

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002420.D
 Acq On : 15 Aug 2015 12:19
 Operator : UM/IZ
 Sample : G3219-15
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA6

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:45:23 PM

Quant Time: Aug 17 04:36:23 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	199182	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	900492	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	463807	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	918764	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	654782	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	563787	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	1132024	23.87	ng/ul	0.00
10) Fluorene-d10	16.42	176	749935	22.52	ng/ul	0.00
14) Anthracene-d10	18.25	188	1002532	22.62	ng/ul	0.00
18) Pyrene-d10	20.47	212	892443	30.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	577409	19.50	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.79	128	104194	2.27	ng/ul	98
4) 2-Methylnaphthalene	13.33	142	77036	2.24	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	34114	1.00	ng/ul	98
13) Phenanthrene	18.20	178	141896	2.67	ng/ul	99
16) Fluoranthene	20.14	202	293209	4.88	ng/ul	99
19) Pyrene	20.50	202	232849	6.07	ng/ul	99
20) Benzo(a)anthracene	22.22	228	152646	3.90	ng/ul#	95
21) Chrysene	22.27	228	177321	4.84	ng/ul#	94
23) Benzo(b)fluoranthene	24.07	252	186525	5.47	ng/ul#	86
24) Benzo(k)fluoranthene	24.11	252	59063m	1.83	ng/ul	
26) Benzo(a)pyrene	24.78	252	109681	3.37	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	27.71	276	82901	2.21	ng/ul	96
29) Benzo(g,h,i)perylene	28.59	276	81229	2.61	ng/ul	92

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

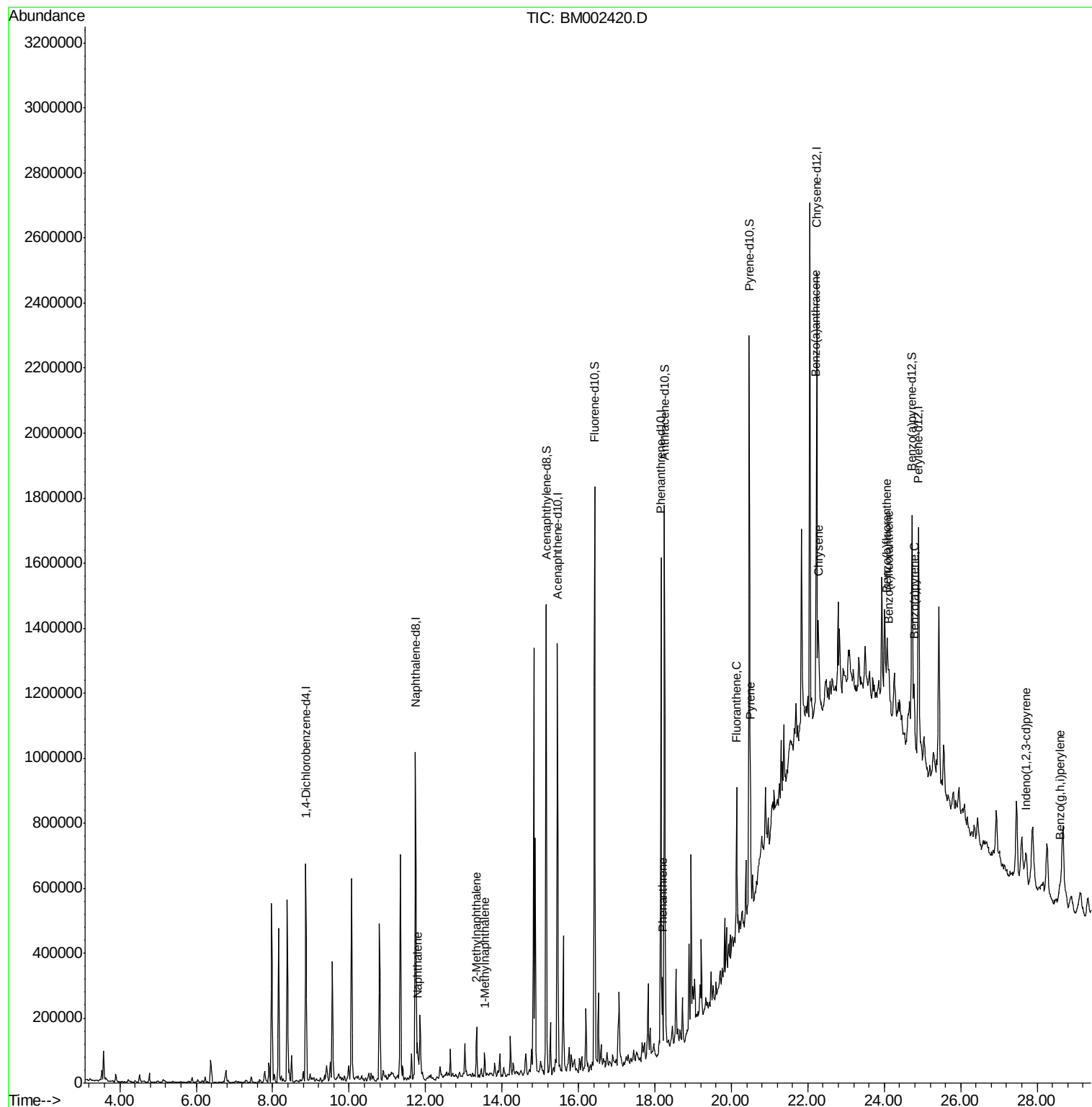
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

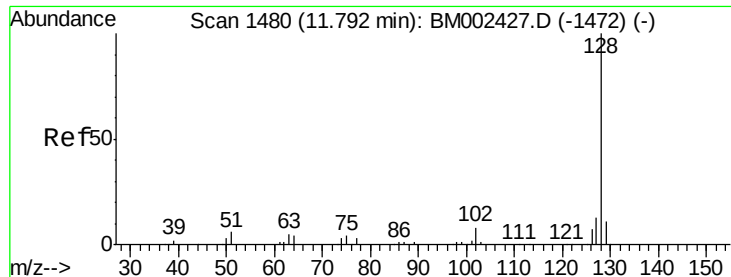
Instrument :
BNA_M
ClientSampleId :
D9DA6

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM

Quant Time: Aug 17 04:36:23 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 2.27 ng/ul

RT: 11.79 min Scan# 1480

Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

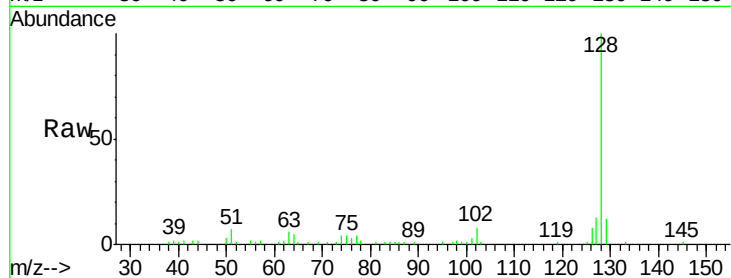
ClientSampleId :

D9DA6

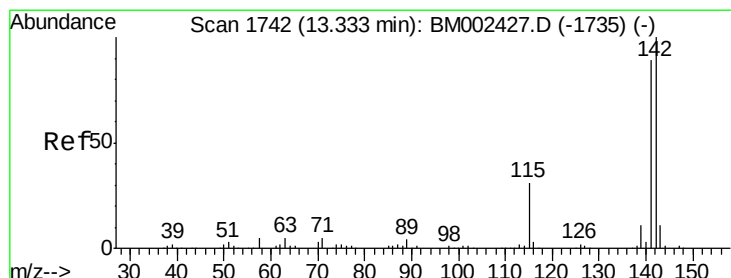
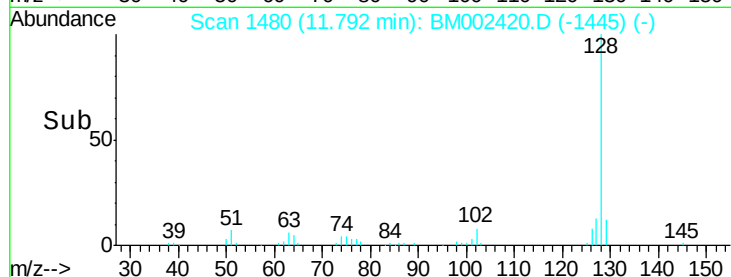
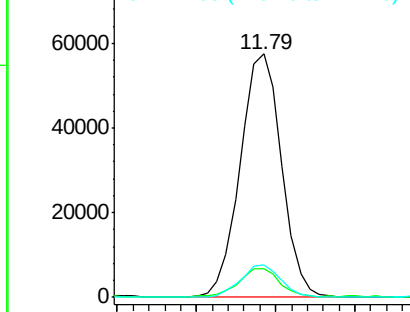
Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM

Tgt Ion:	128	Resp:	104194
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.6	12.8
127	13.1	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 2.24 ng/ul

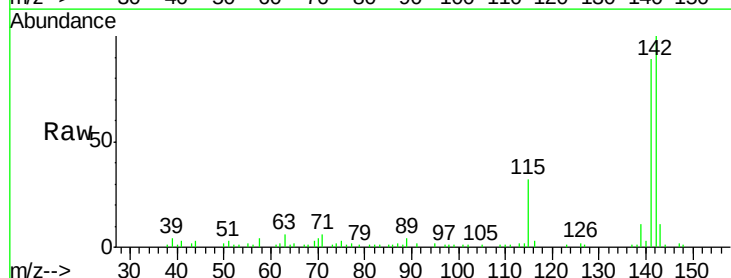
RT: 13.33 min Scan# 1742

Delta R.T. 0.01 min

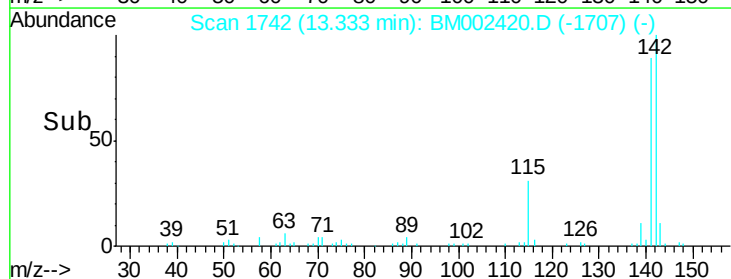
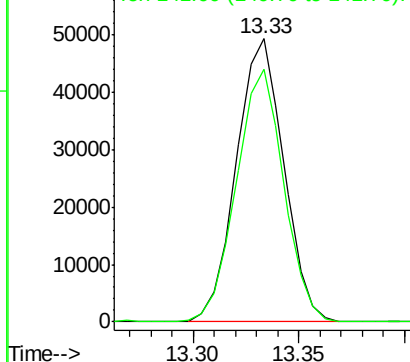
Lab File: BM002420.D

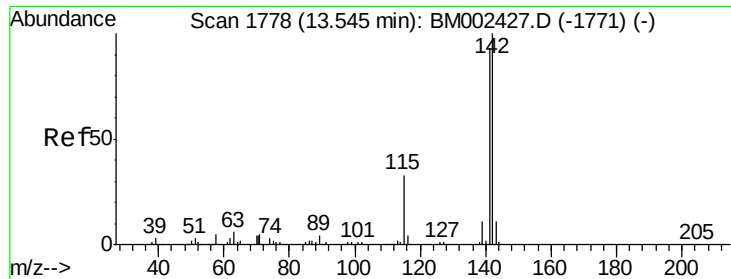
Acq: 15 Aug 2015 12:19

Tgt Ion:	142	Resp:	77036
Ion Ratio	Lower	Upper	
142	100		
141	89.1	72.2	108.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.00 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002420.D

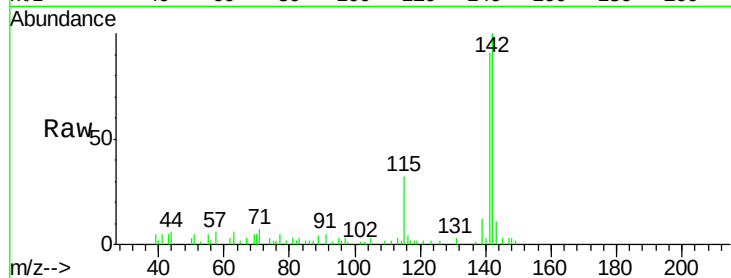
Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

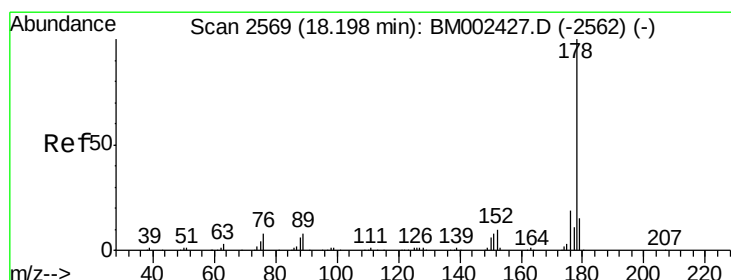
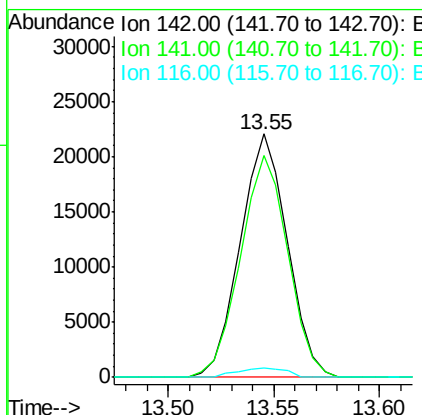
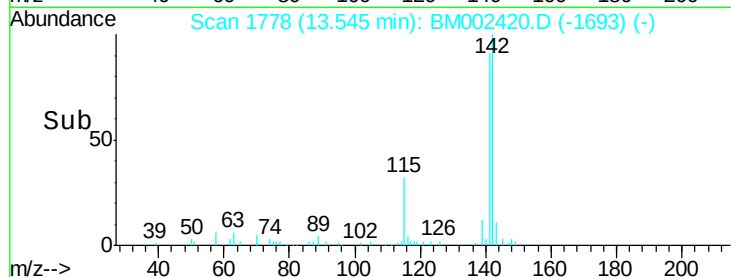
D9DA6



Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.9	110.9
116	3.6	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM



#13

Phenanthrene

Concen: 2.67 ng/ul

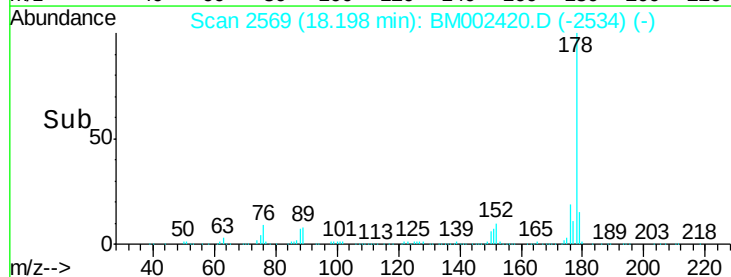
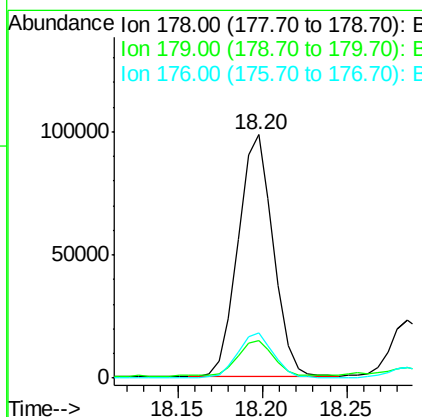
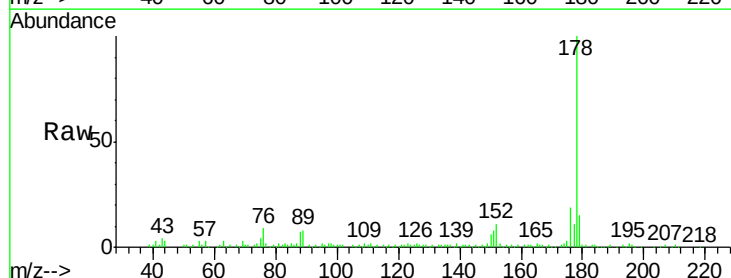
RT: 18.20 min Scan# 2569

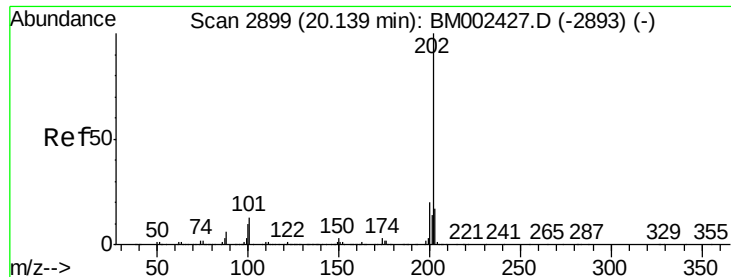
Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.5	15.1	22.7





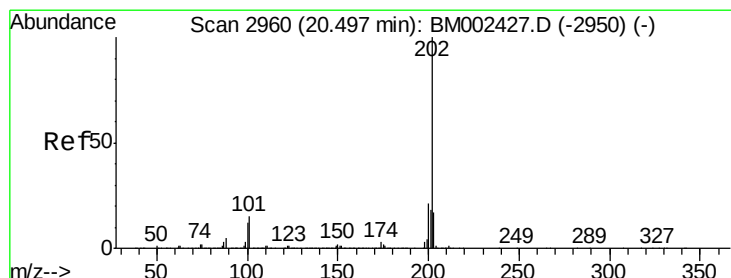
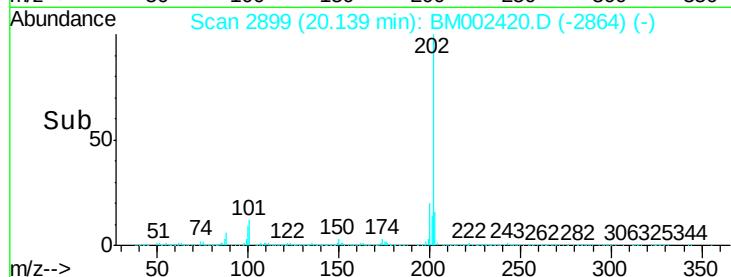
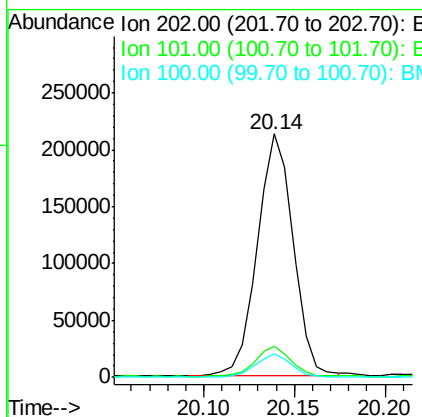
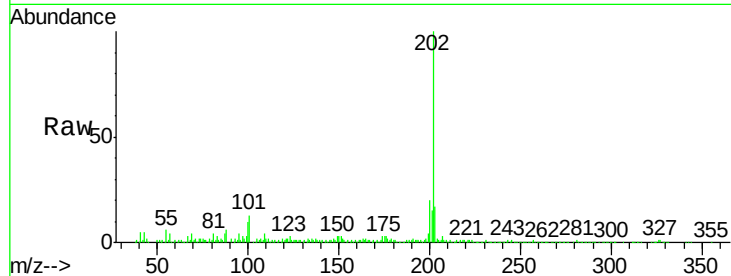
#16
Fluoranthene
Concen: 4.88 ng/ul
RT: 20.14 min Scan# 2899
Delta R.T. 0.01 min
Lab File: BM002420.D
Acq: 15 Aug 2015 12:19

Instrument :
BNA_M
ClientSampleId :
D9DA6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	9.7	14.5
100	9.5	7.4	11.2

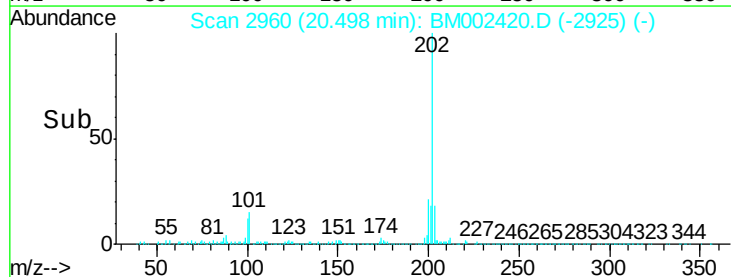
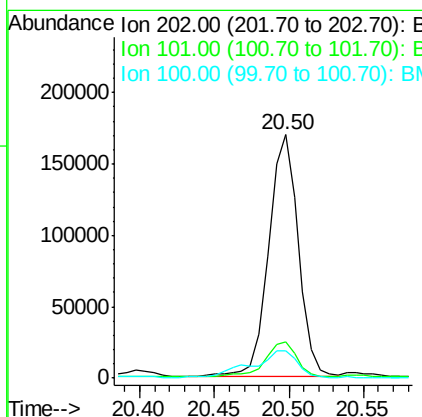
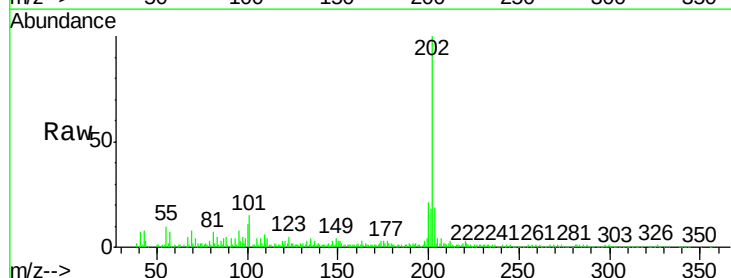
Manual Integrations
APPROVED

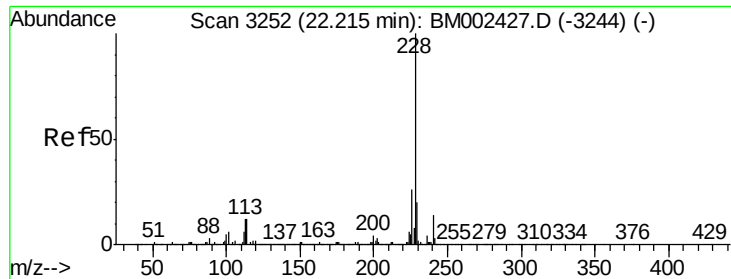
MMDadoda
8/17/2015 2:45:23 PM



#19
Pyrene
Concen: 6.07 ng/ul
RT: 20.50 min Scan# 2960
Delta R.T. 0.01 min
Lab File: BM002420.D
Acq: 15 Aug 2015 12:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.7	12.0	18.0
100	11.5	9.7	14.5





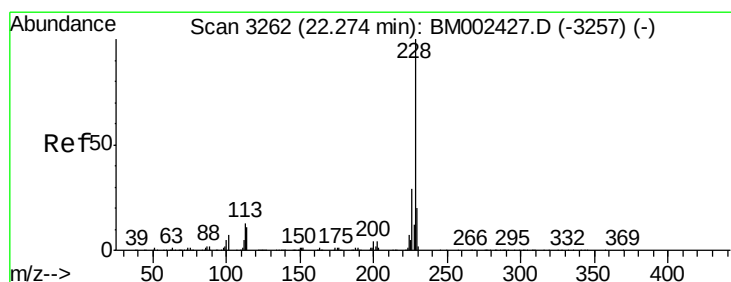
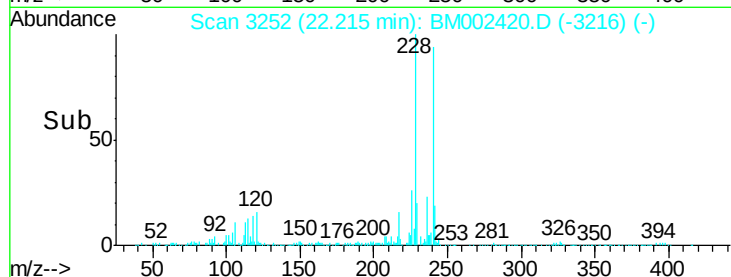
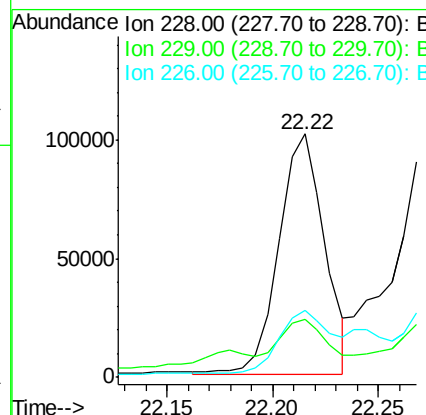
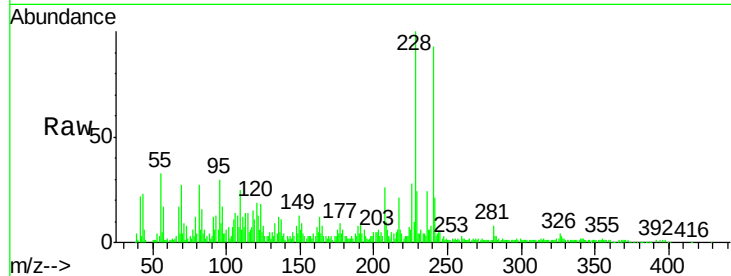
#20
Benzo(a)anthracene
Concen: 3.90 ng/ul
RT: 22.22 min Scan# 3252
Delta R.T. 0.01 min
Lab File: BM002420.D
Acq: 15 Aug 2015 12:19

Instrument :
BNA_M
ClientSampleId :
D9DA6

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	152646		
229	23.7	15.8	23.6#	
226	27.7	21.1	31.7	

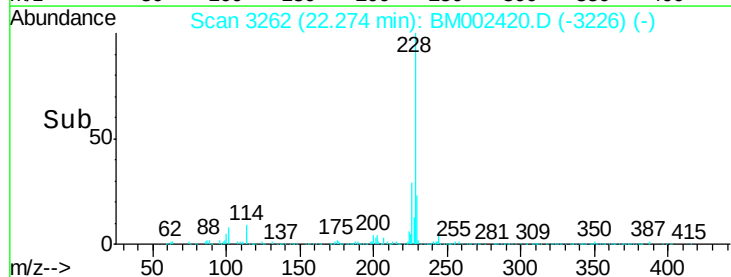
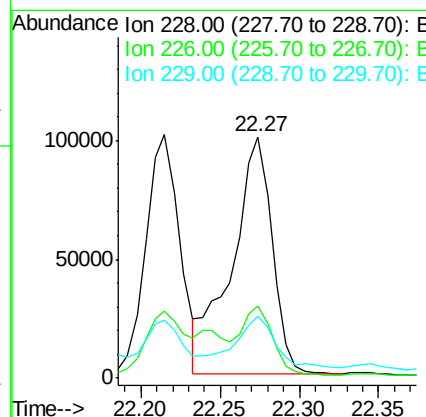
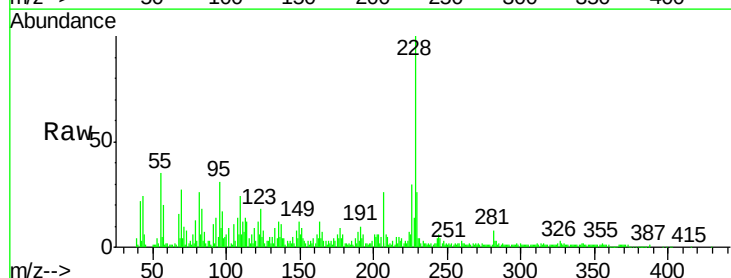
Manual Integrations
APPROVED

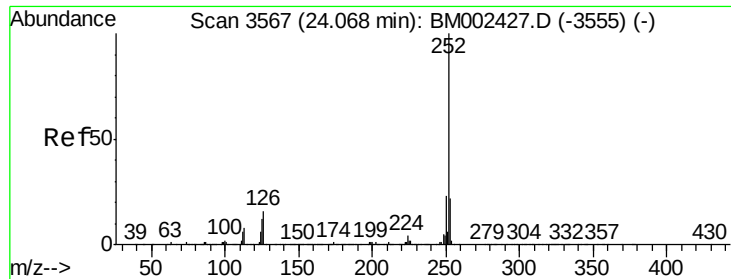
MMDadoda
8/17/2015 2:45:23 PM



#21
Chrysene
Concen: 4.84 ng/ul
RT: 22.27 min Scan# 3262
Delta R.T. 0.01 min
Lab File: BM002420.D
Acq: 15 Aug 2015 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	177321		
226	29.9	23.4	35.2	
229	25.9	15.7	23.5#	





#23

Benzo(b)fluoranthene

Concen: 5.47 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.02 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

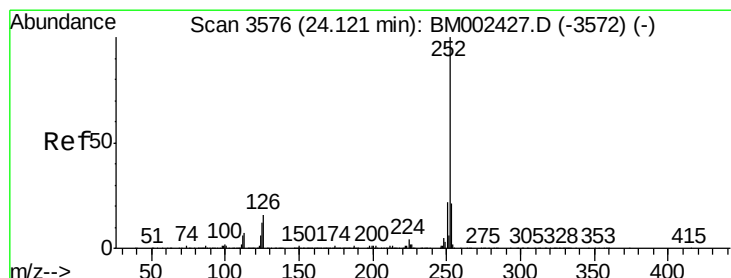
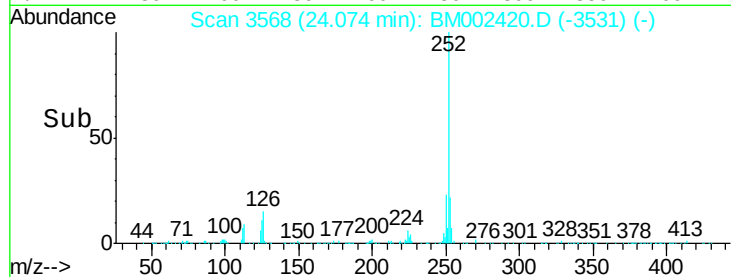
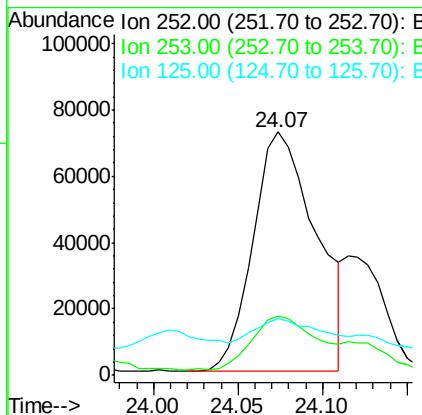
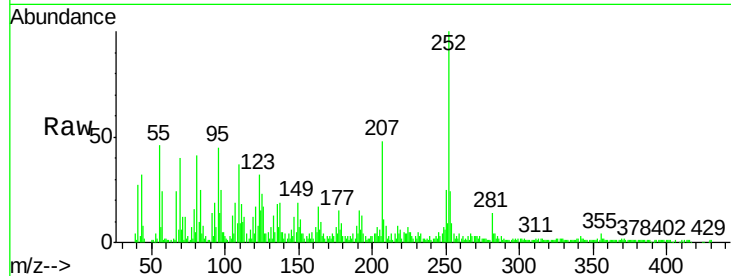
ClientSampled :

D9DA6

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	186525		
253	24.4	17.4	26.0	
125	23.4	10.0	15.0#	

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM



#24

Benzo(k)fluoranthene

Concen: 1.83 ng/ul m

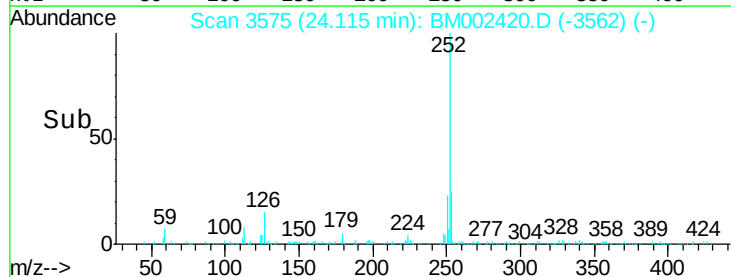
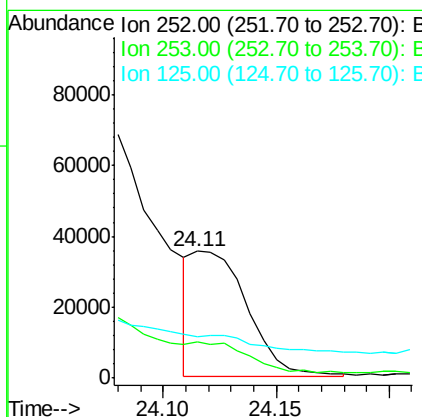
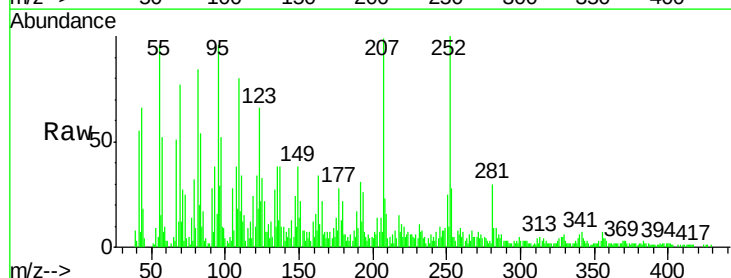
RT: 24.11 min Scan# 3575

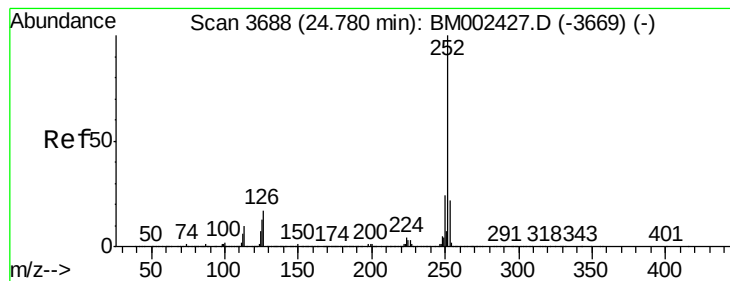
Delta R.T. 0.01 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	59063		
253	28.1	17.8	26.6#	
125	32.9	9.8	14.8#	





#26

Benzo(a)pyrene

Concen: 3.37 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.02 min

Lab File: BM002420.D

Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

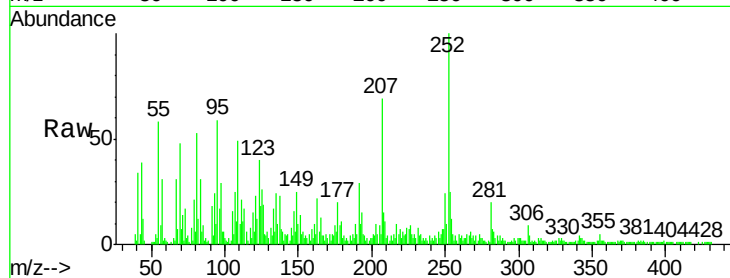
ClientSampleId :

D9DA6

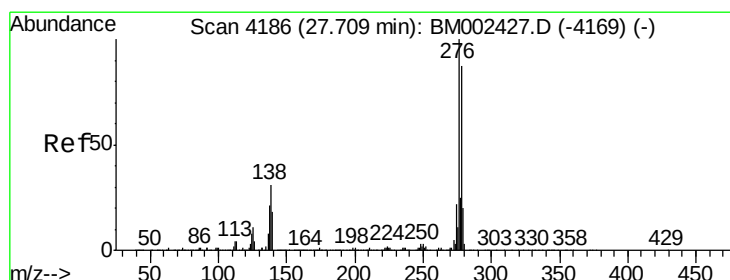
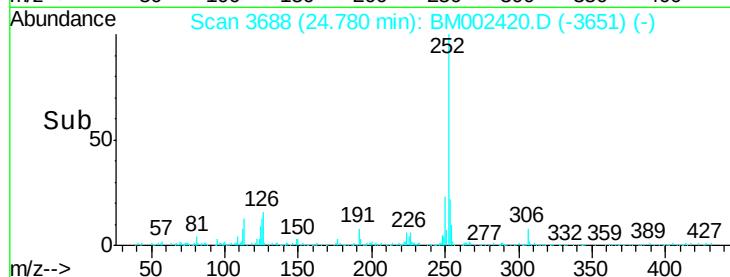
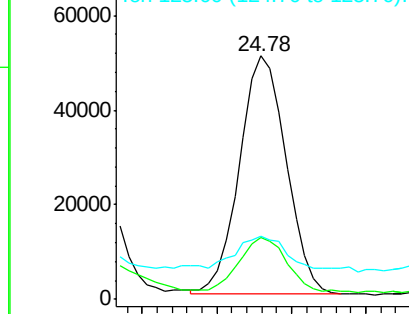
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	109681		
253	25.3	17.6	26.4	
125	25.8	10.7	16.1	

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#27

Indeno(1,2,3-cd)pyrene

Concen: 2.21 ng/ul

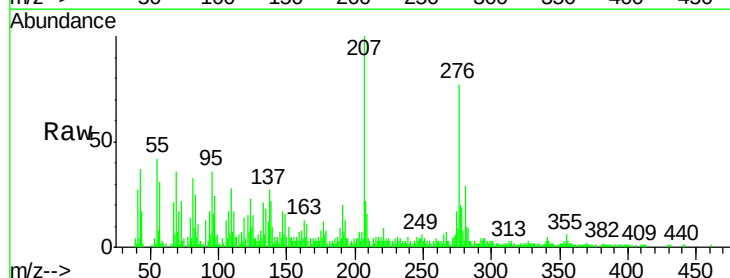
RT: 27.71 min Scan# 4187

Delta R.T. 0.03 min

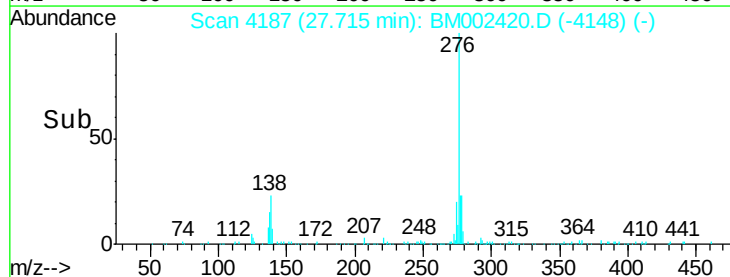
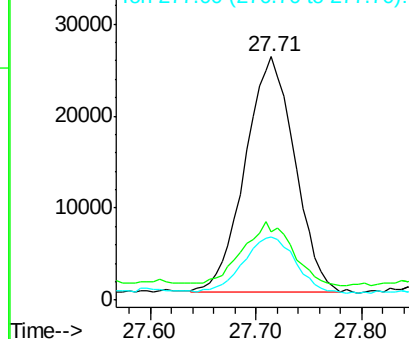
Lab File: BM002420.D

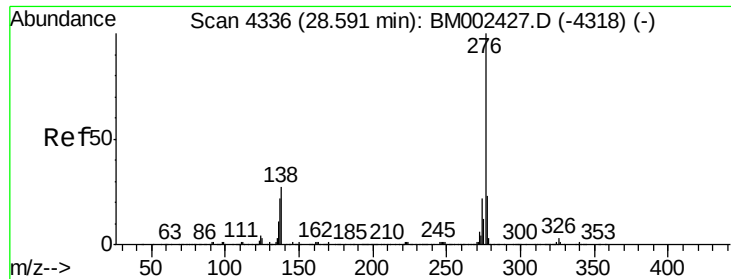
Acq: 15 Aug 2015 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	82901		
138	28.3	25.3	37.9	
277	26.0	20.2	30.2	



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#29

Benzo(g,h,i)perylene

Concen: 2.61 ng/ul

RT: 28.59 min Scan# 4336

Delta R.T. 0.03 min

Lab File: BM002420.D

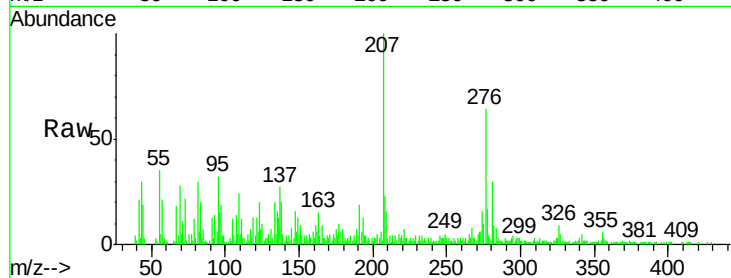
Acq: 15 Aug 2015 12:19

Instrument :

BNA_M

ClientSampleId :

D9DA6



Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	21.0	31.6
277	26.6	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:23 PM

