

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
 Data File : BM000925.D
 Acq On : 09 Apr 2015 13:43
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
 APPROVED

apatel
 4/9/2015 4:33:03 PM

Quant Time: Apr 09 14:37:33 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	35578	5.00	ng	-0.01
4) Naphthalene-d8	10.39	136	123559	5.00	ng	-0.01
8) Acenaphthene-d10	14.26	164	63383	5.00	ng	-0.02
13) Phenanthrene-d10	17.01	188	133280	5.00	ng	0.00
19) Chrysene-d12	21.20	240	120993	5.00	ng	-0.01
25) Perylene-d12	23.38	264	111404	5.00	ng	-0.02
System Monitoring Compounds						
5) Nitrobenzene-d5	8.76	82	6264	1.00	ng	0.00
9) 2-Fluorobiphenyl	12.88	172	18992	0.97	ng	-0.01
21) Terphenyl-d14	19.65	244	14963	1.03	ng	-0.01
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.44	42	3312	0.96	ng	96
6) Naphthalene	10.44	128	28256	0.98	ng	100
7) 2-Methylnaphthalene	12.06	142	18258	1.01	ng	95
10) Acenaphthylene	13.97	152	27954	1.00	ng	100
11) Acenaphthene	14.31	154	18626	0.96	ng	99
12) Fluorene	15.32	166	21777	1.00	ng	98
14) Hexachlorobenzene	16.33	284	7036	0.90	ng	# 43
15) Pentachlorophenol	16.66	266	2461	1.49	ng	89
16) Phenanthrene	17.05	178	34463m	0.94	ng	
17) Anthracene	17.13	178	33784	1.10	ng	99
18) Fluoranthene	19.06	202	37748	1.05	ng	99
20) Pyrene	19.43	202	39650	1.00	ng	100
22) Benzo(a)anthracene	21.18	228	34647	1.00	ng	# 89
23) Chrysene	21.23	228	35536	0.98	ng	100
24) Indeno(1,2,3-cd)pyrene	25.56	276	36664	0.98	ng	99
26) Benzo(b)fluoranthene	22.72	252	33149	0.94	ng	97
27) Benzo(k)fluoranthene	22.78	252	34440	1.02	ng	97
28) Benzo(a)pyrene	23.29	252	29889	0.99	ng	99
29) Dibenzo(a,h)anthracene	25.58	278	28145	0.95	ng	97
30) Benzo(g,h,i)perylene	26.23	276	31218	0.97	ng	99

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

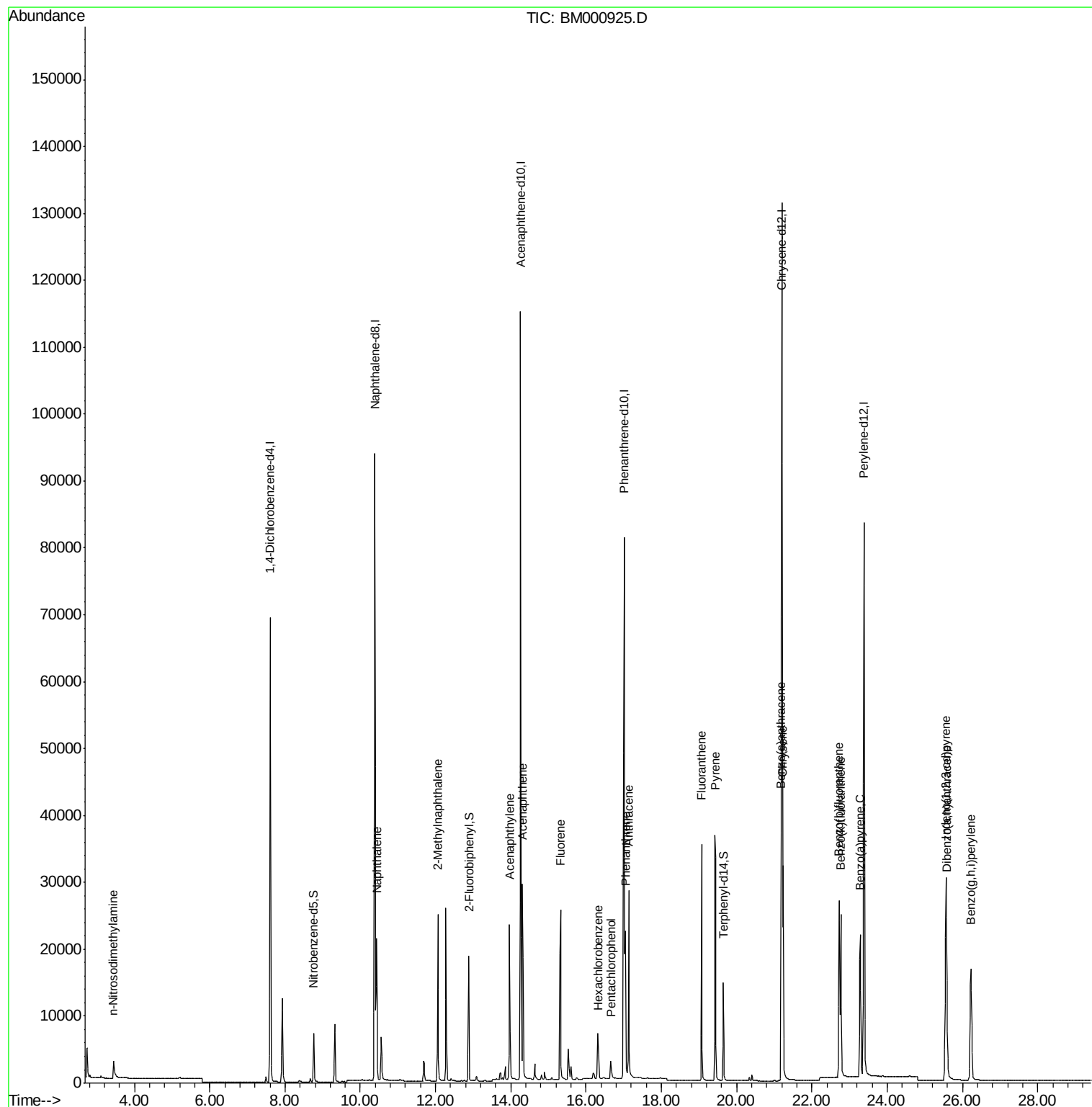
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040815\
Data File : BM000925.D
Acq On : 09 Apr 2015 13:43
Operator : TP/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

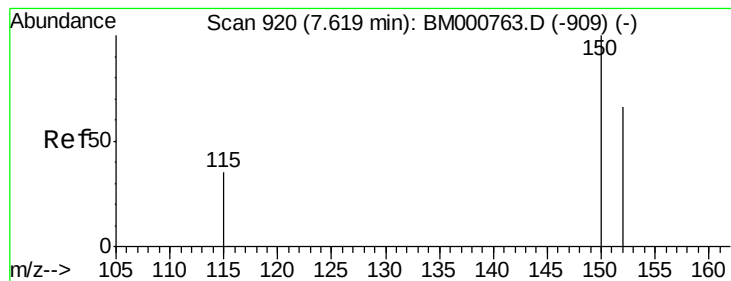
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM

Quant Time: Apr 09 14:37:33 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# 918

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

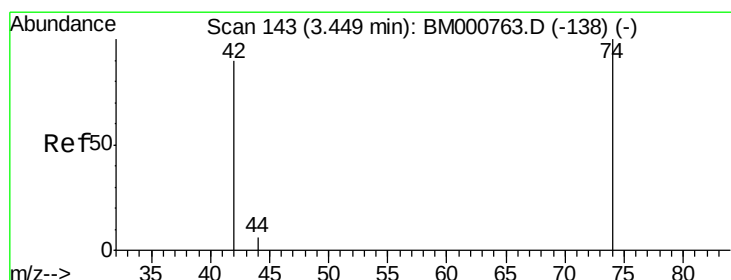
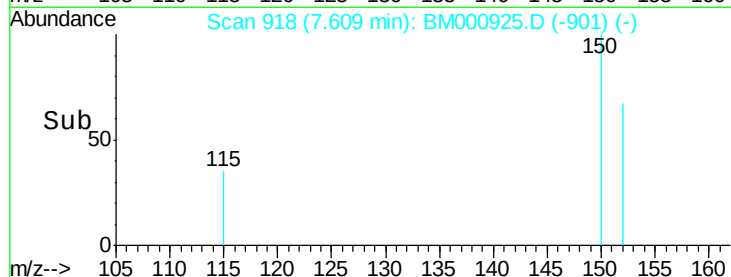
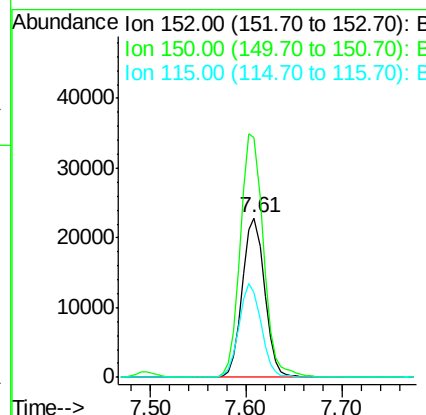
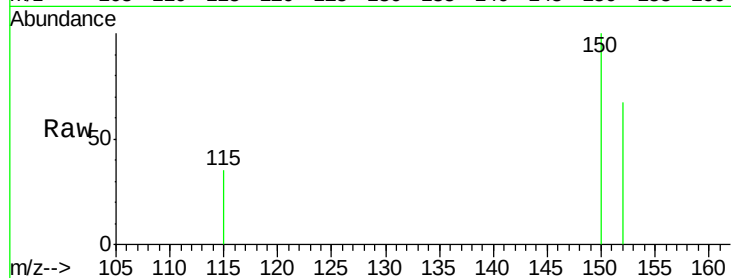
SSTDCCC001EC

Manual Integrations
APPROVED

apatel

4/9/2015 4:33:03 PM

Tgt Ion:	152	Resp:	35578
Ion	Ratio	Lower	Upper
152	100		
150	150.2	120.8	181.2
115	52.8	42.7	64.1



#3

n-Nitrosodimethylamine

Concen: 0.96 ng

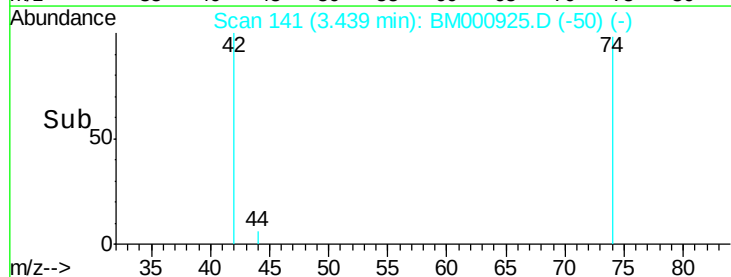
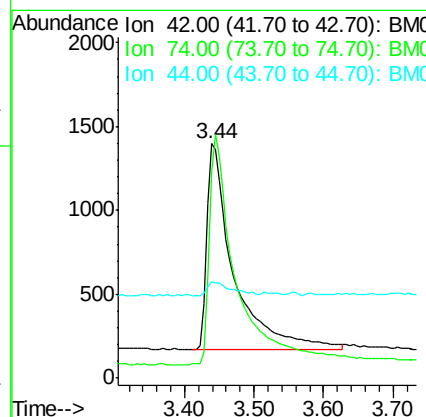
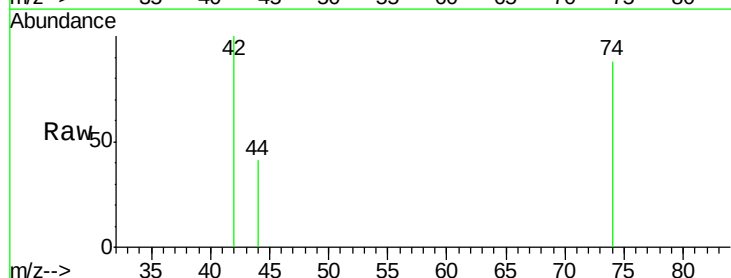
RT: 3.44 min Scan# 141

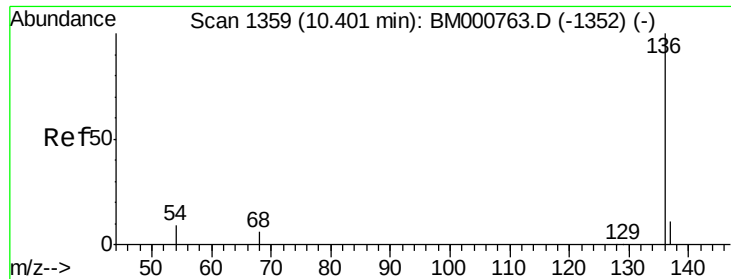
Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Tgt Ion:	42	Resp:	3312
Ion	Ratio	Lower	Upper
42	100		
74	121.3	93.6	140.4
44	6.4	6.3	9.5





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 1358

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

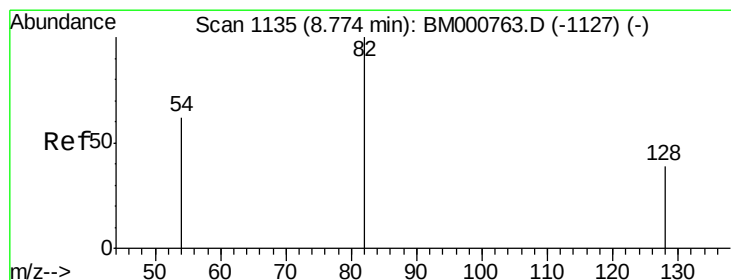
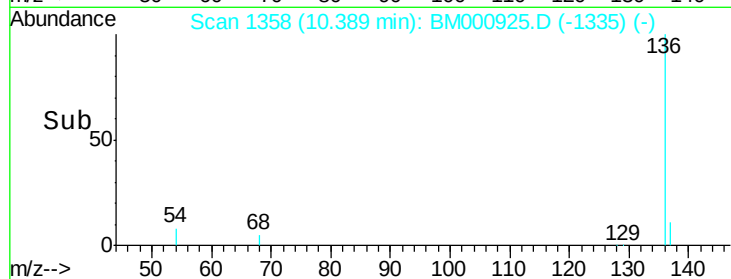
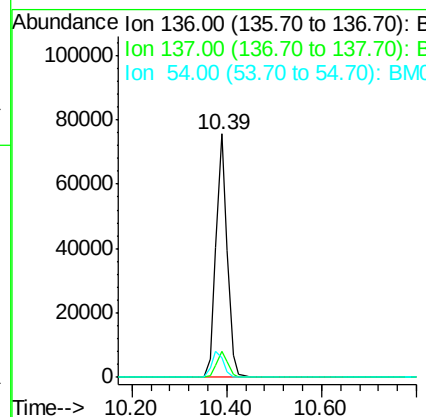
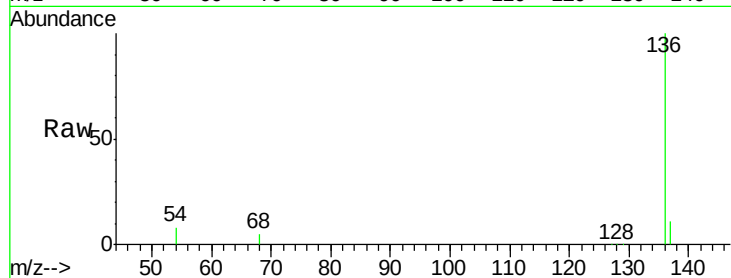
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	136	Resp:	123559
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	8.0	7.0	10.6

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#5

Nitrobenzene-d5

Concen: 1.00 ng

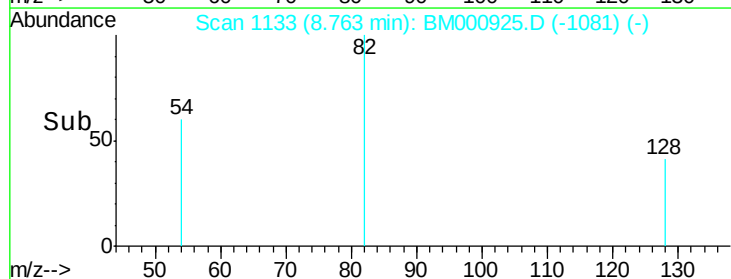
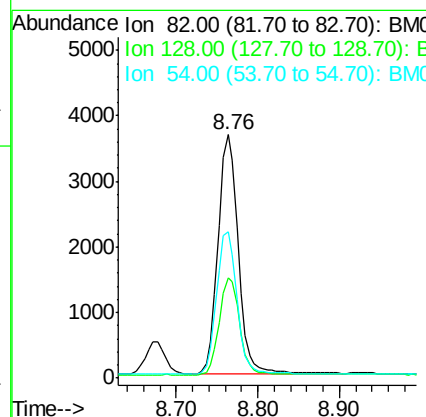
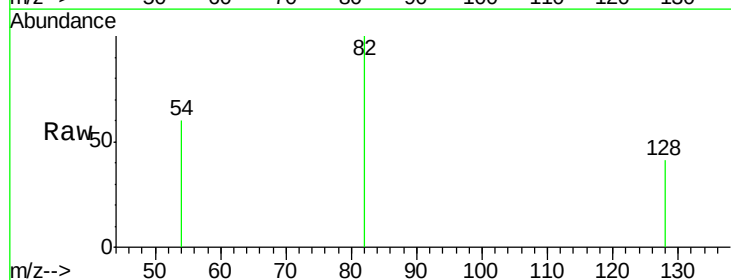
RT: 8.76 min Scan# 1133

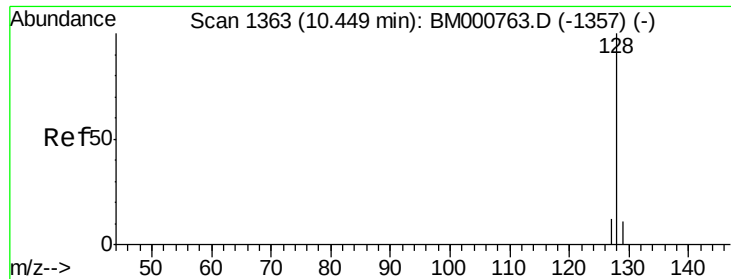
Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Tgt Ion:	82	Resp:	6264
Ion Ratio	Lower	Upper	
82	100		
128	41.4	32.2	48.2
54	60.1	50.2	75.4





#6

Naphthalene

Concen: 0.98 ng

RT: 10.44 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

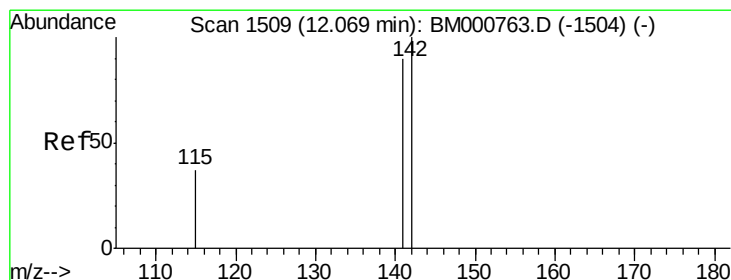
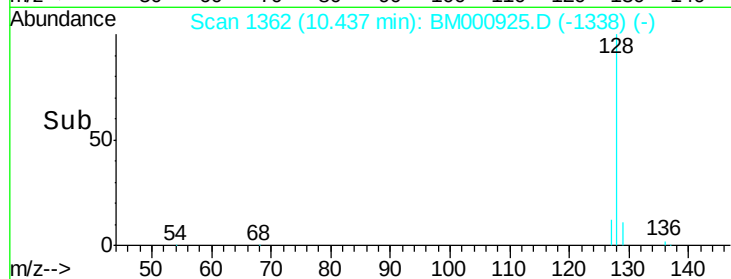
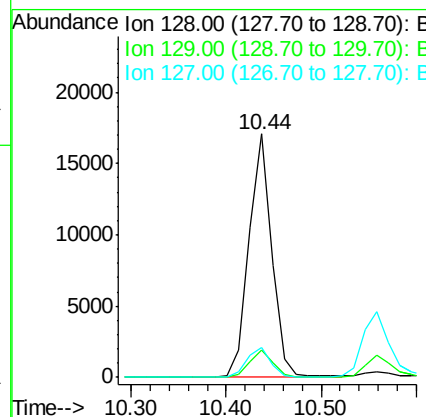
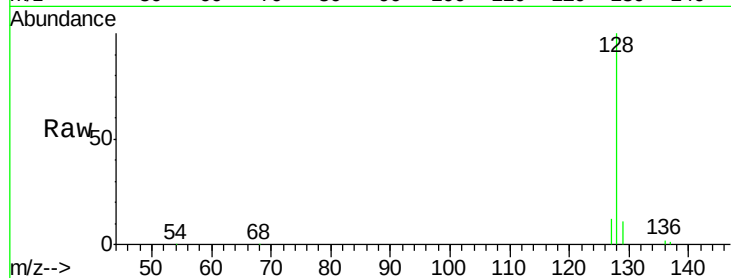
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	128	Resp:	28256
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	12.4	10.0	15.0

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#7

2-Methylnaphthalene

Concen: 1.01 ng

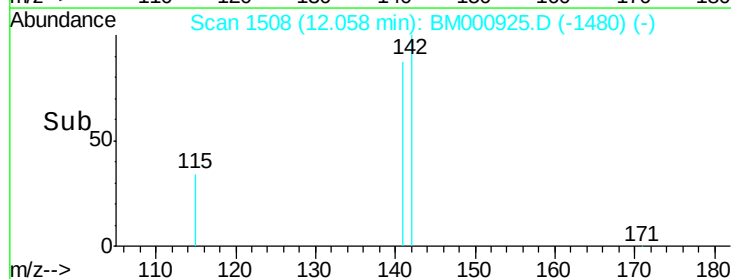
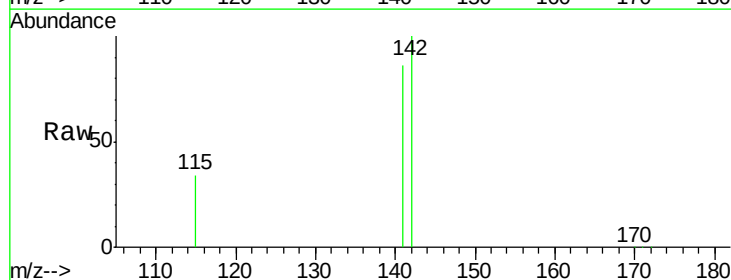
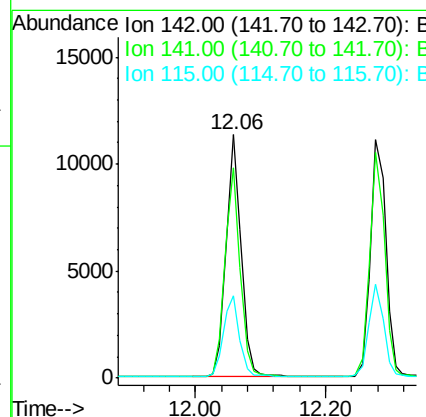
RT: 12.06 min Scan# 1508

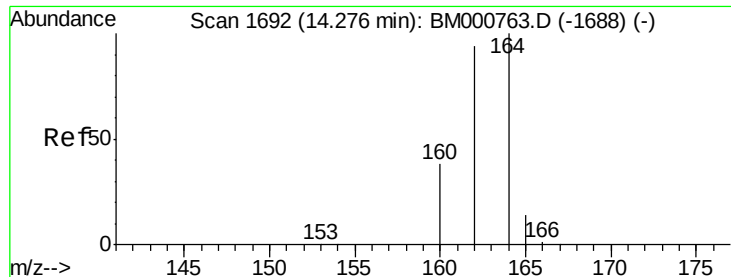
Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Tgt Ion:	142	Resp:	18258
Ion Ratio	Lower	Upper	
142	100		
141	86.3	72.3	108.5
115	33.9	29.5	44.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 1691

Delta R.T. -0.02 min

Lab File: BM000925.D

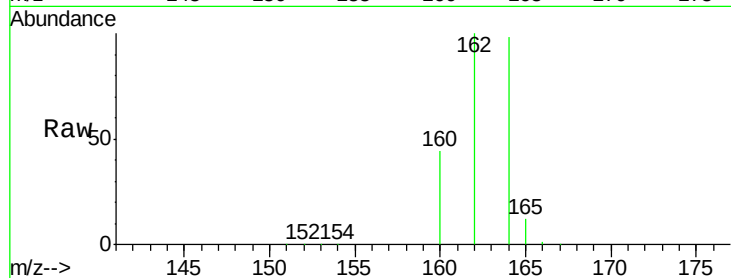
Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC



Tgt Ion:164 Resp: 63383

Ion Ratio Lower Upper

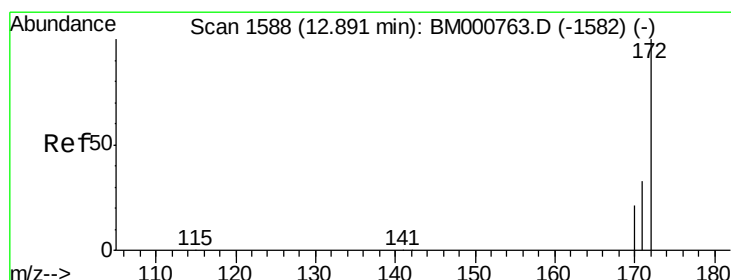
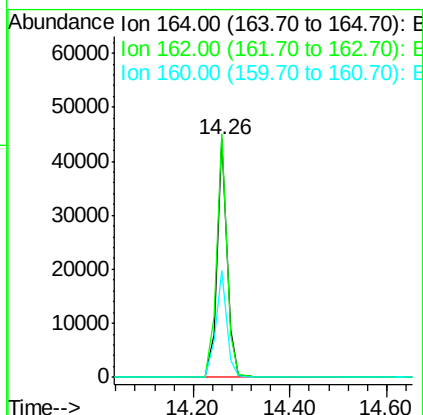
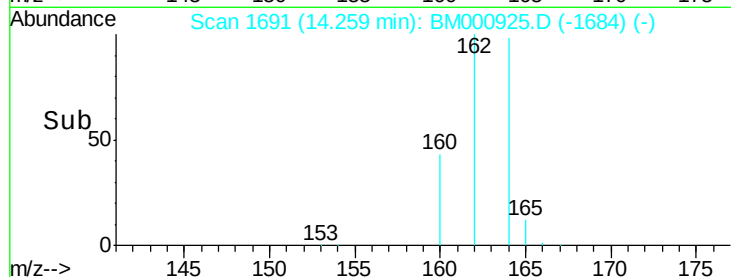
164 100

162 102.2 75.4 113.2

160 44.5 30.8 46.2

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#9

2-Fluorobiphenyl

Concen: 0.97 ng

RT: 12.88 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

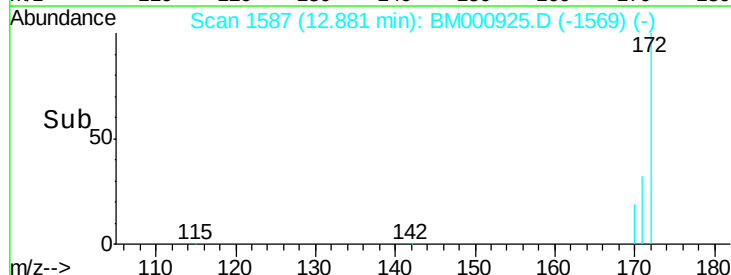
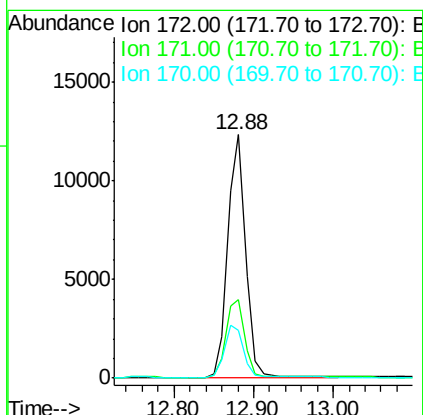
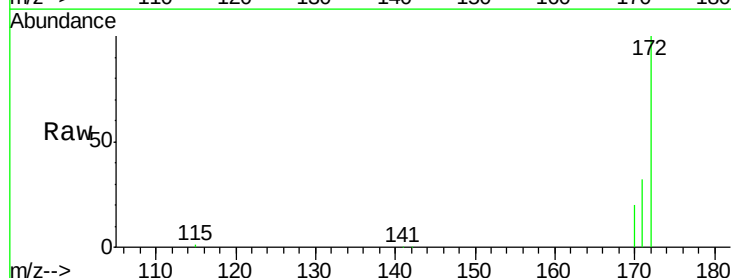
Tgt Ion:172 Resp: 18992

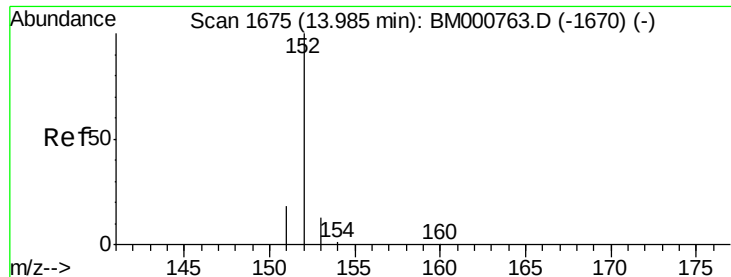
Ion Ratio Lower Upper

172 100

171 32.1 26.6 39.8

170 19.6 17.1 25.7





#10

Acenaphthylene

Concen: 1.00 ng

RT: 13.97 min Scan# 1674

Delta R.T. -0.02 min

Lab File: BM000925.D

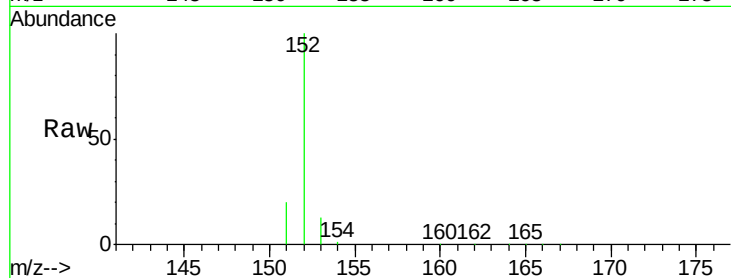
Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

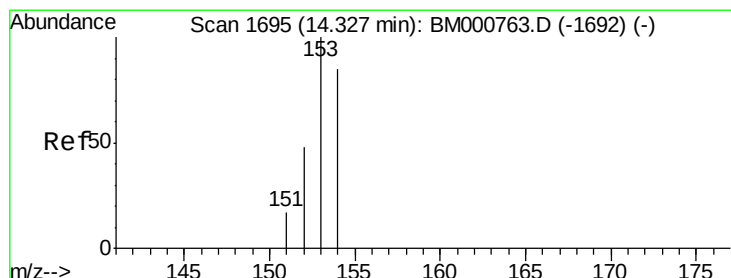
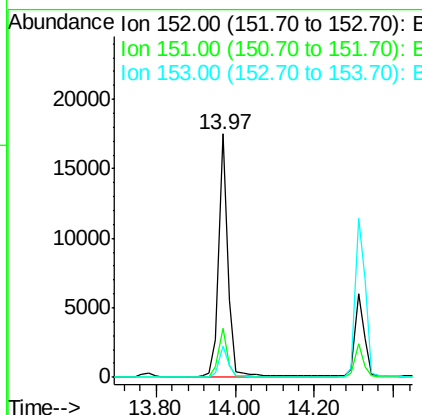
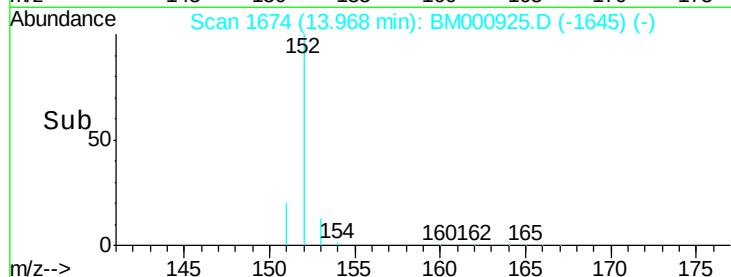
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7
153	12.8	10.2	15.4

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#11

Acenaphthene

Concen: 0.96 ng

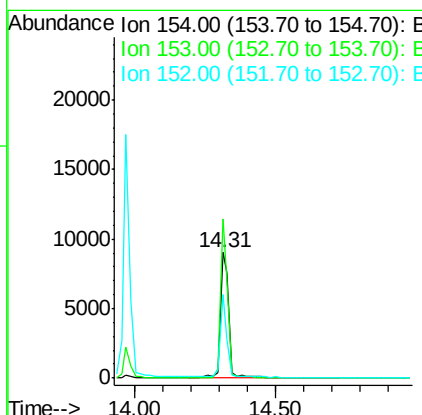
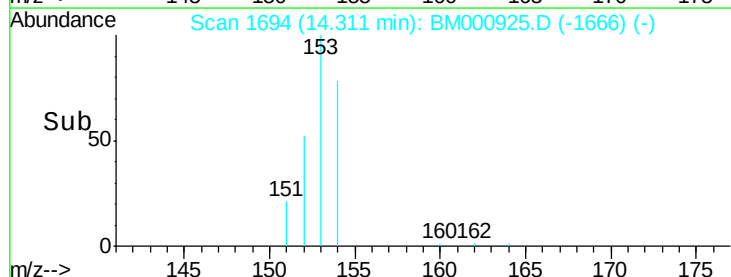
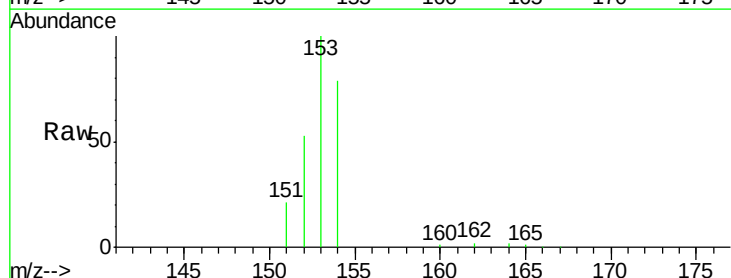
RT: 14.31 min Scan# 1694

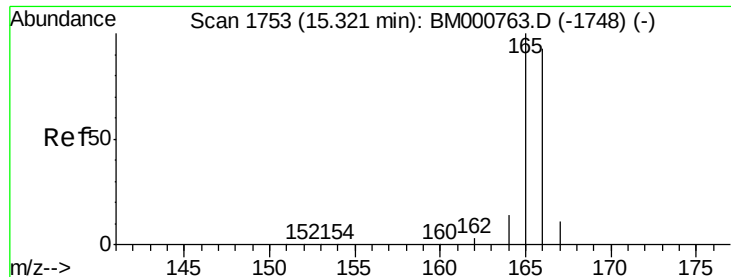
Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	107.9	87.3	130.9
152	52.7	43.0	64.6





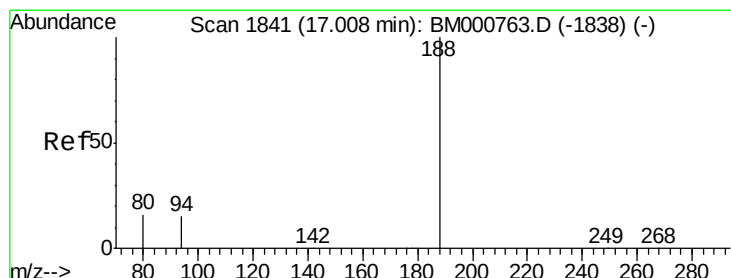
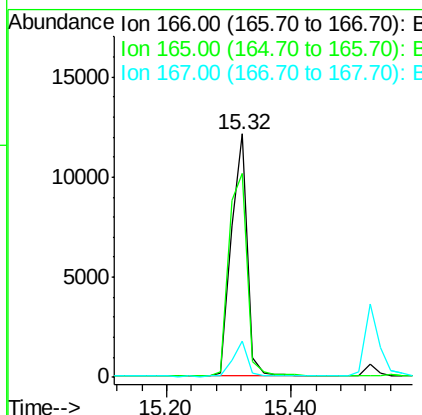
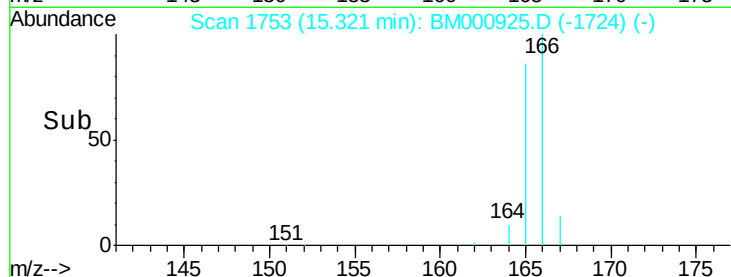
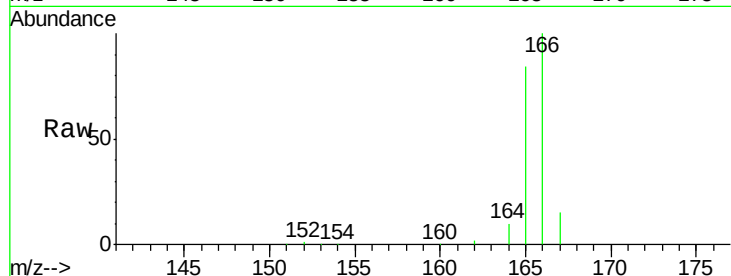
#12
Fluorene
 Concen: 1.00 ng
 RT: 15.32 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.2	117.2
167	13.4	10.7	16.1

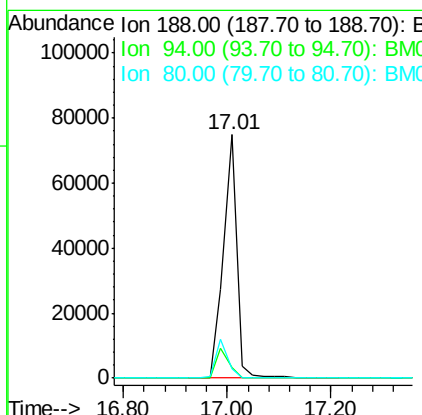
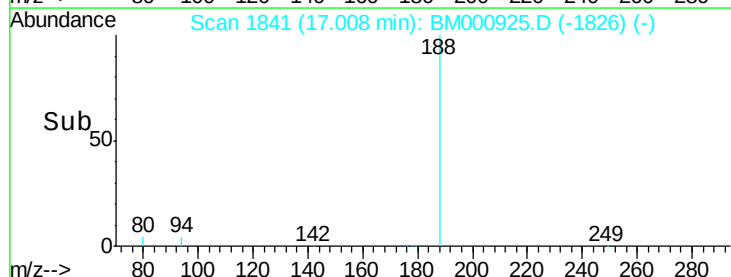
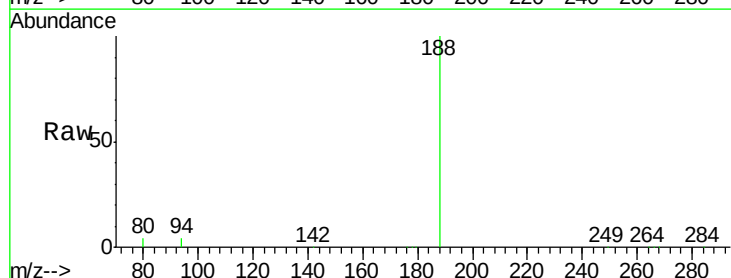
Manual Integrations
 APPROVED

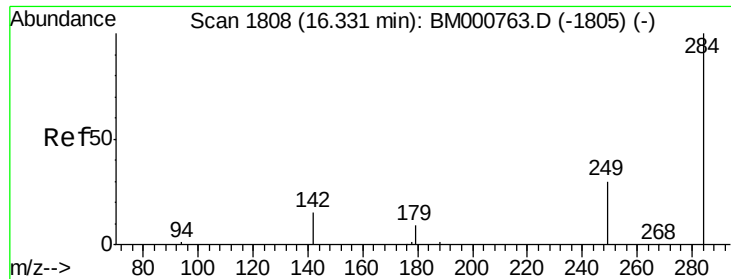
apatel
 4/9/2015 4:33:03 PM



#13
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.01 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.1	12.0	18.0#
80	3.6	12.8	19.2#





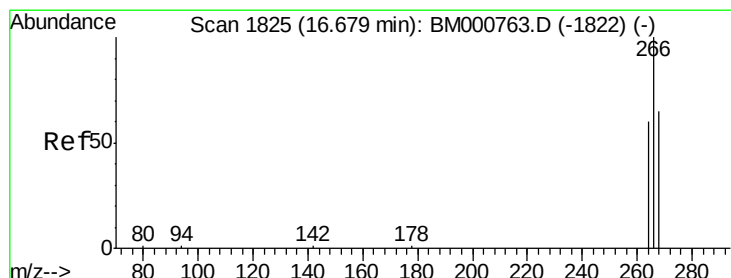
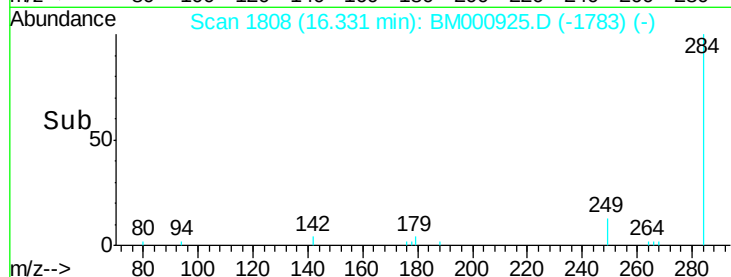
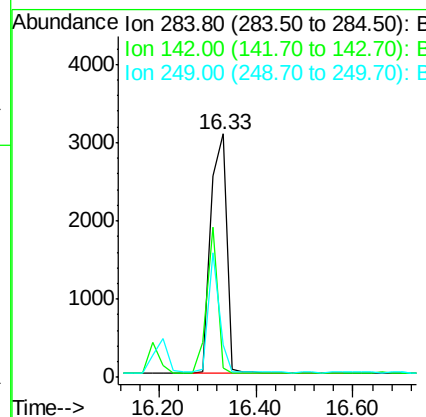
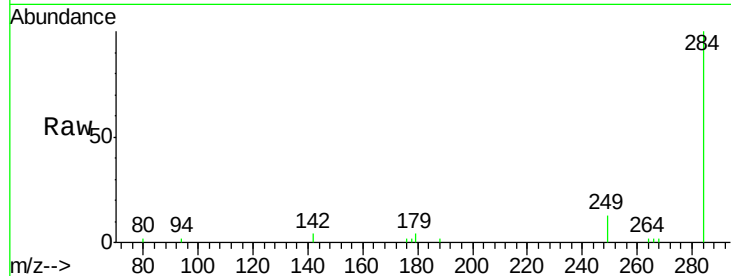
#14
Hexachlorobenzene
Concen: 0.90 ng
RT: 16.33 min Scan# 1808
Delta R.T. 0.00 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

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

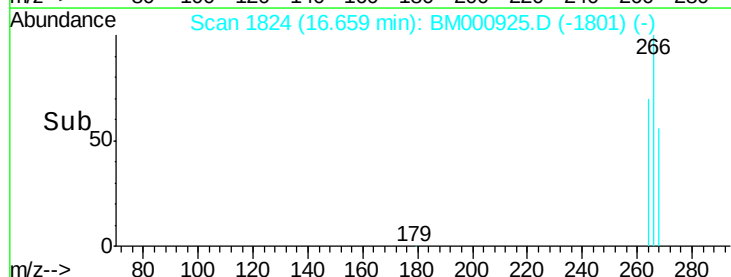
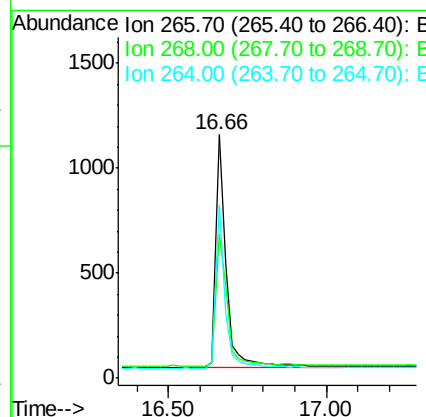
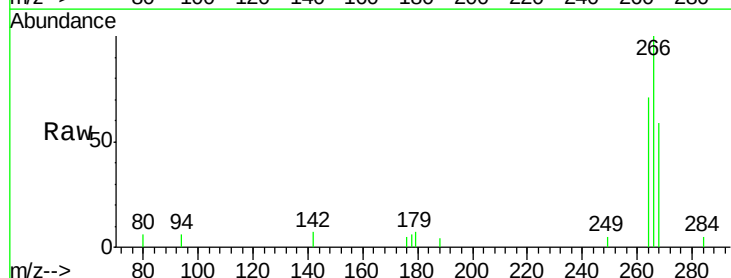
Manual Integrations
APPROVED

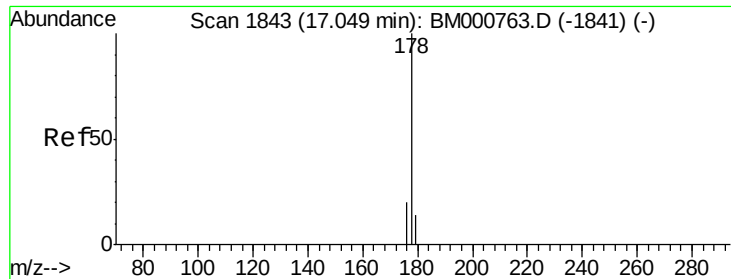
apatel
4/9/2015 4:33:03 PM



#15
Pentachlorophenol
Concen: 1.49 ng
RT: 16.66 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.9	55.0	82.6
264	70.9	51.0	76.4





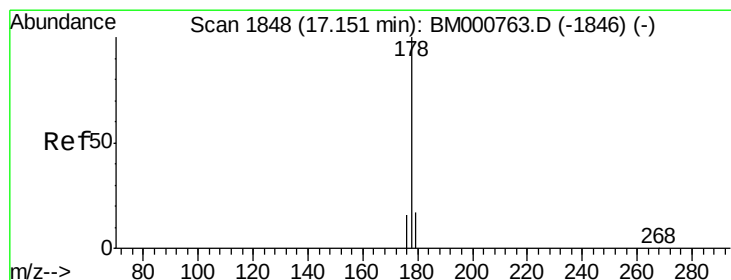
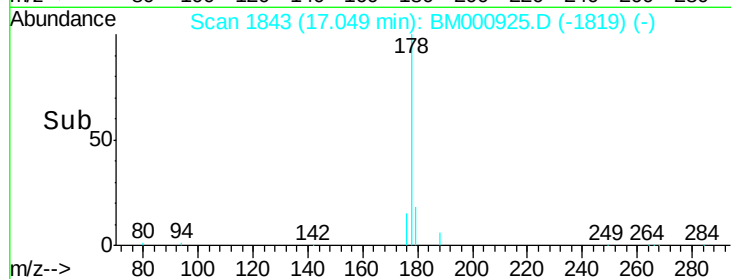
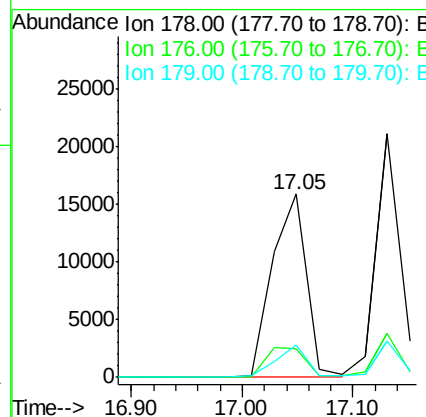
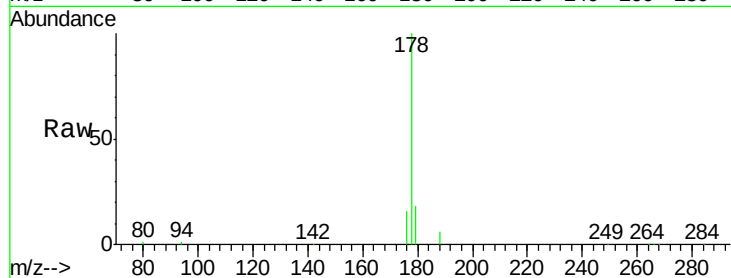
#16
Phenanthrene
Concen: 0.94 ng m
RT: 17.05 min Scan# 1843
Delta R.T. 0.00 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion:178 Resp: 34463
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 14.8 12.2 18.2

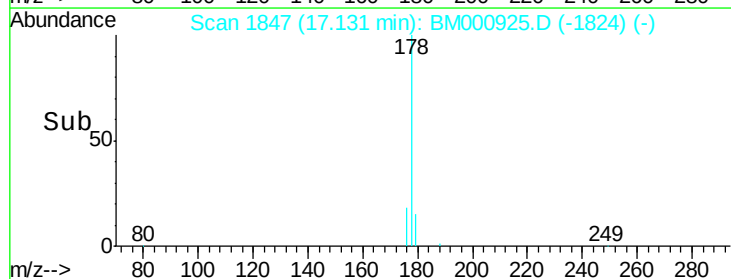
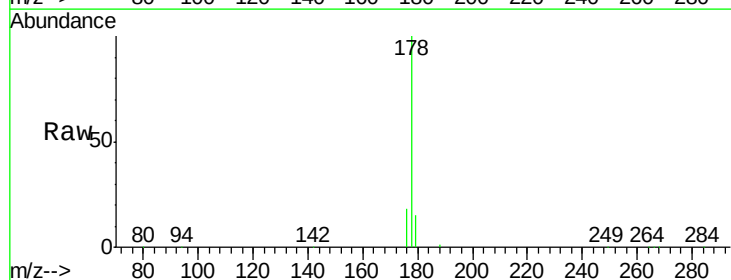
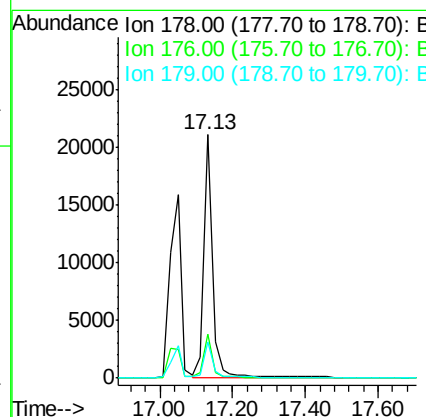
Manual Integrations
APPROVED

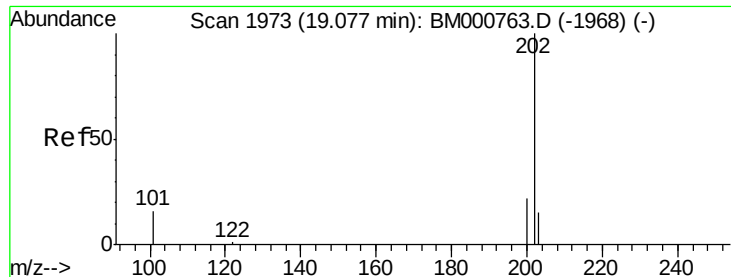
apatel
4/9/2015 4:33:03 PM



#17
Anthracene
Concen: 1.10 ng
RT: 17.13 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Tgt Ion:178 Resp: 33784
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 15.2 12.2 18.4





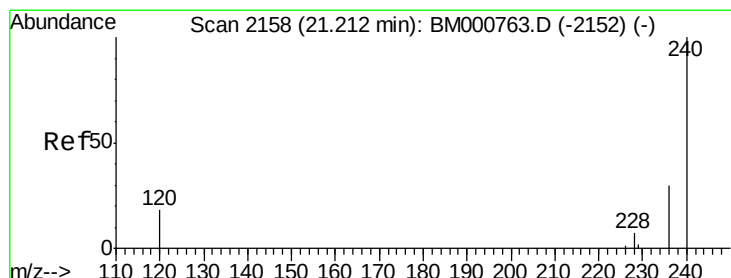
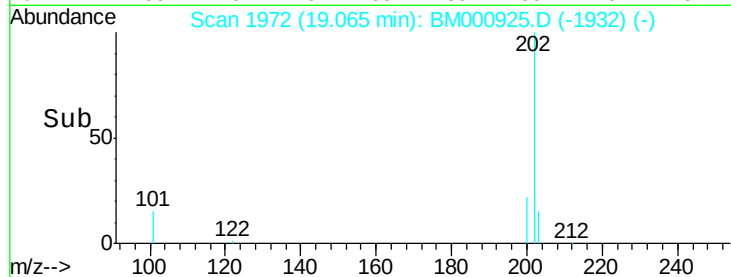
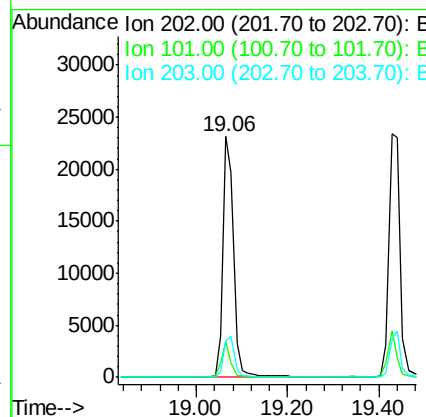
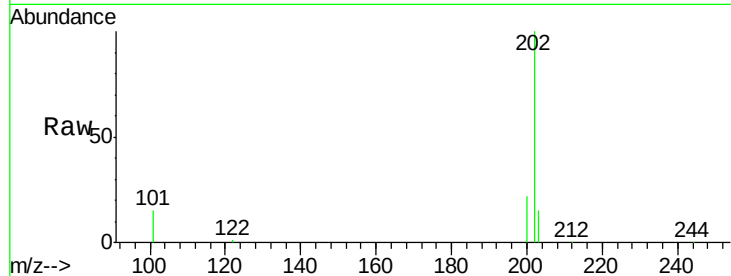
#18
 Fluoranthene
 Concen: 1.05 ng
 RT: 19.06 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	10.5	15.7
203	17.2	13.8	20.8

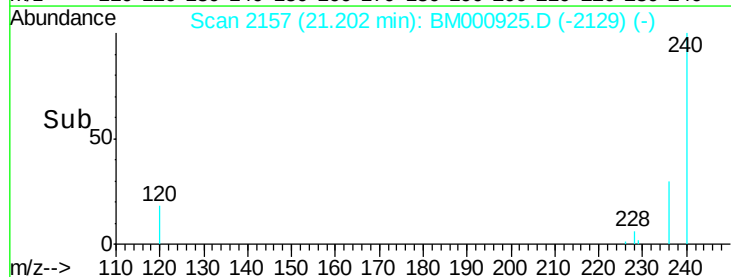
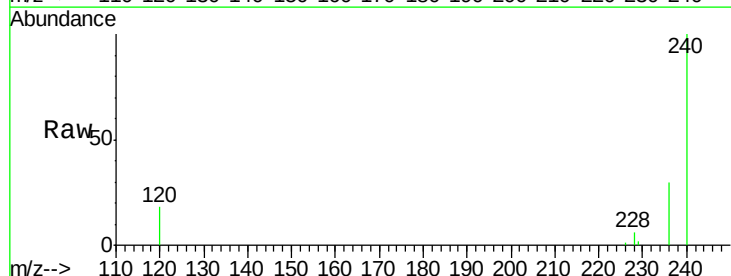
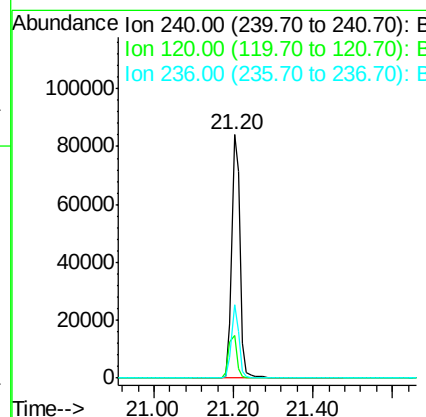
Manual Integrations
 APPROVED

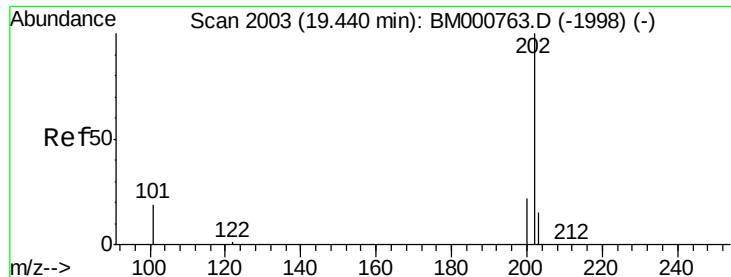
apatel
 4/9/2015 4:33:03 PM



#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.20 min Scan# 2157
 Delta R.T. -0.01 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.6	14.9	22.3
236	30.0	24.2	36.4





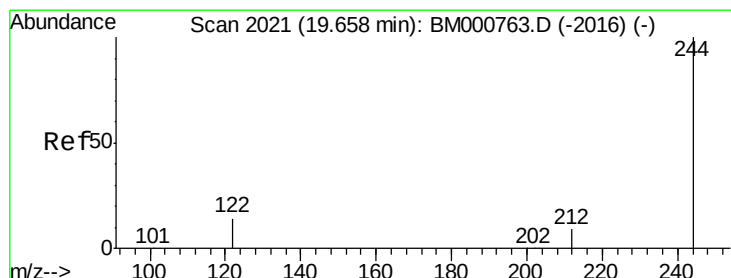
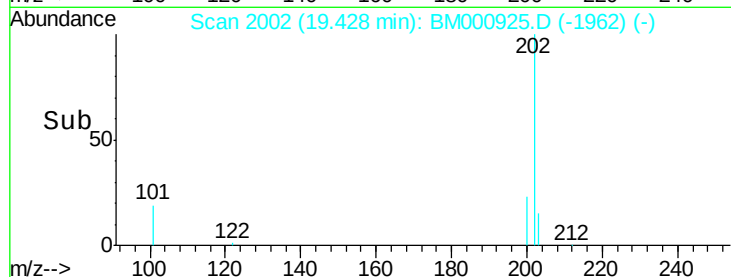
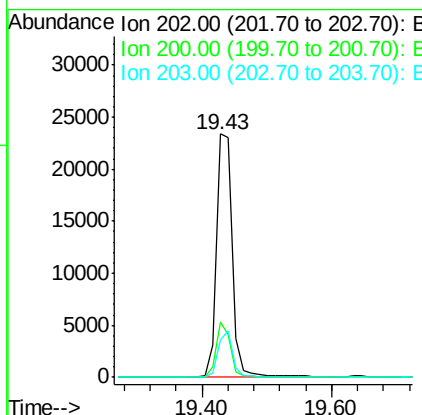
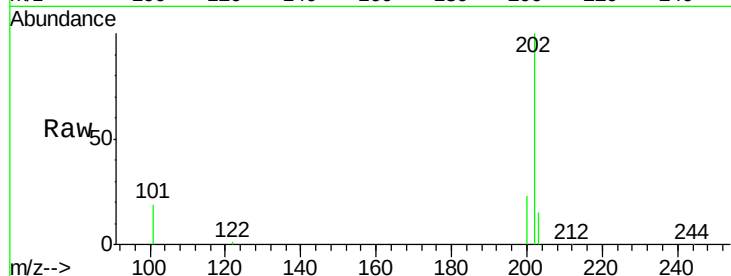
#20
Pyrene
Concen: 1.00 ng
RT: 19.43 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	39650		
200	20.2	16.2	24.2	
203	17.3	13.9	20.9	

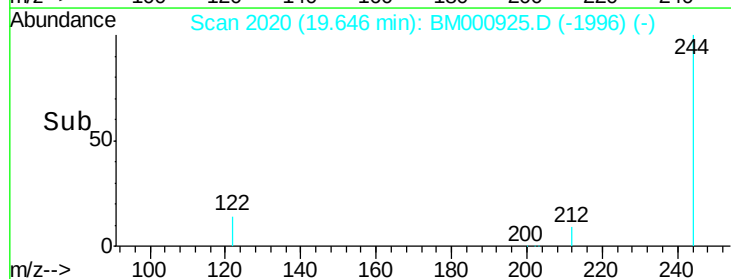
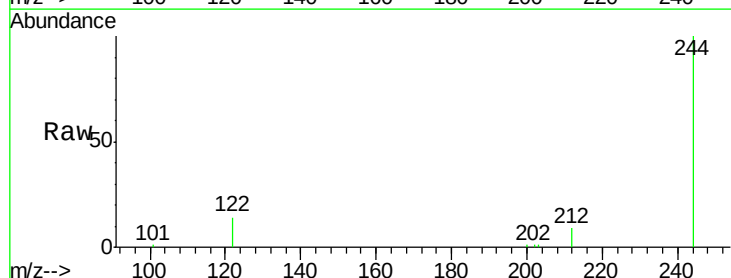
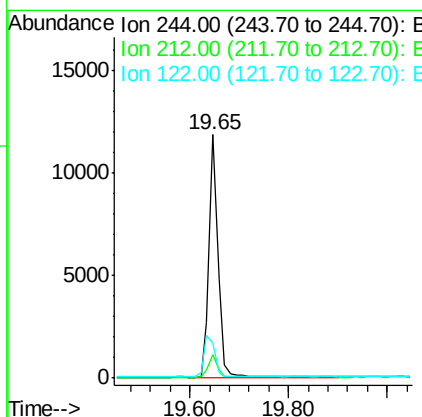
Manual Integrations
APPROVED

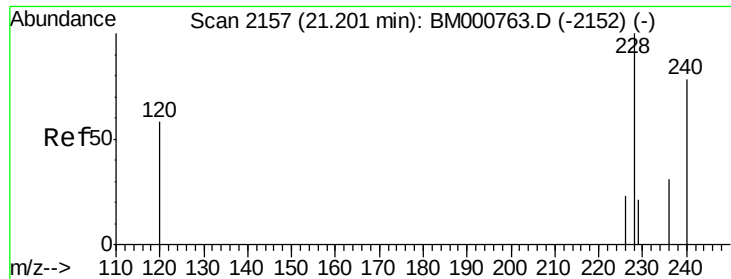
apatel
4/9/2015 4:33:03 PM



#21
Terphenyl-d14
Concen: 1.03 ng
RT: 19.65 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	14963		
212	9.5	7.8	11.6	
122	14.3	11.8	17.8	





#22

Benzo(a)anthracene

Concen: 1.00 ng

RT: 21.18 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion: 228 Resp: 34647

Ion Ratio Lower Upper

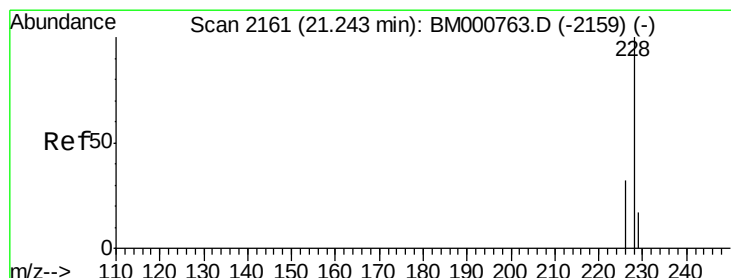
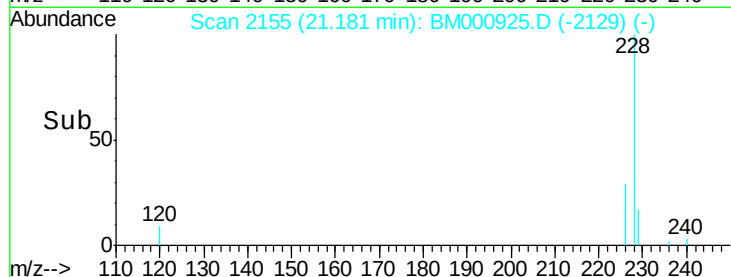
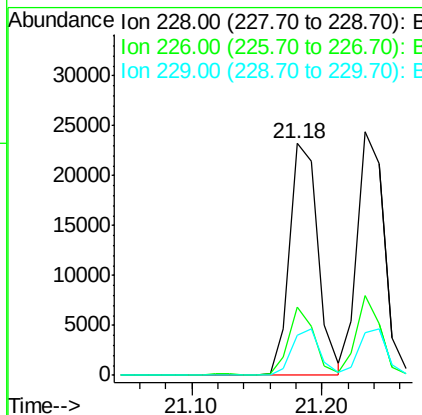
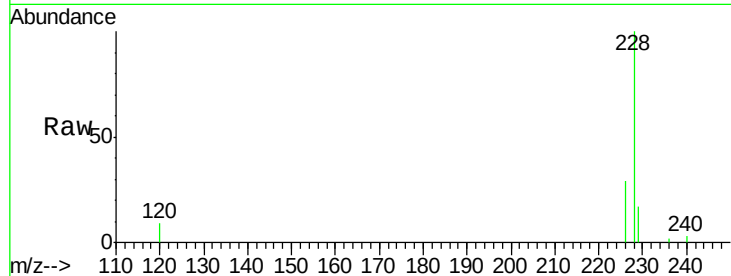
228 100

226 29.4 18.6 27.8#

229 17.1 17.2 25.8#

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#23

Chrysene

Concen: 0.98 ng

RT: 21.23 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

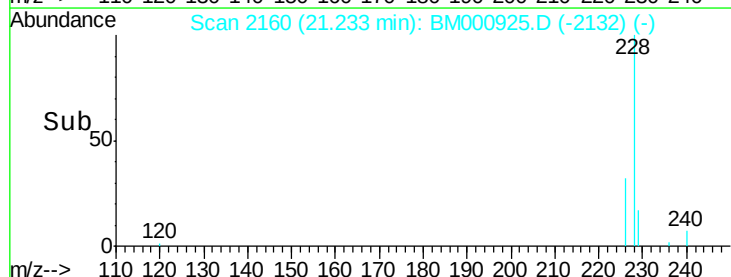
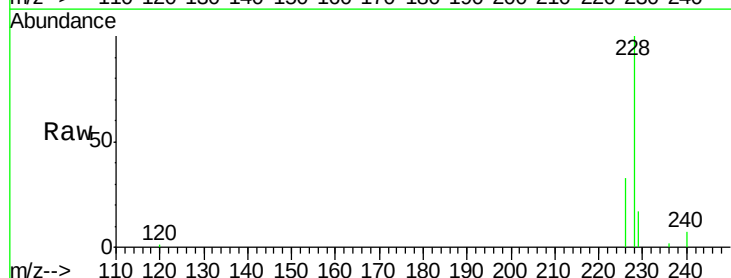
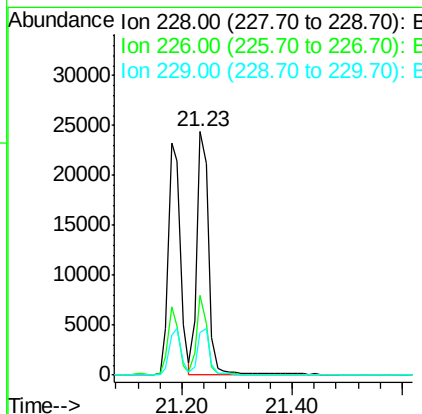
Tgt Ion: 228 Resp: 35536

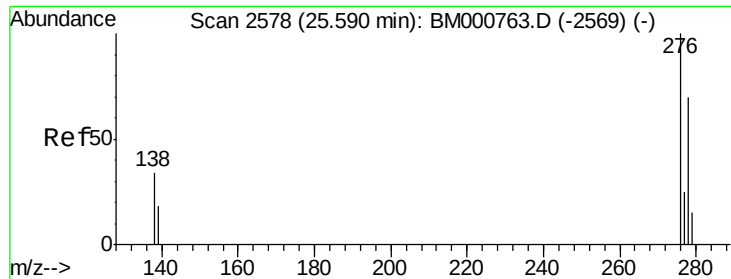
Ion Ratio Lower Upper

228 100

226 32.5 25.8 38.8

229 17.3 13.8 20.6





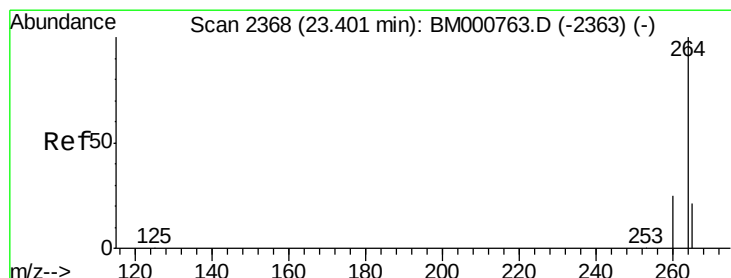
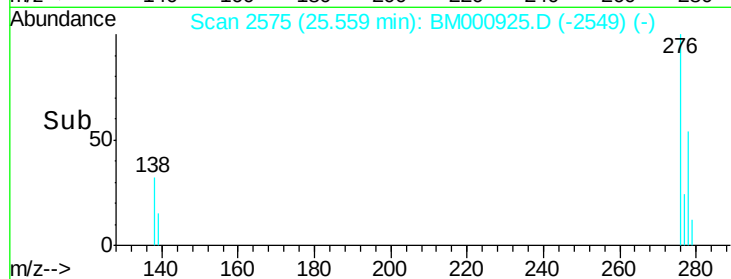
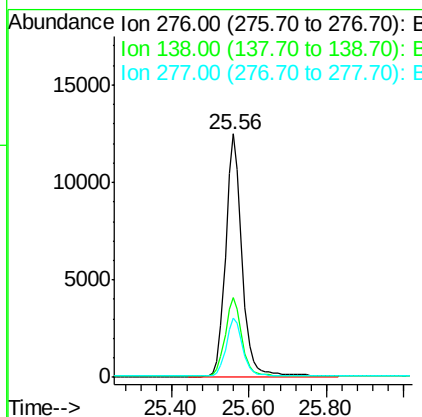
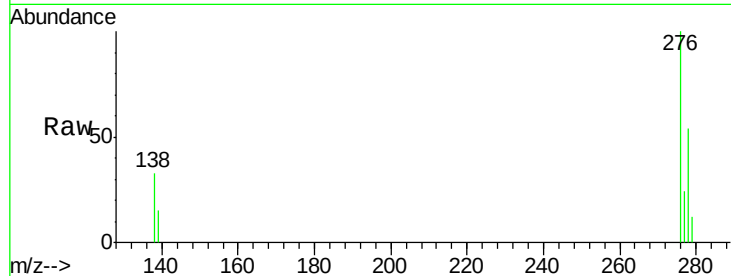
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.98 ng
 RT: 25.56 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	36664		
138	33.2	27.4	41.2	
277	24.6	19.7	29.5	

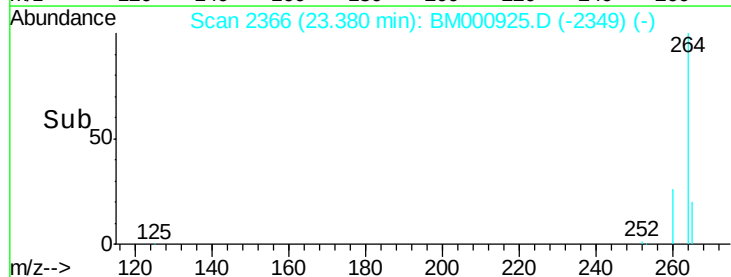
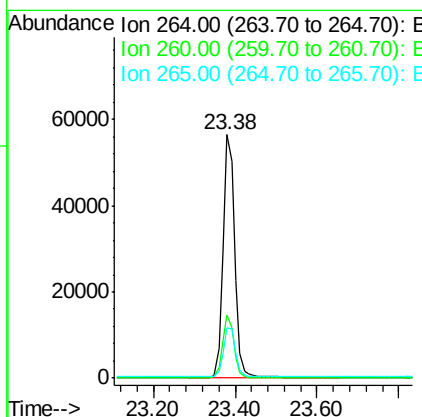
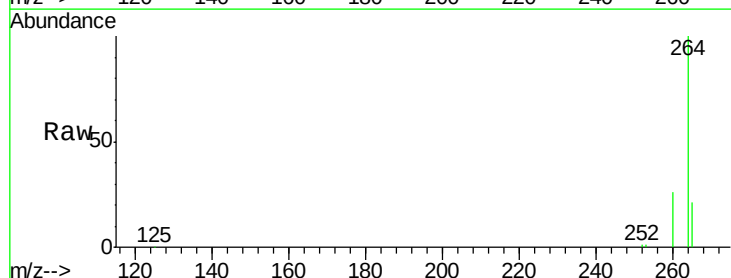
Manual Integrations
 APPROVED

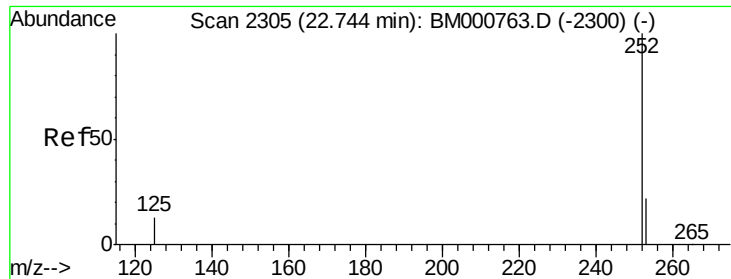
apatel
 4/9/2015 4:33:03 PM



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.38 min Scan# 2366
 Delta R.T. -0.02 min
 Lab File: BM000925.D
 Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	111404		
260	25.9	20.1	30.1	
265	20.5	17.4	26.0	





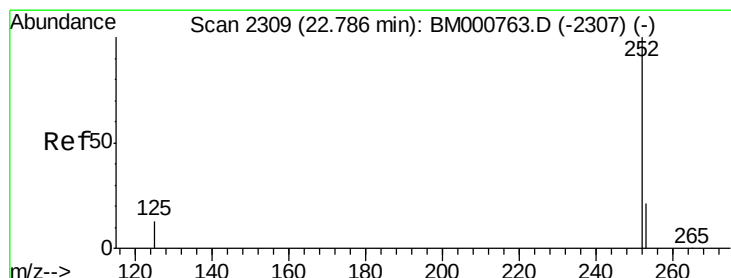
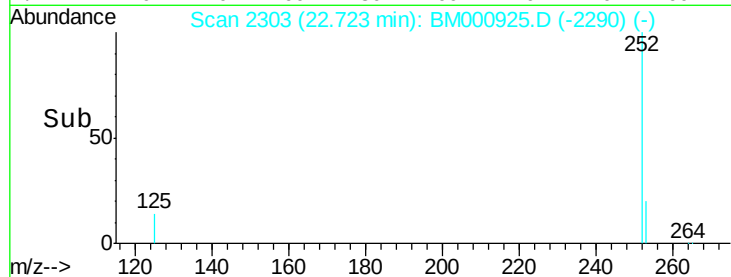
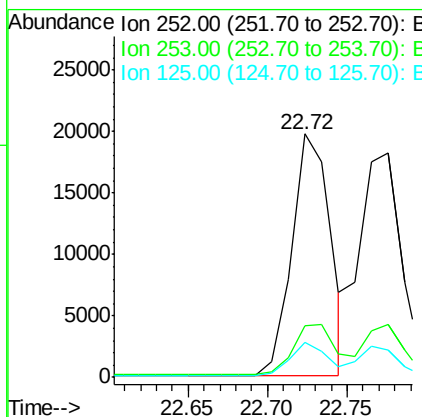
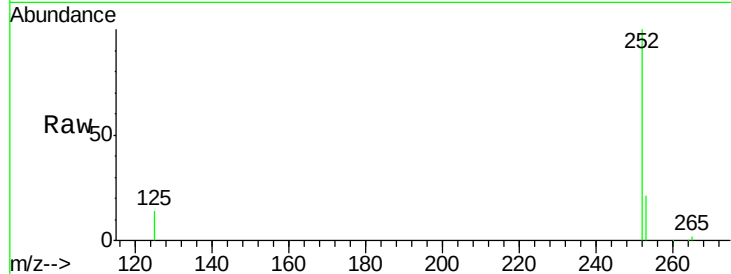
#26
Benzo(b)fluoranthene
Concen: 0.94 ng
RT: 22.72 min Scan# 2303
Delta R.T. -0.02 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.5	27.7
125	14.3	10.6	16.0

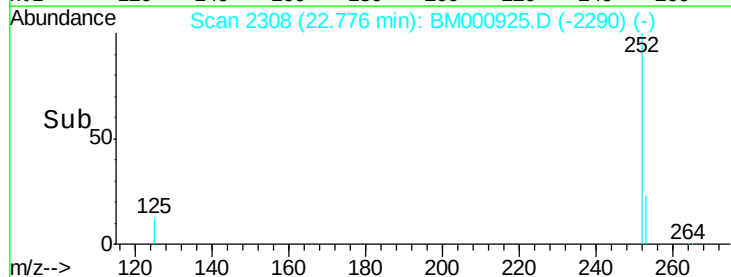
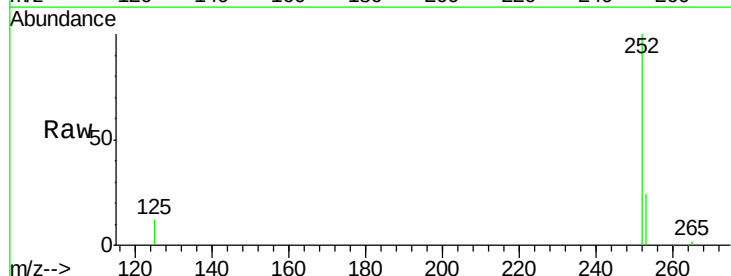
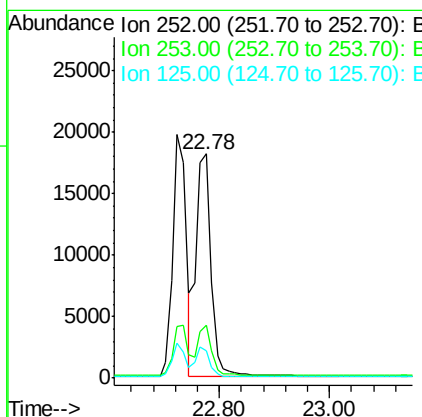
Manual Integrations
APPROVED

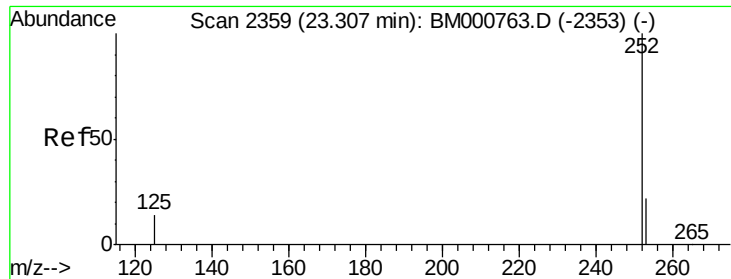
apatel
4/9/2015 4:33:03 PM



#27
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 22.78 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BM000925.D
Acq: 09 Apr 2015 13:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.2	10.8	16.2





#28

Benzo(a)pyrene

Concen: 0.99 ng

RT: 23.29 min Scan# 2357

Delta R.T. -0.02 min

Lab File: BM000925.D

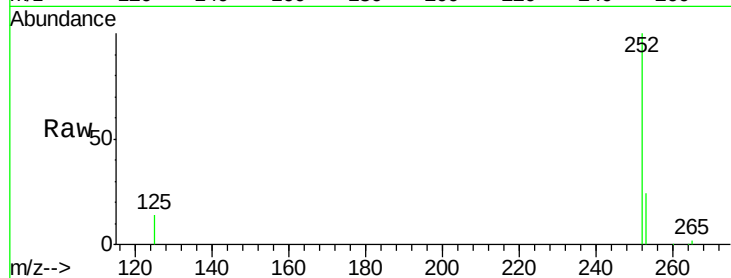
Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

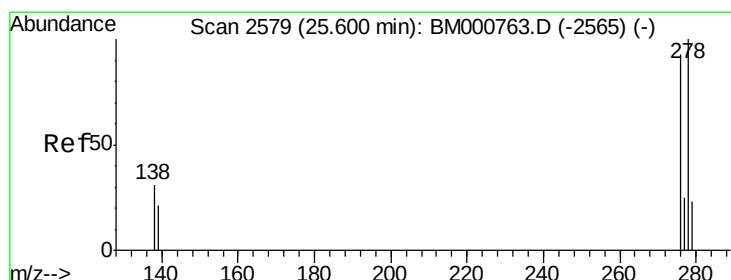
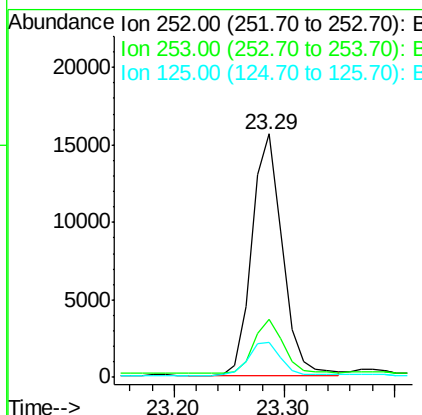
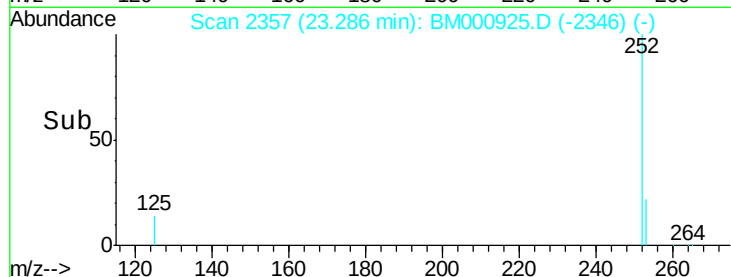
SSTDCCC001EC



Tgt Ion:	252	Resp:	29889
Ion Ratio	Lower	Upper	
252	100		
253	23.6	19.4	29.2
125	14.2	11.5	17.3

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM



#29

Dibenzo(a,h)anthracene

Concen: 0.95 ng

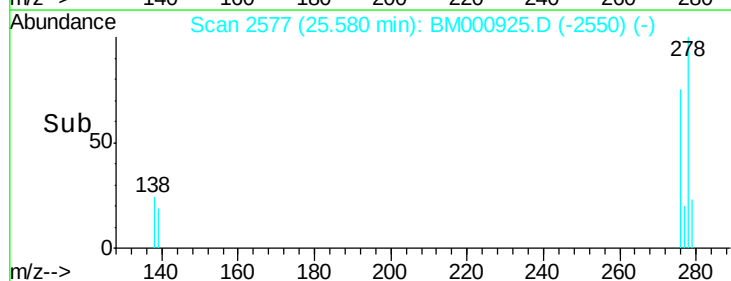
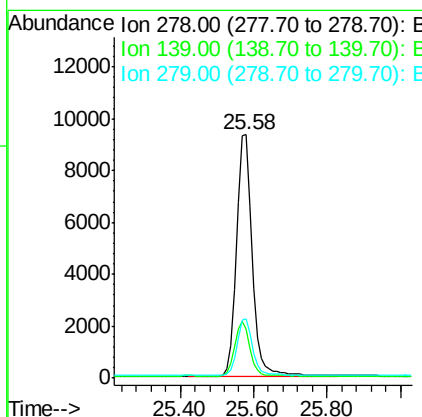
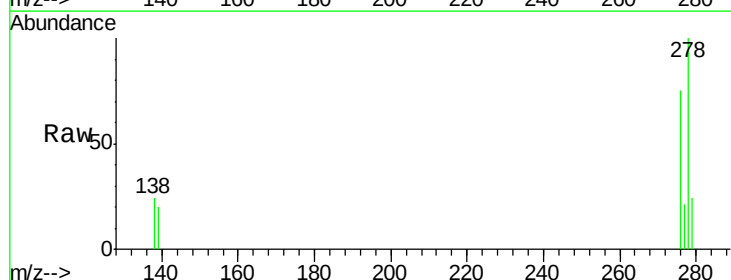
RT: 25.58 min Scan# 2577

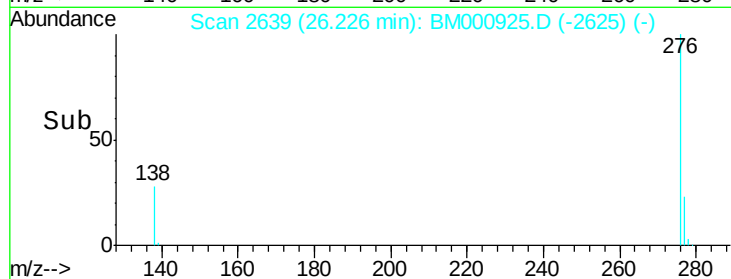
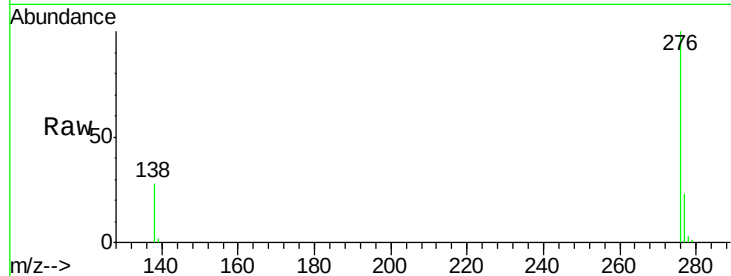
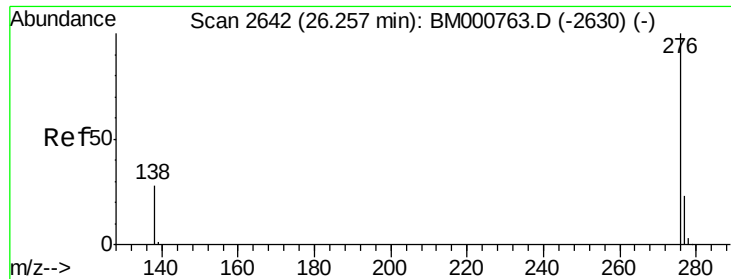
Delta R.T. -0.02 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Tgt Ion:	278	Resp:	28145
Ion Ratio	Lower	Upper	
278	100		
139	20.0	17.8	26.6
279	24.5	19.3	28.9





#30

Benzo(g,h,i)perylene

Concen: 0.97 ng

RT: 26.23 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BM000925.D

Acq: 09 Apr 2015 13:43

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion:	276	Resp:	31218
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.1	28.7
138	28.0	23.1	34.7

Manual Integrations
APPROVED

apatel
4/9/2015 4:33:03 PM

