

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
 Data File : BM001665.D
 Acq On : 12 Jun 2015 07:15
 Operator : TP/IZ
 Sample : G2449-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 FM2A

Manual Integrations
 APPROVED

apatel
 6/15/2015 12:42:01 PM

Quant Time: Jun 12 17:38:48 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:27:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	24813	5.00	ng	0.00
6) Naphthalene-d8	10.47	136	97192	5.00	ng	0.00
12) Acenaphthene-d10	14.34	164	48864	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	57263	5.00	ng	0.00
25) Chrysene-d12	21.27	240	68751	5.00	ng	0.00
32) Perylene-d12	23.50	264	56915	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	14147	2.41	ng	0.00
5) Phenol-d6	6.84	99	20678	2.80	ng	0.00
7) Nitrobenzene-d5	8.85	82	12995	1.75	ng	0.00
13) 2,4,6-Tribromophenol	15.83	330	4802	2.70	ng	0.00
14) 2-Fluorobiphenyl	12.96	172	29299	1.72	ng	0.00
27) Terphenyl-d14	19.71	244	19269	1.86	ng	-0.01
Target Compounds						
9) Naphthalene	10.52	128	23466	1.00	ng	Qvalue 100
11) 2-Methylnaphthalene	12.14	142	7965	0.52	ng	# 86
15) Acenaphthylene	14.05	152	18396	0.81	ng	99
16) Acenaphthene	14.40	154	16068	1.11	ng	99
17) Fluorene	15.36	166	24061	1.62	ng	# 96
22) Phenanthrene	17.12	178	233657	12.44	ng	# 99
23) Anthracene	17.19	178	84630m	3.81	ng	
24) Fluoranthene	19.14	202	499790	17.96	ng	99
26) Pyrene	19.50	202	453721	19.22	ng	# 96
28) Benzo(a)anthracene	21.25	228	215371	9.97	ng	97
29) Chrysene	21.30	228	146434	7.08	ng	98
31) Indeno(1,2,3-cd)pyrene	25.75	276	71547	4.41	ng	95
33) Benzo(b)fluoranthene	22.82	252	181354m	9.77	ng	
34) Benzo(k)fluoranthene	22.87	252	56158m	3.11	ng	
35) Benzo(a)pyrene	23.40	252	126805	8.20	ng	98
36) Dibenzo(a,h)anthracene	25.76	278	18039	1.39	ng	96
37) Benzo(g,h,i)perylene	26.44	276	68637	5.19	ng	99

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

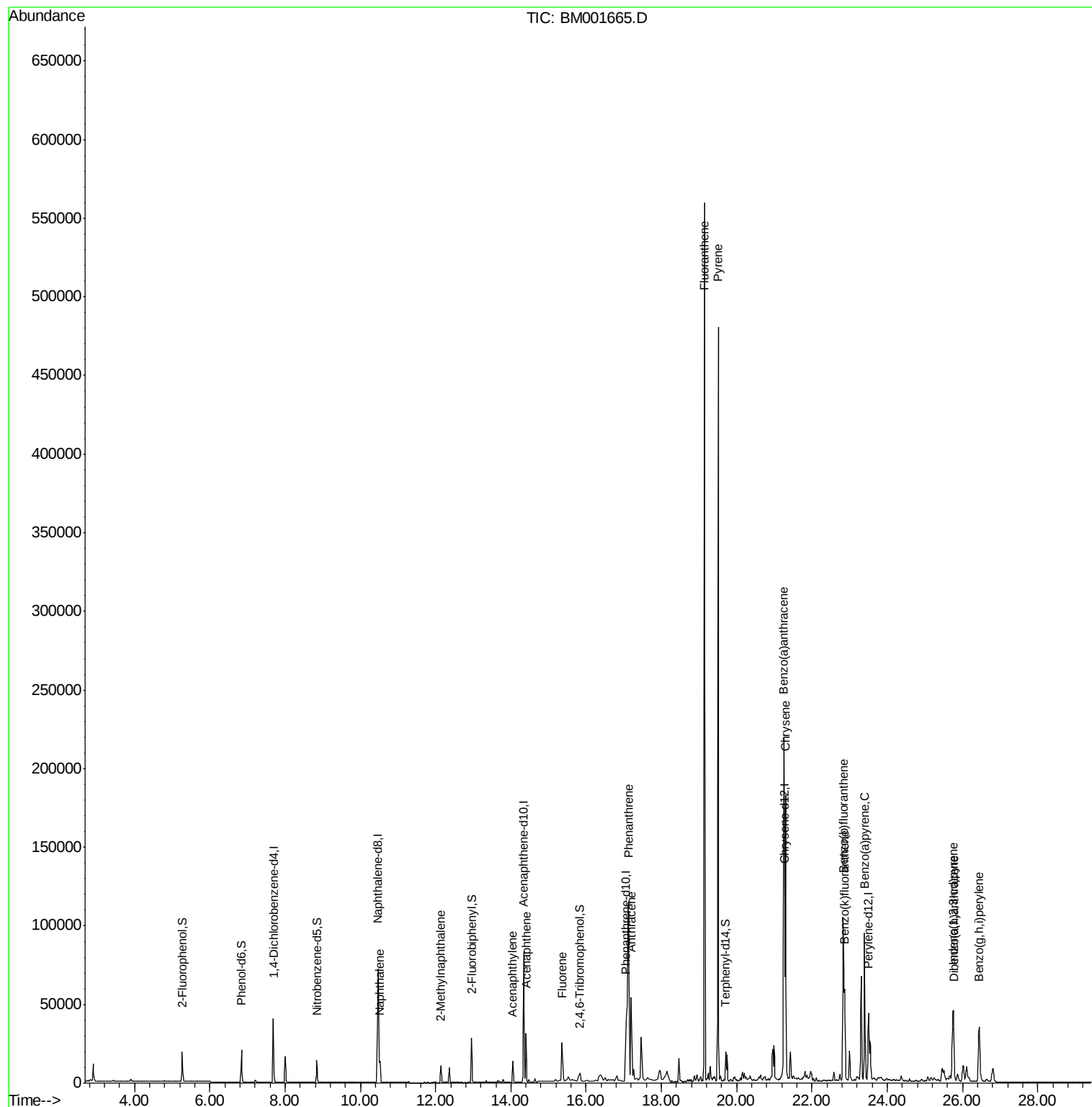
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061215\
Data File : BM001665.D
Acq On : 12 Jun 2015 07:15
Operator : TP/IZ
Sample : G2449-03 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

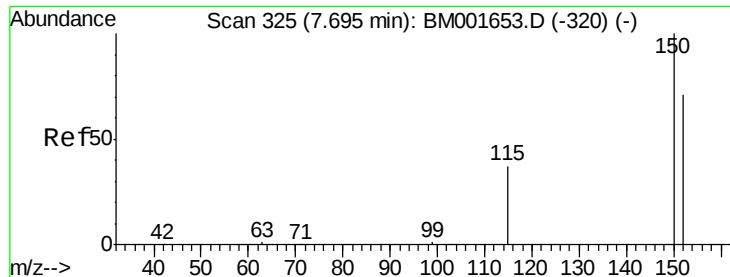
Instrument :
BNA_M
ClientSampleId :
FM2A

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM

Quant Time: Jun 12 17:38:48 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 16:27:37 2015
Response via : Initial Calibration





#1

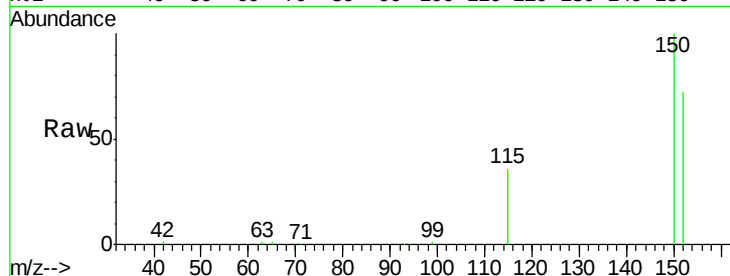
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.70 min Scan# 325
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Instrument :
BNA_M
ClientSampleId :
FM2A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.2	112.2	168.2
115	50.3	41.7	62.5

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM

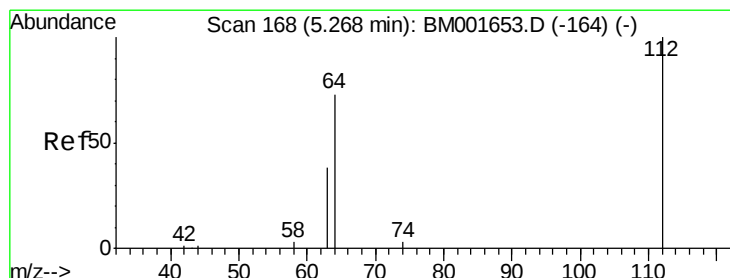
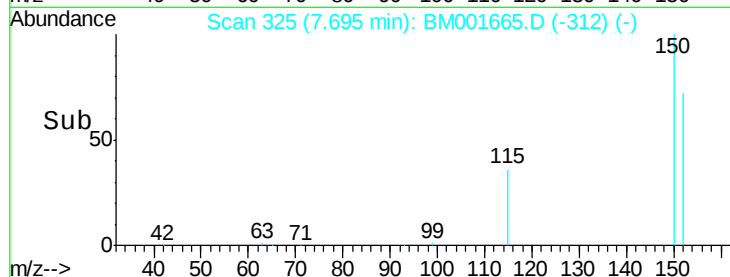
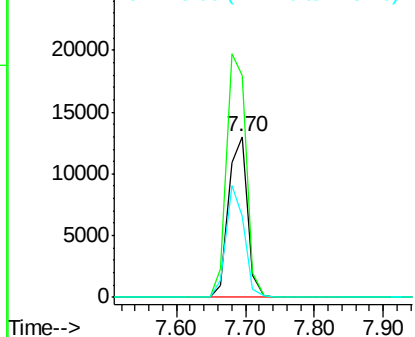


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

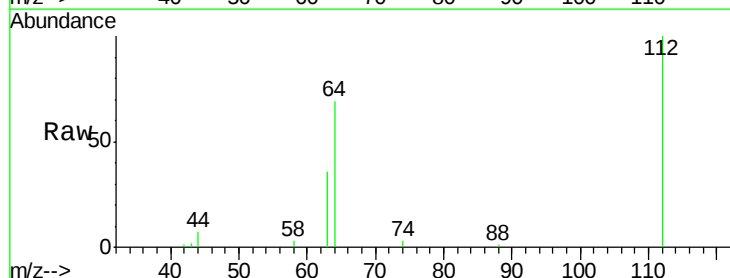
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 2.41 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.0	55.5	83.3
63	37.6	29.9	44.9

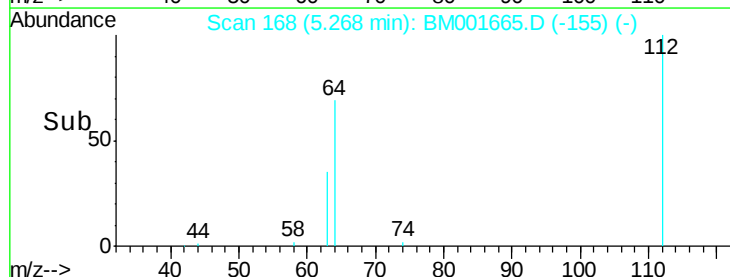
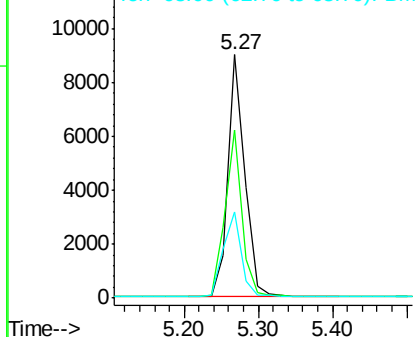


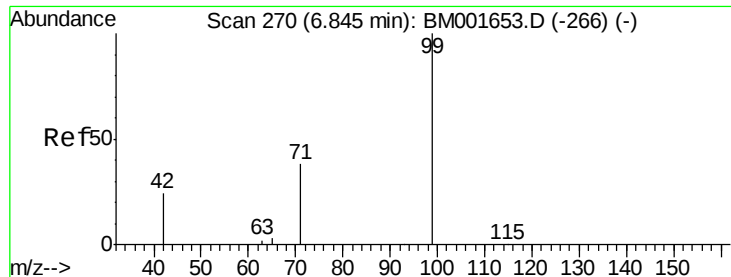
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 2.80 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Instrument :

BNA_M

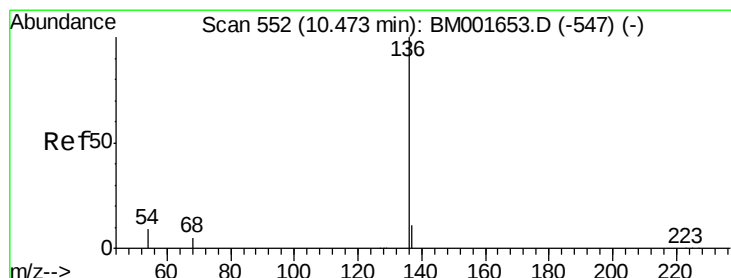
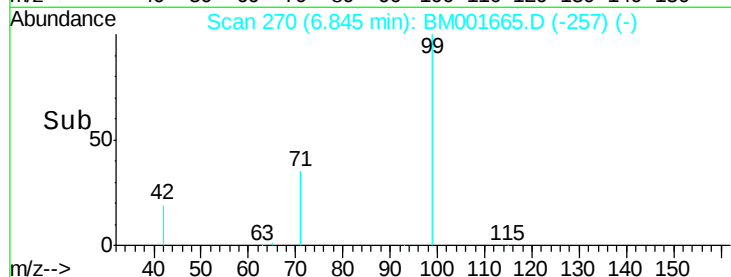
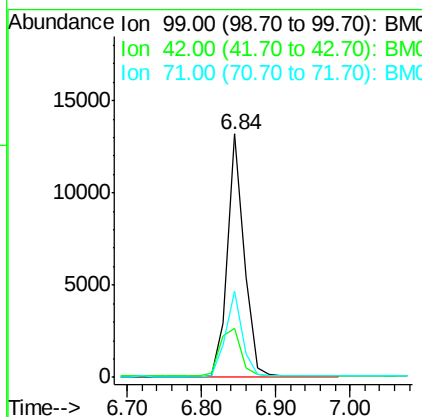
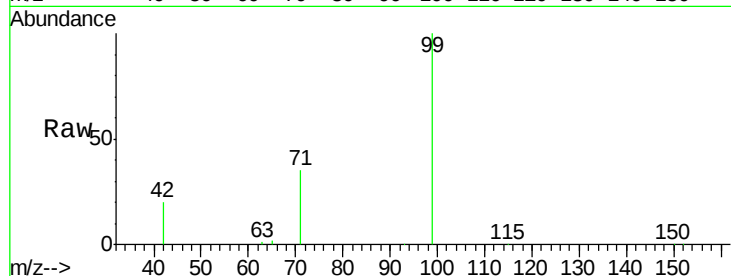
ClientSampleId :

FM2A

Tgt Ion:	99	Resp:	20678
Ion Ratio	Lower	Upper	
99	100		
42	24.2	21.6	32.4
71	34.9	28.7	43.1

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM



#6

Naphthalene-d8

Concen: 5.00 ng

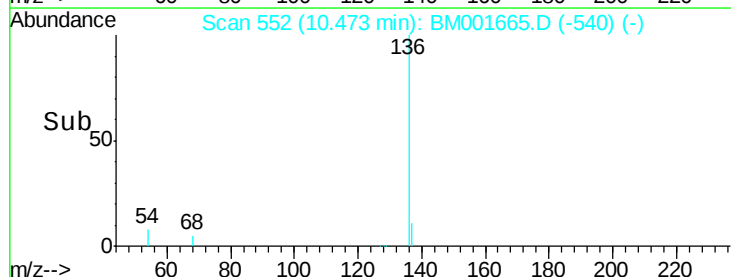
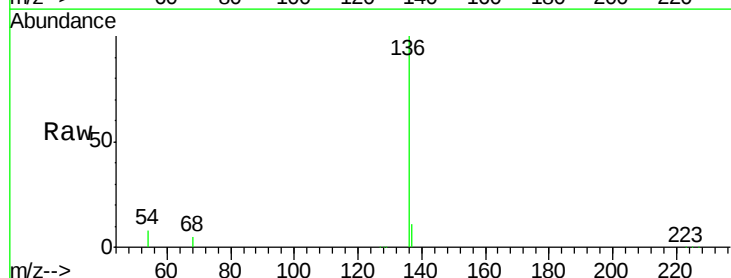
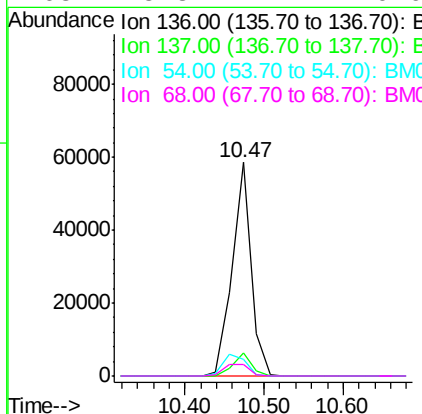
RT: 10.47 min Scan# 552

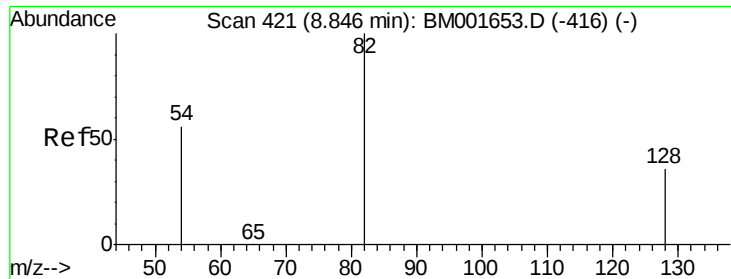
Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Tgt Ion:	136	Resp:	97192
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.8	6.9	10.3
68	5.3	4.4	6.6





#7

Nitrobenzene-d5

Concen: 1.75 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001665.D

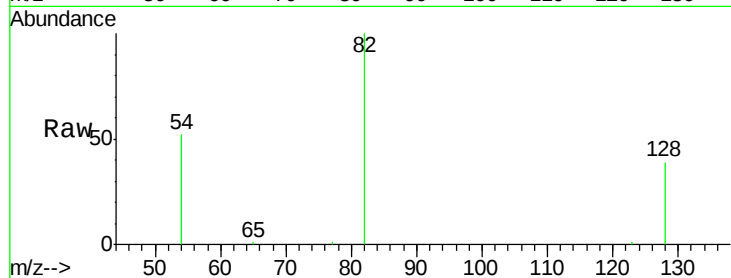
Acq: 12 Jun 2015 07:15

Instrument :

BNA_M

ClientSampleId :

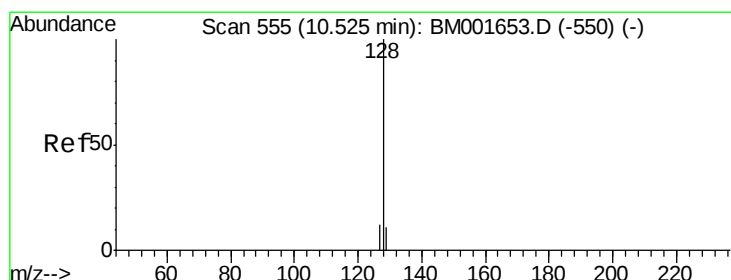
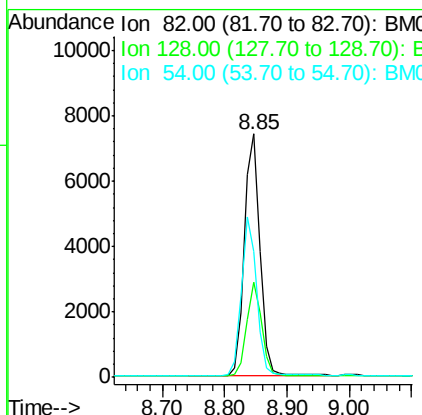
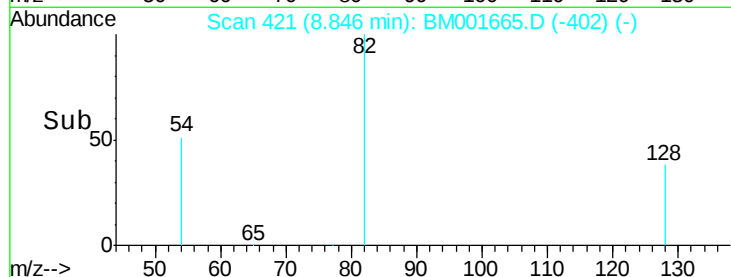
FM2A



Tgt Ion	82	Resp	12995
Ion Ratio	100	Lower	Upper
128	38.9	29.7	44.5
54	51.6	45.1	67.7

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM



#9

Naphthalene

Concen: 1.00 ng

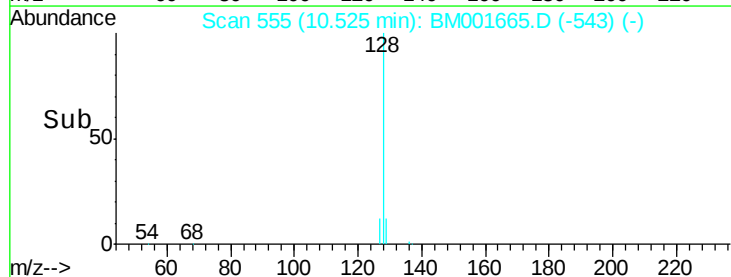
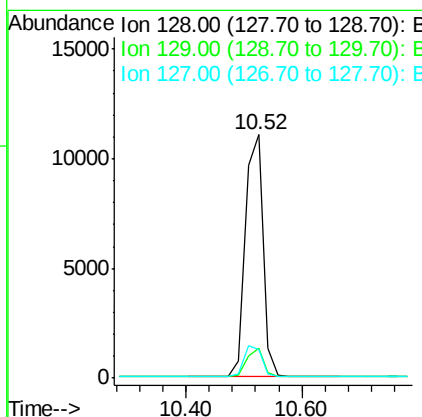
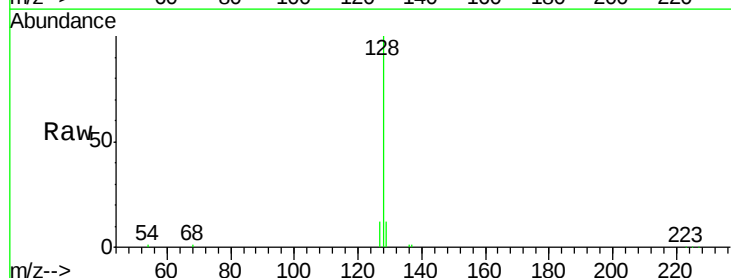
RT: 10.52 min Scan# 555

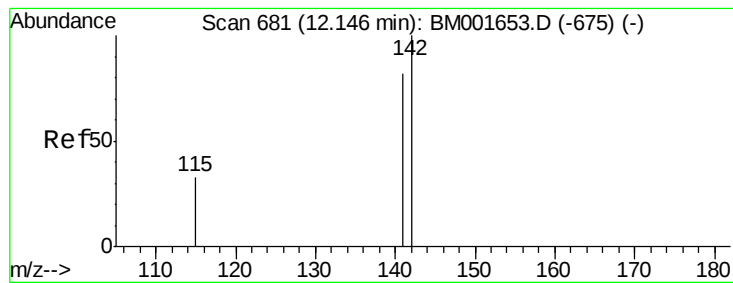
Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Tgt Ion	128	Resp	23466
Ion Ratio	100	Lower	Upper
129	12.0	9.4	14.2
127	12.0	9.7	14.5





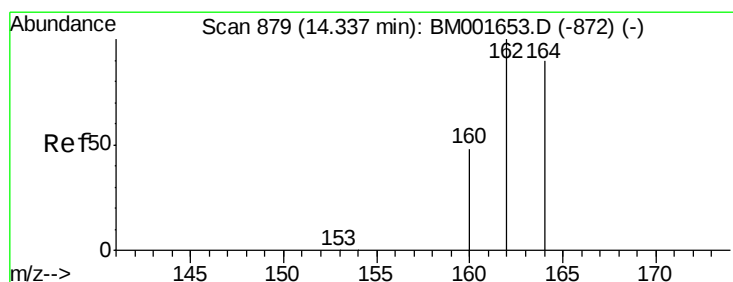
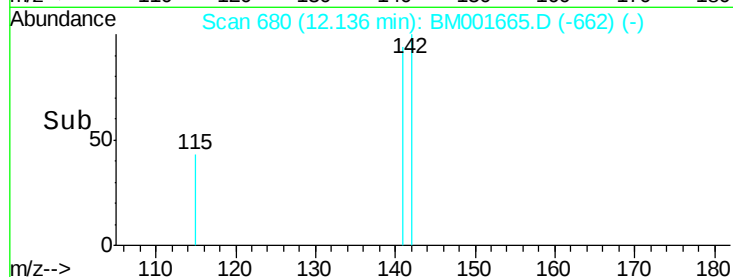
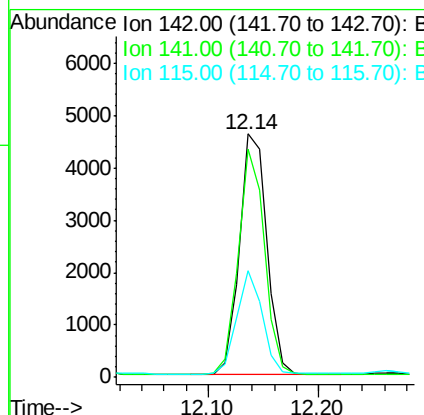
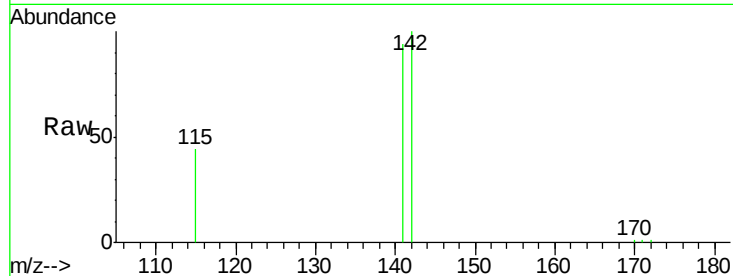
#11
2-Methylnaphthalene
Concen: 0.52 ng
RT: 12.14 min Scan# 680
Delta R.T. -0.01 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Instrument :
BNA_M
ClientSampleId :
FM2A

Tgt Ion:142 Resp: 7965
Ion Ratio Lower Upper
142 100
141 93.9 65.8 98.6
115 43.8 27.0 40.6#

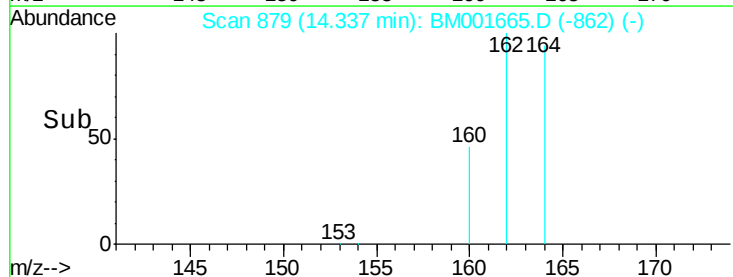
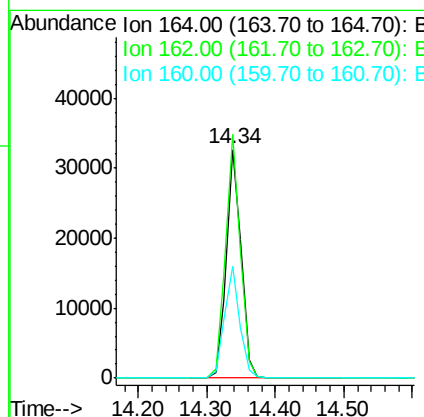
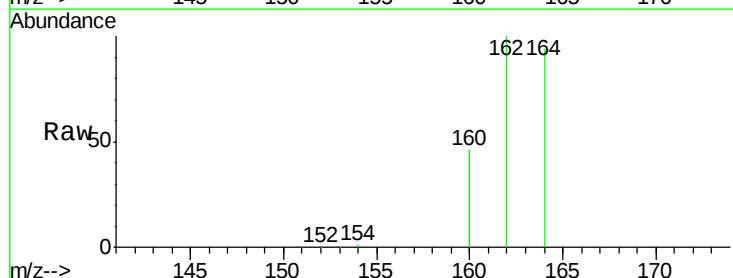
Manual Integrations
APPROVED

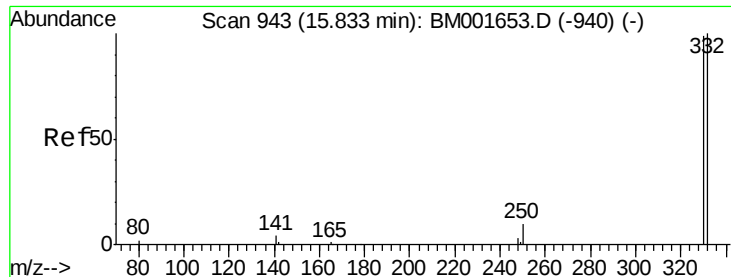
apatel
6/15/2015 12:42:01 PM



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.34 min Scan# 879
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Tgt Ion:164 Resp: 48864
Ion Ratio Lower Upper
164 100
162 106.6 89.0 133.4
160 48.9 42.6 63.8





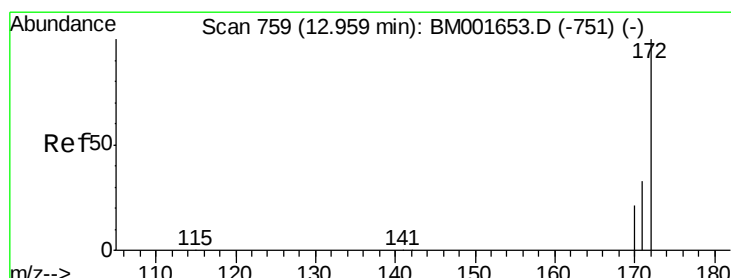
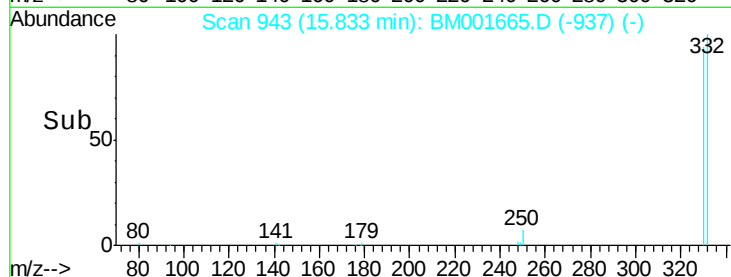
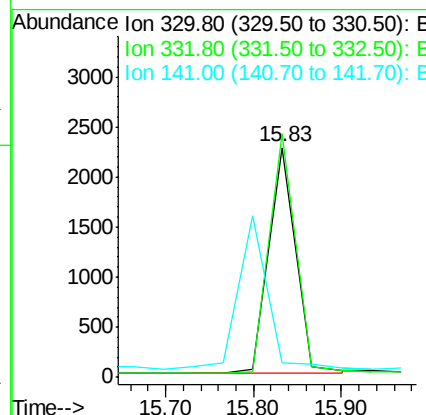
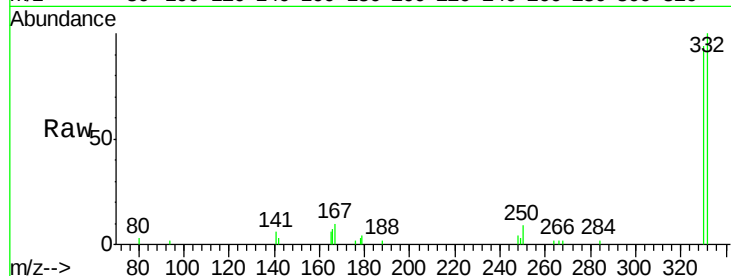
#13
 2,4,6-Tribromophenol
 Concen: 2.70 ng
 RT: 15.83 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Instrument :
 BNA_M
 ClientSampleId :
 FM2A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	105.4	80.6	120.8
141	0.0	0.0	0.0

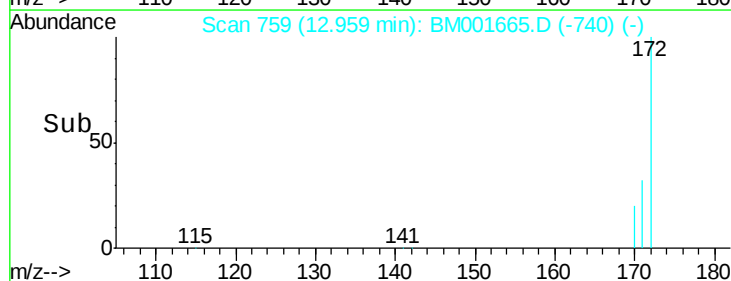
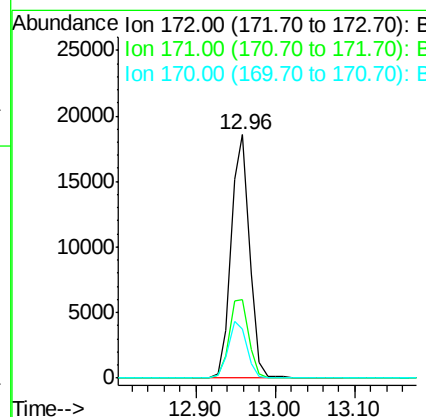
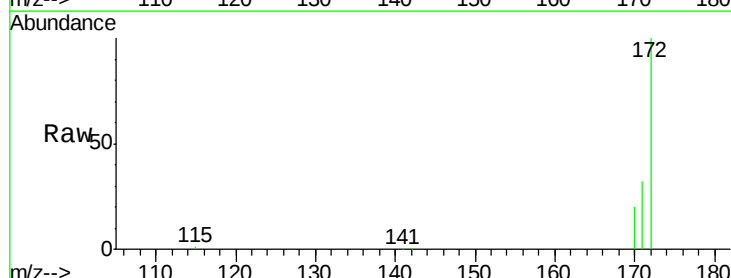
Manual Integrations
 APPROVED

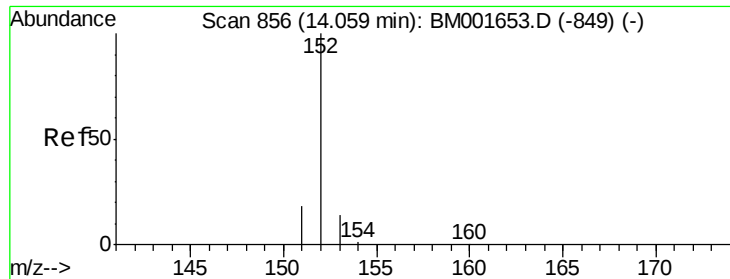
apatel
 6/15/2015 12:42:01 PM



#14
 2-Fluorobiphenyl
 Concen: 1.72 ng
 RT: 12.96 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.4	26.6	40.0
170	20.1	17.1	25.7





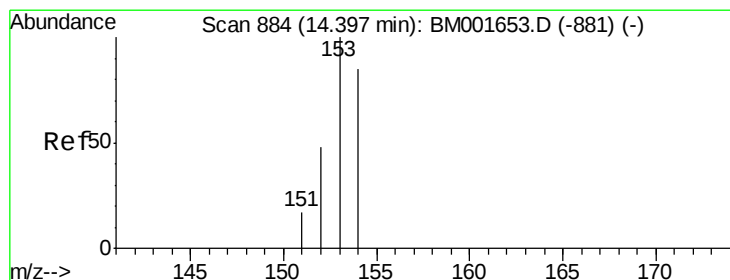
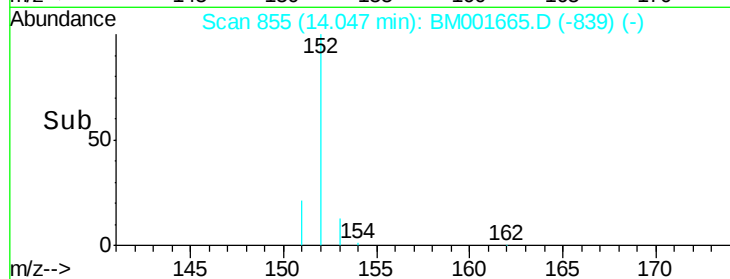
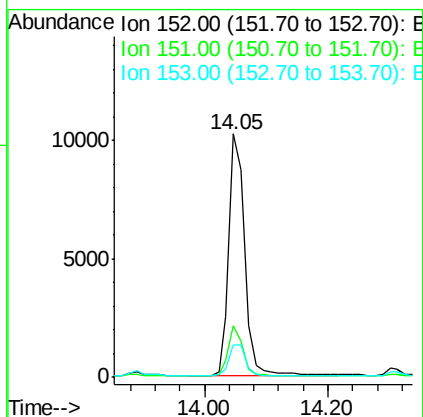
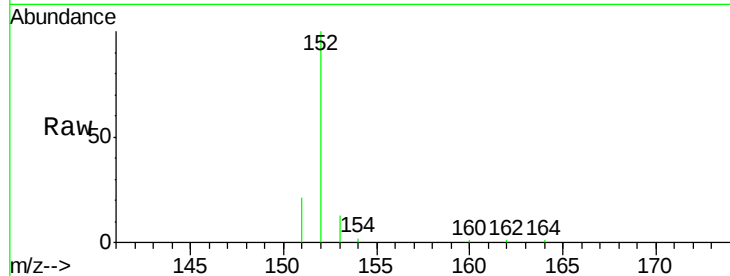
#15
Acenaphthylene
Concen: 0.81 ng
RT: 14.05 min Scan# 855
Delta R.T. -0.01 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Instrument :
BNA_M
ClientSampleId :
FM2A

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.9	10.2	15.4

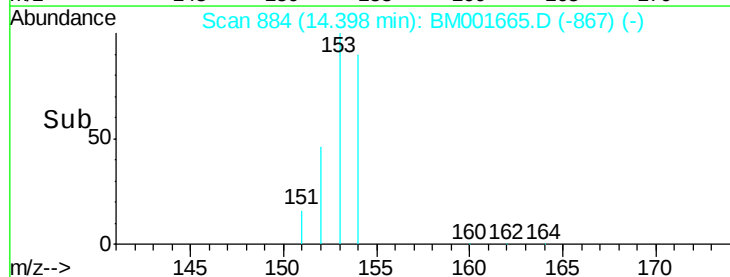
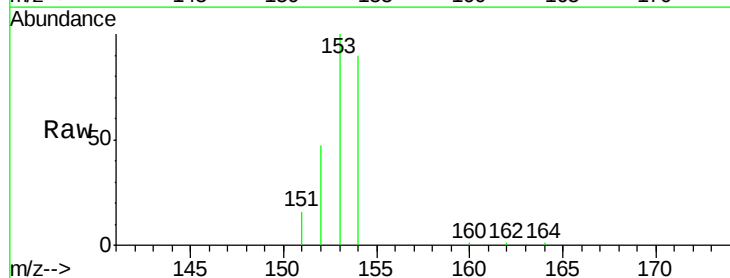
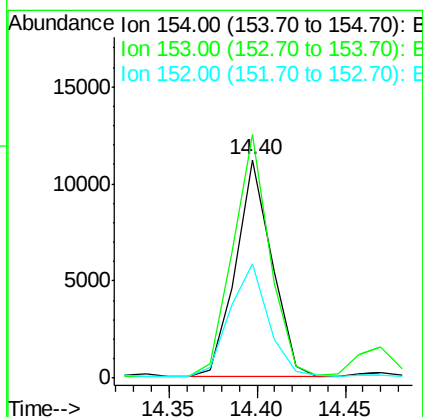
Manual Integrations
APPROVED

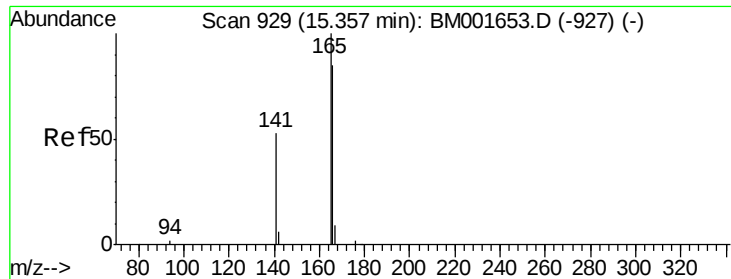
apatel
6/15/2015 12:42:01 PM



#16
Acenaphthene
Concen: 1.11 ng
RT: 14.40 min Scan# 884
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.0	136.6
152	55.1	43.8	65.8





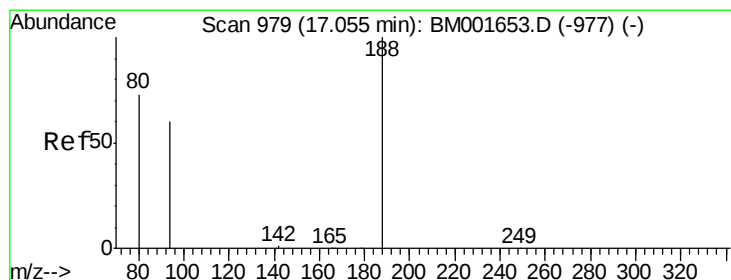
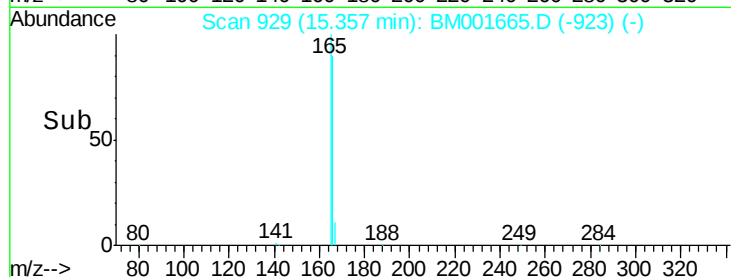
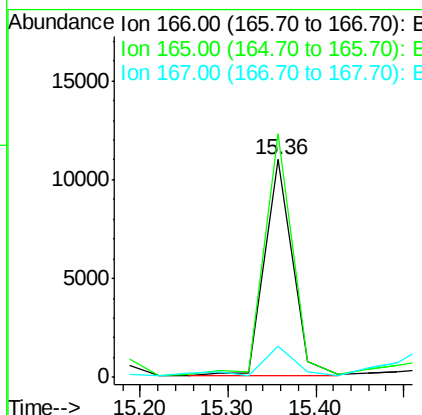
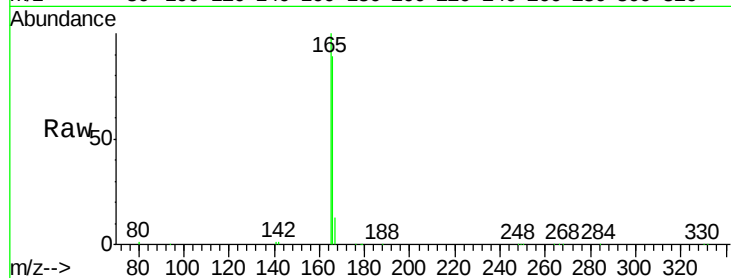
#17
Fluorene
Concen: 1.62 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Instrument :
BNA_M
ClientSampleId :
FM2A

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.0	90.7	136.1
167	18.3	9.4	14.0

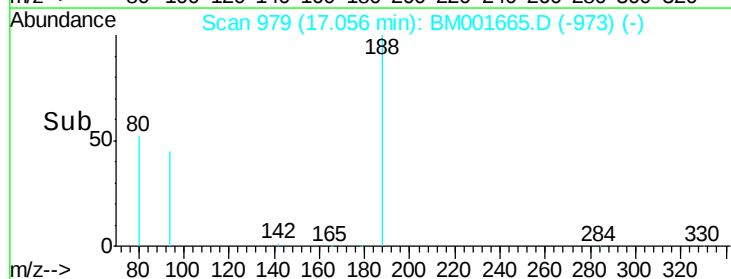
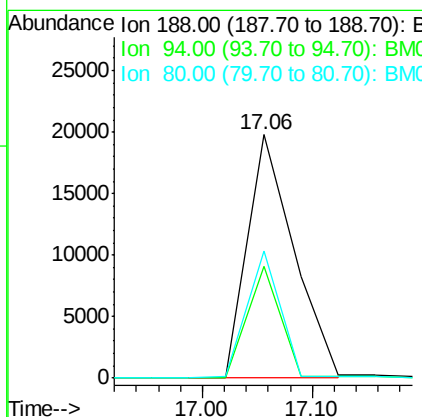
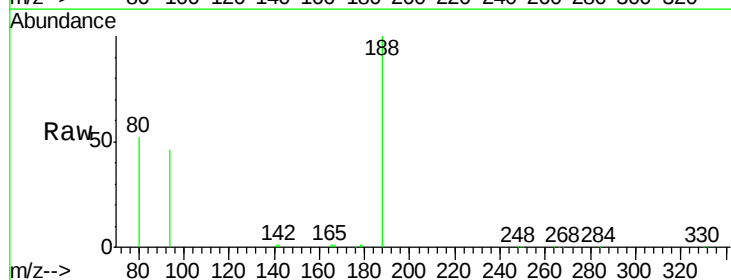
Manual Integrations
APPROVED

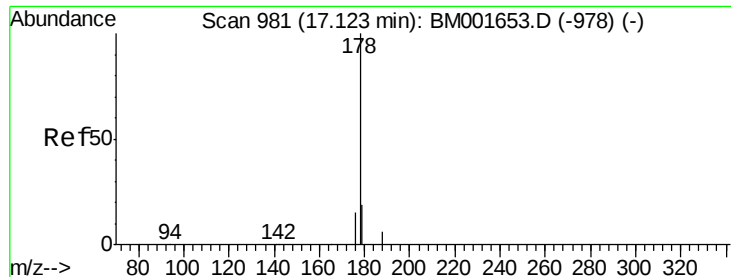
apatel
6/15/2015 12:42:01 PM



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	45.7	48.3	72.5
80	52.5	58.6	88.0





#22

Phenanthrene

Concen: 12.44 ng

RT: 17.12 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Instrument :

BNA_M

ClientSampleId :

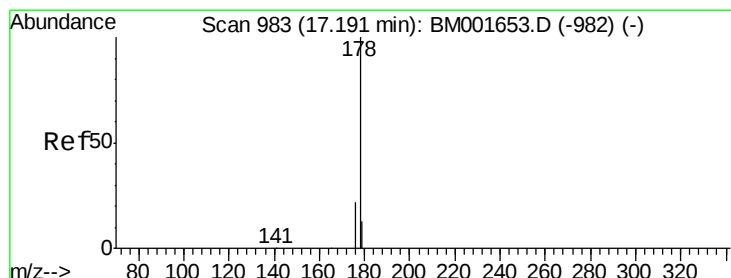
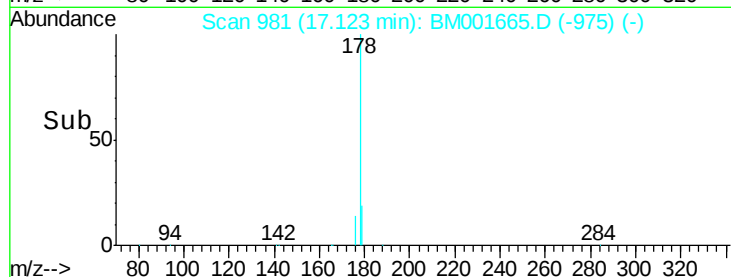
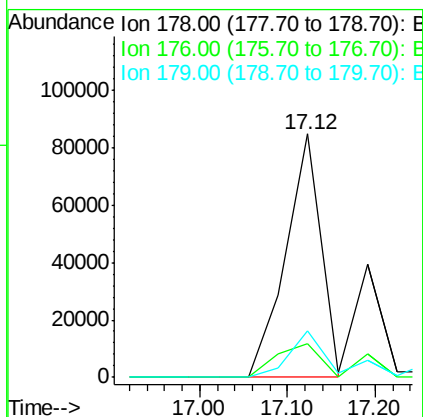
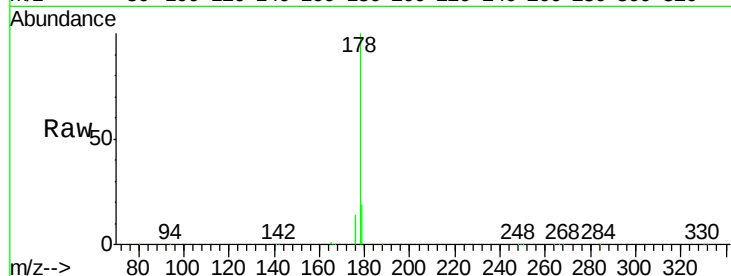
FM2A

Manual Integrations
APPROVED

apatel

6/15/2015 12:42:01 PM

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	0.0	0.0#
179	18.2	14.2	21.2



#23

Anthracene

Concen: 3.81 ng m

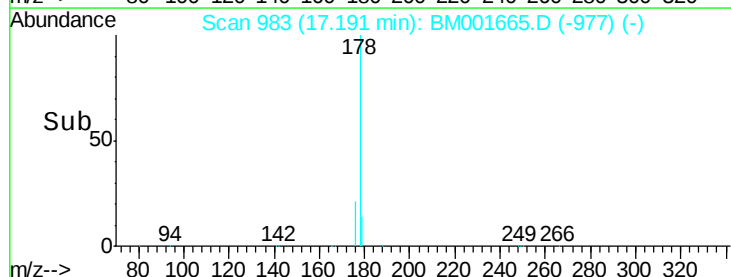
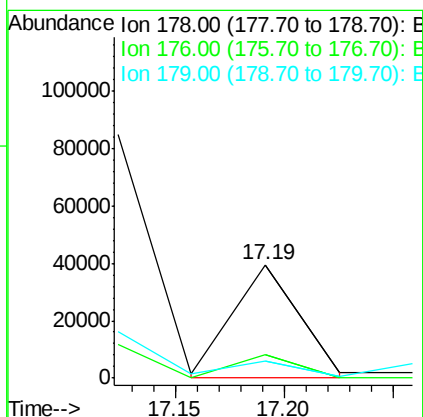
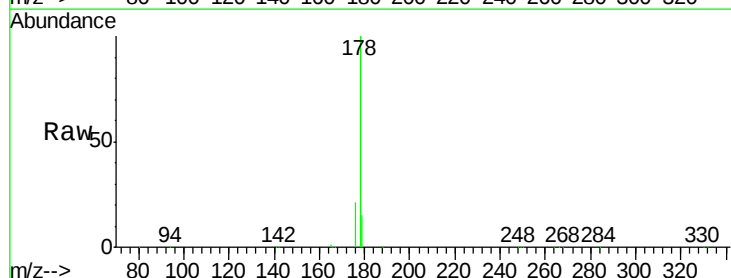
RT: 17.19 min Scan# 983

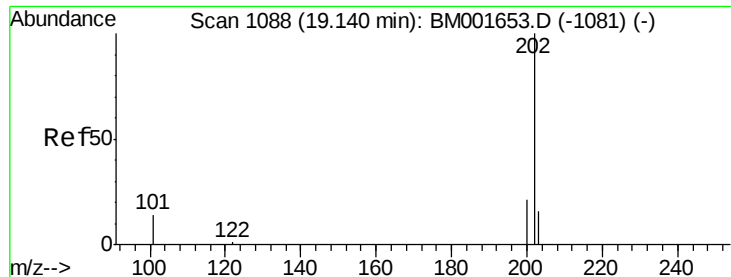
Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	69.2	0.0	0.0#
179	64.7	21.4	32.0#





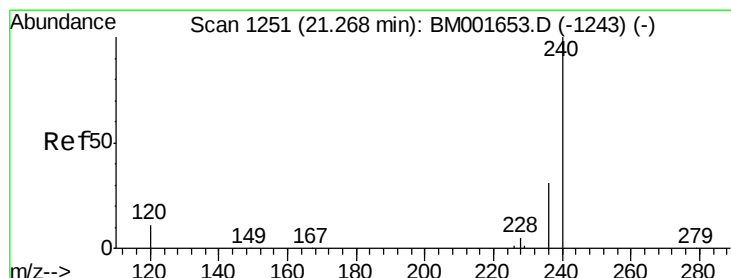
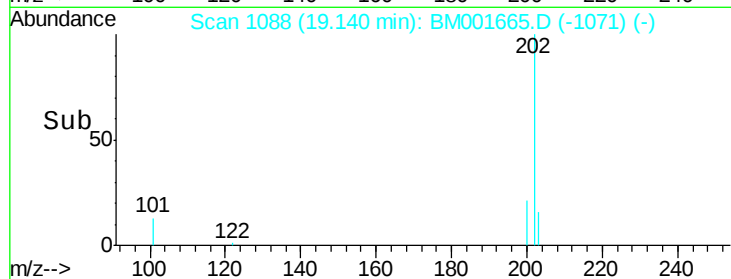
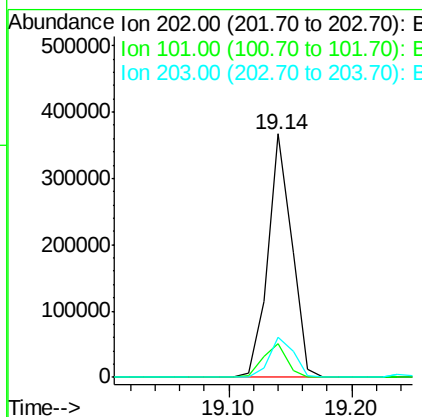
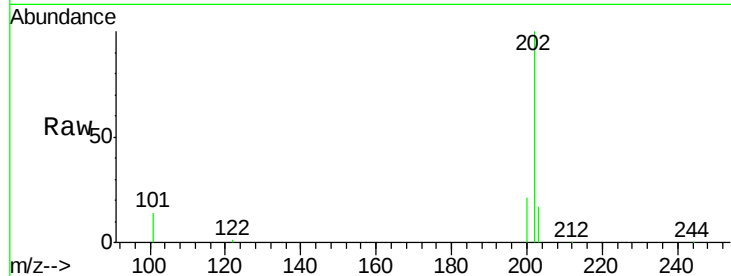
#24
 Fluoranthene
 Concen: 17.96 ng
 RT: 19.14 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Instrument :
 BNA_M
 ClientSampleId :
 FM2A

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	499790		
101	13.9	10.8	16.2	
203	17.5	13.8	20.8	

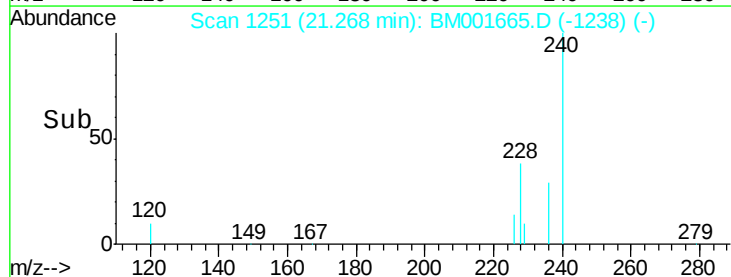
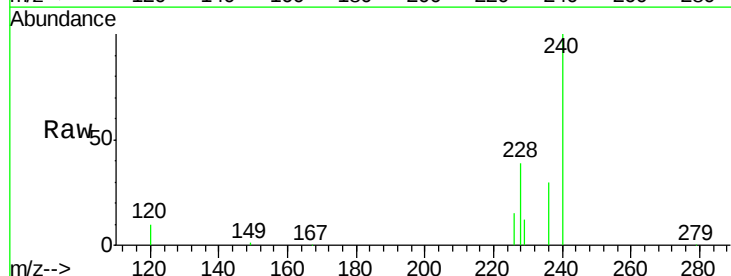
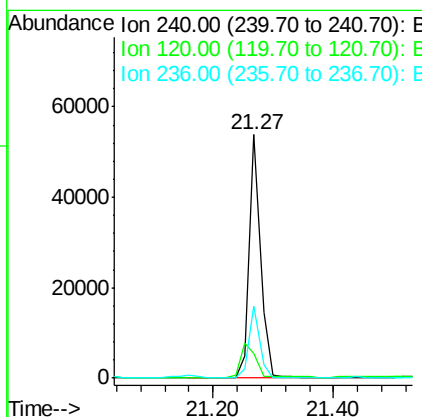
Manual Integrations
 APPROVED

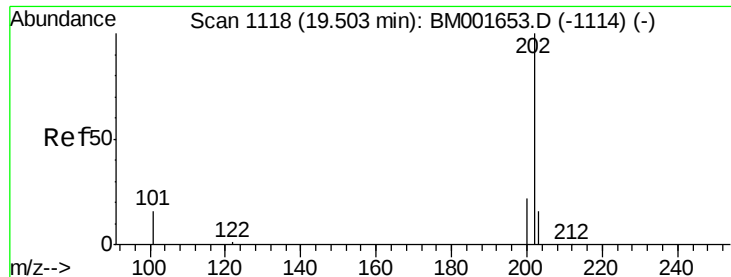
apatel
 6/15/2015 12:42:01 PM



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.27 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	68751		
120	10.3	8.9	13.3	
236	29.6	24.6	36.8	





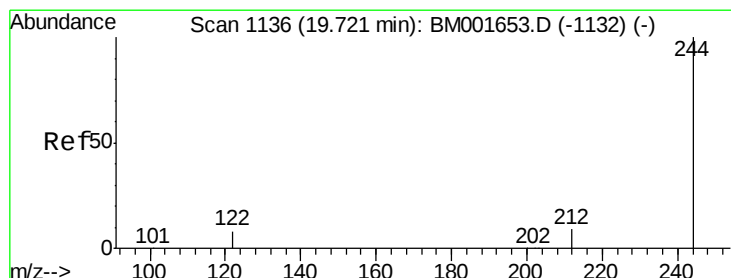
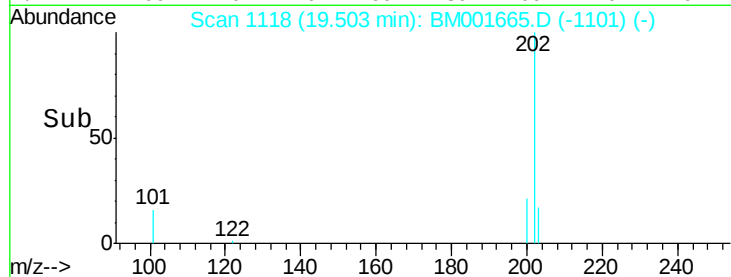
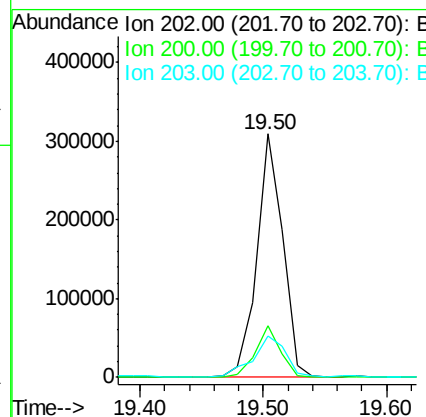
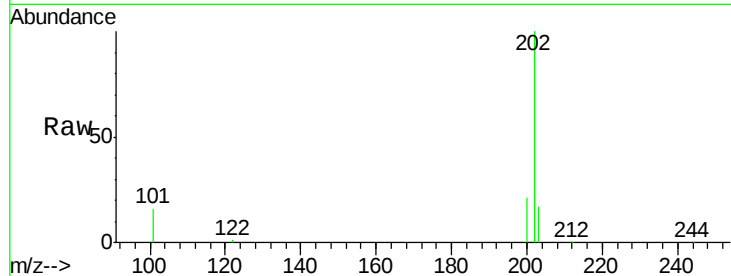
#26
 Pyrene
 Concen: 19.22 ng
 RT: 19.50 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Instrument :
 BNA_M
 ClientSampleId :
 FM2A

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		453721		
200	20.7	16.6		24.8	
203	21.4	13.8		20.8#	

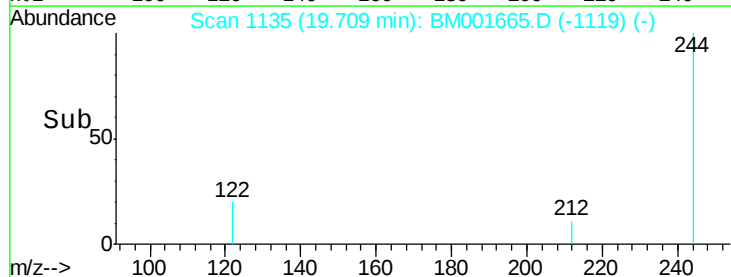
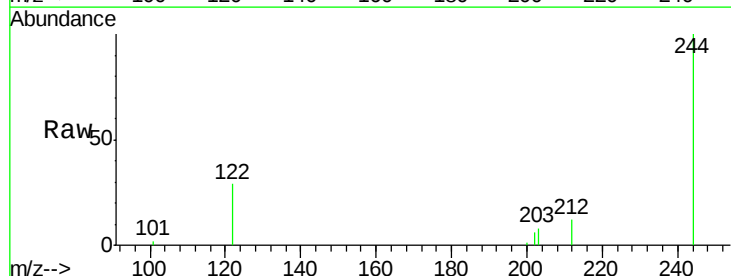
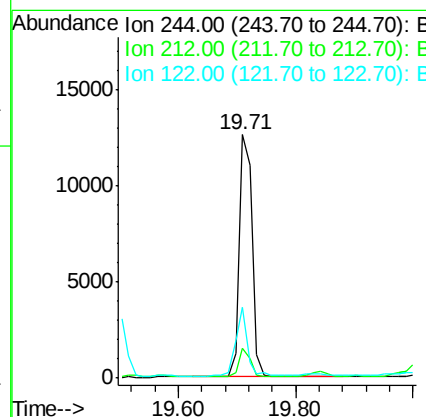
Manual Integrations
 APPROVED

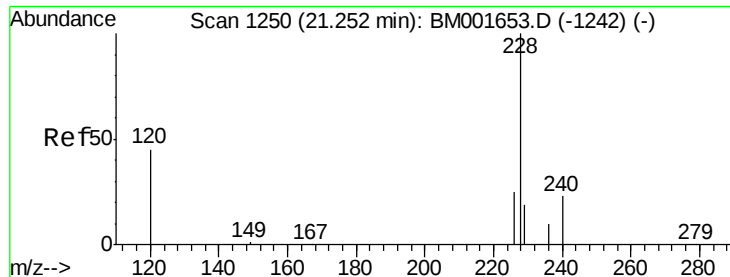
apatel
 6/15/2015 12:42:01 PM



#27
 Terphenyl-d14
 Concen: 1.86 ng
 RT: 19.71 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		19269		
212	12.3	7.7		11.5#	
122	28.9	6.9		10.3#	





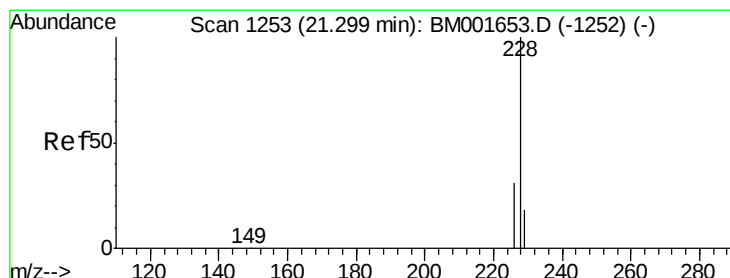
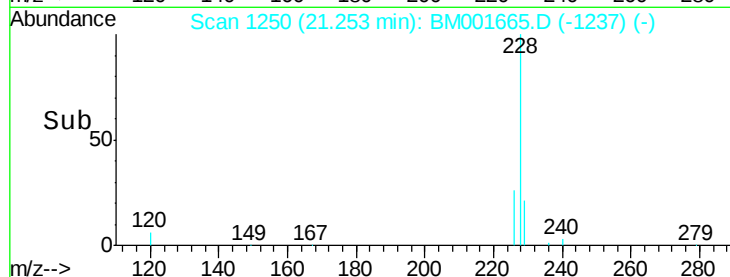
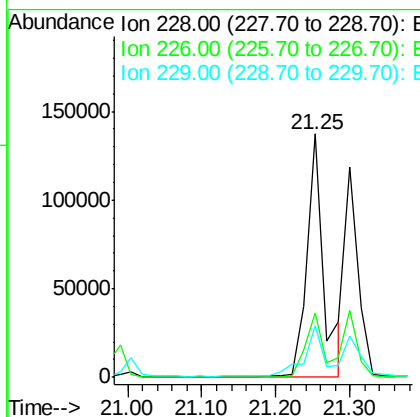
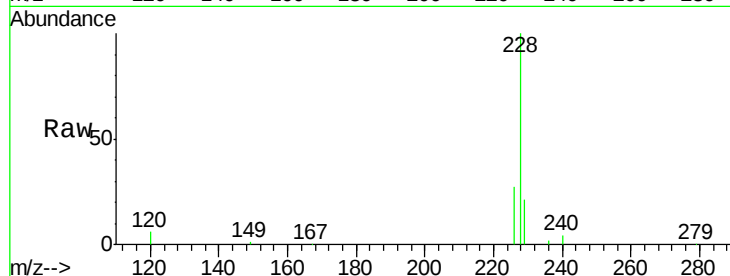
#28
Benzo(a)anthracene
Concen: 9.97 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Instrument :
BNA_M
ClientSampleId :
FM2A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.2	30.4
229	21.3	15.7	23.5

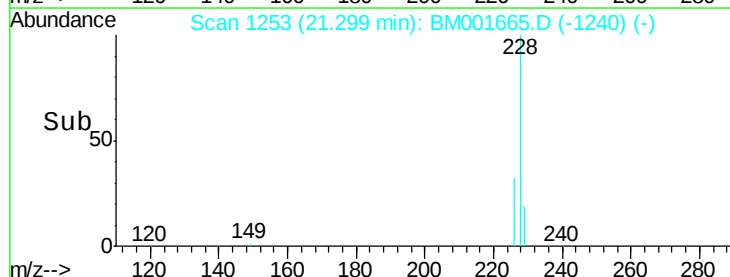
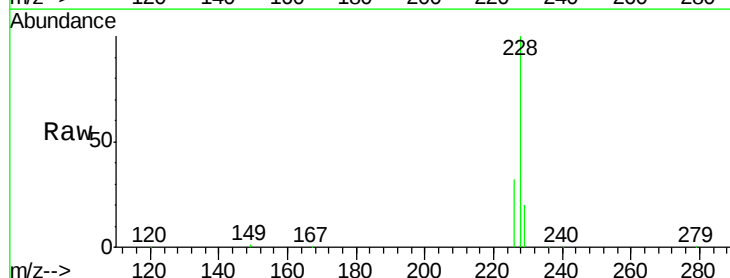
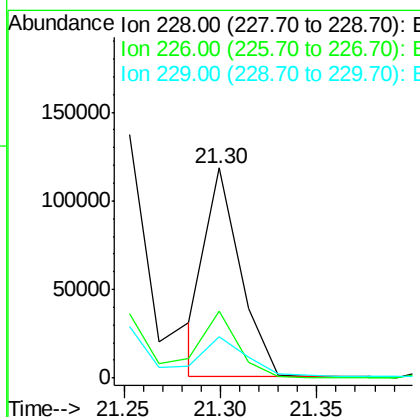
Manual Integrations
APPROVED

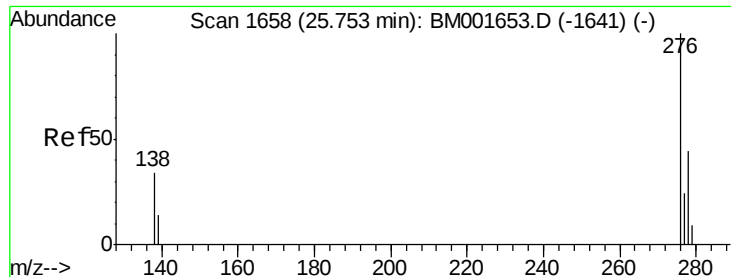
apatel
6/15/2015 12:42:01 PM



#29
Chrysene
Concen: 7.08 ng
RT: 21.30 min Scan# 1253
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.8	38.8
229	19.9	14.1	21.1





#31

Indeno(1,2,3-cd)pyrene

Concen: 4.41 ng

RT: 25.75 min Scan# 1658

Delta R.T. 0.00 min

Lab File: BM001665.D

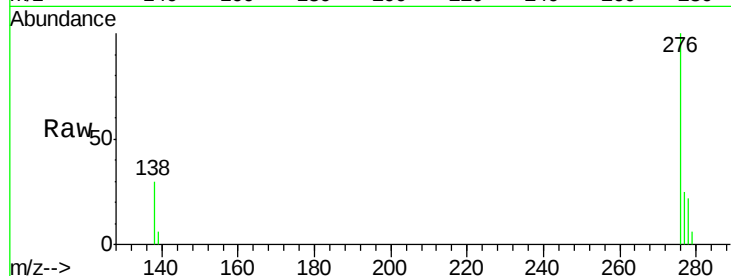
Acq: 12 Jun 2015 07:15

Instrument :

BNA_M

ClientSampleId :

FM2A



Tgt Ion:276 Resp: 71547

Ion Ratio Lower Upper

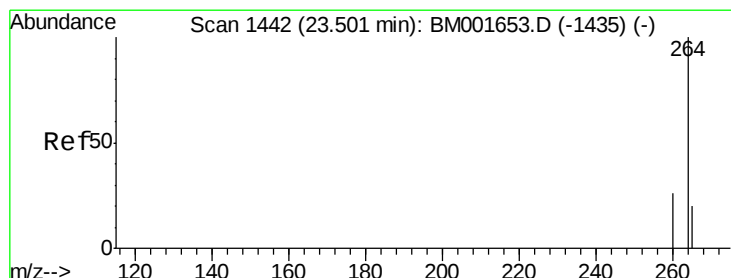
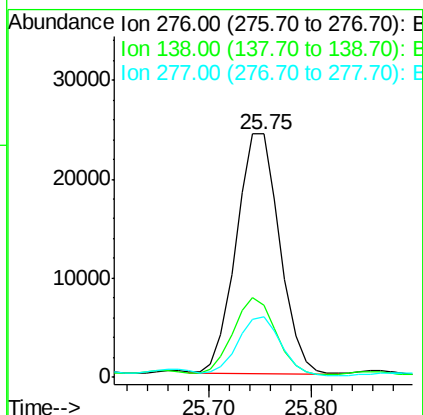
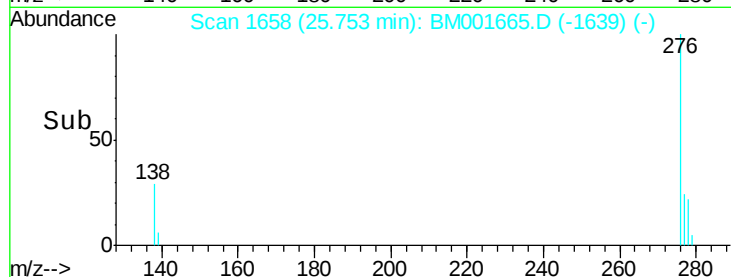
276 100

138 31.5 28.8 43.2

277 24.5 19.6 29.4

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.50 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

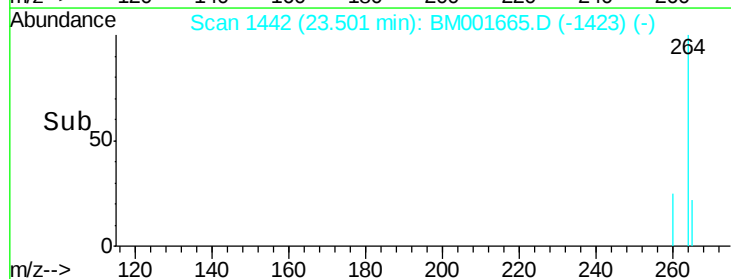
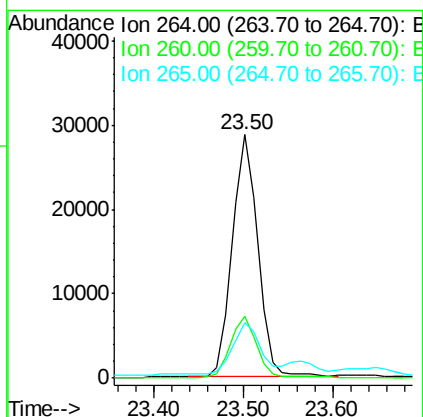
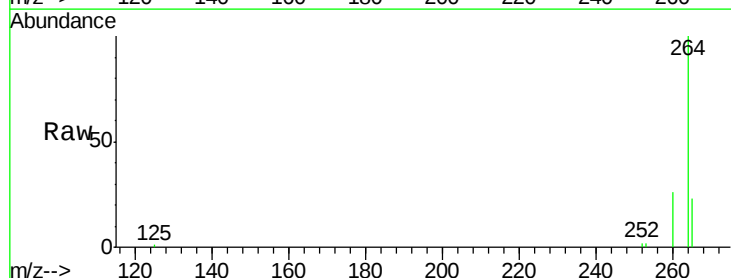
Tgt Ion:264 Resp: 56915

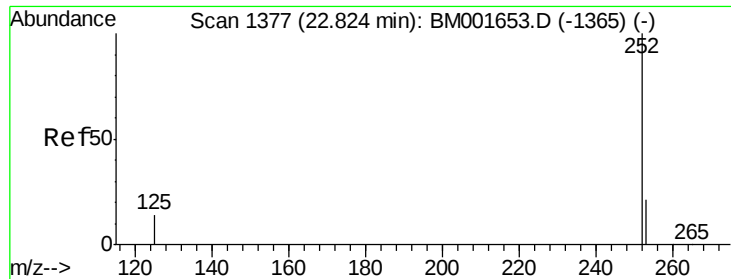
Ion Ratio Lower Upper

264 100

260 25.6 20.8 31.2

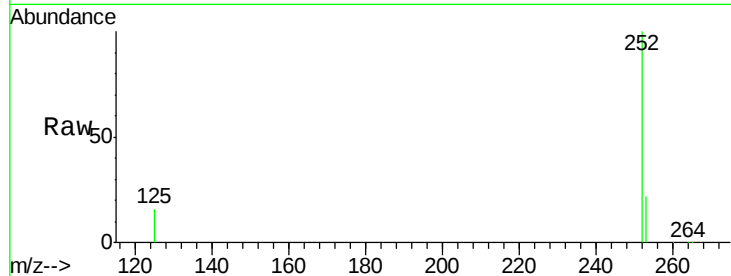
265 22.6 16.9 25.3





#33
Benzo(b)fluoranthene
Concen: 9.77 ng m
RT: 22.82 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15

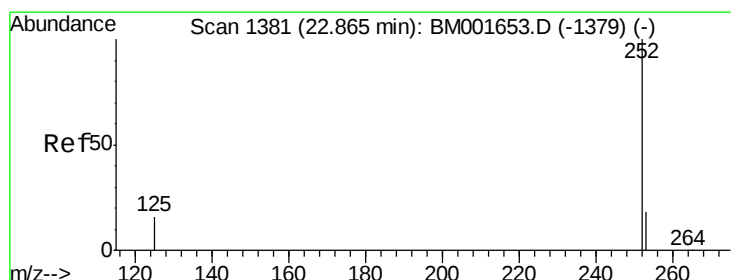
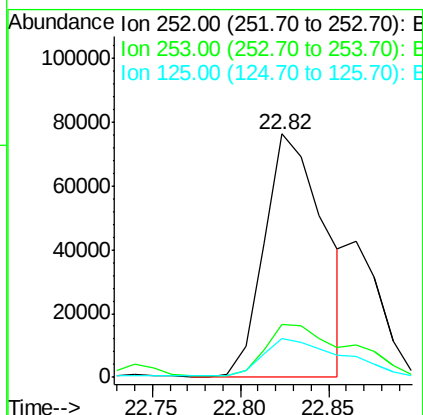
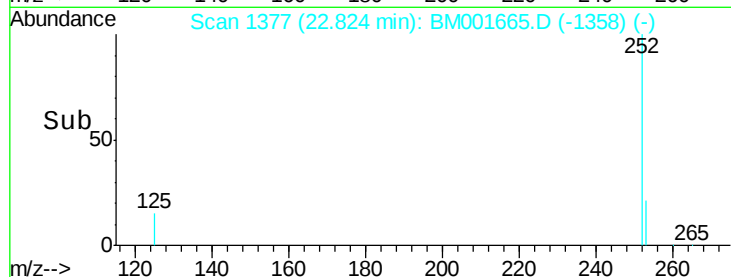
Instrument :
BNA_M
ClientSampleId :
FM2A



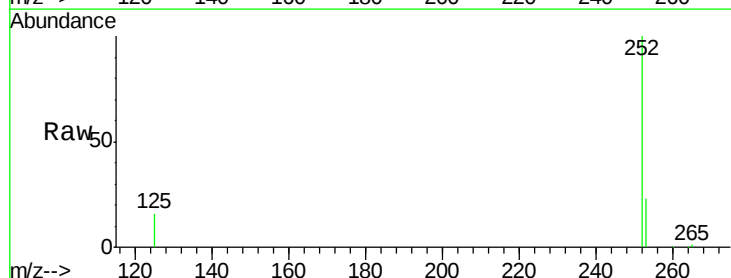
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	15.7	12.0	18.0

Manual Integrations
APPROVED

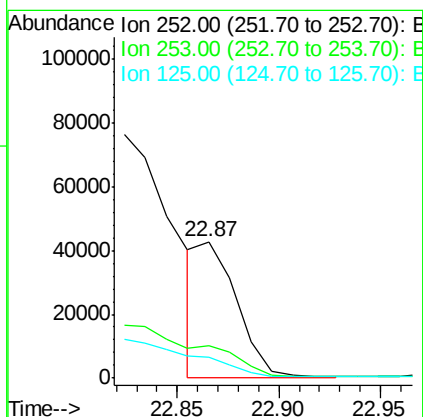
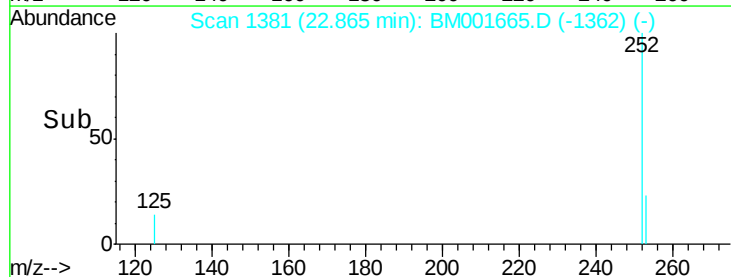
apatel
6/15/2015 12:42:01 PM

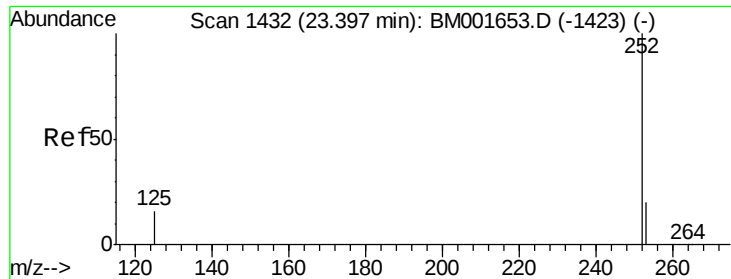


#34
Benzo(k)fluoranthene
Concen: 3.11 ng m
RT: 22.87 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BM001665.D
Acq: 12 Jun 2015 07:15



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	15.6	12.5	18.7





#35

Benzo(a)pyrene

Concen: 8.20 ng

RT: 23.40 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BM001665.D

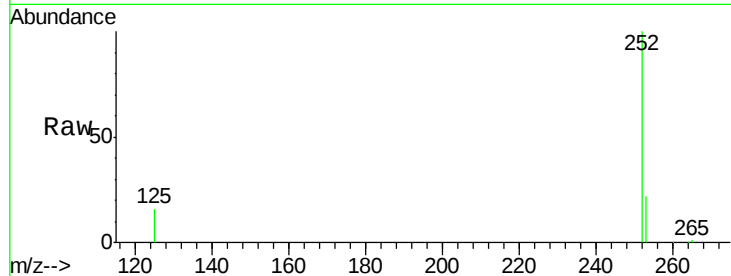
Acq: 12 Jun 2015 07:15

Instrument :

BNA_M

ClientSampleId :

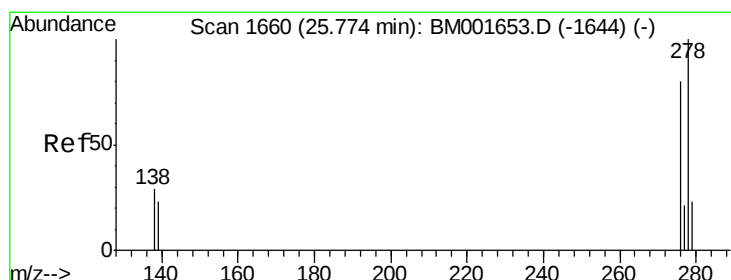
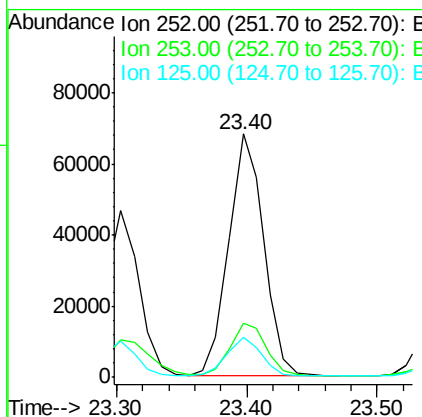
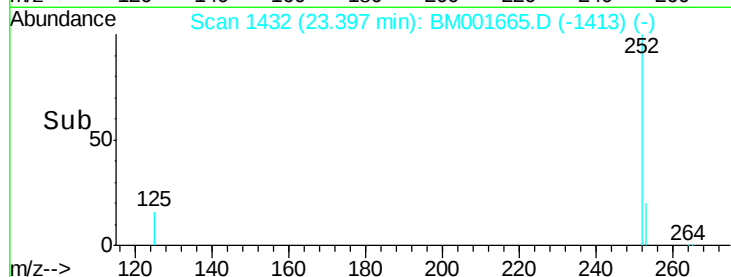
FM2A



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	16.5	14.0	21.0

Manual Integrations
APPROVED

apatel
6/15/2015 12:42:01 PM



#36

Dibenzo(a,h)anthracene

Concen: 1.39 ng

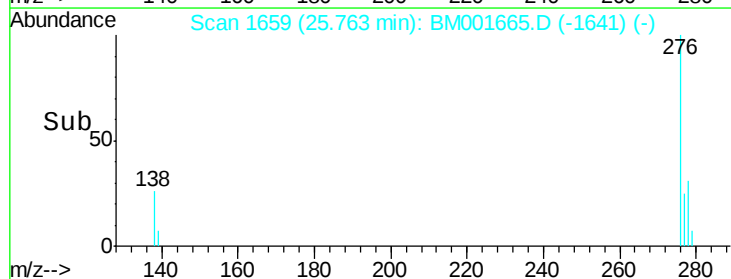
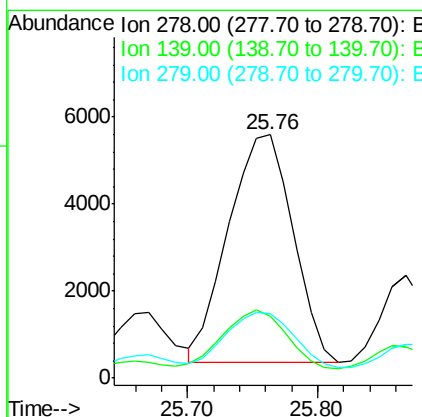
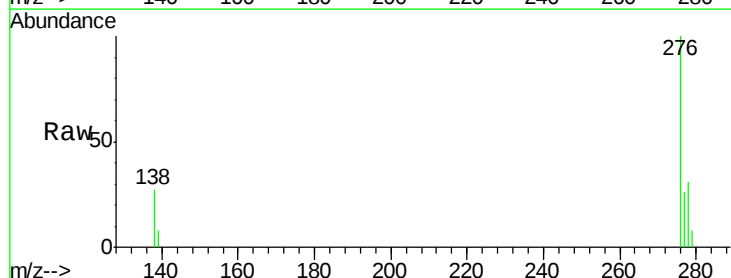
RT: 25.76 min Scan# 1659

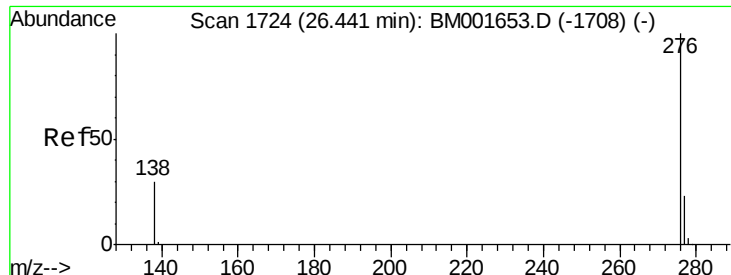
Delta R.T. -0.01 min

Lab File: BM001665.D

Acq: 12 Jun 2015 07:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	19.1	28.7
279	26.7	19.7	29.5





#37
 Benzo(g,h,i)perylene
 Concen: 5.19 ng
 RT: 26.44 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BM001665.D
 Acq: 12 Jun 2015 07:15

Instrument :
 BNA_M
 ClientSampleId :
 FM2A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.3	28.9
138	31.7	25.0	37.4

Manual Integrations
 APPROVED

apatel
 6/15/2015 12:42:01 PM

