min Scan# 1199

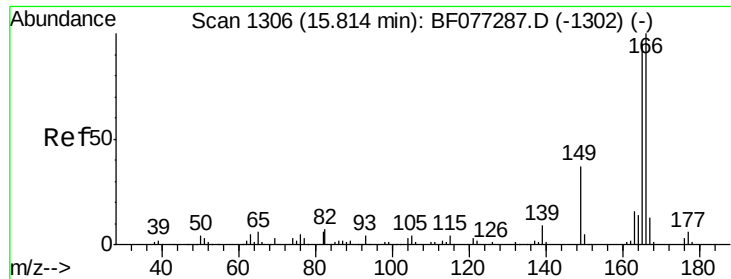
Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion:	154	Resp:	18158
Ion Ratio	Lower	Upper	
154	100		
153	101.0	92.5	138.7
152	50.3	42.1	63.1





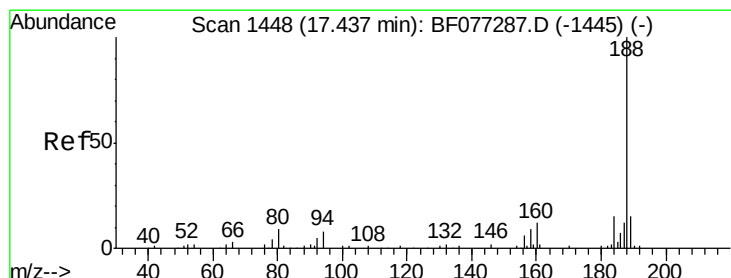
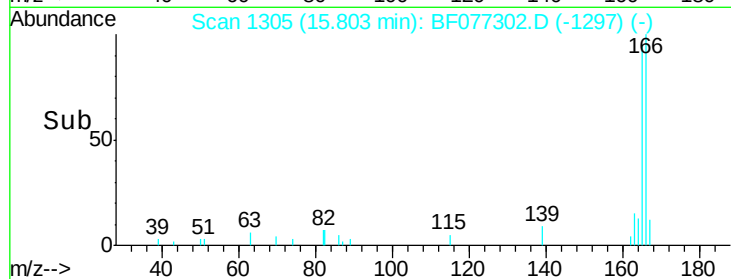
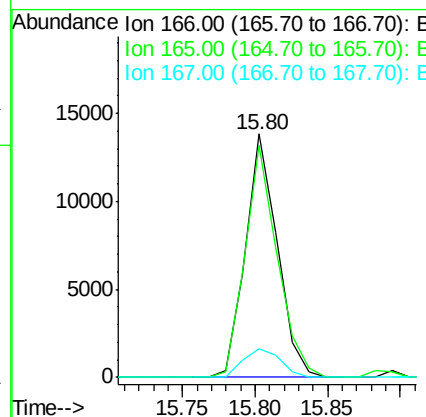
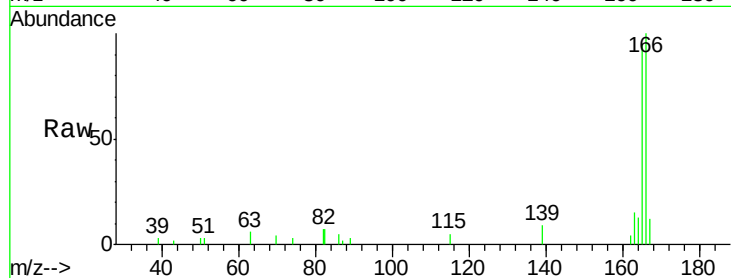
#57
Fluorene
Concen: 5.71 ng
RT: 15.80 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.4	75.9	113.9
167	11.7	10.2	15.4

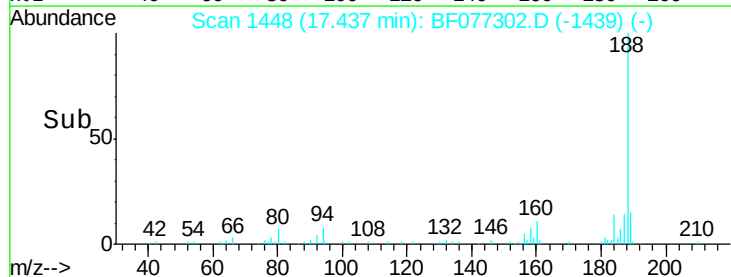
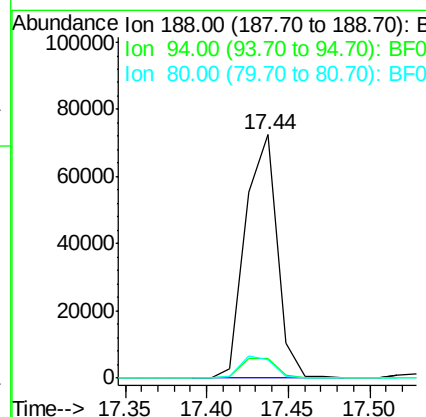
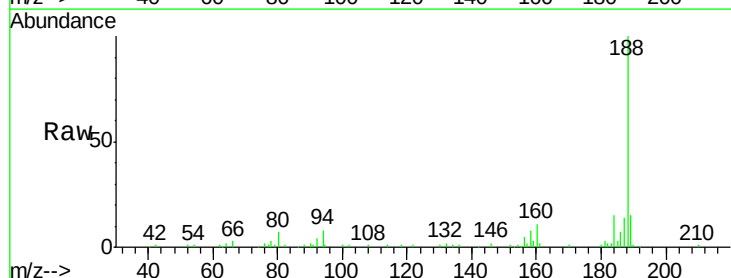
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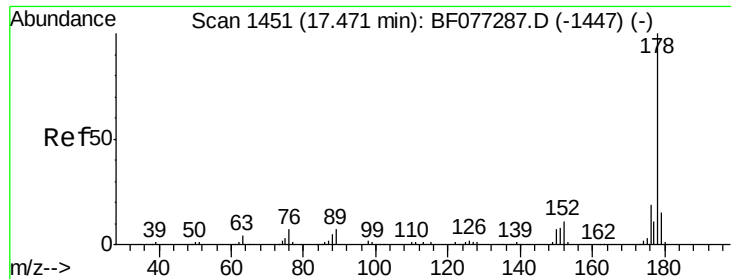
mohammad
2/13/2015 5:40:47 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.44 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.5	9.7
80	7.5	7.1	10.7





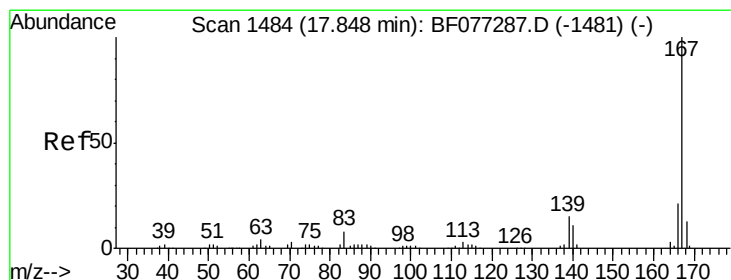
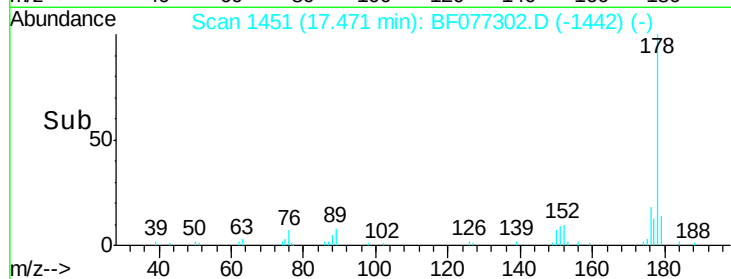
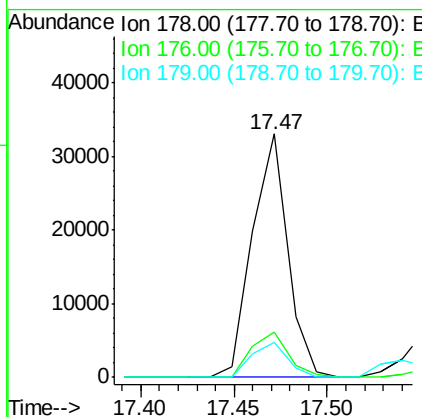
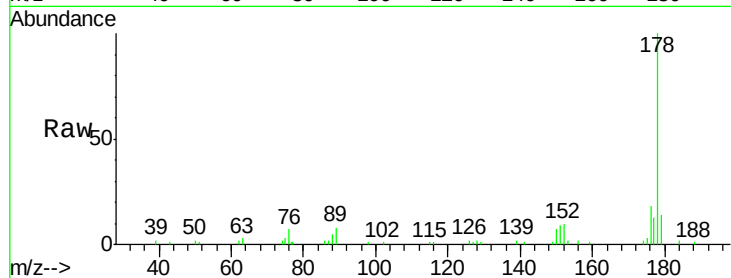
#70
Phenanthrene
Concen: 7.41 ng
RT: 17.47 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	14.3	12.1	18.1

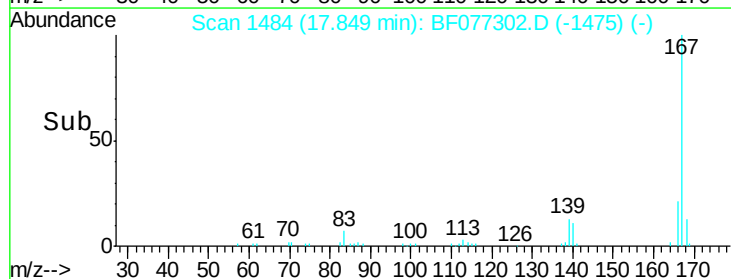
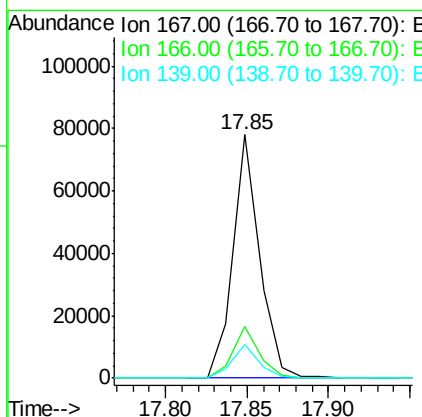
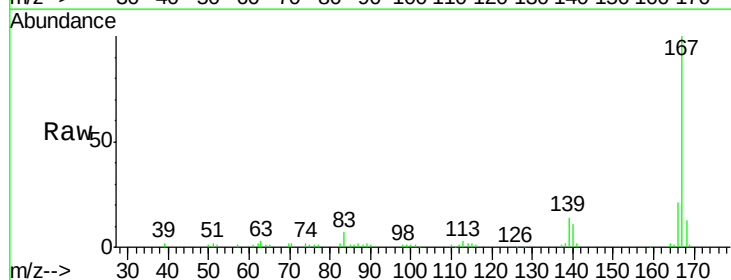
Manual Integrations
APPROVED

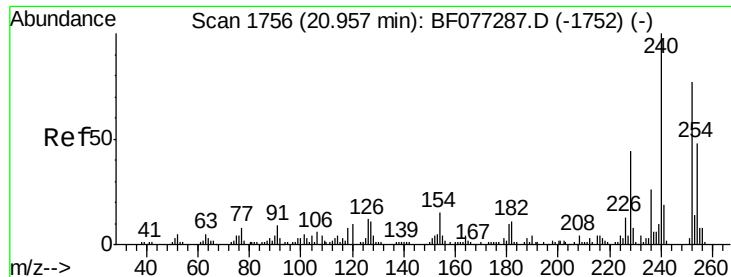
mohammad
2/13/2015 5:40:47 PM



#72
Carbazole
Concen: 15.64 ng
RT: 17.85 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	14.0	11.7	17.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 20.95 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Instrument :

BNA_F

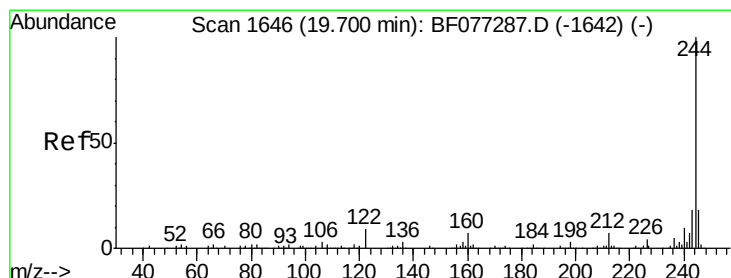
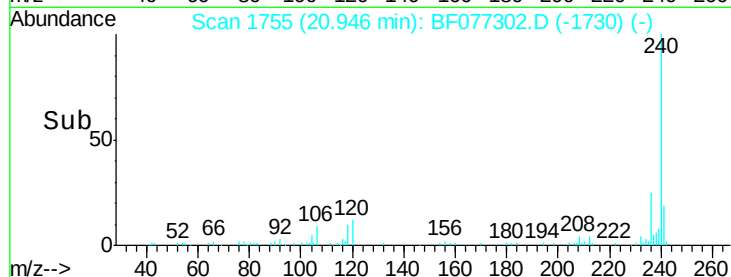
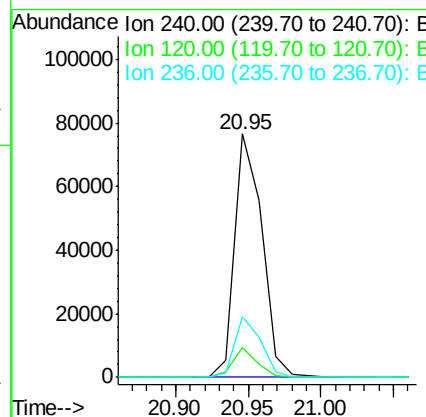
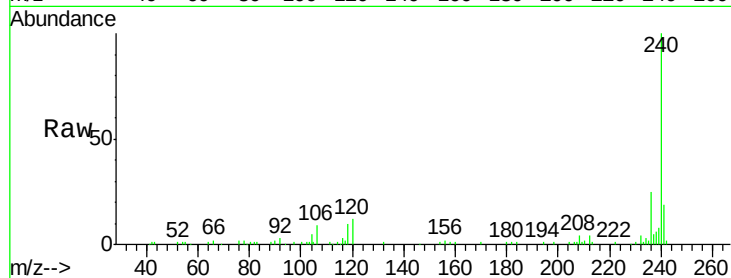
ClientSampleID :

PB81726TB

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.1	7.8	11.8#
236	24.9	20.4	30.6

Manual Integrations
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2/13/2015 5:40:47 PM



#78

Terphenyl-d14

Concen: 99.14 ng

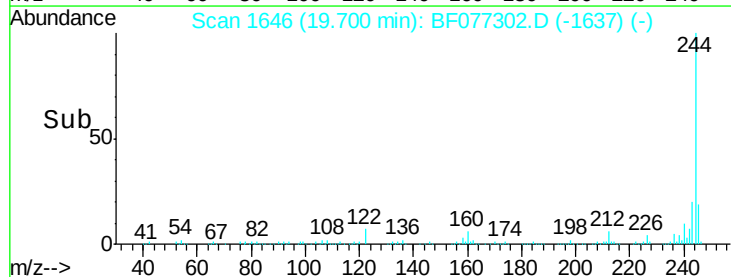
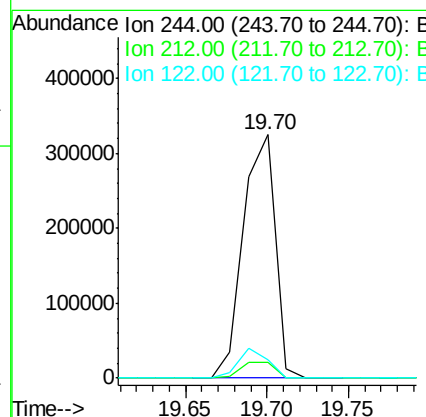
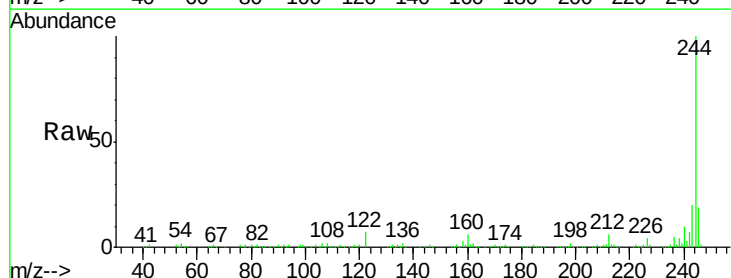
RT: 19.70 min Scan# 1646

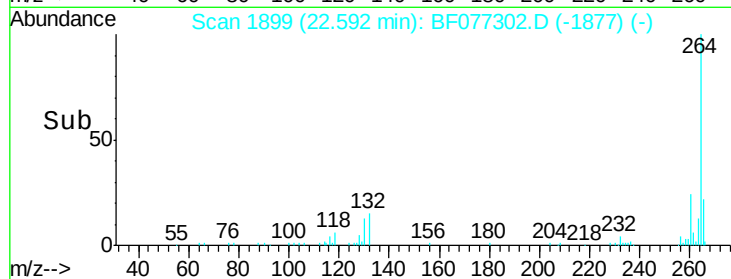
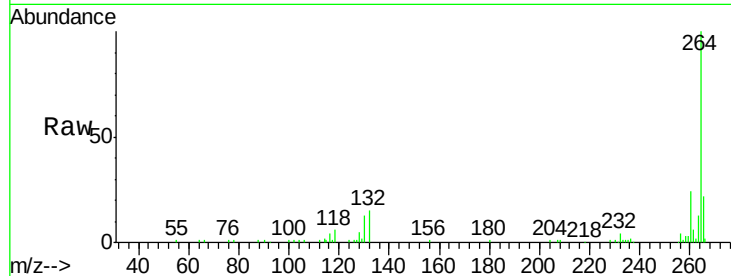
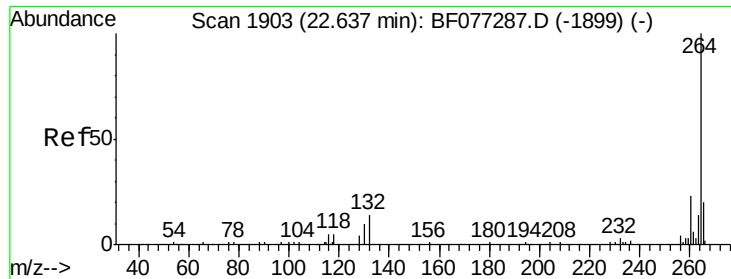
Delta R.T. 0.00 min

Lab File: BF077302.D

Acq: 13 Feb 2015 1:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	7.4	7.0	10.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.59 min Scan# 1899
Delta R.T. -0.05 min
Lab File: BF077302.D
Acq: 13 Feb 2015 1:45

Instrument :
BNA_F
ClientSampleId :
PB81726TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.9	16.2	24.2

Manual Integrations
APPROVED

mohammad
2/13/2015 5:40:47 PM

