

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002633.D
 Acq On : 01 Sep 2015 17:56
 Operator : UM/IZ
 Sample : G3456-21
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6

Manual Integrations
 APPROVED

MMDadoda
 9/2/2015 1:36:10 PM

Quant Time: Sep 01 18:38:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 07:11:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	115206	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	509931	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	262906	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.09	188	443739	20.00	ng/ul	0.00
17) Chrysene-d12	22.18	240	331105	20.00	ng/ul	0.02
22) Perylene-d12	24.81	264	420159m	20.00	ng/ul	0.03
System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	423917	15.77	ng/ul	0.00
10) Fluorene-d10	16.34	176	277850	14.72	ng/ul	0.00
14) Anthracene-d10	18.19	188	346933	16.21	ng/ul	0.01
18) Pyrene-d10	20.41	212	285811	19.47	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.64	264	309208m	14.01	ng/ul	0.03
Target Compounds						
3) Naphthalene	11.70	128	2156192	82.85	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.25	142	555718	28.50	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	293055	15.20	ng/ul	99
8) Acenaphthylene	15.10	152	80275	2.85	ng/ul	98
9) Acenaphthene	15.44	153	2341962	126.37	ng/ul	99
11) Fluorene	16.40	166	2199949	103.60	ng/ul	99
13) Phenanthrene	18.15	178	11995459	468.14	ng/ul	94
15) Anthracene	18.23	178	4057634	156.25	ng/ul	99
16) Fluoranthene	20.10	202	11520781	397.13	ng/ul#	91
19) Pyrene	20.46	202	9897165	510.24	ng/ul#	91
20) Benzo(a)anthracene	22.16	228	5778538	291.84	ng/ul	96
21) Chrysene	22.23	228	5207837	281.21	ng/ul	95
23) Benzo(b)fluoranthene	24.02	252	7239422m	285.01	ng/ul	
24) Benzo(k)fluoranthene	24.06	252	2810095m	116.74	ng/ul	
26) Benzo(a)pyrene	24.72	252	5082794m	209.50	ng/ul	
27) Indeno(1,2,3-cd)pyrene	27.63	276	3621940m	129.81	ng/ul	
28) Dibenzo(a,h)anthracene	27.61	278	1046080m	44.85	ng/ul	
29) Benzo(g,h,i)perylene	28.50	276	2919346m	125.70	ng/ul	

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

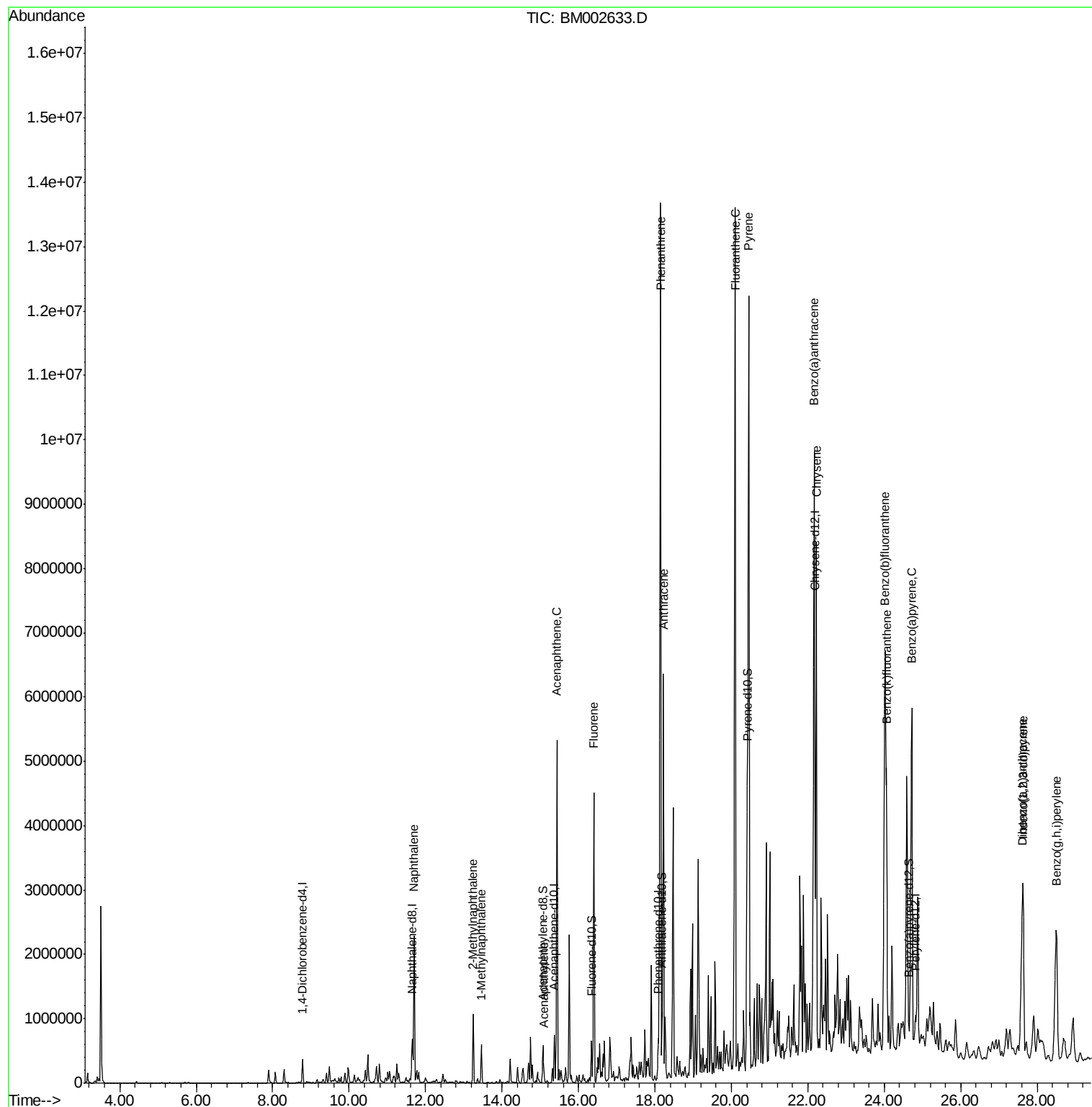
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
Data File : BM002633.D
Acq On : 01 Sep 2015 17:56
Operator : UM/IZ
Sample : G3456-21
Misc :
ALS Vial : 45 Sample Multiplier: 1

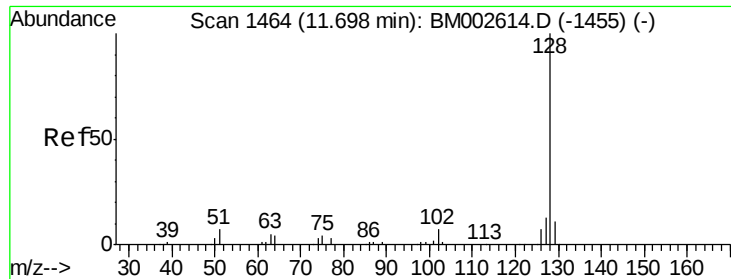
Instrument :
BNA_M
ClientSampleId :
D9EA6

Manual Integrations
APPROVED

MMDadoda
9/2/2015 1:36:10 PM

Quant Time: Sep 01 18:38:18 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 01 07:11:38 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 82.85 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6

Tgt Ion:128 Resp: 2156192

Ion Ratio Lower Upper

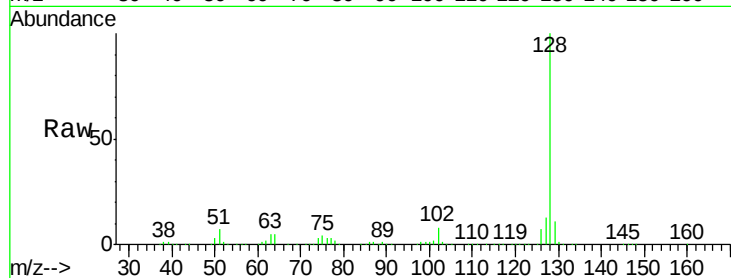
128 100

129 11.1 8.6 12.8

127 13.0 10.4 15.6

Manual Integrations
APPROVED

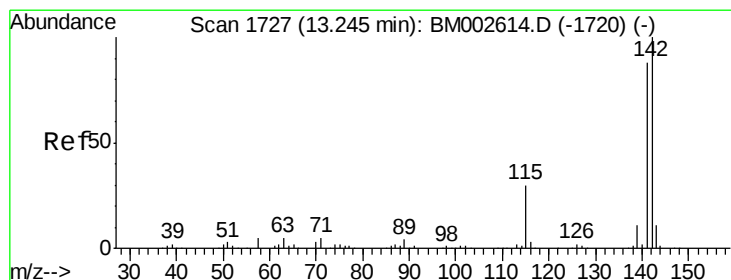
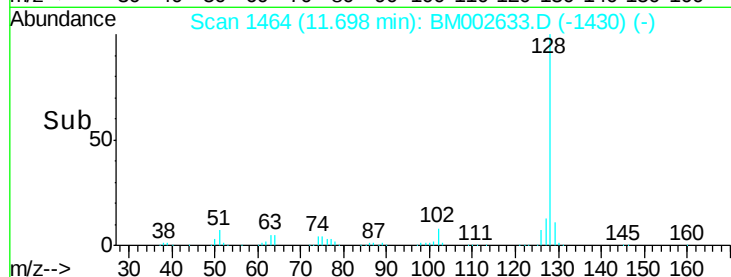
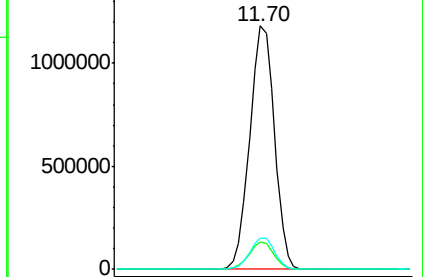
MMDadoda
9/2/2015 1:36:10 PM



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: 28.50 ng/ul

RT: 13.25 min Scan# 1728

Delta R.T. 0.01 min

Lab File: BM002633.D

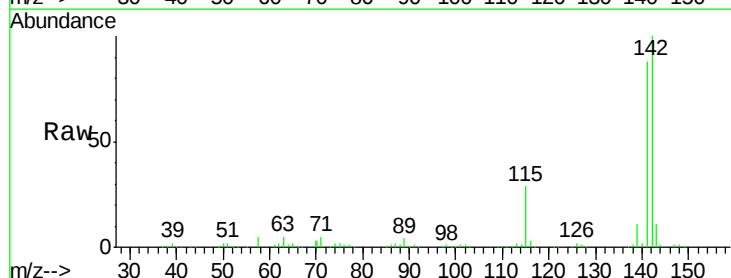
Acq: 01 Sep 2015 17:56

Tgt Ion:142 Resp: 555718

Ion Ratio Lower Upper

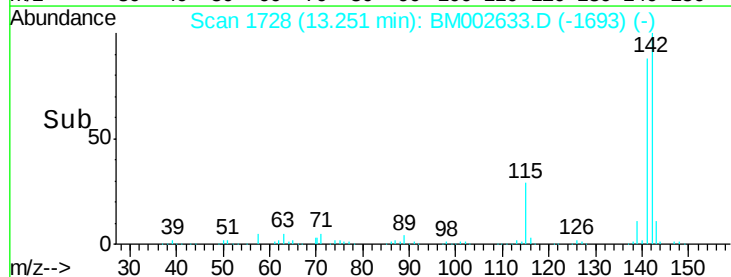
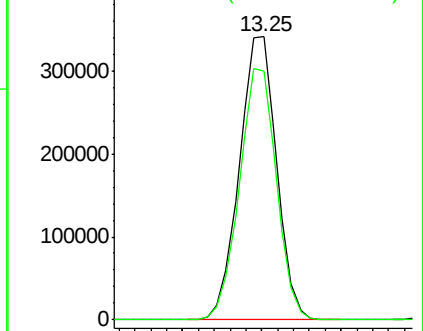
142 100

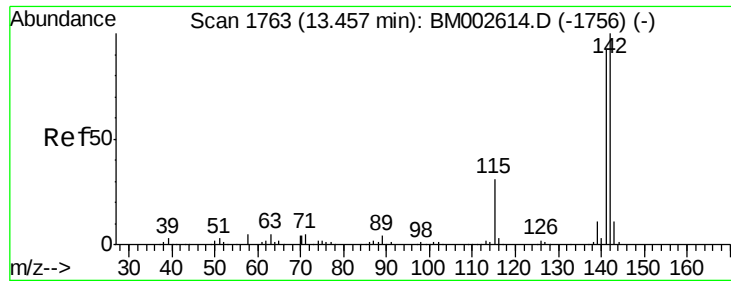
141 87.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 15.20 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BM002633.D

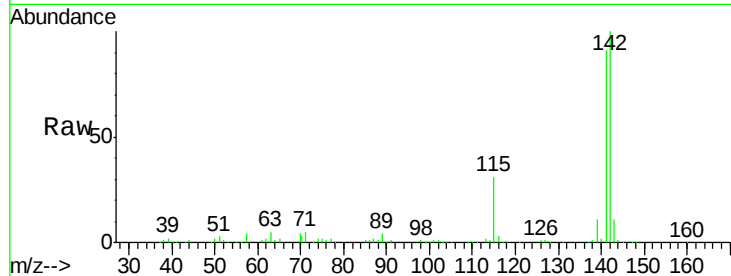
Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

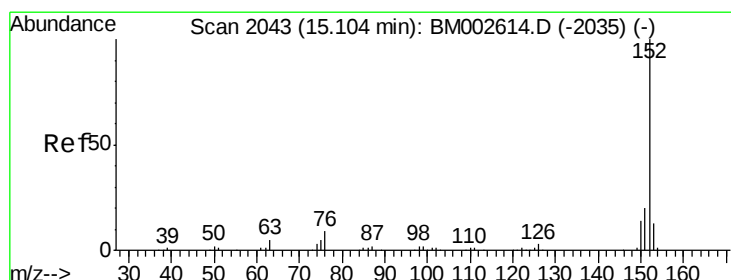
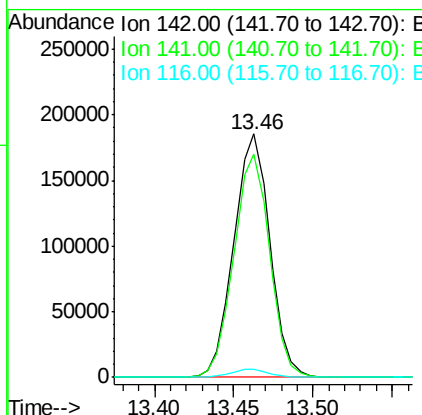
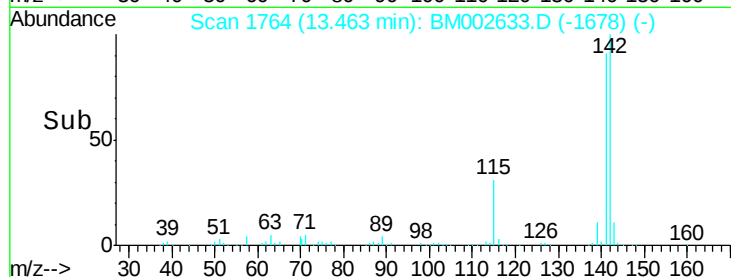
D9EA6



Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	3.3	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
9/2/2015 1:36:10 PM



#8

Acenaphthylene

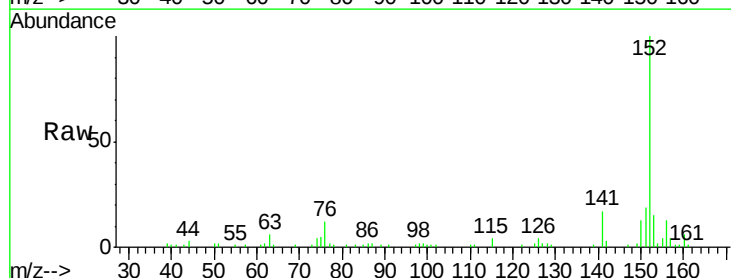
Concen: 2.85 ng/ul

RT: 15.10 min Scan# 2043

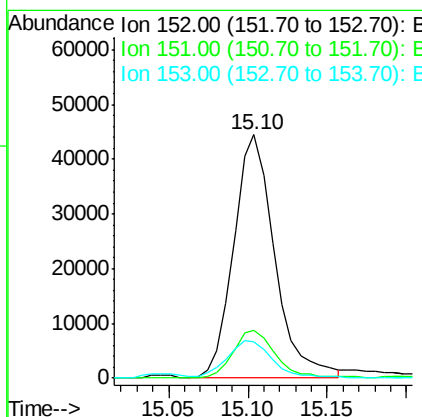
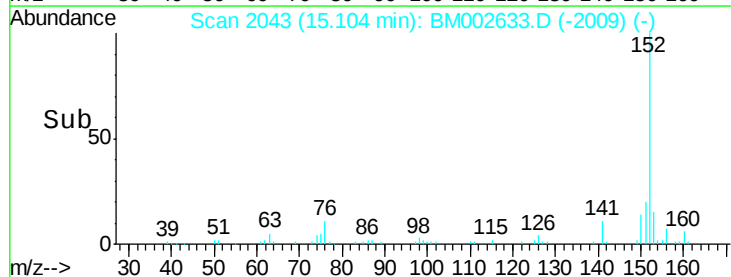
Delta R.T. 0.00 min

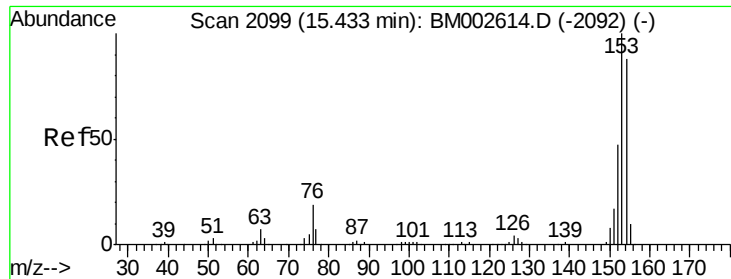
Lab File: BM002633.D

Acq: 01 Sep 2015 17:56



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	14.7	10.2	15.4





#9

Acenaphthene

Concen: 126.37 ng/ul

RT: 15.44 min Scan# 2100

Delta R.T. 0.01 min

Lab File: BM002633.D

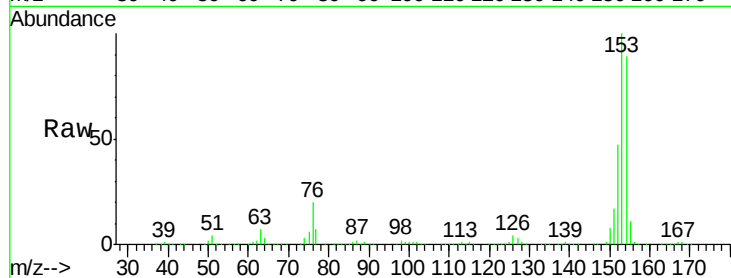
Acq: 01 Sep 2015 17:56

Instrument :

BNA_M

ClientSampleId :

D9EA6



Tgt Ion:153 Resp: 2341962

Ion Ratio Lower Upper

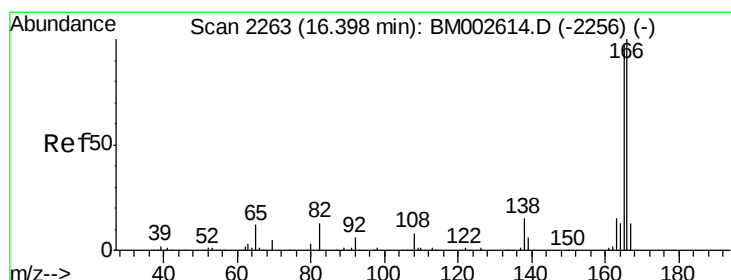
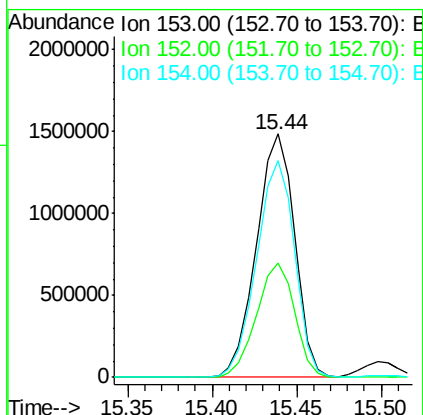
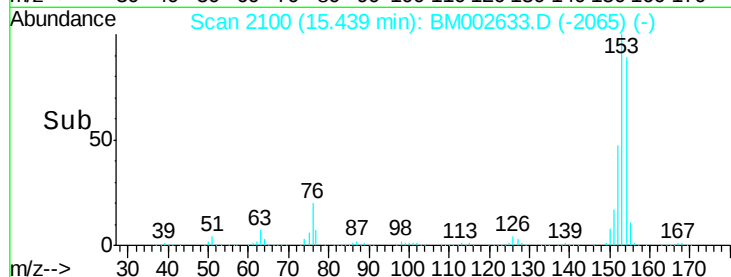
153 100

152 47.0 36.9 55.3

154 88.8 71.3 106.9

Manual Integrations
APPROVED

MMDadoda
9/2/2015 1:36:10 PM



#11

Fluorene

Concen: 103.60 ng/ul

RT: 16.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BM002633.D

Acq: 01 Sep 2015 17:56

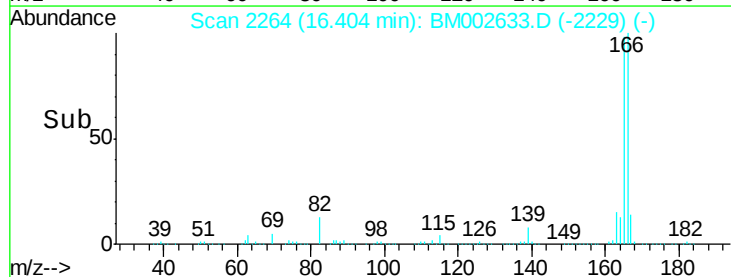
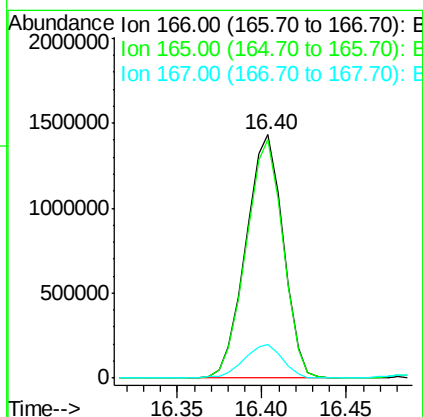
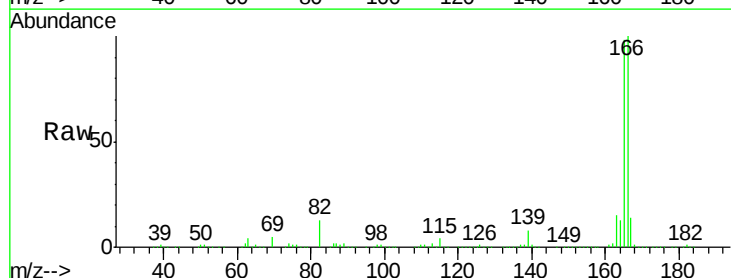
Tgt Ion:166 Resp: 2199949

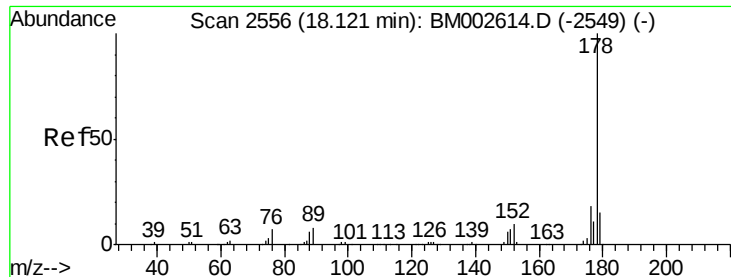
Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

167 13.8 10.7 16.1





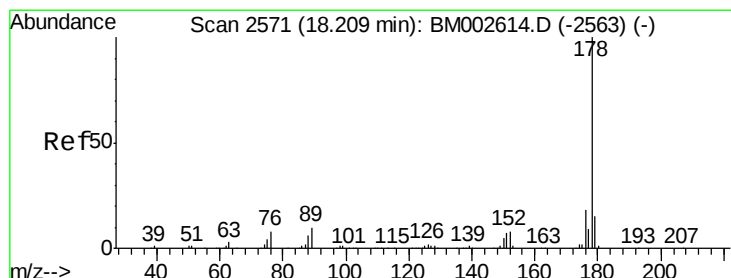
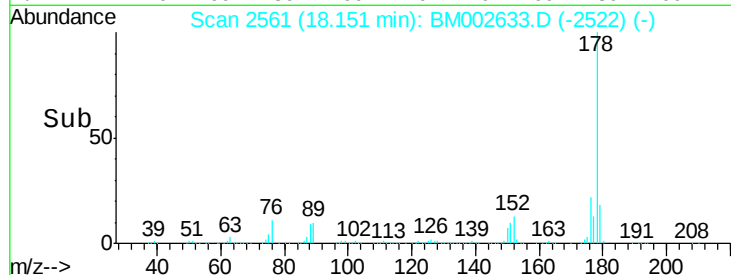
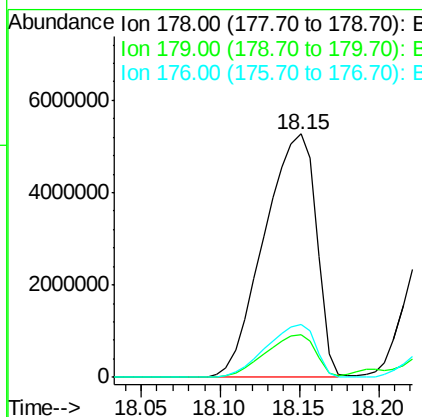
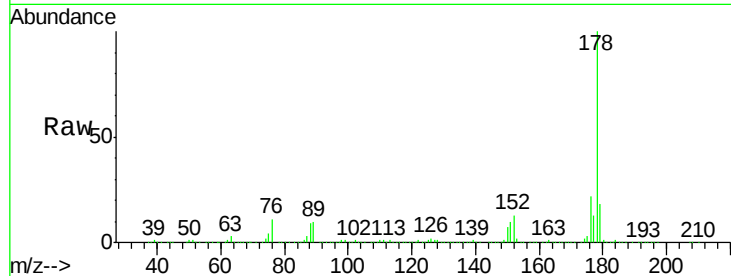
#13
Phenanthrene
Concen: 468.14 ng/ul
RT: 18.15 min Scan# 2561
Delta R.T. 0.03 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Instrument :
BNA_M
ClientSampleId :
D9EA6

Tgt Ion:178 Resp:11995459
Ion Ratio Lower Upper
178 100
179 17.5 12.4 18.6
176 21.9 15.1 22.7

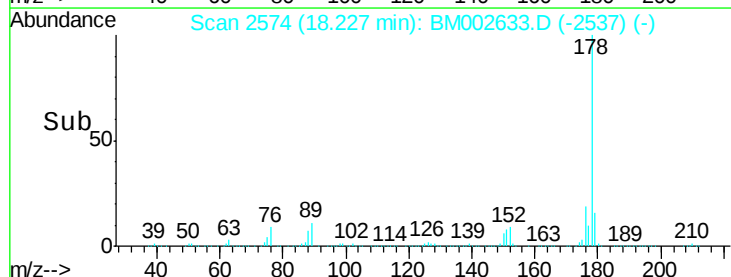
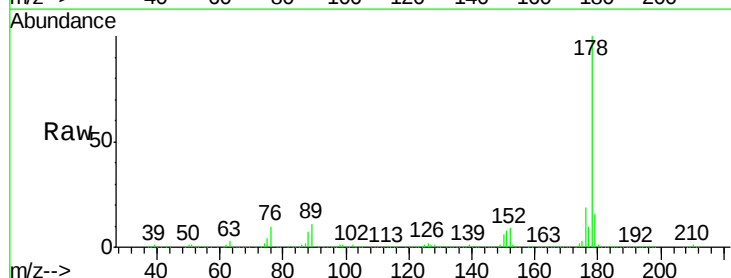
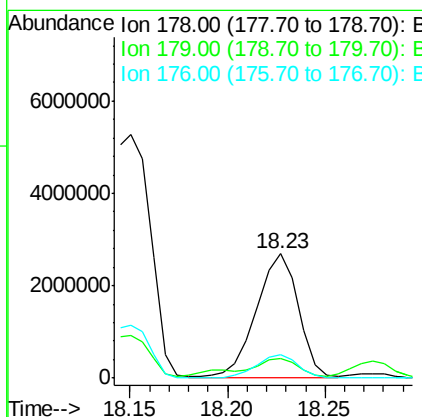
Manual Integrations
APPROVED

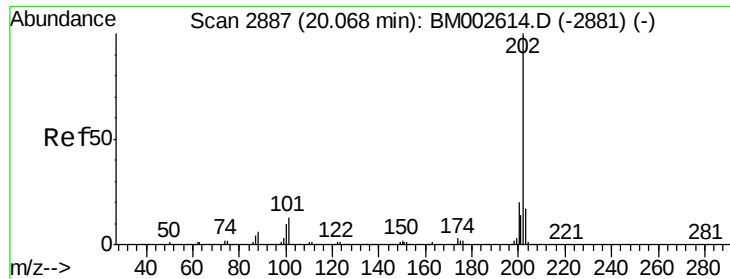
MMDadoda
9/2/2015 1:36:10 PM



#15
Anthracene
Concen: 156.25 ng/ul
RT: 18.23 min Scan# 2574
Delta R.T. 0.02 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion:178 Resp: 4057634
Ion Ratio Lower Upper
178 100
179 16.1 12.6 18.8
176 18.9 14.5 21.7





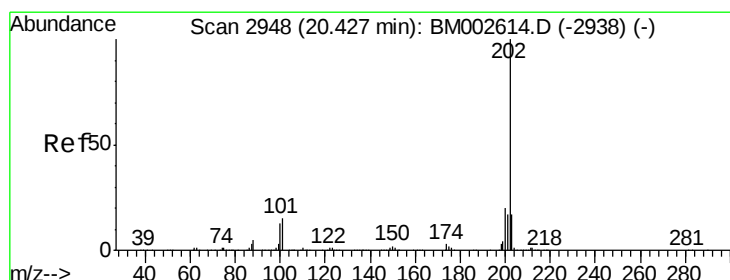
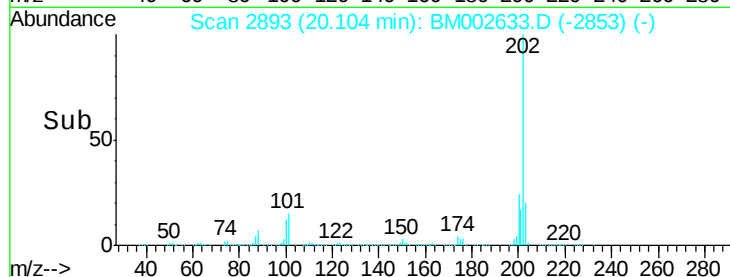
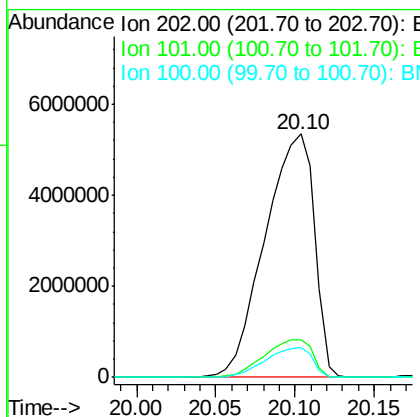
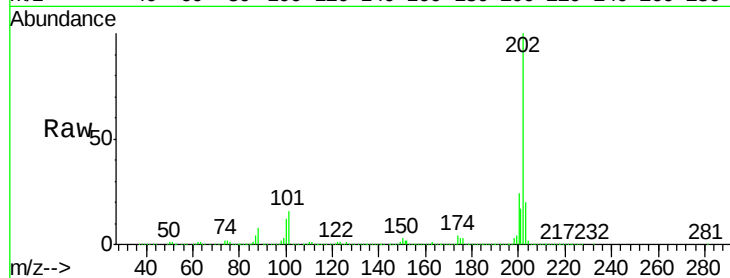
#16
 Fluoranthene
 Concen: 397.13 ng/ul
 RT: 20.10 min Scan# 2893
 Delta R.T. 0.04 min
 Lab File: BM002633.D
 Acq: 01 Sep 2015 17:56

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6

Tgt Ion:202 Resp:11520781
 Ion Ratio Lower Upper
 202 100
 101 15.6 9.7 14.5#
 100 12.1 7.4 11.2#

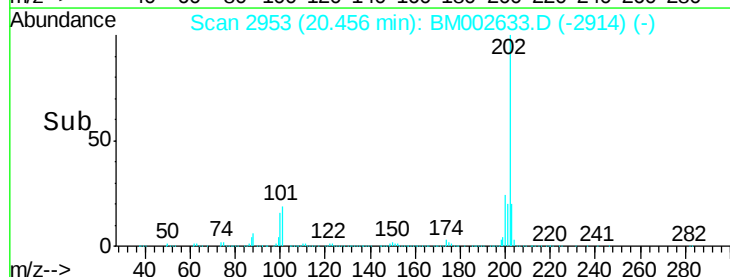
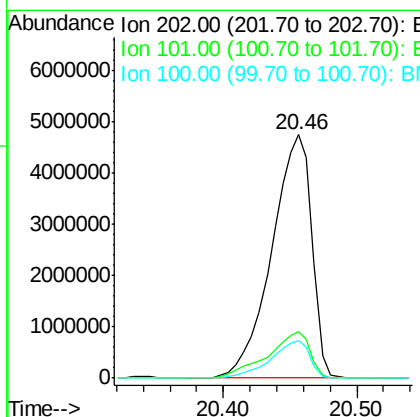
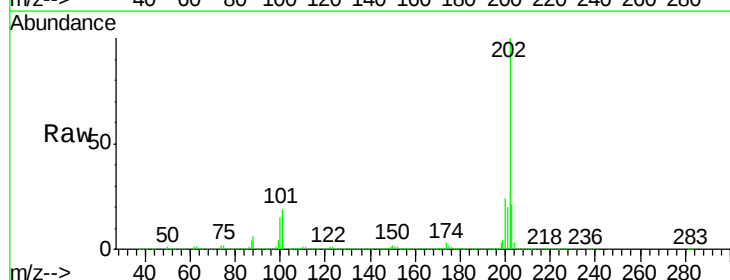
Manual Integrations
 APPROVED

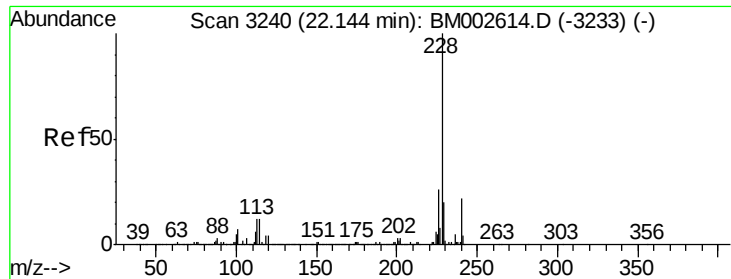
MMDadoda
 9/2/2015 1:36:10 PM



#19
 Pyrene
 Concen: 510.24 ng/ul
 RT: 20.46 min Scan# 2953
 Delta R.T. 0.03 min
 Lab File: BM002633.D
 Acq: 01 Sep 2015 17:56

Tgt Ion:202 Resp: 9897165
 Ion Ratio Lower Upper
 202 100
 101 19.1 12.0 18.0#
 100 15.5 9.7 14.5#





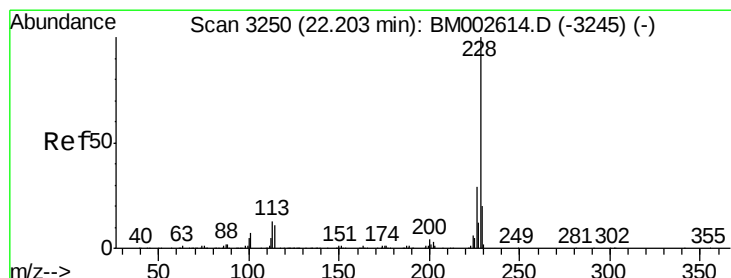
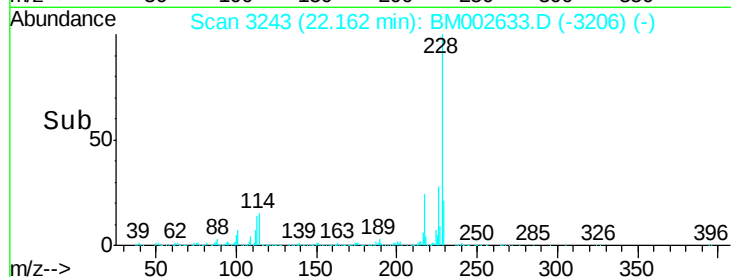
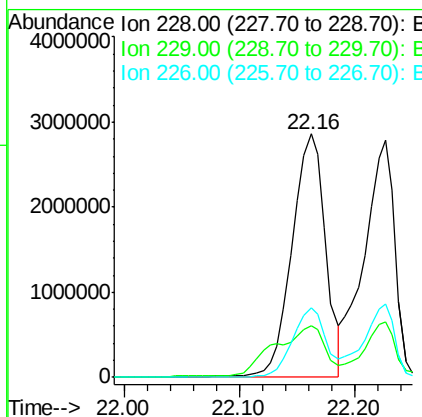
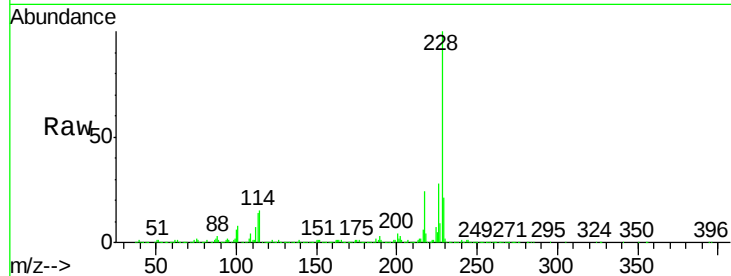
#20
Benzo(a)anthracene
Concen: 291.84 ng/ul
RT: 22.16 min Scan# 3243
Delta R.T. 0.02 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Instrument :
BNA_M
ClientSampleId :
D9EA6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.8	23.6
226	28.3	21.1	31.7

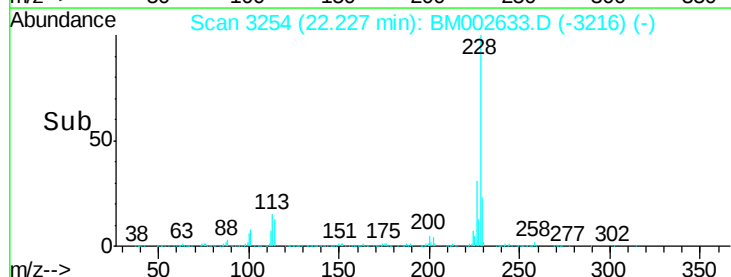
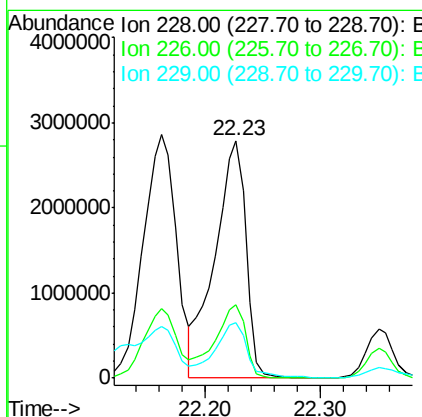
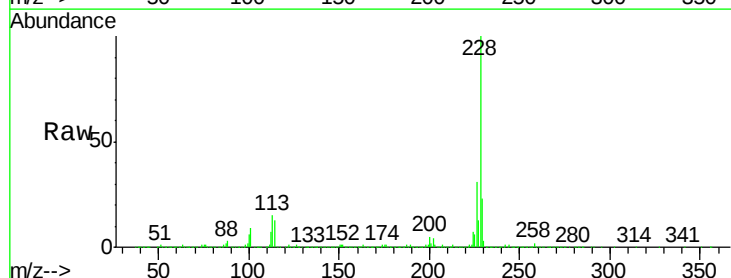
Manual Integrations
APPROVED

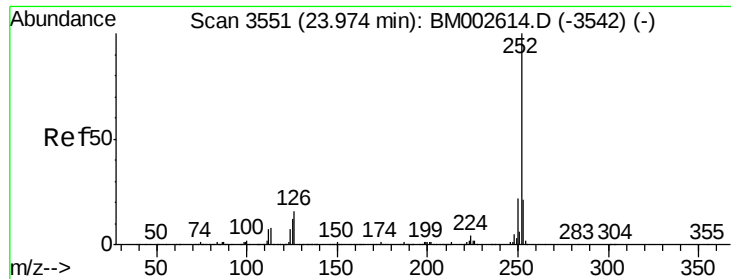
MMDadoda
9/2/2015 1:36:10 PM



#21
Chrysene
Concen: 281.21 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. 0.02 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.4	35.2
229	23.4	15.7	23.5





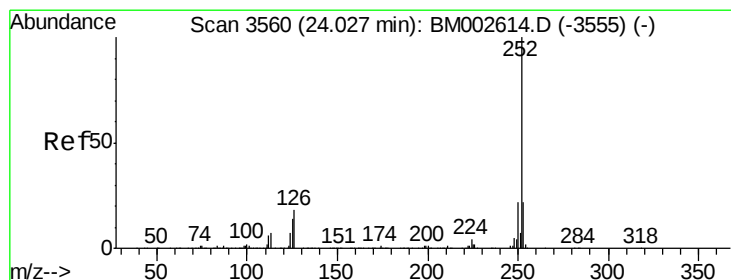
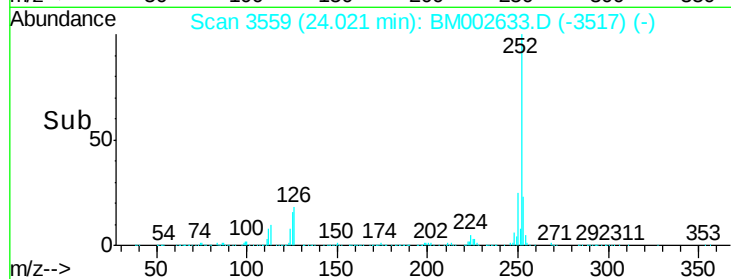
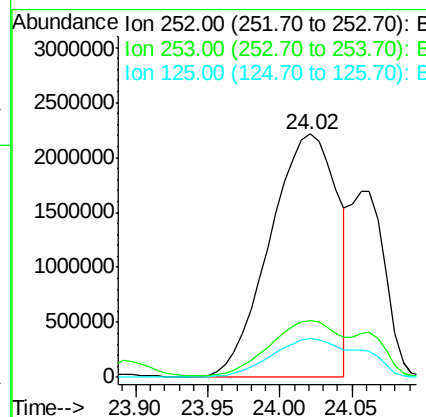
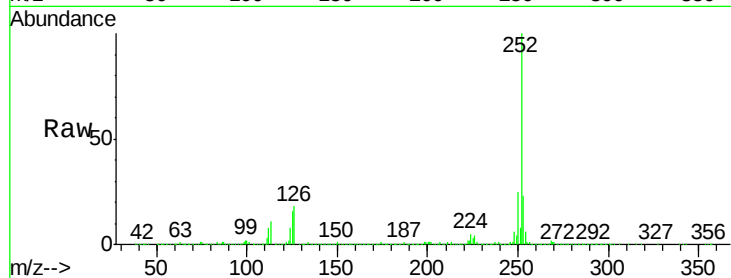
#23
Benzo(b)fluoranthene
Concen: 285.01 ng/ul m
RT: 24.02 min Scan# 3559
Delta R.T. 0.05 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Instrument :
BNA_M
ClientSampleId :
D9EA6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	16.0	10.0	15.0

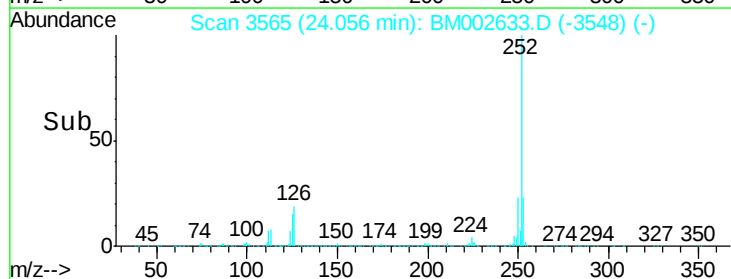
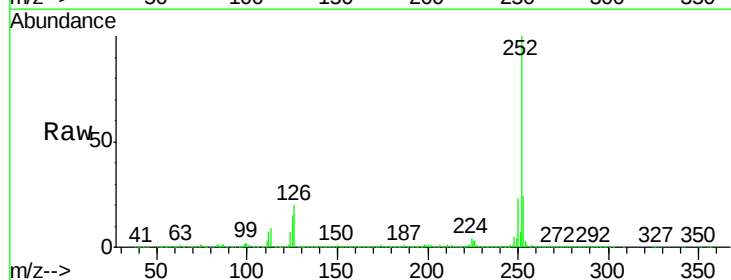
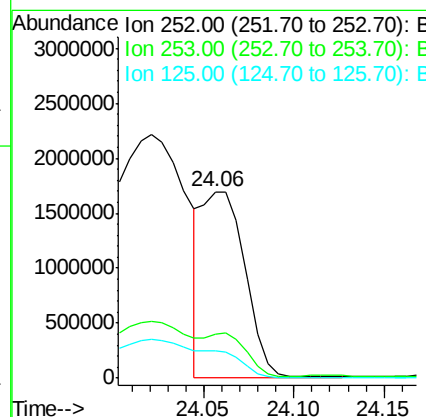
Manual Integrations
APPROVED

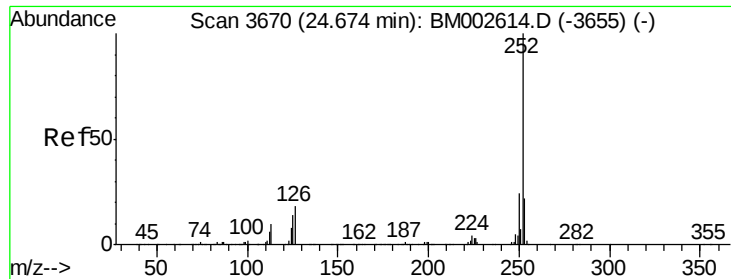
MMDadoda
9/2/2015 1:36:10 PM



#24
Benzo(k)fluoranthene
Concen: 116.74 ng/ul m
RT: 24.06 min Scan# 3565
Delta R.T. 0.03 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.8	9.8	14.8





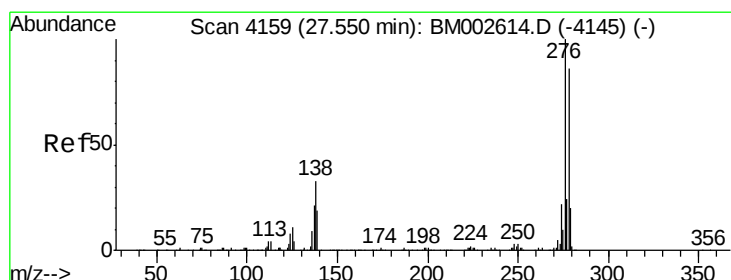
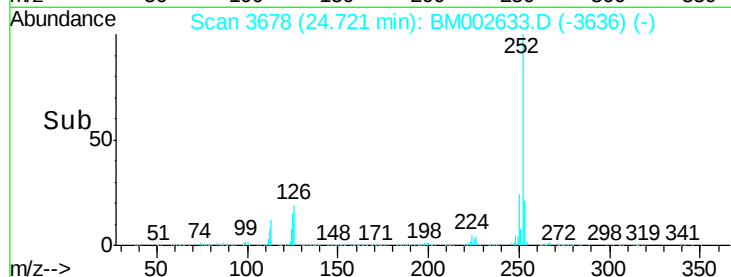
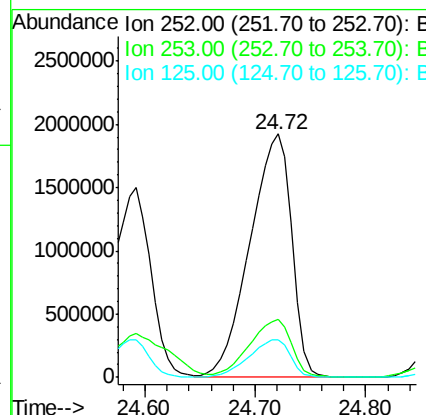
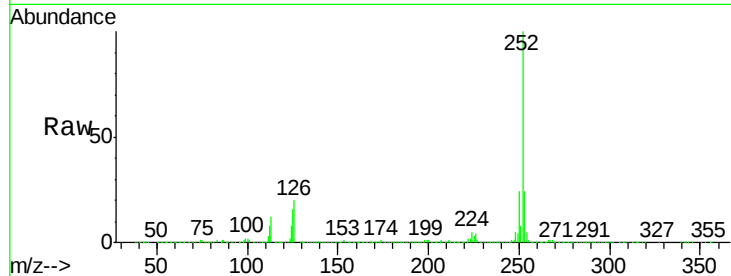
#26
Benzo(a)pyrene
Concen: 209.50 ng/ul m
RT: 24.72 min Scan# 3678
Delta R.T. 0.05 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Instrument :
BNA_M
ClientSampleId :
D9EA6

Tgt Ion:252 Resp: 5082794
Ion Ratio Lower Upper
252 100
253 23.6 17.6 26.4
125 15.6 10.7 16.1

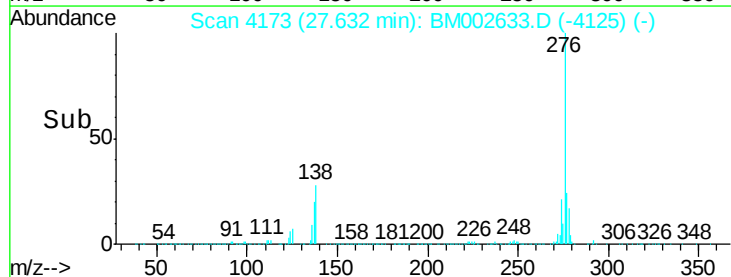
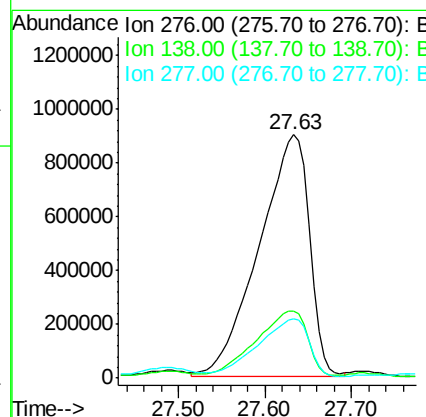
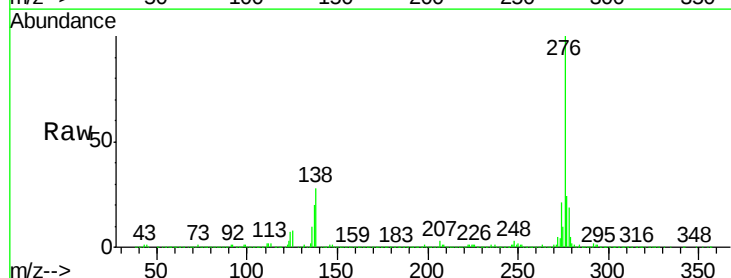
Manual Integrations
APPROVED

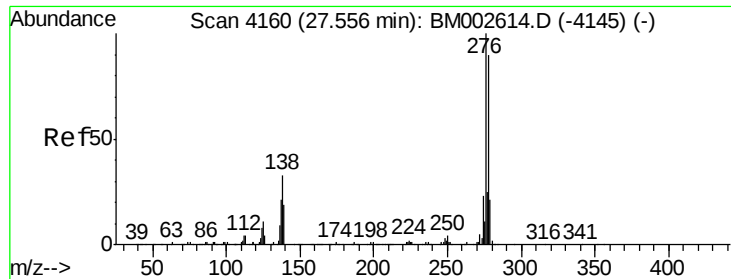
MMDadoda
9/2/2015 1:36:10 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 129.81 ng/ul m
RT: 27.63 min Scan# 4173
Delta R.T. 0.08 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion:276 Resp: 3621940
Ion Ratio Lower Upper
276 100
138 27.8 25.3 37.9
277 24.4 20.2 30.2





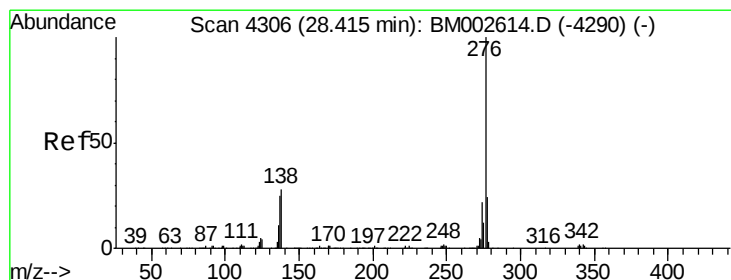
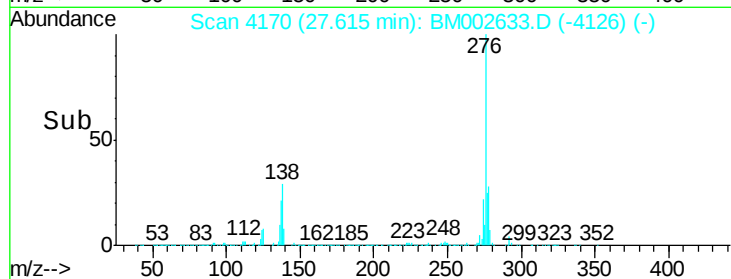
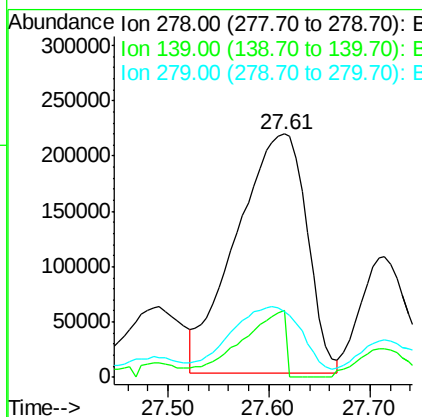
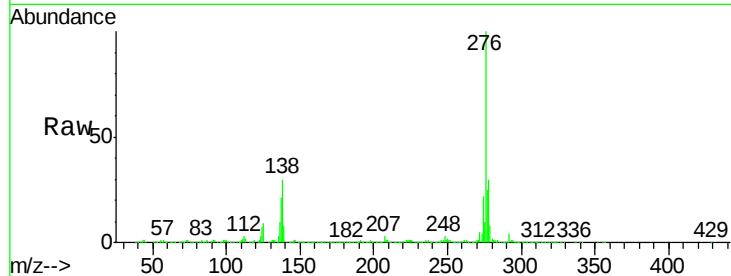
#28
Dibenzo(a,h)anthracene
Concen: 44.85 ng/ul m
RT: 27.61 min Scan# 4170
Delta R.T. 0.06 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Instrument :
BNA_M
ClientSampleId :
D9EA6

Tgt Ion:278 Resp: 1046080
Ion Ratio Lower Upper
278 100
139 27.3 16.5 24.7#
279 27.0 18.8 28.2

Manual Integrations
APPROVED

MMDadoda
9/2/2015 1:36:10 PM



#29
Benzo(g,h,i)perylene
Concen: 125.70 ng/ul m
RT: 28.50 min Scan# 4321
Delta R.T. 0.09 min
Lab File: BM002633.D
Acq: 01 Sep 2015 17:56

Tgt Ion:276 Resp: 2919346
Ion Ratio Lower Upper
276 100
138 29.7 21.0 31.6
277 26.0 19.2 28.8

