

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002751.D
 Acq On : 29 Sep 2015 01:46
 Operator : UM/IZ
 Sample : G3798-14
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G68

Manual Integrations
 APPROVED

MMDadoda
 9/29/2015 3:44:08 PM

Quant Time: Sep 29 05:08:41 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8072	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	31442	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	16482	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	35581	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	35914	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	33944	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	16402	1.97	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5873m	0.13	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	8912	0.10	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	3850	0.05	ng/ul#	93
7) 2-Methylnaphthalene	13.20	142	3403	0.06	ng/ul	99
9) Acenaphthylene	15.06	152	11291	0.13	ng/ul	97
10) Acenaphthene	15.38	153	1855	0.03	ng/ul#	92
11) Fluorene	16.36	166	2866m	0.04	ng/ul	
14) Phenanthrene	18.08	178	35011	0.30	ng/ul	98
15) Anthracene	18.17	178	7112m	0.07	ng/ul	
17) Fluoranthene	20.03	202	94136	0.75	ng/ul	99
19) Pyrene	20.40	202	77883	0.56	ng/ul	94
20) Benzo(a)anthracene	22.11	228	34024	0.28	ng/ul#	93
21) Chrysene	22.16	228	38345	0.33	ng/ul#	89
23) Benzo(b)fluoranthene	23.93	252	60504m	0.49	ng/ul	
24) Benzo(k)fluoranthene	23.97	252	15637m	0.14	ng/ul	
25) Benzo(a)pyrene	24.62	252	35054	0.31	ng/ul#	81
26) Indeno(1,2,3-cd)pyrene	27.47	276	28638	0.23	ng/ul	94
27) Dibenzo(a,h)anthracene	27.47	278	6549	0.06	ng/ul#	17
28) Benzo(g,h,i)perylene	28.33	276	26581	0.25	ng/ul#	82

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

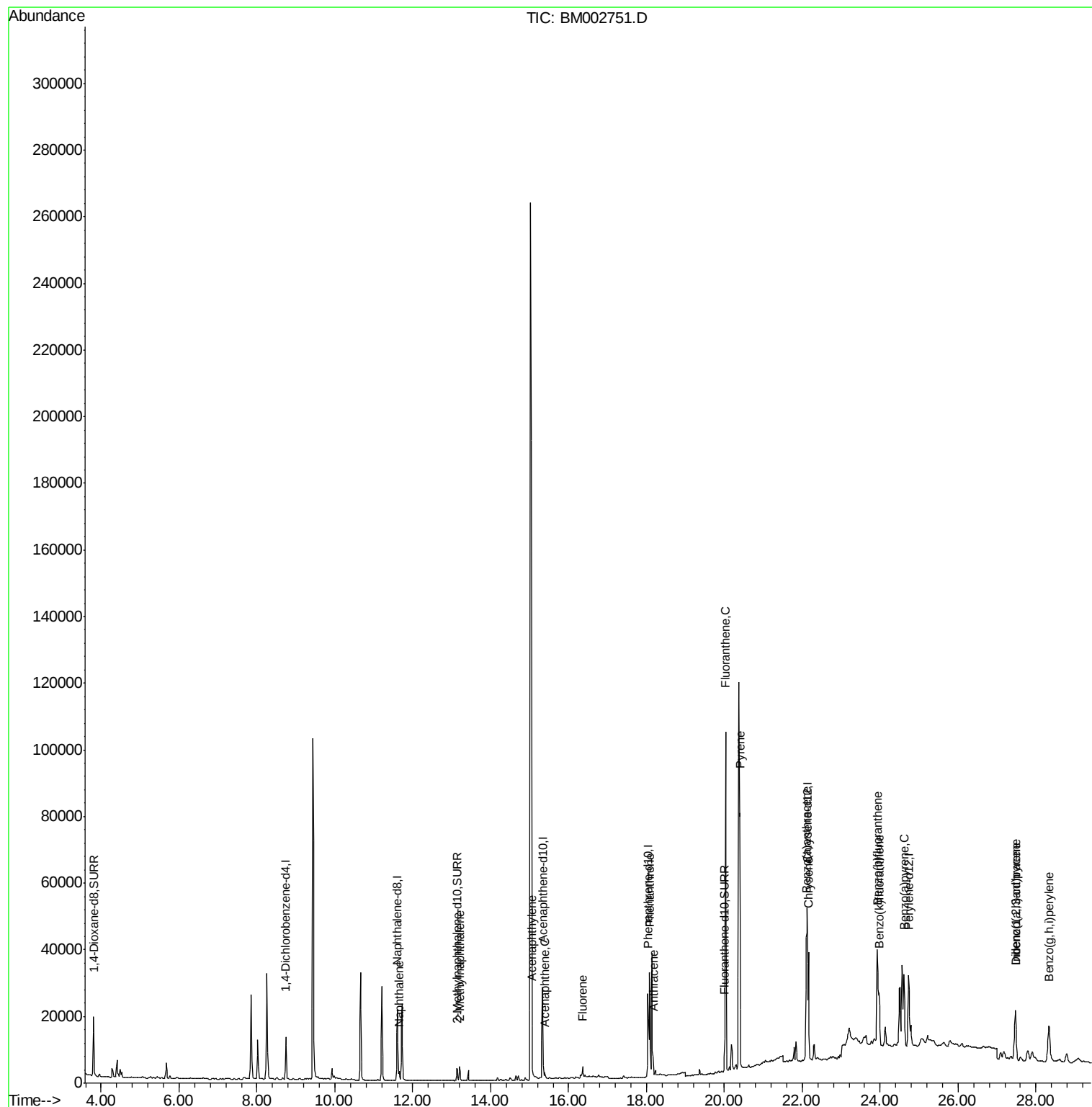
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
Data File : BM002751.D
Acq On : 29 Sep 2015 01:46
Operator : UM/IZ
Sample : G3798-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

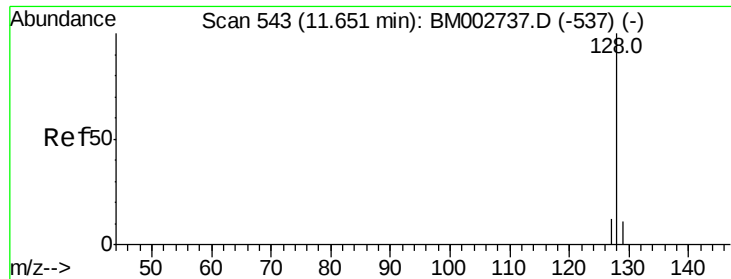
Instrument :
BNA_M
ClientSampleId :
D9G68

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:08 PM

Quant Time: Sep 29 05:08:41 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 02:52:19 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.05 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

ClientSampleId :

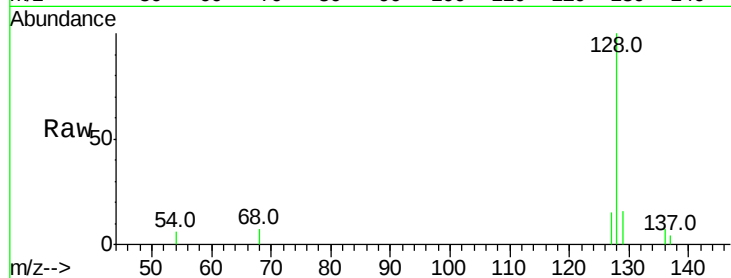
D9G68

Tot Ion:128 Resp: 3850

Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.8#
127	15.5	10.7	16.1

Manual Integrations
APPROVED

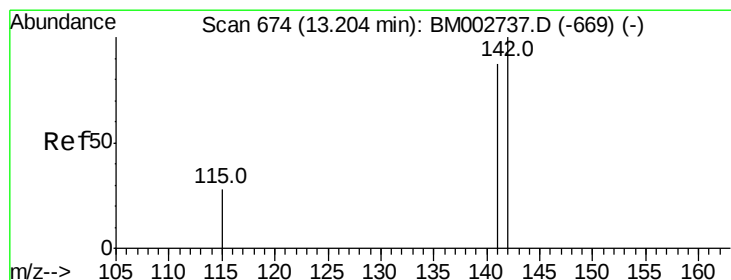
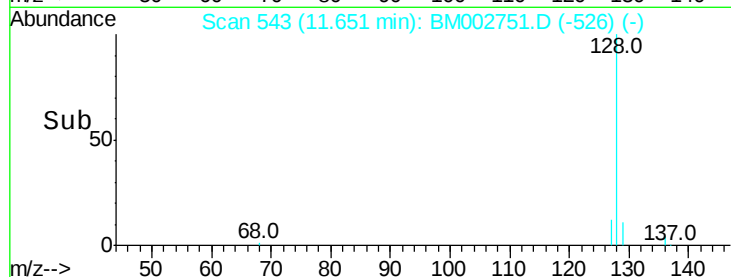
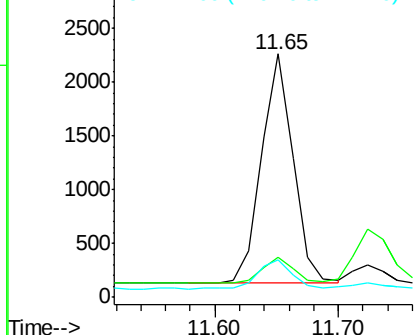
MMDadoda
9/29/2015 3:44:08 PM



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



#7

2-Methylnaphthalene

Concen: 0.06 ng/ul

RT: 13.20 min Scan# 674

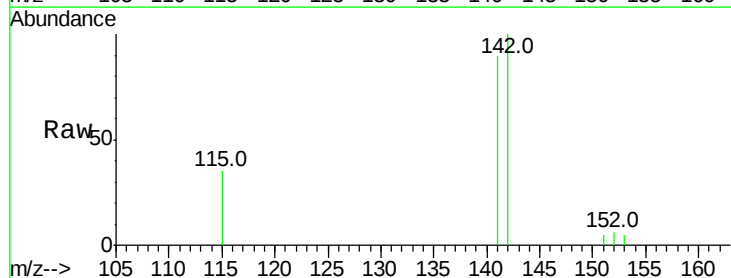
Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

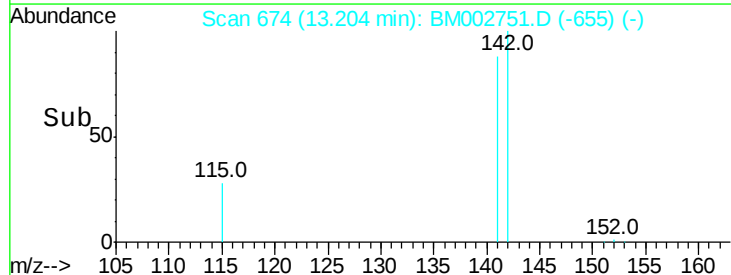
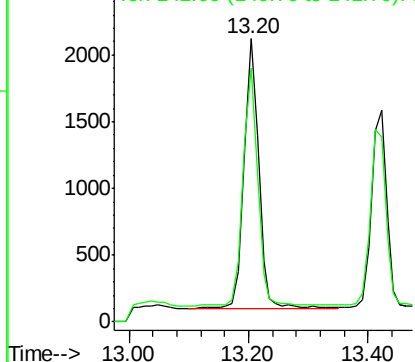
Tgt Ion:142 Resp: 3403

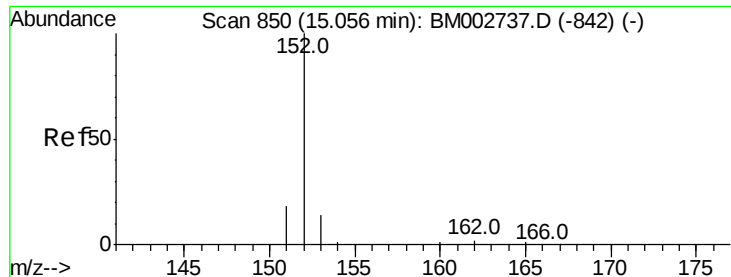
Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.13 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

BNA_M

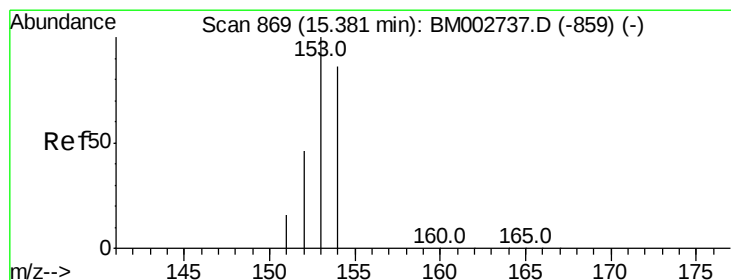
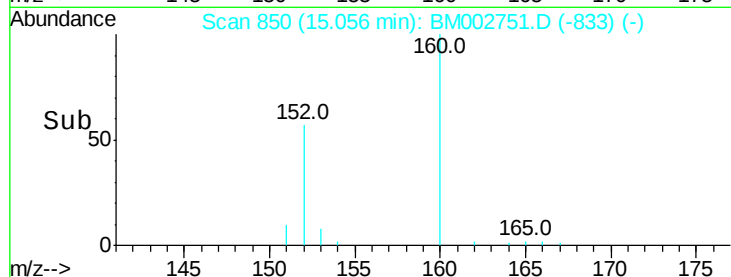
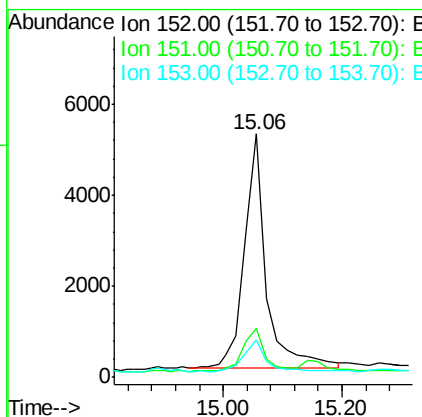
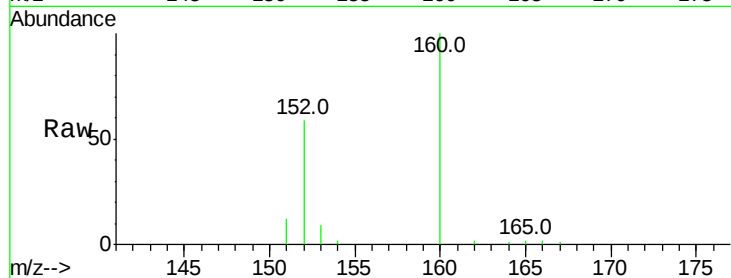
ClientSampleId :

D9G68

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:08 PM

Tot Ion	152	Resp	11291
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.8	25.2
153	15.6	11.3	16.9



#10

Acenaphthene

Concen: 0.03 ng/ul

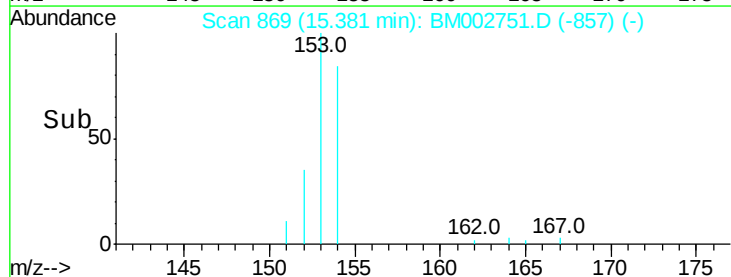
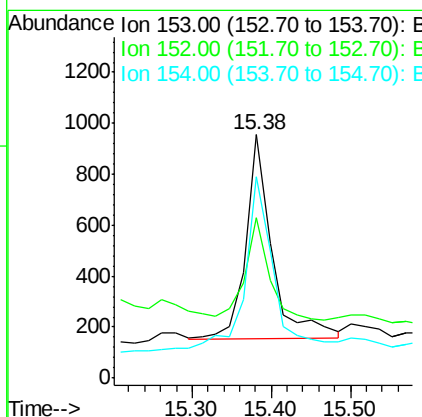
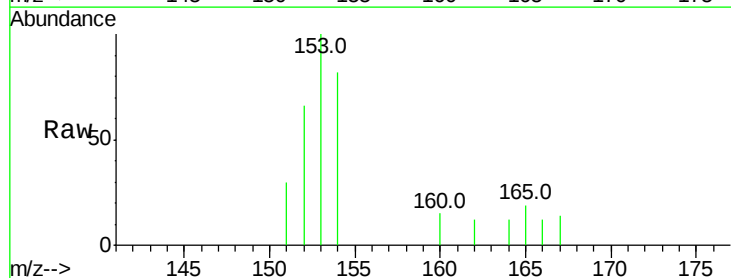
RT: 15.38 min Scan# 869

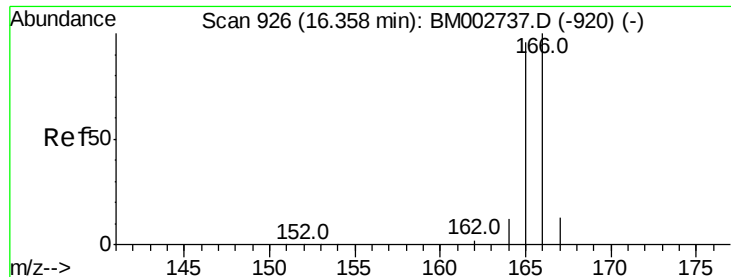
Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Tgt Ion	153	Resp	1855
Ion Ratio	Lower	Upper	
153	100		
152	65.9	42.3	63.5#
154	82.4	64.7	97.1





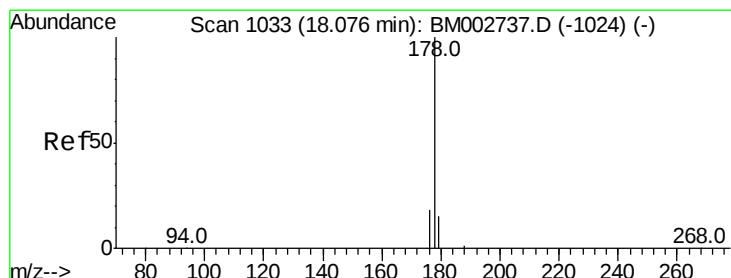
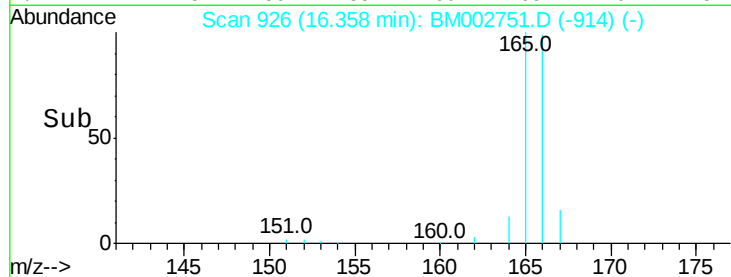
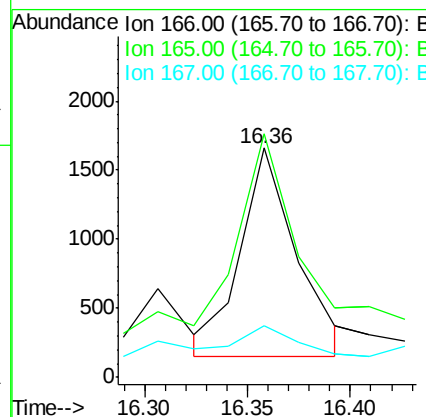
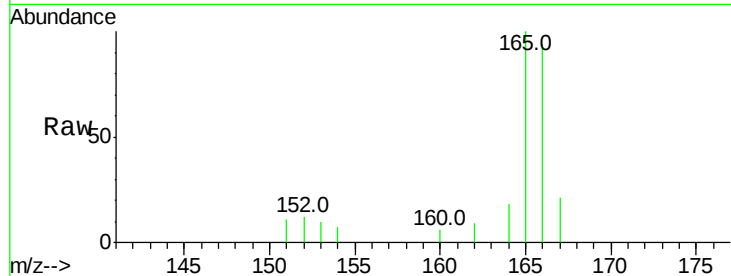
#11
Fluorene
 Concen: 0.04 ng/ul m
 RT: 16.36 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: BM002751.D
 Acq: 29 Sep 2015 01:46

Instrument :
 BNA_M
 ClientSampleId :
 D9G68

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.2	87.6	131.4
167	22.7	11.1	16.7#

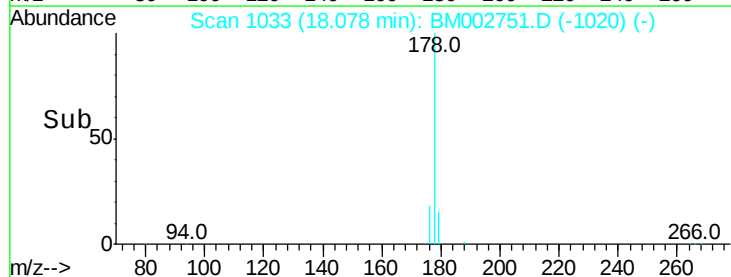
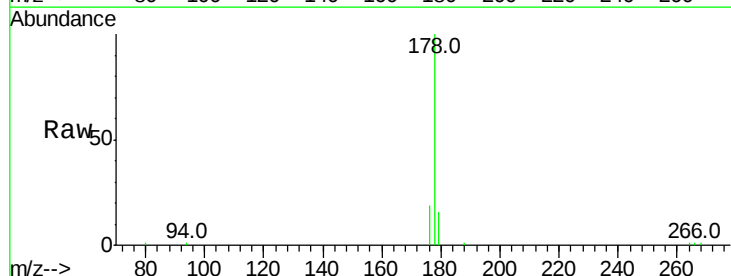
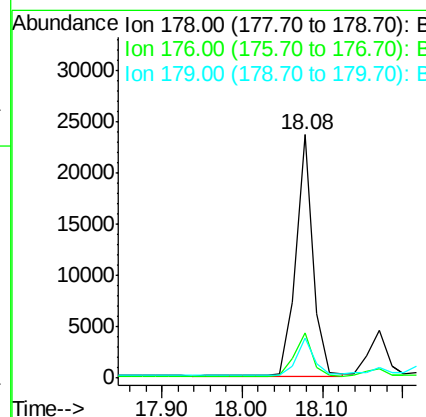
Manual Integrations
 APPROVED

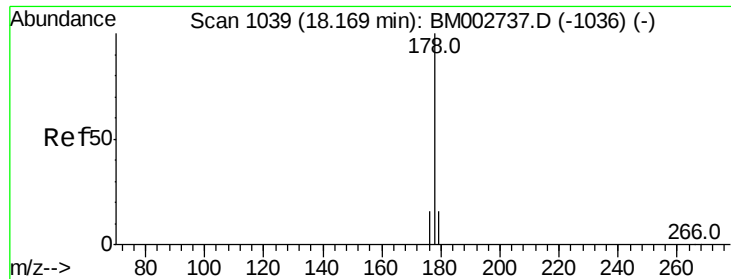
MMDadoda
 9/29/2015 3:44:08 PM



#14
Phenanthrene
 Concen: 0.30 ng/ul
 RT: 18.08 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM002751.D
 Acq: 29 Sep 2015 01:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	16.2	12.8	19.2





#15

Anthracene

Concen: 0.07 ng/ul m

RT: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Instrument :

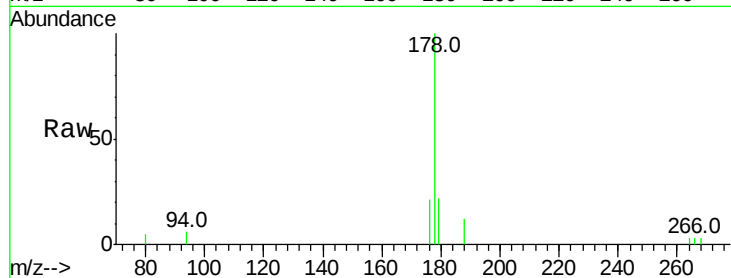
BNA_M

ClientSampleId :

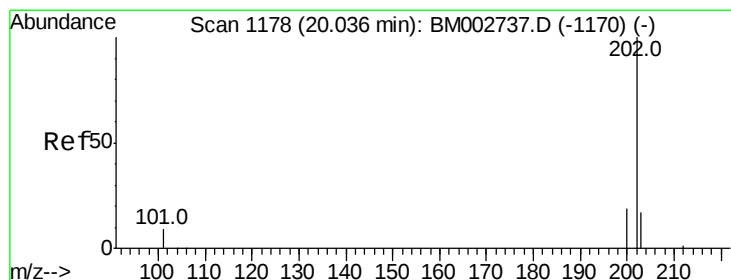
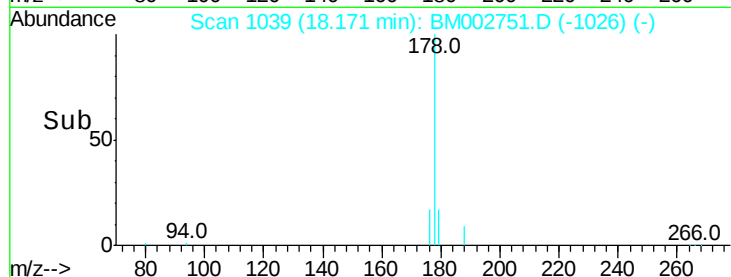
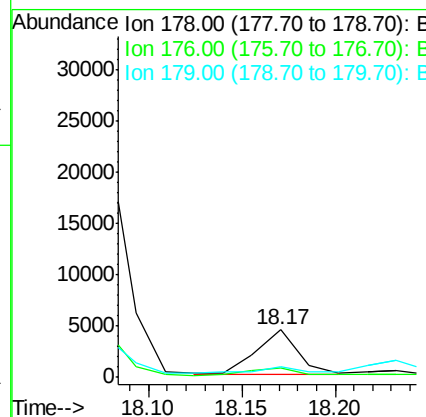
D9G68

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:08 PM



Tot Ion:	178	Resp:	7112
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.8	23.8
179	21.7	13.3	19.9#



#17

Fluoranthene

Concen: 0.75 ng/ul

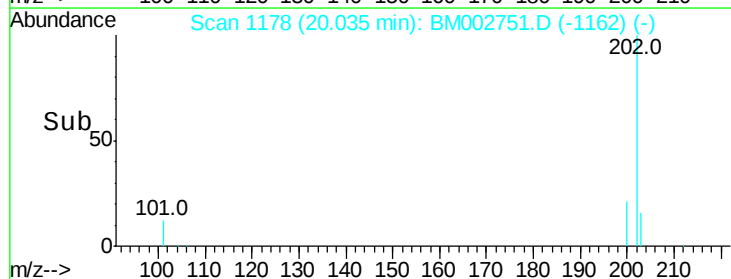
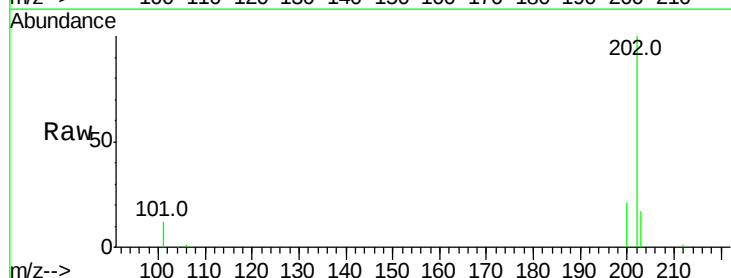
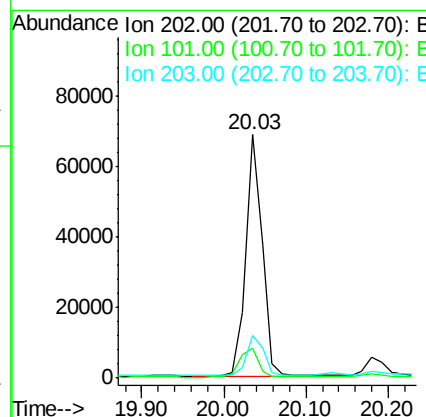
RT: 20.03 min Scan# 1178

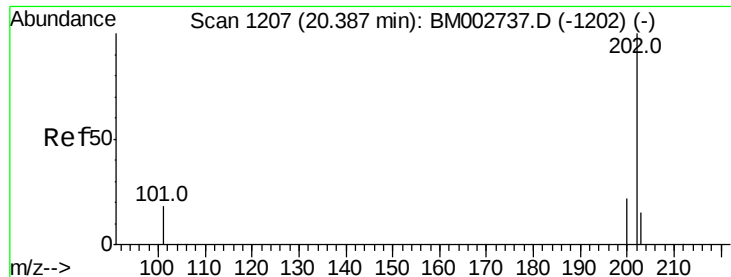
Delta R.T. -0.00 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Tgt Ion:	202	Resp:	94136
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	33.1
203	17.3	0.0	37.2





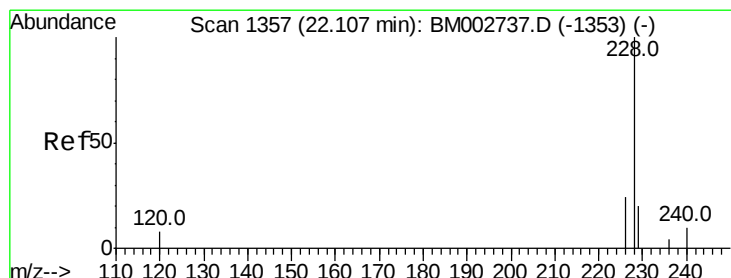
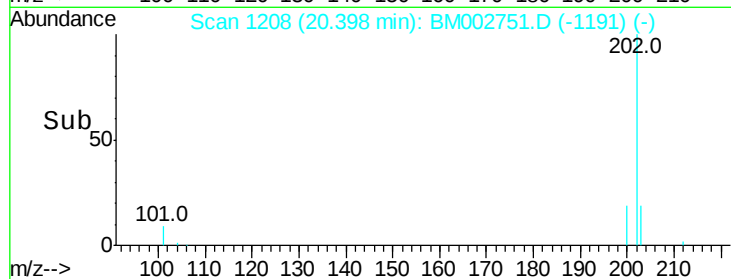
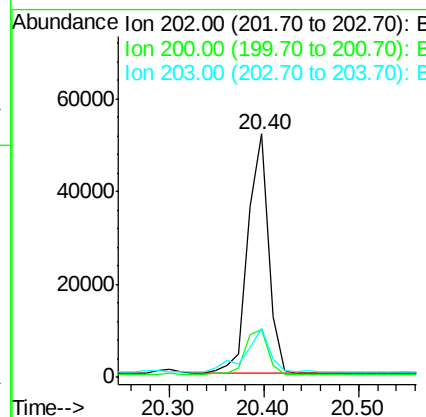
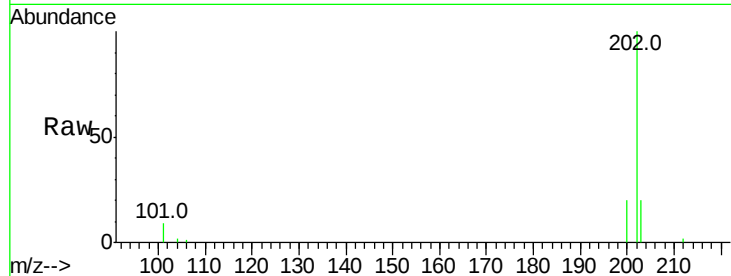
#19
Pvrene
Concen: 0.56 ng/ul
RT: 20.40 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Instrument :
BNA_M
ClientSampleId :
D9G68

Tot Ion	Ratio	Resp	Lower	Upper
202	100	77883		
200	19.6		18.0	27.0
203	20.1		13.8	20.6

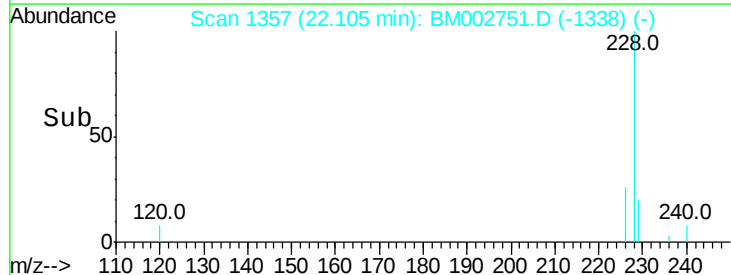
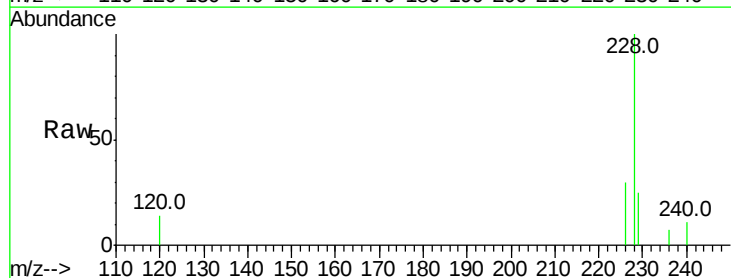
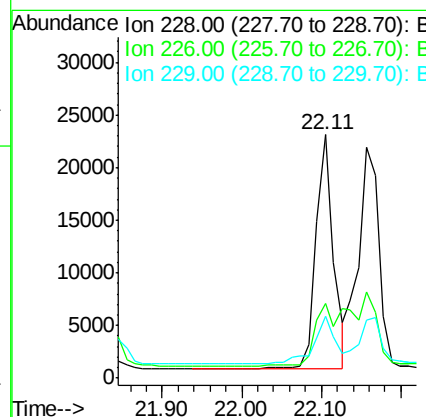
Manual Integrations
APPROVED

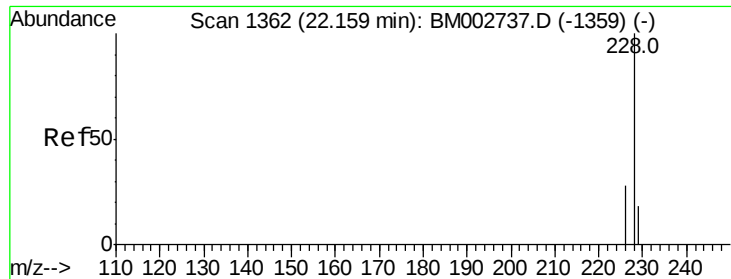
MMDadoda
9/29/2015 3:44:08 PM



#20
Benzo(a)anthracene
Concen: 0.28 ng/ul
RT: 22.11 min Scan# 1357
Delta R.T. -0.00 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	34024		
226	30.4		23.0	34.4
229	25.2		15.2	22.8#





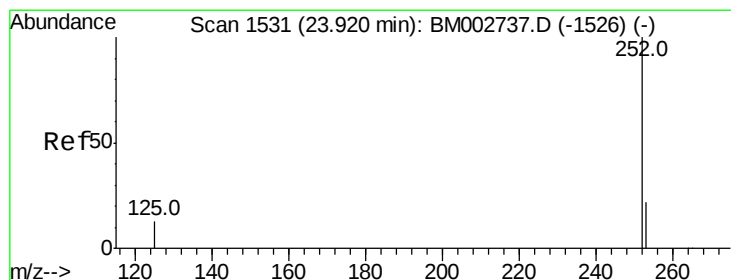
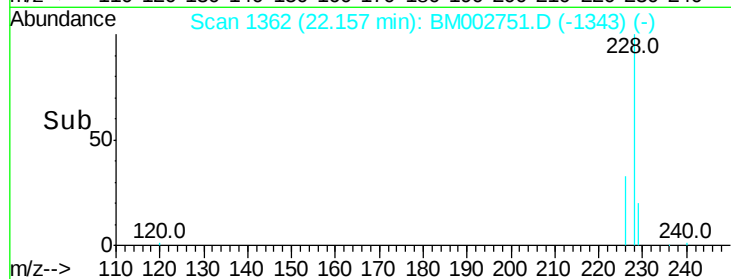
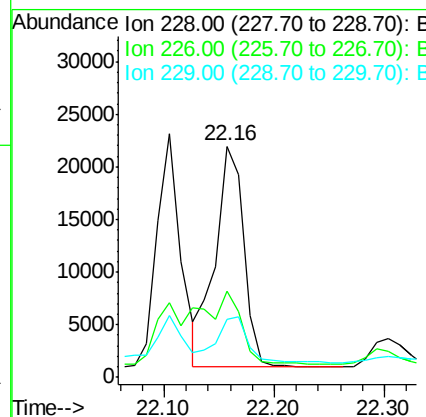
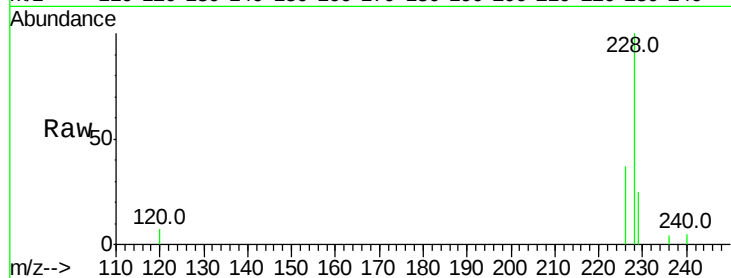
#21
Chrysene
Concen: 0.33 ng/ul
RT: 22.16 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Instrument :
BNA_M
ClientSampleId :
D9G68

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.0	25.7	38.5
229	25.2	15.2	22.8

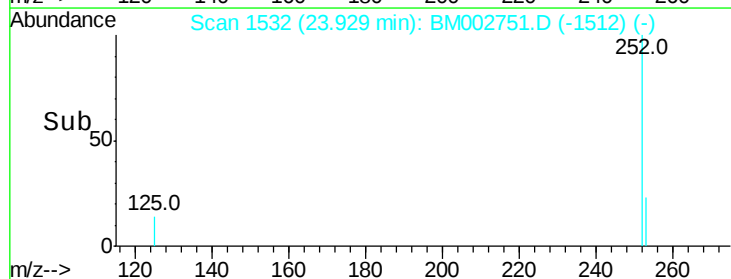
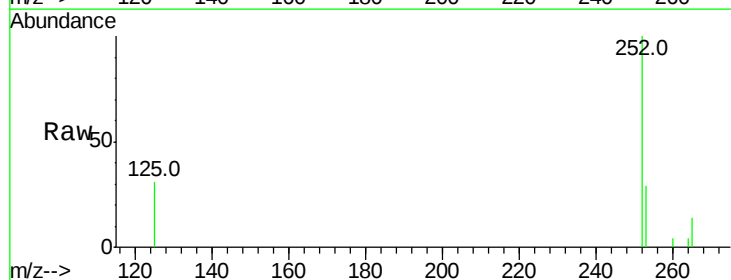
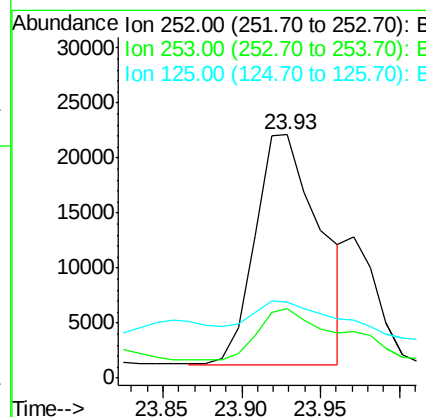
Manual Integrations
APPROVED

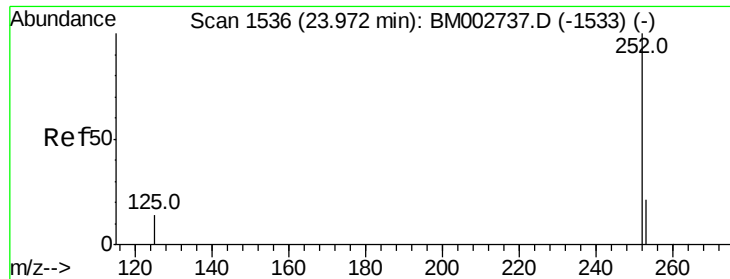
MMDadoda
9/29/2015 3:44:08 PM



#23
Benzo(b)fluoranthene
Concen: 0.49 ng/ul m
RT: 23.93 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	0.0	48.0
125	31.3	0.0	36.6





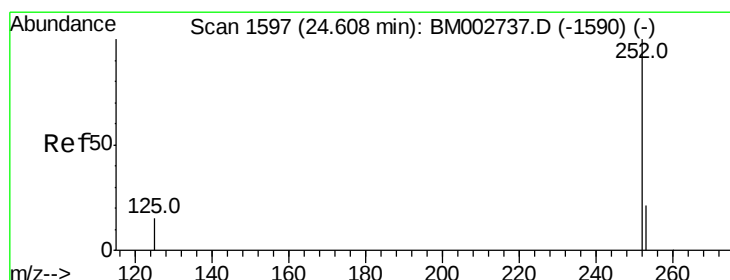
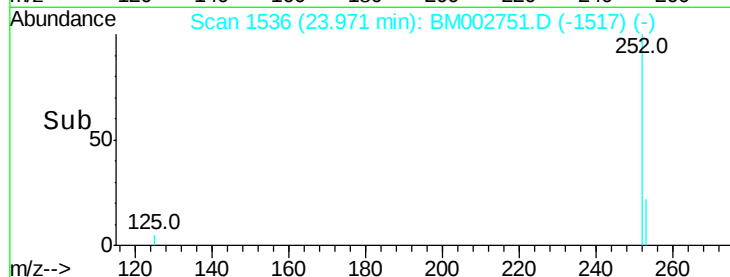
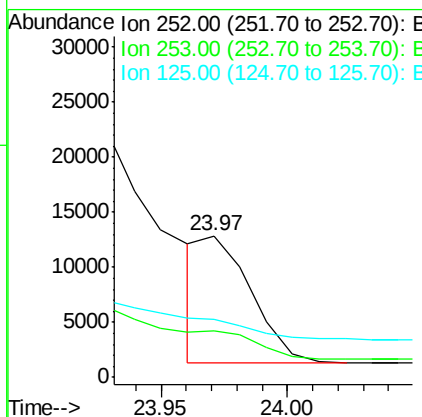
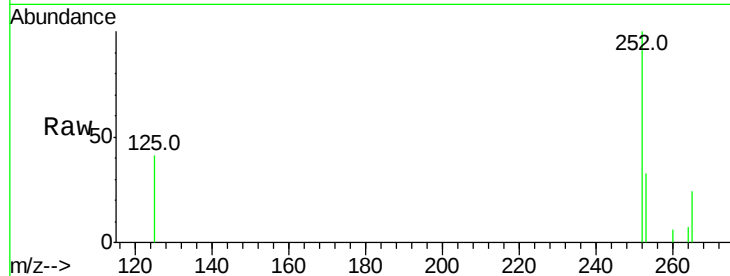
#24
Benzo(k)fluoranthene
Concen: 0.14 ng/ul m
RT: 23.97 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Instrument :
BNA_M
ClientSampleId :
D9G68

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.0	20.8	31.2#
125	41.3	12.2	18.4#

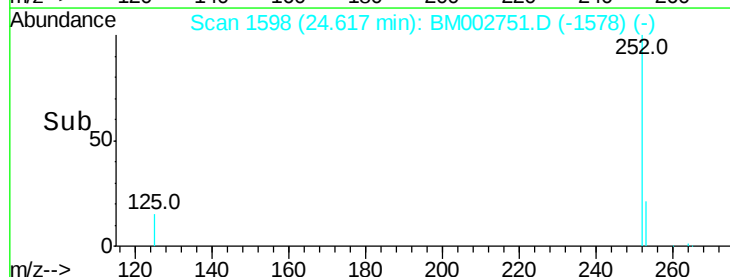
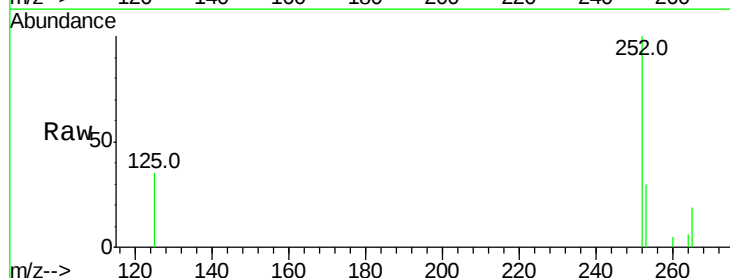
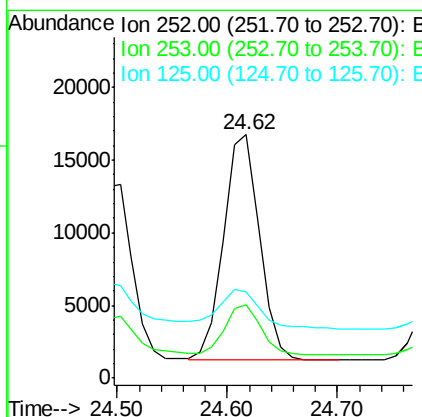
Manual Integrations
APPROVED

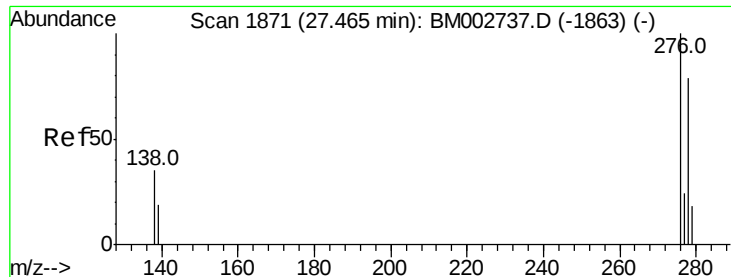
MMDadoda
9/29/2015 3:44:08 PM



#25
Benzo(a)pyrene
Concen: 0.31 ng/ul
RT: 24.62 min Scan# 1598
Delta R.T. 0.01 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	21.8	32.8
125	35.2	14.5	21.7#





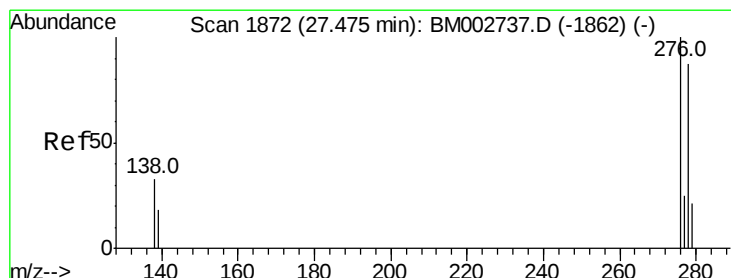
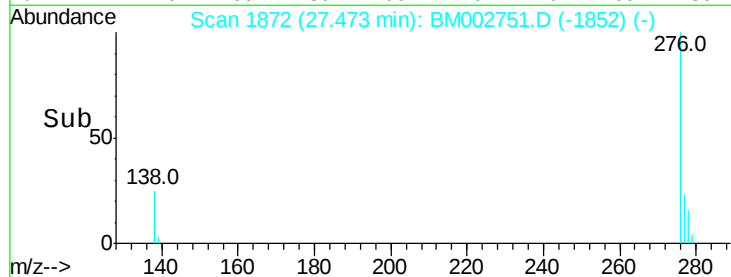
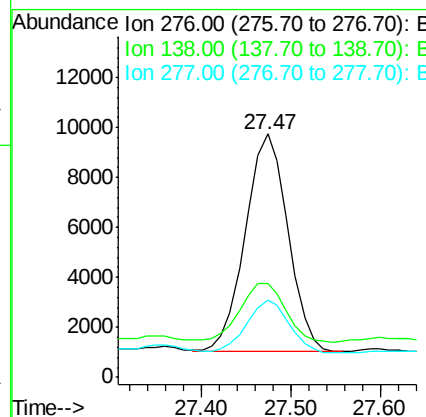
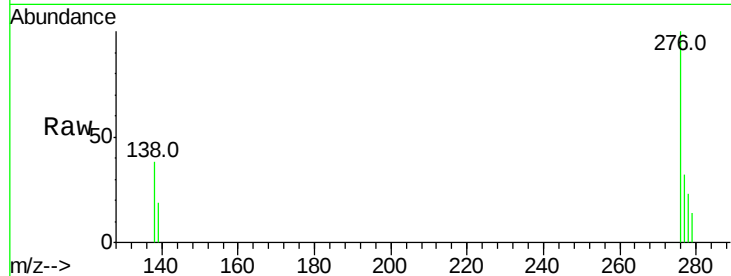
#26
Indeno(1,2,3-cd)pyrene
Concen: 0.23 ng/ul
RT: 27.47 min Scan# 1872
Delta R.T. 0.01 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Instrument :
BNA_M
ClientSampleId :
D9G68

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	27.5	41.3
277	24.0	19.3	28.9

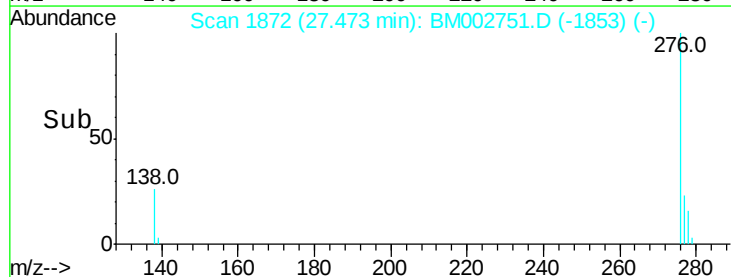
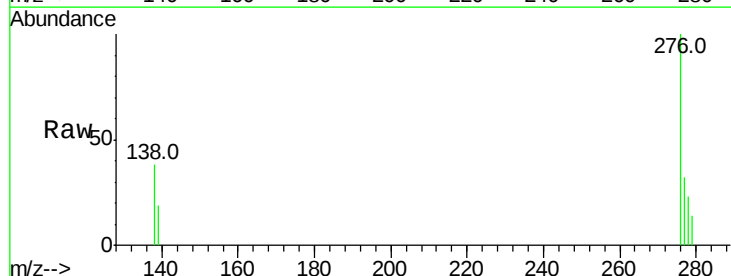
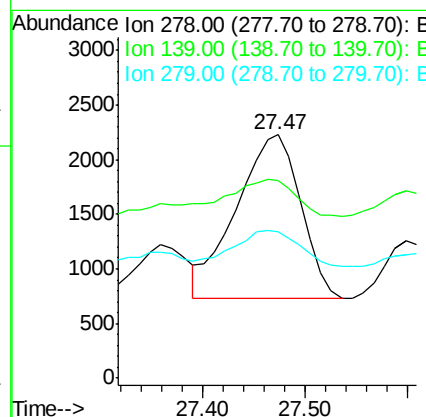
Manual Integrations
APPROVED

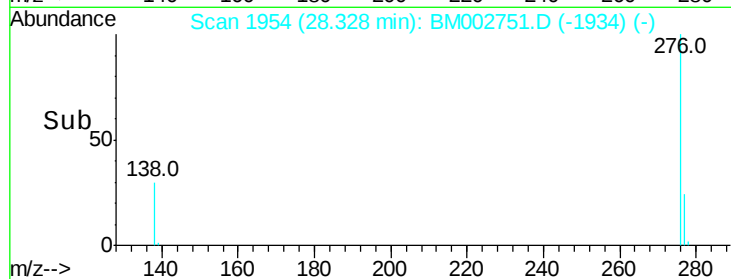
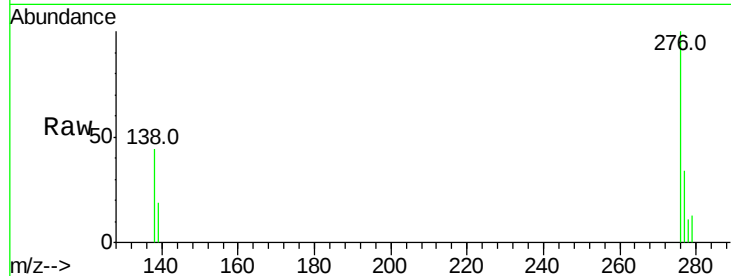
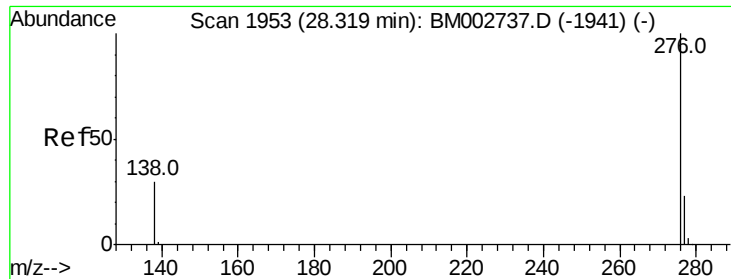
MMDadoda
9/29/2015 3:44:08 PM



#27
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 27.47 min Scan# 1872
Delta R.T. -0.00 min
Lab File: BM002751.D
Acq: 29 Sep 2015 01:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	81.3	21.7	32.5#
279	60.1	21.9	32.9#





#28

Benzo(a,h,i)perylene

Concen: 0.25 ng/ul

RT: 28.33 min Scan# 1954

Delta R.T. 0.01 min

Lab File: BM002751.D

Acq: 29 Sep 2015 01:46

Tot Ion:	276	Resp:	26581
Ion Ratio	Lower	Upper	
276	100		
277	33.5	21.3	31.9#
138	43.6	25.5	38.3#

Instrument :

BNA_M

ClientSampleId :

D9G68

Manual Integrations
APPROVED

MMDadoda
9/29/2015 3:44:08 PM

