

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
 Data File : BM000792.D
 Acq On : 01 Apr 2015 19:57
 Operator : TP/IZ
 Sample : PB82054BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB82054BS

Manual Integrations
 APPROVED

apatel
 4/2/2015 5:38:36 PM

Quant Time: Apr 02 02:02:57 2015

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 01 04:17:30 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	36106	5.00	ng	0.00
4) Naphthalene-d8	10.40	136	124183	5.00	ng	0.00
8) Acenaphthene-d10	14.28	164	62826	5.00	ng	0.00
13) Phenanthrene-d10	17.01	188	133402	5.00	ng	0.00
19) Chrysene-d12	21.21	240	119140	5.00	ng	0.00
25) Perylene-d12	23.40	264	106711	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.77	82	66675	8.73	ng	0.00
9) 2-Fluorobiphenyl	12.89	172	181015	9.29	ng	0.00
21) Terphenyl-d14	19.66	244	141537	9.87	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.43	42	32009	7.82	ng	# 96
6) Naphthalene	10.45	128	241880	8.38	ng	99
7) 2-Methylnaphthalene	12.07	142	156398	8.58	ng	94
10) Acenaphthylene	13.98	152	264963	9.53	ng	100
11) Acenaphthene	14.33	154	169255	8.79	ng	93
12) Fluorene	15.32	166	196392	9.11	ng	100
14) Hexachlorobenzene	16.33	284	70395	9.01	ng	# 96
15) Pentachlorophenol	16.68	266	52389	12.86	ng	92
16) Phenanthrene	17.05	178	319480	8.74	ng	99
17) Anthracene	17.13	178	279667m	9.13	ng	
18) Fluoranthene	19.08	202	335494	9.29	ng	100
20) Pyrene	19.44	202	363639	9.36	ng	100
22) Benzo(a)anthracene	21.19	228	323503m	9.51	ng	
23) Chrysene	21.25	228	312146m	8.75	ng	
24) Indeno(1,2,3-cd)pyrene	25.58	276	328701	8.90	ng	99
26) Benzo(b)fluoranthene	22.74	252	314480	9.36	ng	98
27) Benzo(k)fluoranthene	22.79	252	302264	9.37	ng	98
28) Benzo(a)pyrene	23.30	252	291344	10.10	ng	94
29) Dibenzo(a,h)anthracene	25.60	278	266295	9.35	ng	98
30) Benzo(g,h,i)perylene	26.26	276	279265	9.08	ng	99

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

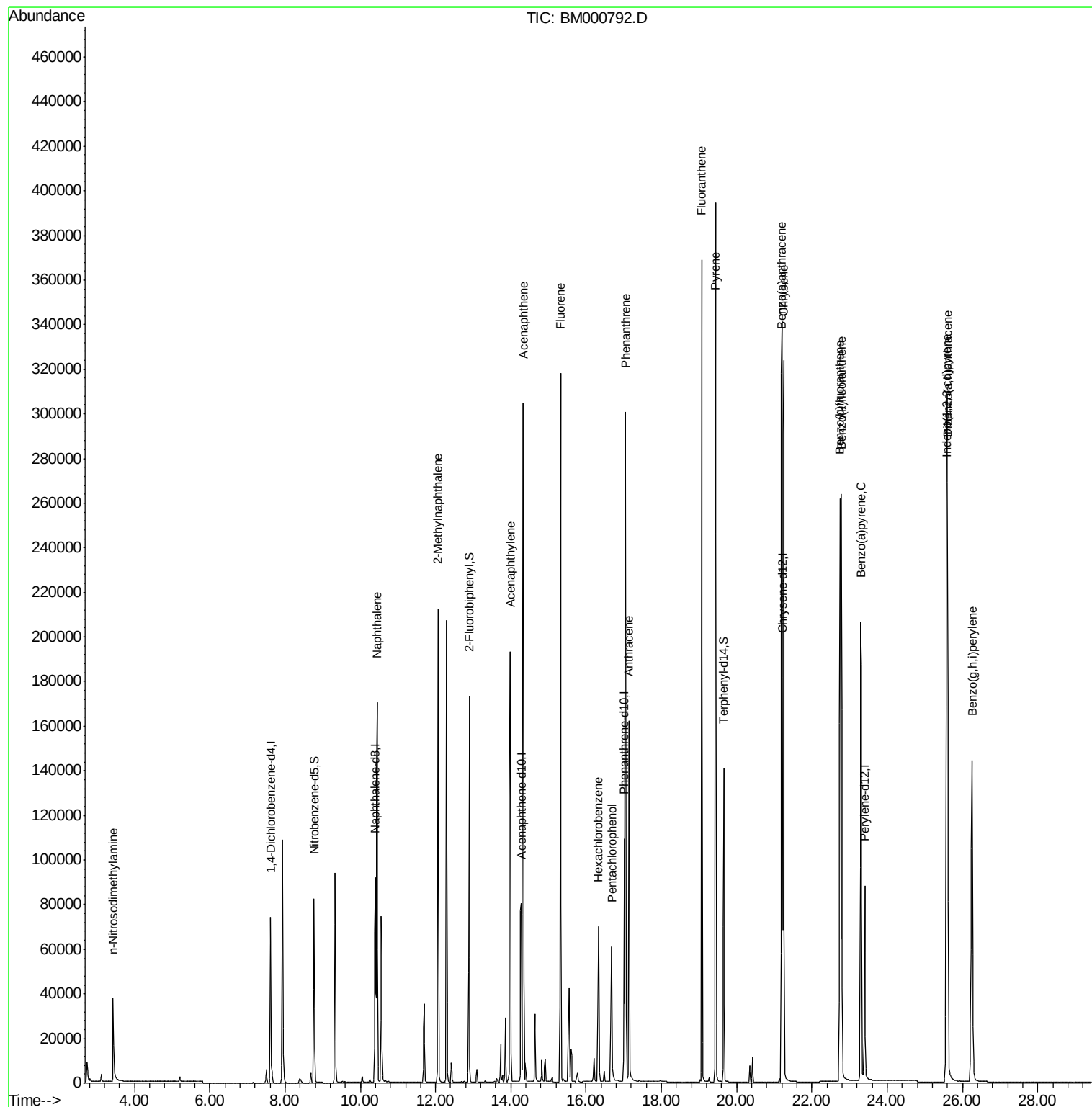
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040115\
Data File : BM000792.D
Acq On : 01 Apr 2015 19:57
Operator : TP/IZ
Sample : PB82054BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

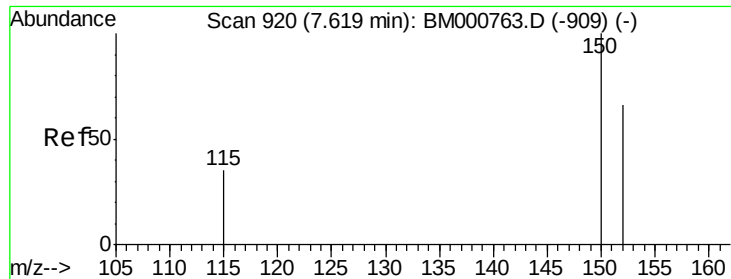
Instrument :
BNA_M
ClientSampleId :
PB82054BS

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM

Quant Time: Apr 02 02:02:57 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM033115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 01 04:17:30 2015
Response via : Initial Calibration

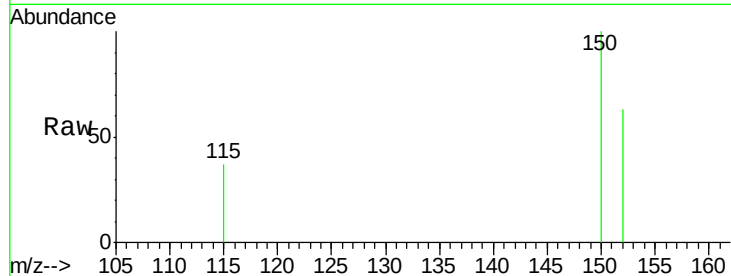




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 919
Delta R.T. -0.01 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

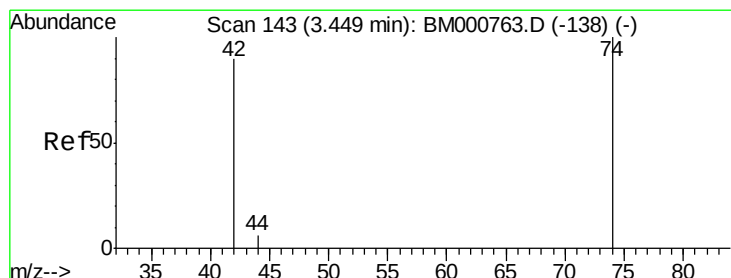
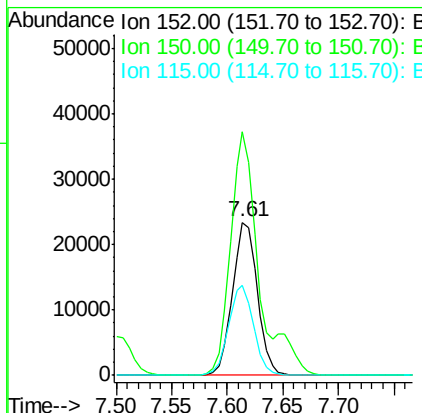
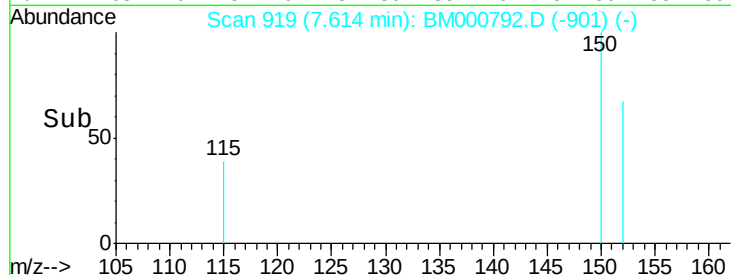
Instrument :
BNA_M
ClientSampleId :
PB82054BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.3	120.8	181.2
115	58.7	42.7	64.1

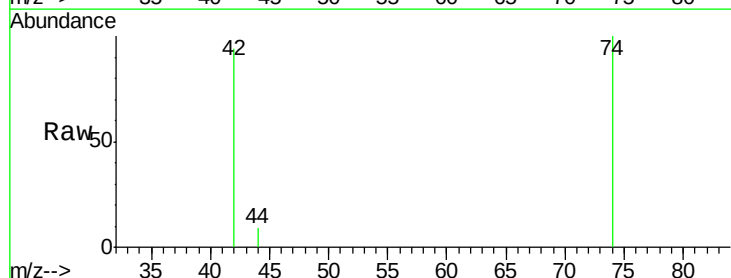
Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM

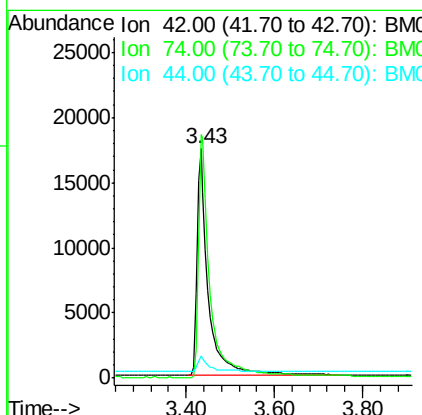
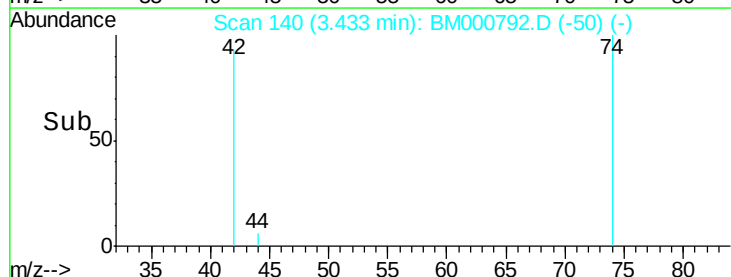


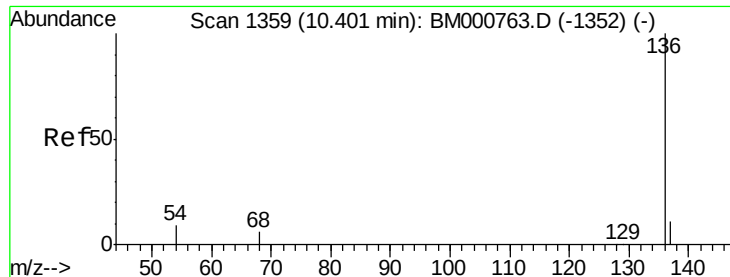
#3

n-Nitrosodimethylamine
Concen: 7.82 ng
RT: 3.43 min Scan# 140
Delta R.T. -0.02 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57



Tgt Ion	Ratio	Lower	Upper
42	100		
74	113.0	93.6	140.4
44	6.1	6.3	9.5#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.40 min Scan# 1359

Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

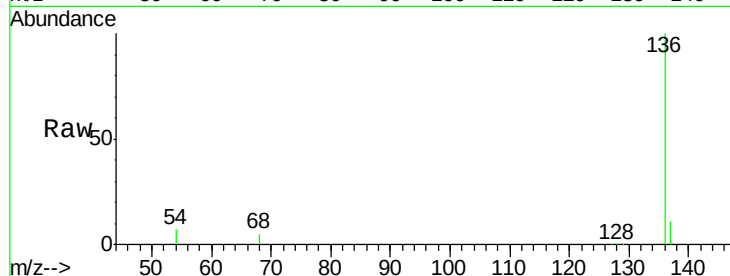
ClientSampleId :

PB82054BS

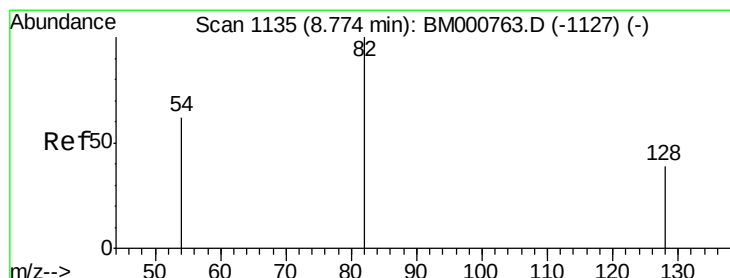
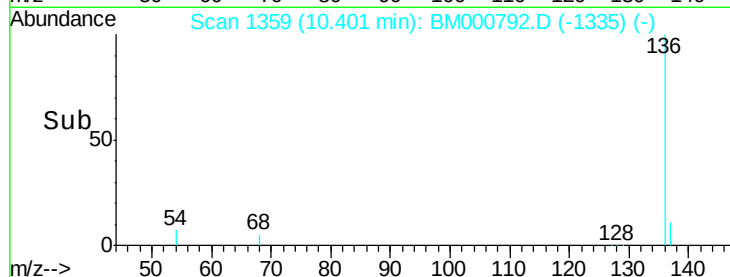
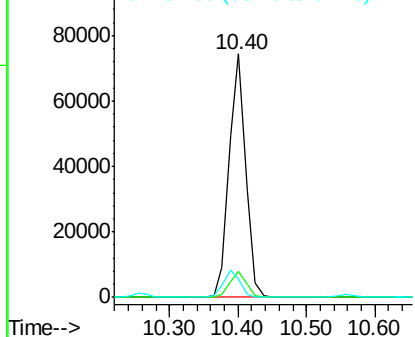
Tgt Ion:	136	Resp:	124183
Ion Ratio		Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.4	7.0	10.6

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM



Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B



#5

Nitrobenzene-d5

Concen: 8.73 ng

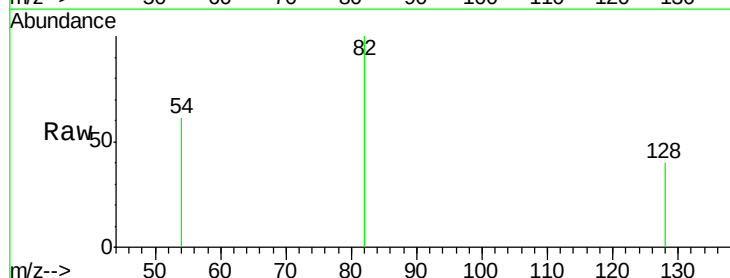
RT: 8.77 min Scan# 1134

Delta R.T. -0.00 min

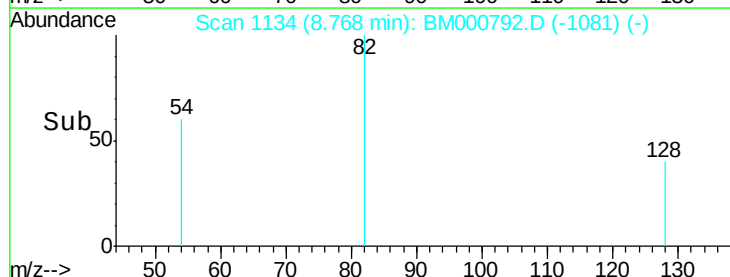
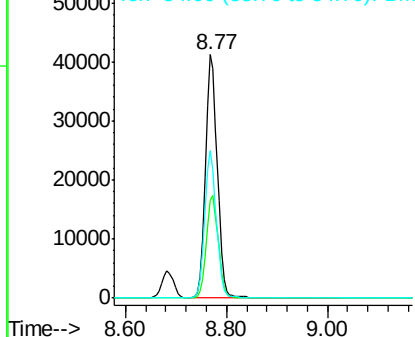
Lab File: BM000792.D

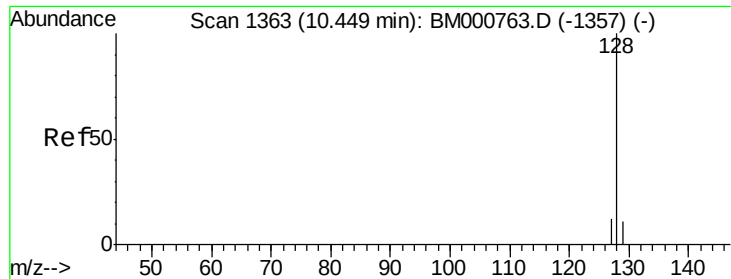
Acq: 01 Apr 2015 19:57

Tgt Ion:	82	Resp:	66675
Ion Ratio		Lower	Upper
82	100		
128	40.2	32.2	48.2
54	60.5	50.2	75.4



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





#6

Naphthalene

Concen: 8.38 ng

RT: 10.45 min Scan# 1363

Delta R.T. -0.00 min

Lab File: BM000792.D

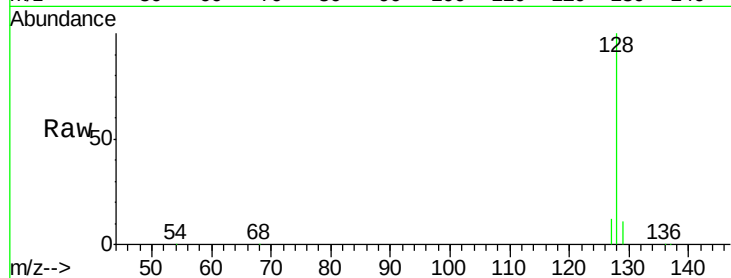
Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

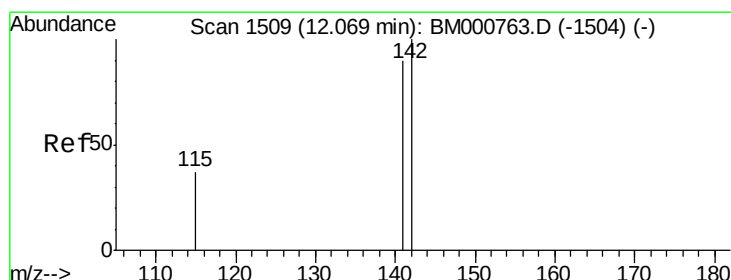
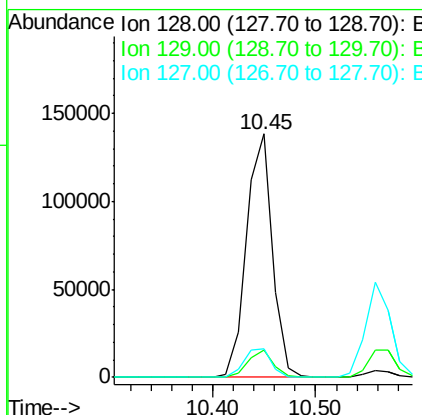
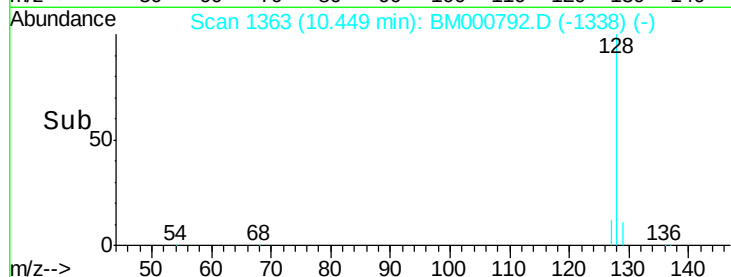
PB82054BS



Tgt Ion:	128	Resp:	241880
Ion Ratio		Lower	Upper
128	100		
129	11.2	8.9	13.3
127	11.7	10.0	15.0

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM



#7

2-Methylnaphthalene

Concen: 8.58 ng

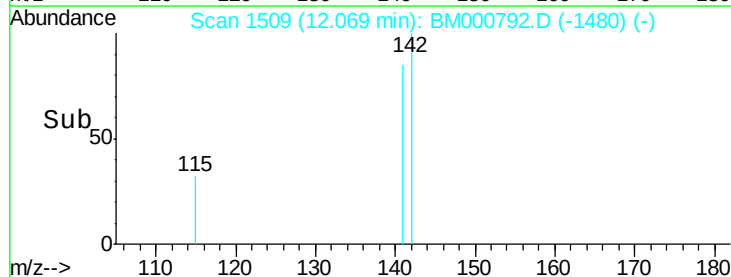
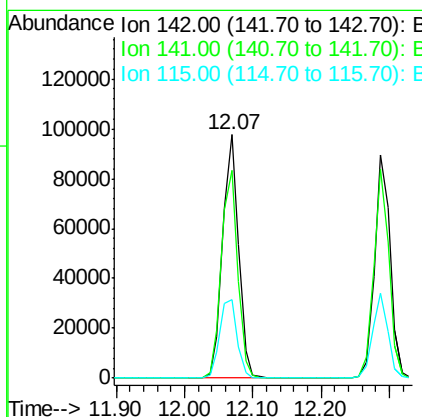
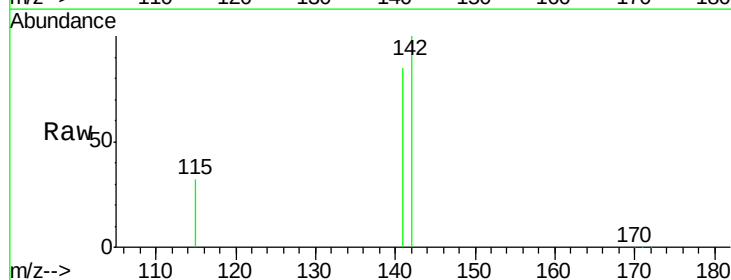
RT: 12.07 min Scan# 1509

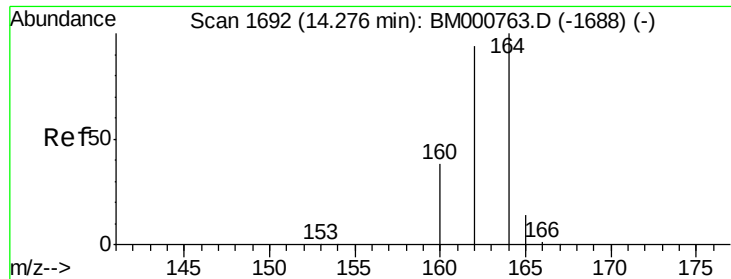
Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Tgt Ion:	142	Resp:	156398
Ion Ratio		Lower	Upper
142	100		
141	85.3	72.3	108.5
115	32.2	29.5	44.3





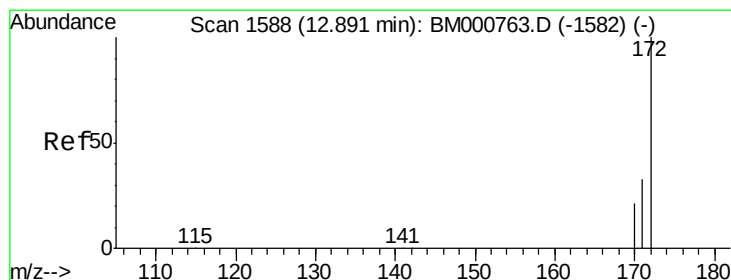
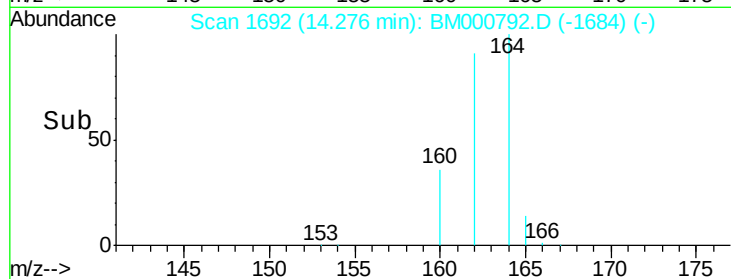
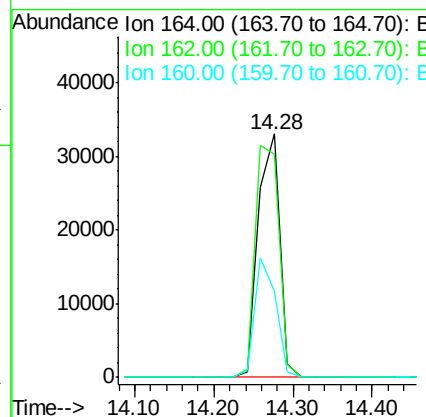
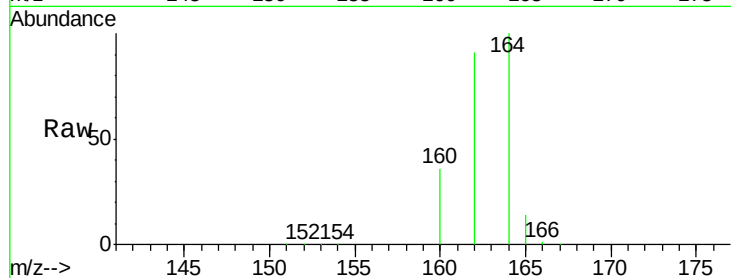
#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.28 min Scan# 1692
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Instrument :
BNA_M
ClientSampleId :
PB82054BS

Tgt Ion:164 Resp: 62826
Ion Ratio Lower Upper
164 100
162 91.5 75.4 113.2
160 35.6 30.8 46.2

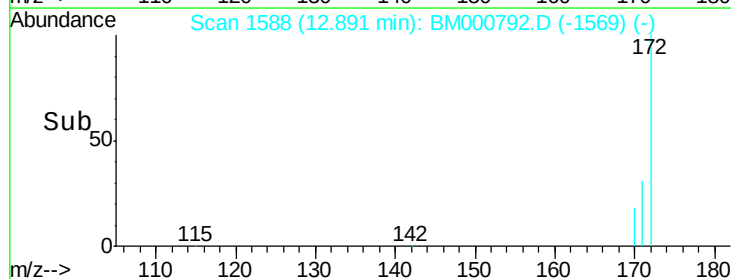
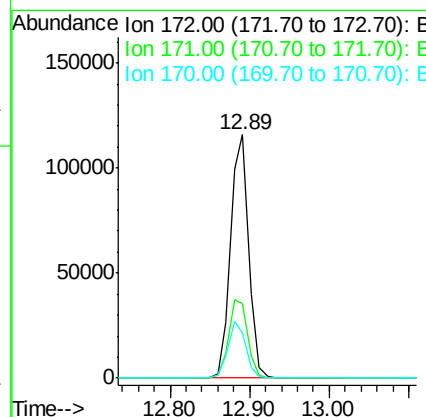
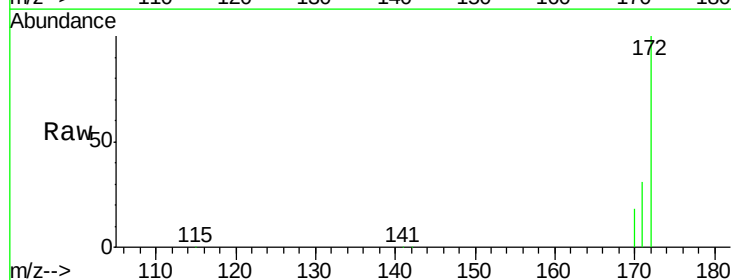
Manual Integrations
APPROVED

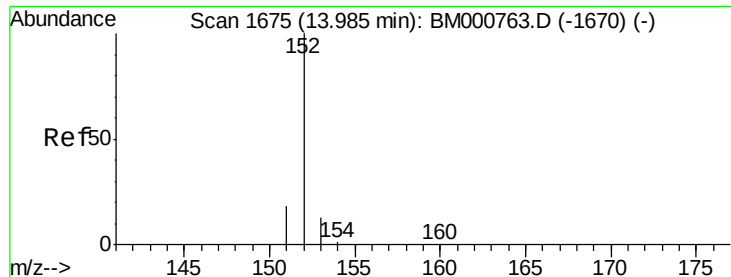
apatel
4/2/2015 5:38:36 PM



#9
2-Fluorobiphenyl
Concen: 9.29 ng
RT: 12.89 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Tgt Ion:172 Resp: 181015
Ion Ratio Lower Upper
172 100
171 30.8 26.6 39.8
170 18.4 17.1 25.7





#10

Acenaphthylene

Concen: 9.53 ng

RT: 13.98 min Scan# 1675

Delta R.T. -0.00 min

Lab File: BM000792.D

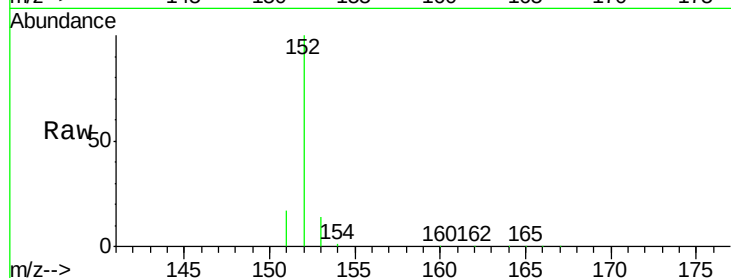
Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

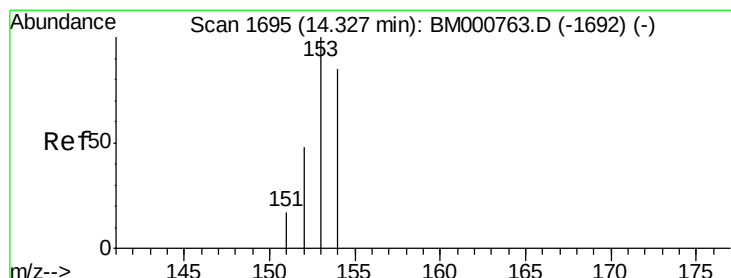
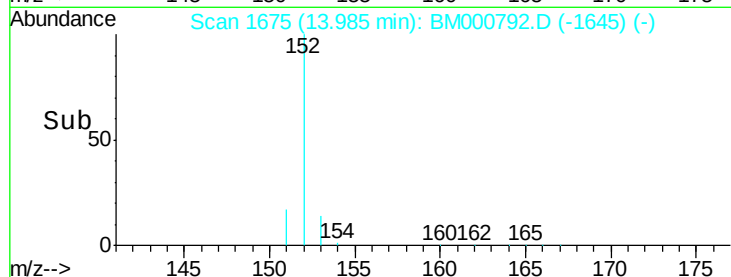
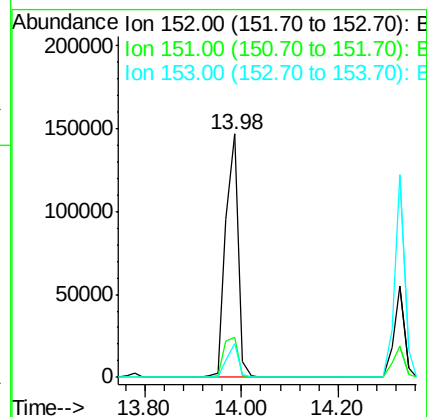
PB82054BS



Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.1	22.7
153	12.9	10.2	15.4

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM



#11

Acenaphthene

Concen: 8.79 ng

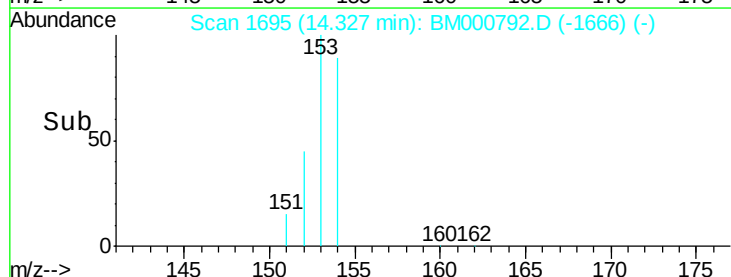
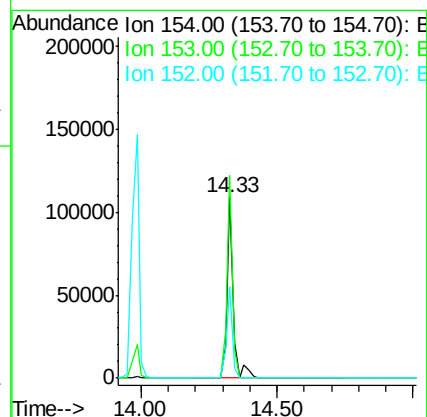
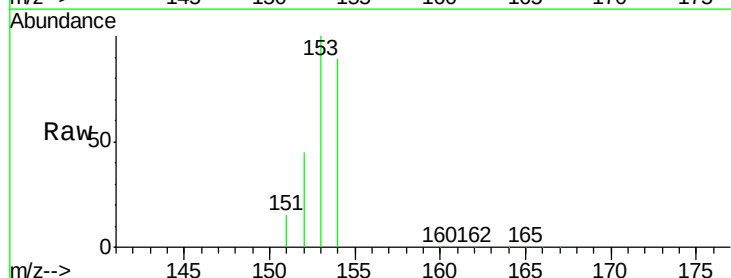
RT: 14.33 min Scan# 1695

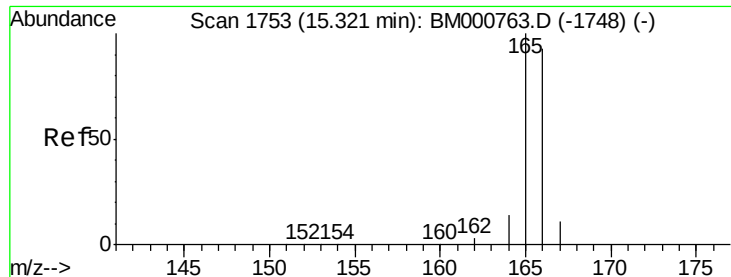
Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	102.2	87.3	130.9
152	48.6	43.0	64.6





#12

Fluorene

Concen: 9.11 ng

RT: 15.32 min Scan# 1753

Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

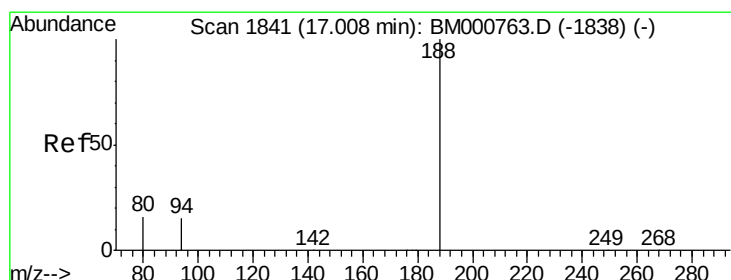
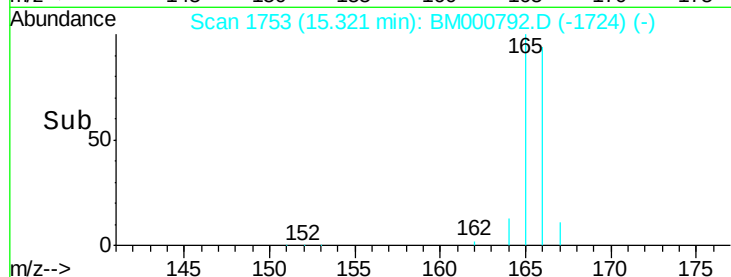
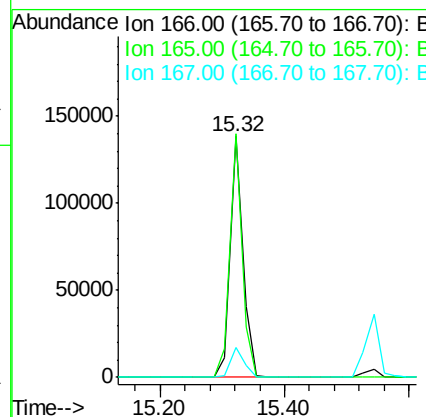
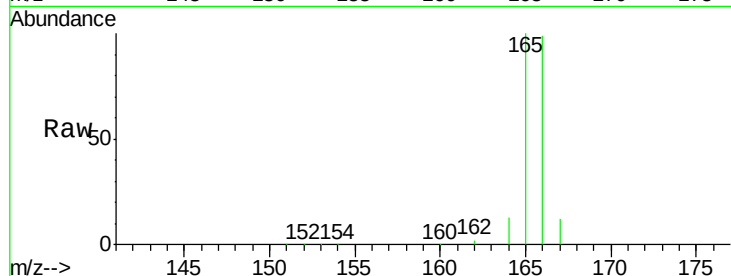
ClientSampleId :

PB82054BS

Tgt Ion:	166	Resp:	196392
Ion Ratio	Lower	Upper	
166	100		
165	97.4	78.2	117.2
167	13.4	10.7	16.1

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM



#13

Phenanthrene-d10

Concen: 5.00 ng

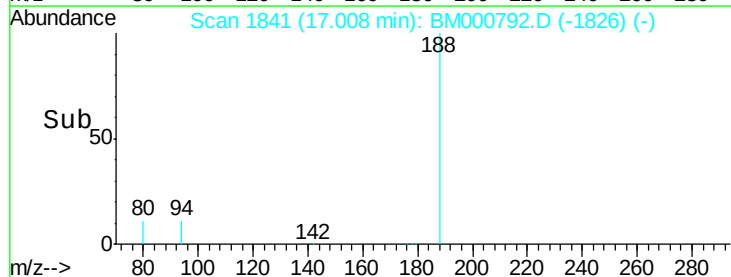
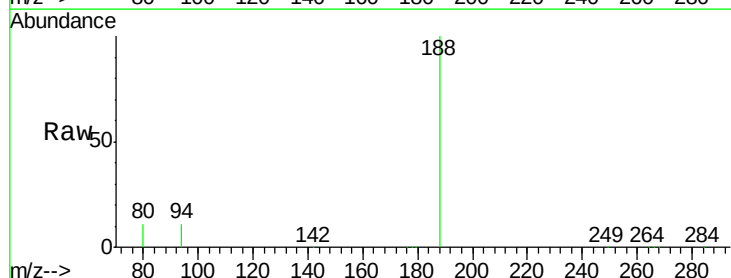
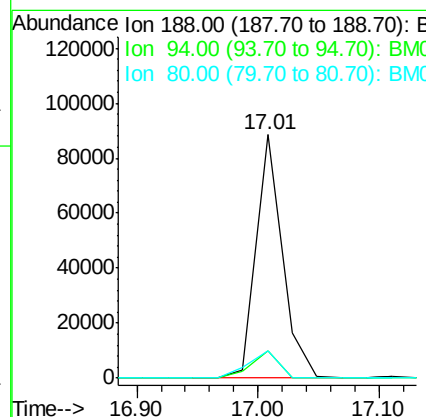
RT: 17.01 min Scan# 1841

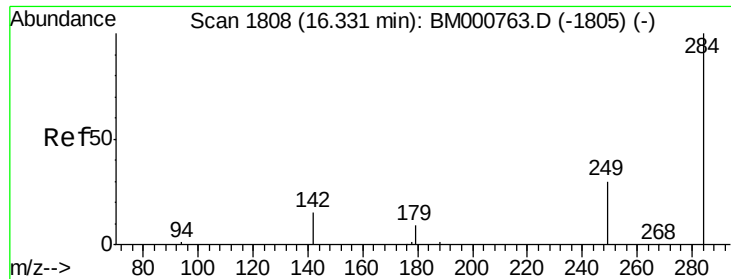
Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Tgt Ion:	188	Resp:	133402
Ion Ratio	Lower	Upper	
188	100		
94	11.2	12.0	18.0#
80	11.3	12.8	19.2#





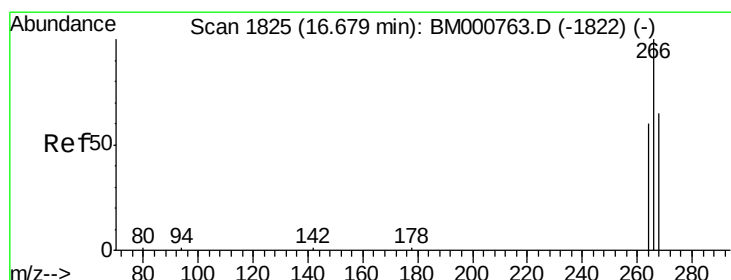
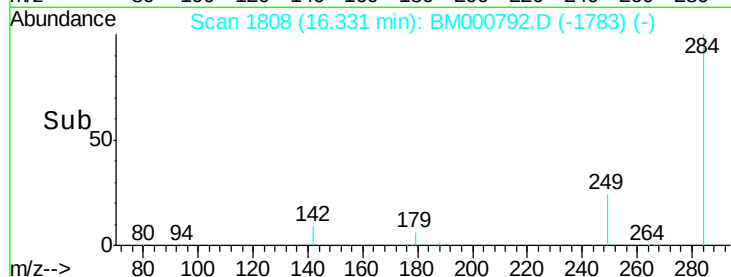
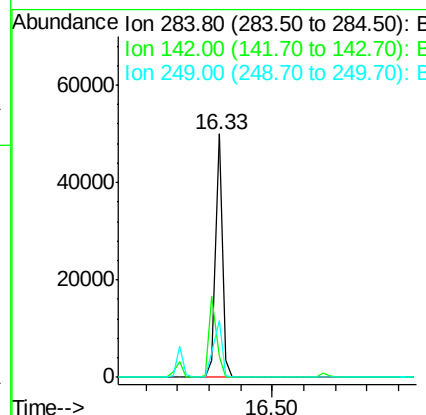
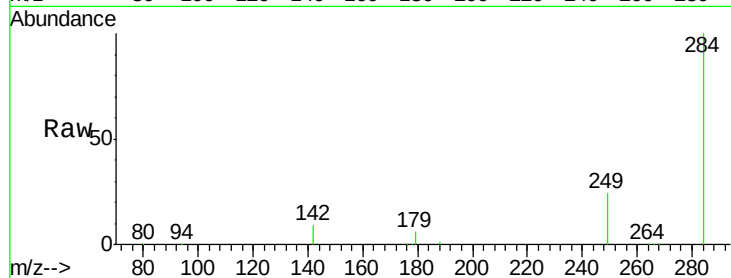
#14
Hexachlorobenzene
Concen: 9.01 ng
RT: 16.33 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Instrument :
BNA_M
ClientSampleId :
PB82054BS

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	70395		
142	0.0	0.0	0.0	0.0
249	29.5	25.2	37.8	

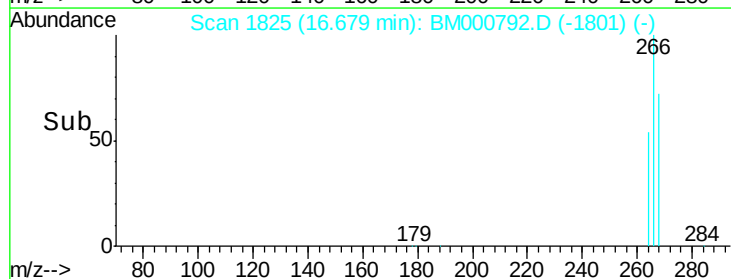
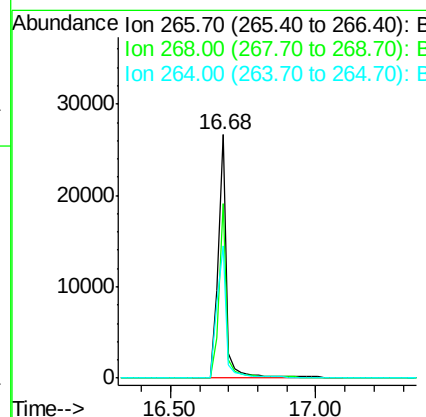
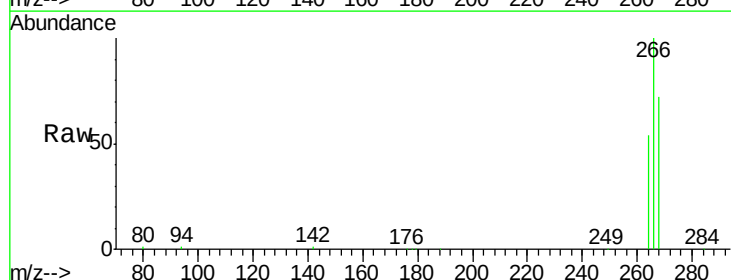
Manual Integrations
APPROVED

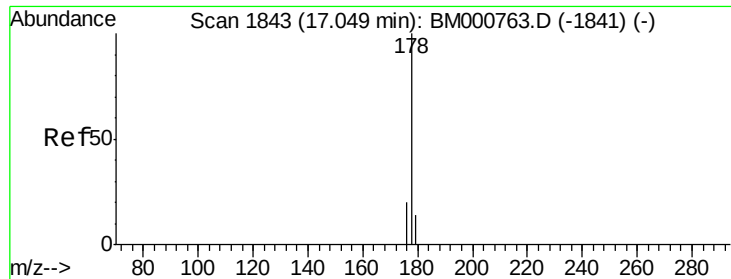
apatel
4/2/2015 5:38:36 PM



#15
Pentachlorophenol
Concen: 12.86 ng
RT: 16.68 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	52389		
268	71.7	55.0	82.6	
264	54.1	51.0	76.4	





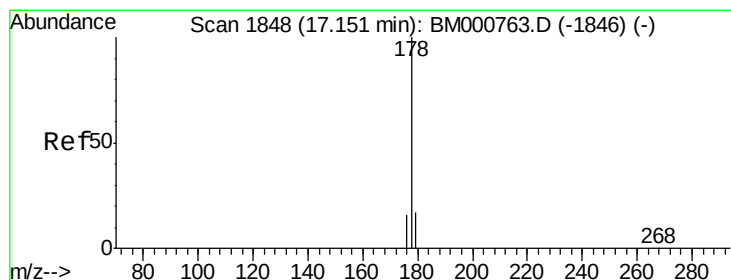
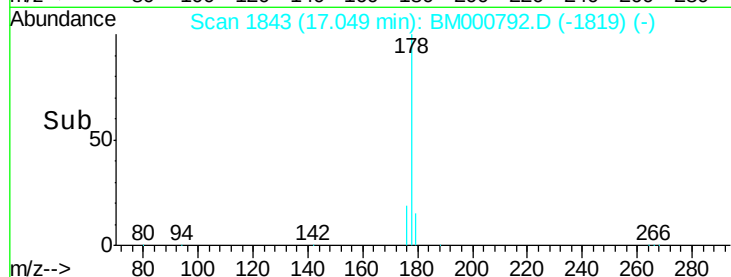
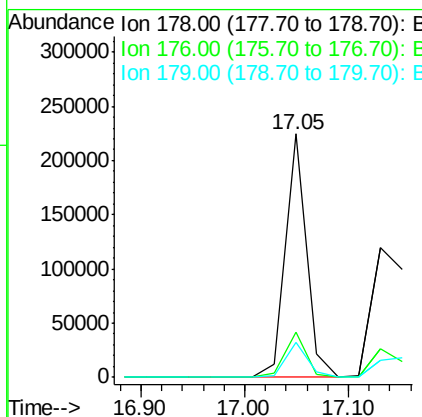
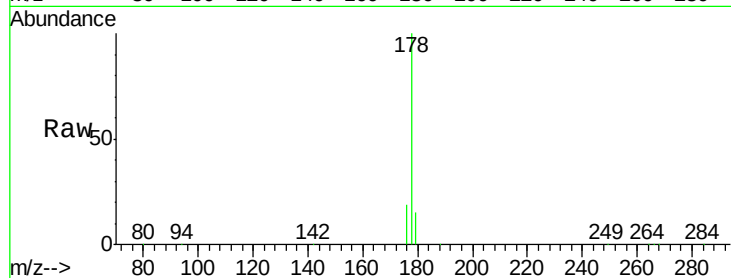
#16
Phenanthrene
Concen: 8.74 ng
RT: 17.05 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Instrument :
BNA_M
ClientSampleId :
PB82054BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.9	12.2	18.2

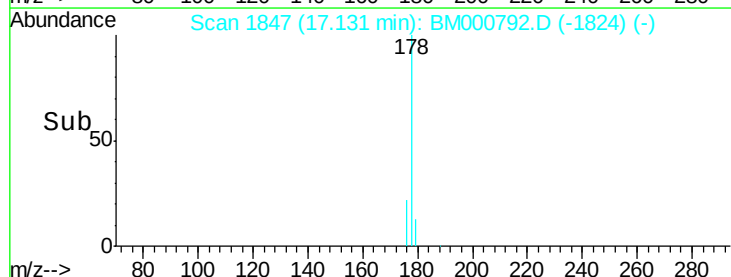
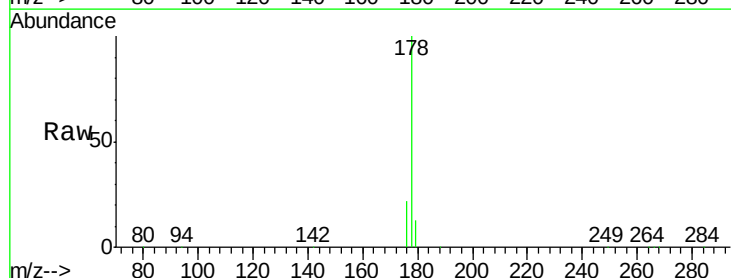
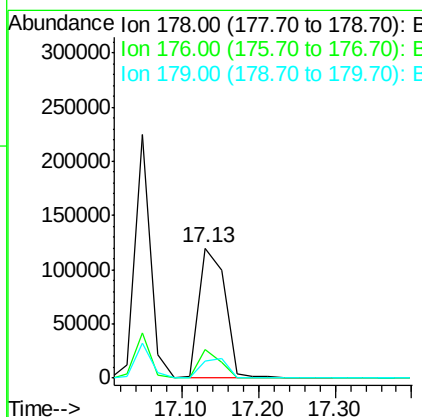
Manual Integrations
APPROVED

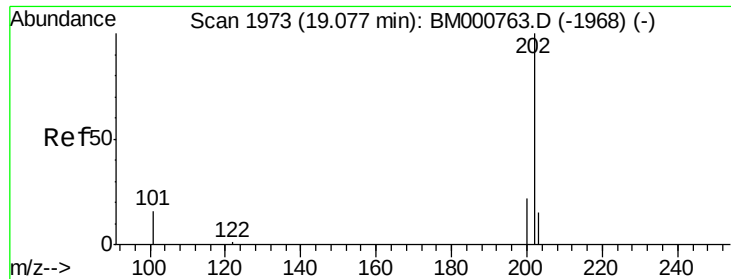
apatel
4/2/2015 5:38:36 PM



#17
Anthracene
Concen: 9.13 ng m
RT: 17.13 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.4	14.6	22.0
179	17.1	12.2	18.4





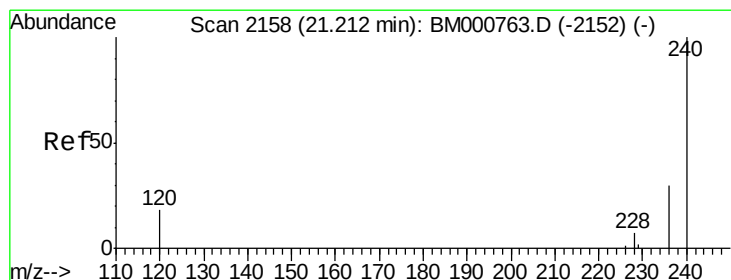
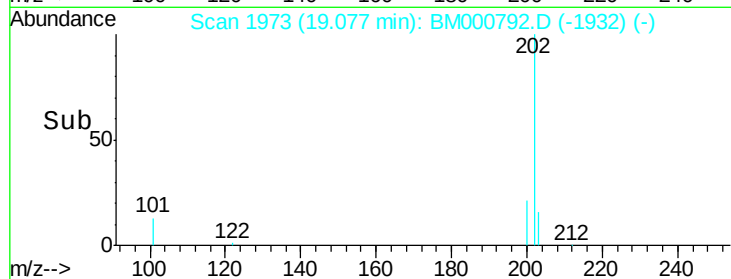
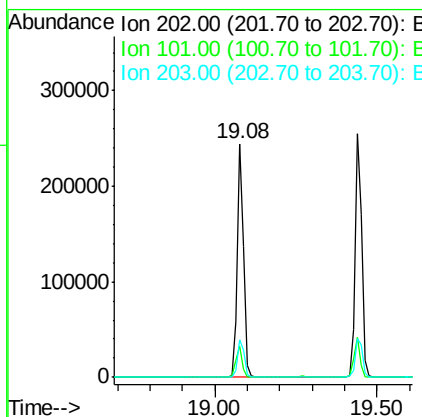
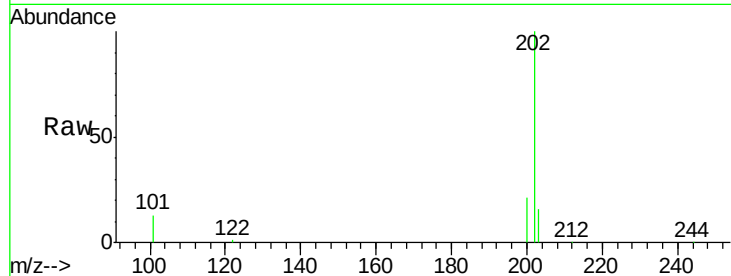
#18
 Fluoranthene
 Concen: 9.29 ng
 RT: 19.08 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: BM000792.D
 Acq: 01 Apr 2015 19:57

Instrument :
 BNA_M
 ClientSampleId :
 PB82054BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	335494		
101	13.4	10.5	15.7	
203	17.4	13.8	20.8	

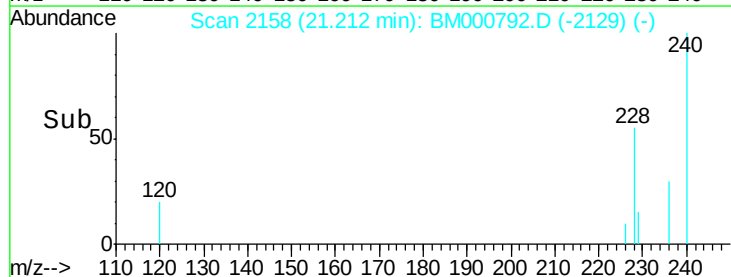
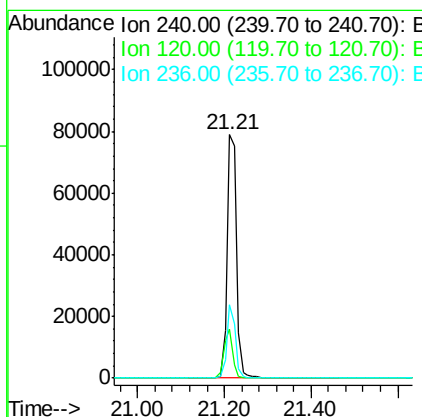
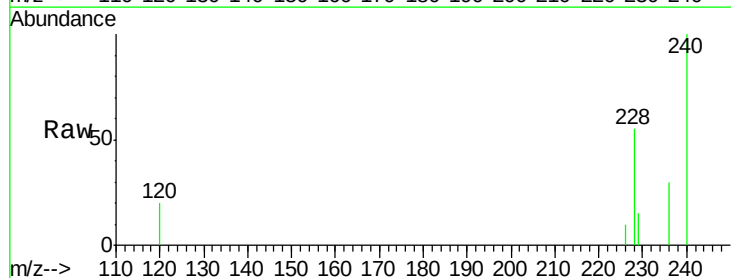
Manual Integrations
 APPROVED

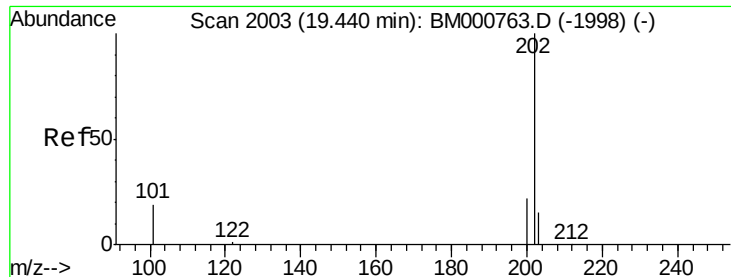
apatel
 4/2/2015 5:38:36 PM



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.21 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BM000792.D
 Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	119140		
120	20.0	14.9	22.3	
236	30.2	24.2	36.4	





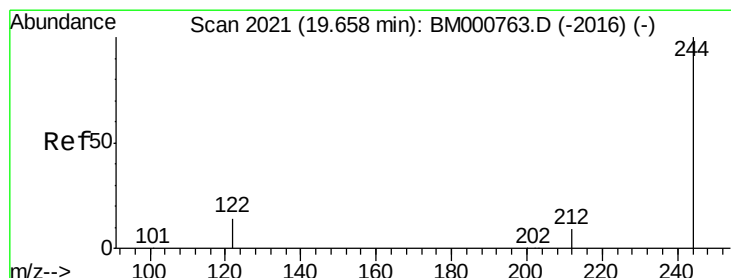
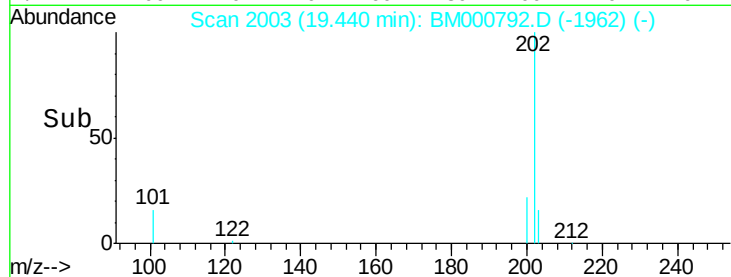
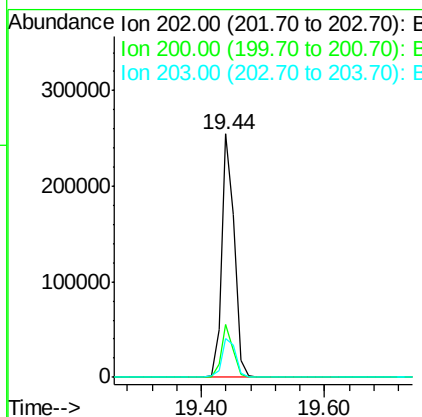
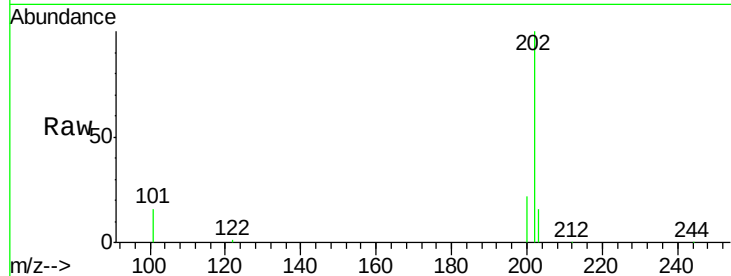
#20
Pyrene
Concen: 9.36 ng
RT: 19.44 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Instrument :
BNA_M
ClientSampleId :
PB82054BS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	363639		
200	20.2	16.2	24.2	
203	17.8	13.9	20.9	

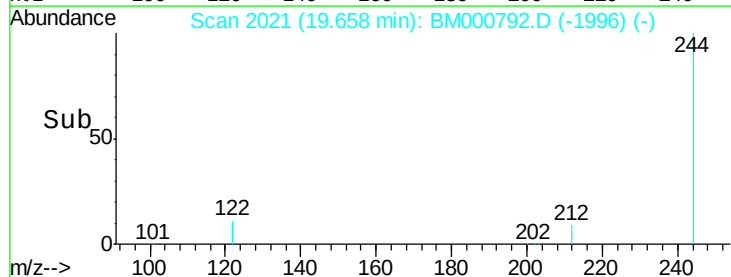
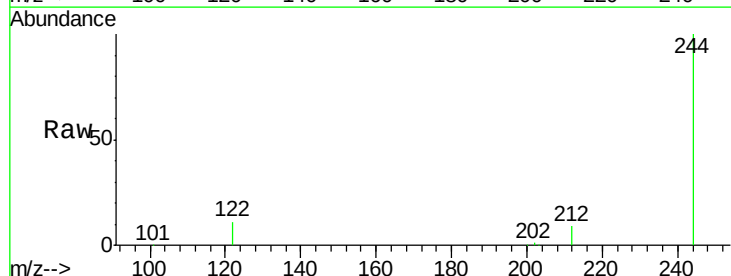
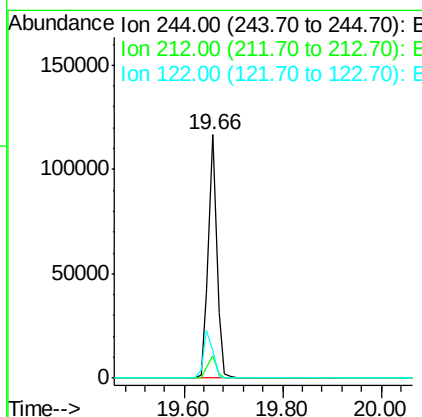
Manual Integrations
APPROVED

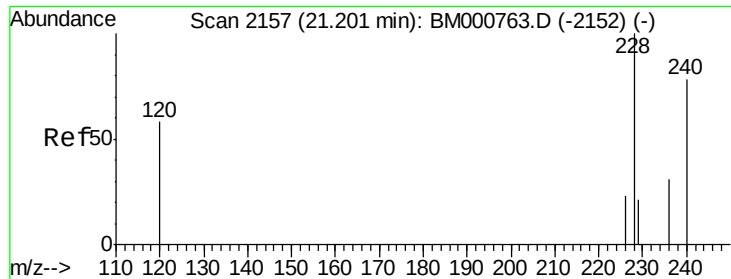
apatel
4/2/2015 5:38:36 PM



#21
Terphenyl-d14
Concen: 9.87 ng
RT: 19.66 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	141537		
212	9.0	7.8	11.6	
122	11.1	11.8	17.8#	





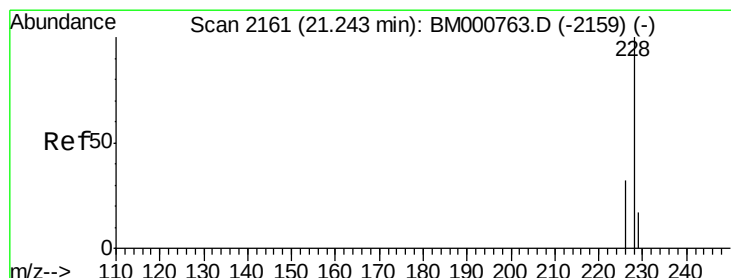
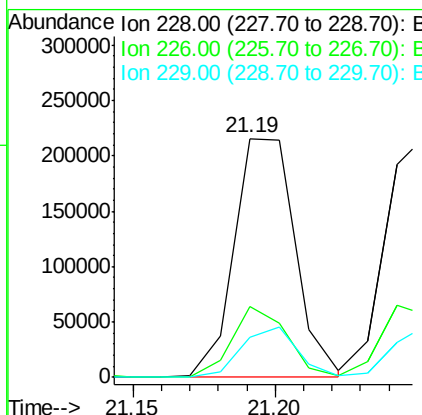
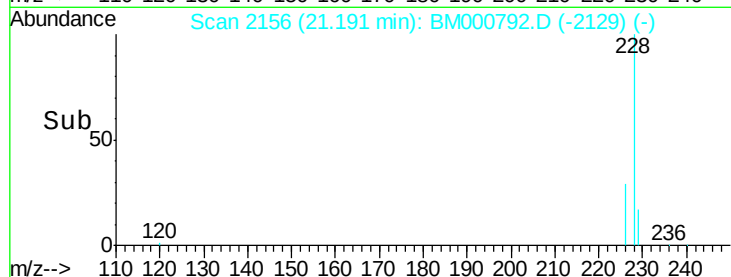
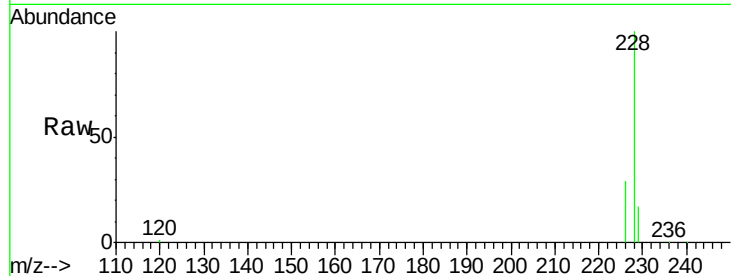
#22
Benzo(a)anthracene
Concen: 9.51 ng m
RT: 21.19 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

Instrument :
BNA_M
ClientSampled :
PB82054BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	18.6	27.8#
229	16.8	17.2	25.8#

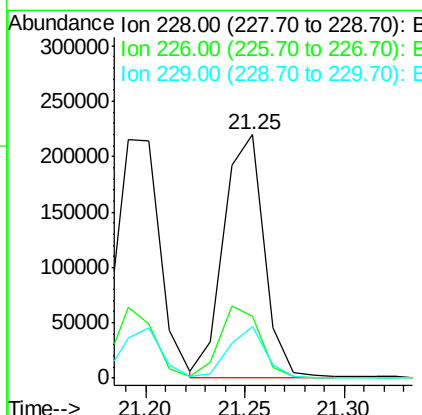
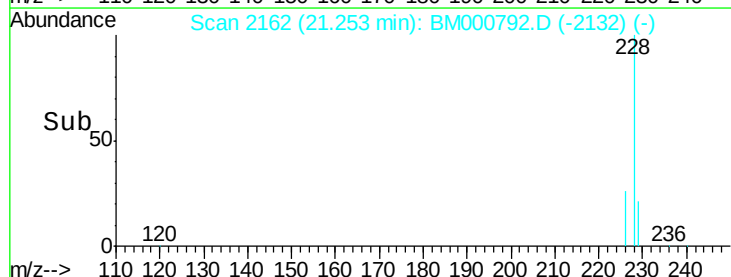
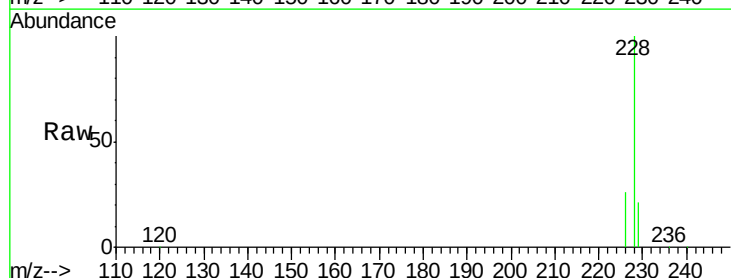
Manual Integrations
APPROVED

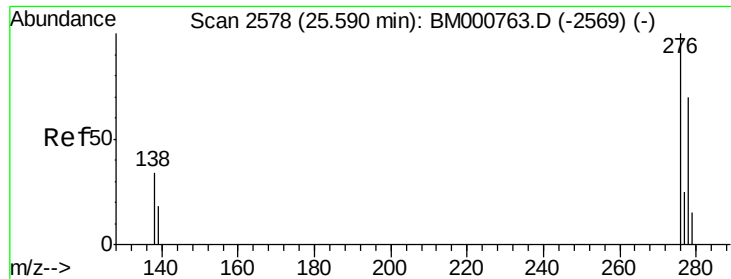
apatel
4/2/2015 5:38:36 PM



#23
Chrysene
Concen: 8.75 ng m
RT: 21.25 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

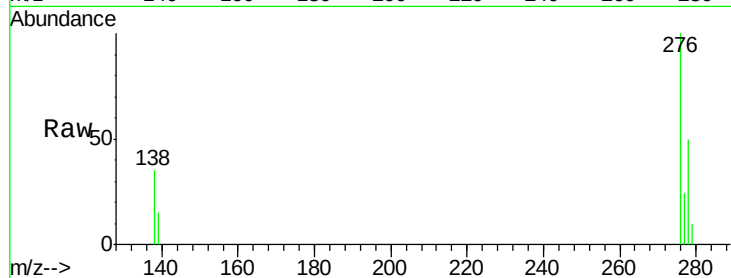
Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.5	25.8	38.8#
229	21.2	13.8	20.6#





#24
 Indeno(1,2,3-cd)pyrene
 Concen: 8.90 ng
 RT: 25.58 min Scan# 2577
 Delta R.T. -0.01 min
 Lab File: BM000792.D
 Acq: 01 Apr 2015 19:57

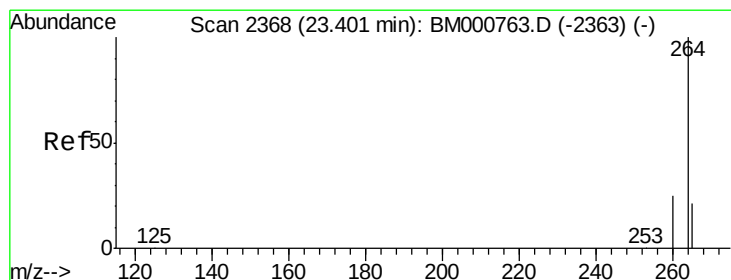
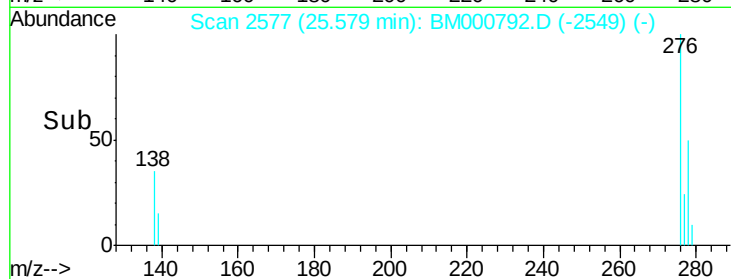
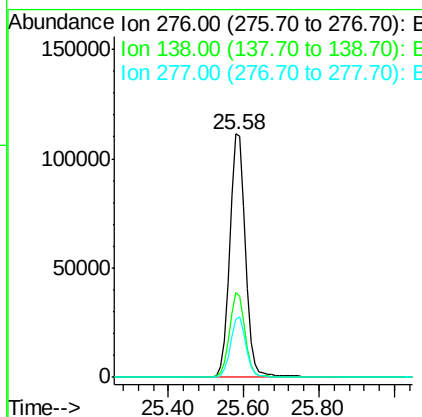
Instrument :
 BNA_M
 ClientSampleID :
 PB82054BS



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	34.8	27.4	41.2
277	24.5	19.7	29.5

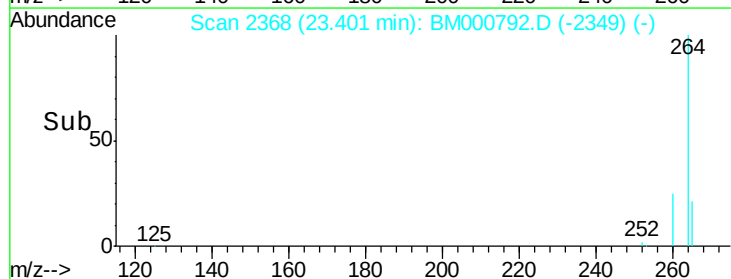
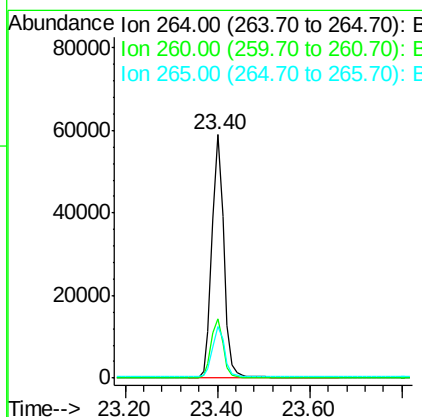
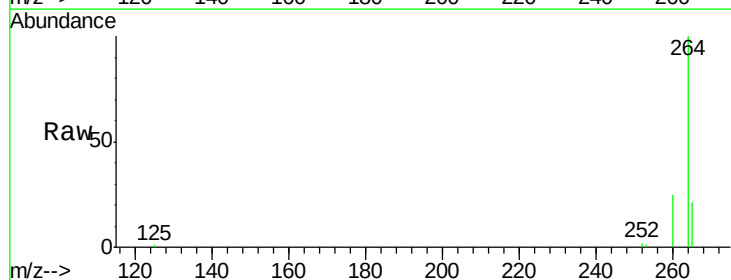
Manual Integrations
 APPROVED

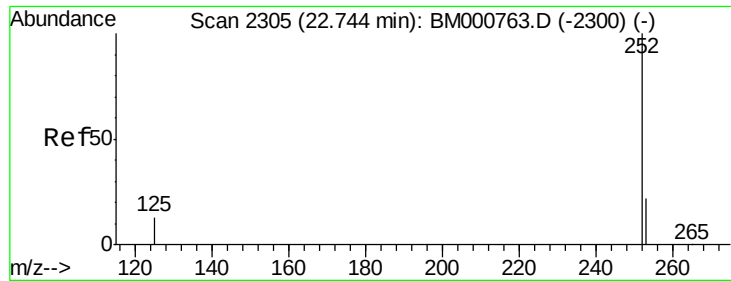
apatel
 4/2/2015 5:38:36 PM



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.40 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: BM000792.D
 Acq: 01 Apr 2015 19:57

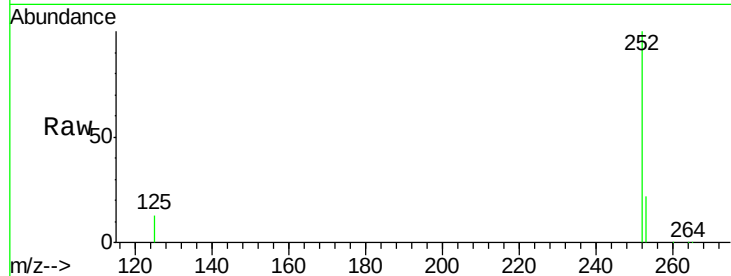
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	20.1	30.1
265	21.4	17.4	26.0





#26
Benzo(b)fluoranthene
Concen: 9.36 ng
RT: 22.74 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57

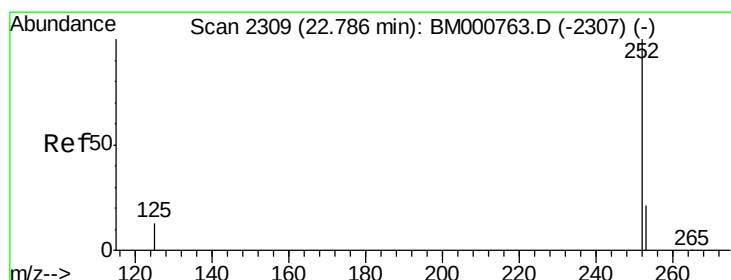
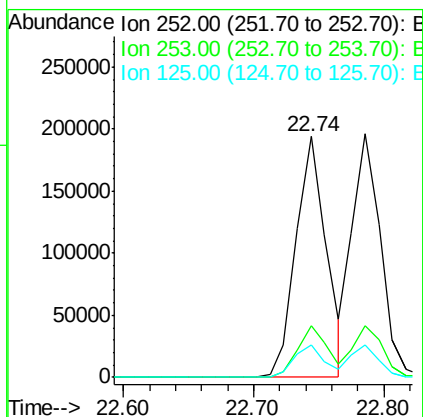
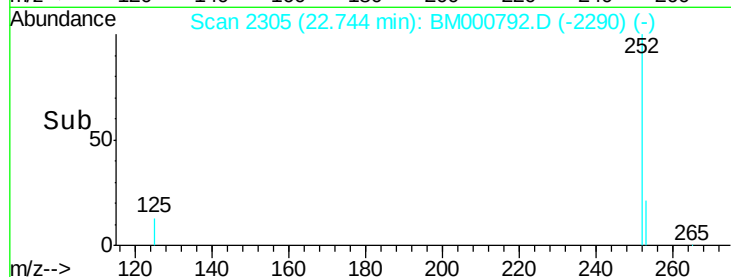
Instrument :
BNA_M
ClientSampleId :
PB82054BS



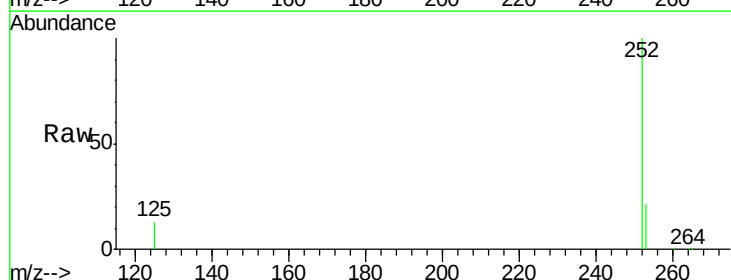
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.5	27.7
125	13.2	10.6	16.0

Manual Integrations
APPROVED

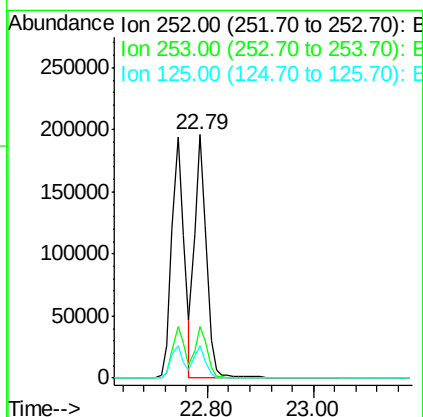
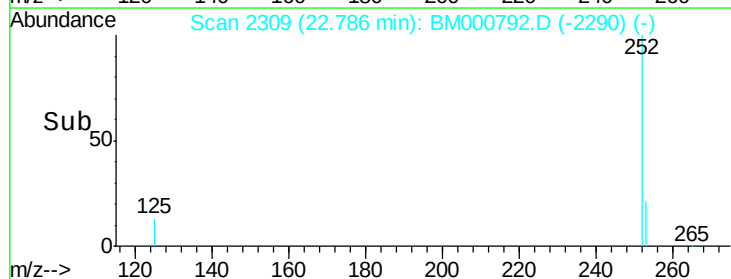
apatel
4/2/2015 5:38:36 PM

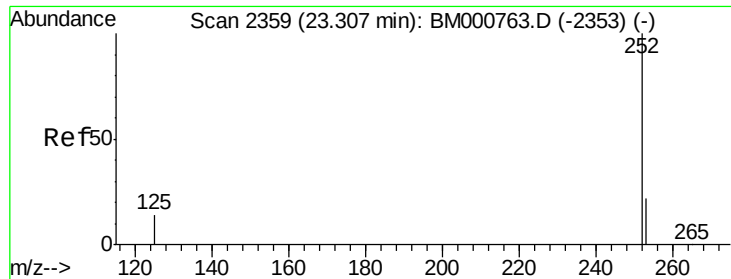


#27
Benzo(k)fluoranthene
Concen: 9.37 ng
RT: 22.79 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BM000792.D
Acq: 01 Apr 2015 19:57



Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	13.5	10.8	16.2





#28

Benzo(a)pyrene

Concen: 10.10 ng

RT: 23.30 min Scan# 2358

Delta R.T. -0.01 min

Lab File: BM000792.D

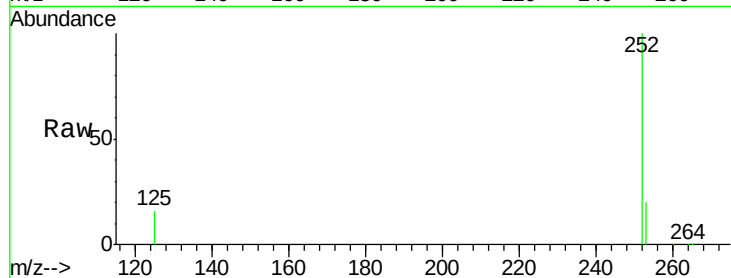
Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

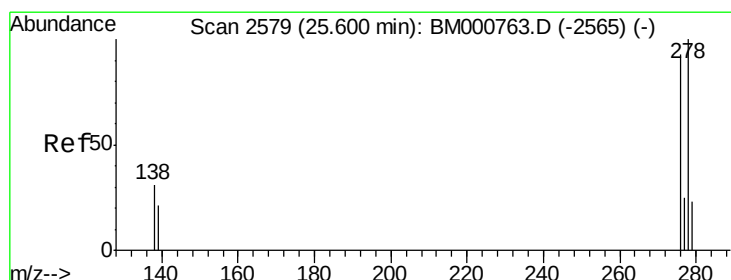
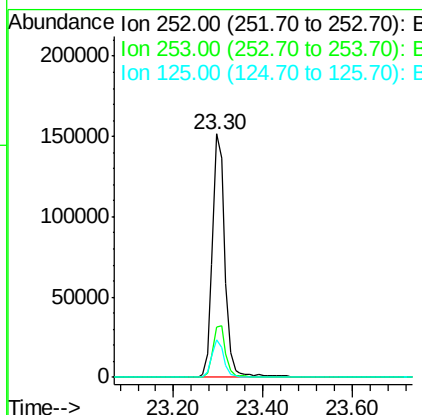
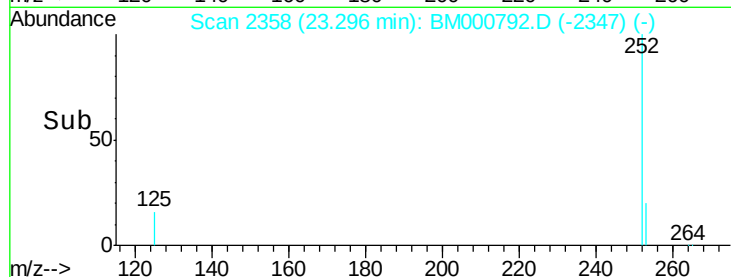
PB82054BS



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	291344		
253	20.4	19.4	29.2	
125	15.6	11.5	17.3	

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM



#29

Dibenzo(a,h)anthracene

Concen: 9.35 ng

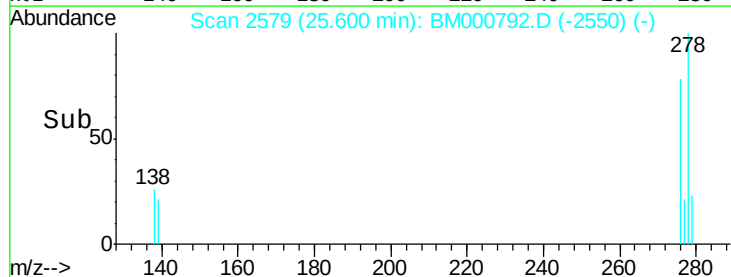
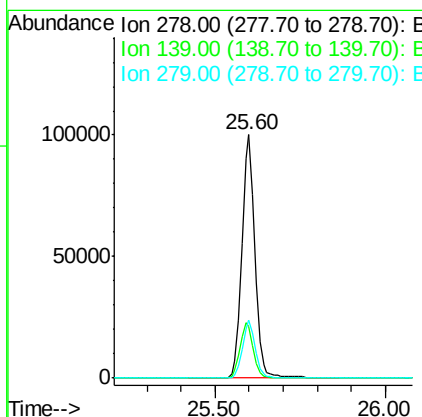
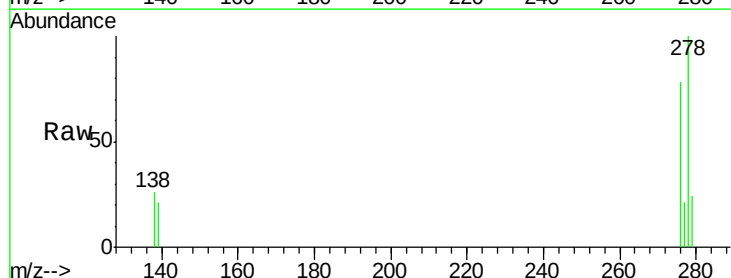
RT: 25.60 min Scan# 2579

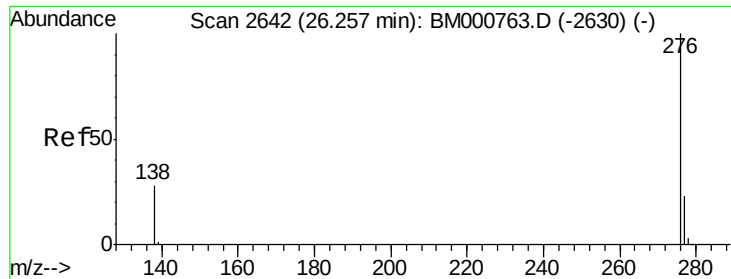
Delta R.T. -0.00 min

Lab File: BM000792.D

Acq: 01 Apr 2015 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	266295		
139	21.0	17.8	26.6	
279	23.6	19.3	28.9	





#30

Benzo(g,h,i)perylene

Concen: 9.08 ng

RT: 26.26 min Scan# 2642

Delta R.T. -0.00 min

Lab File: BM000792.D

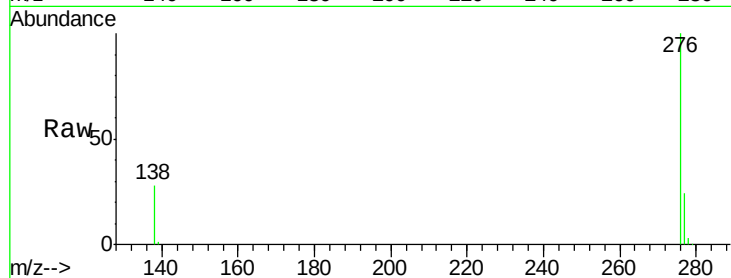
Acq: 01 Apr 2015 19:57

Instrument :

BNA_M

ClientSampleId :

PB82054BS



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	279265		
277	23.8	19.1	28.7	
138	27.7	23.1	34.7	

Manual Integrations
APPROVED

apatel
4/2/2015 5:38:36 PM

