

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
 Data File : BM002579.D
 Acq On : 29 Aug 2015 23:58
 Operator : UM/IZ
 Sample : G3455-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9E82

Manual Integrations
 APPROVED

MMDadoda
 8/31/2015 1:51:54 PM

Quant Time: Aug 31 01:42:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 31 01:34:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	159881	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	619699	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	259047	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	476522	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	495923	20.00	ng/ul	0.00
22) Perylene-d12	24.80	264	530936	20.00	ng/ul	0.02

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	471599	17.81	ng/ul	0.00
10) Fluorene-d10	16.34	176	292138	15.70	ng/ul	0.00
14) Anthracene-d10	18.17	188	382637	16.65	ng/ul	0.00
18) Pyrene-d10	20.40	212	357309	16.25	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	311775	11.18	ng/ul	0.02

Target Compounds				Qvalue		
3) Naphthalene	11.70	128	51347	1.62	ng/ul	100
4) 2-Methylnaphthalene	13.25	142	33256	1.40	ng/ul	100
5) 1-Methylnaphthalene	13.46	142	29284	1.25	ng/ul	99
8) Acenaphthylene	15.10	152	75766	2.73	ng/ul	99
9) Acenaphthene	15.43	153	24039	1.32	ng/ul	99
11) Fluorene	16.40	166	34458	1.65	ng/ul#	98
13) Phenanthrene	18.12	178	665819	24.20	ng/ul	99
15) Anthracene	18.21	178	170560	6.12	ng/ul	100
16) Fluoranthene	20.07	202	1138293	36.54	ng/ul	96
19) Pyrene	20.43	202	987317	33.98	ng/ul	98
20) Benzo(a)anthracene	22.14	228	527593	17.79	ng/ul	98
21) Chrysene	22.20	228	514646	18.55	ng/ul	96
23) Benzo(b)fluoranthene	23.99	252	753226	23.47	ng/ul#	96
24) Benzo(k)fluoranthene	24.03	252	237728m	7.82	ng/ul	
26) Benzo(a)pyrene	24.69	252	551016	17.97	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.57	276	434333	12.32	ng/ul	97
28) Dibenzo(a,h)anthracene	27.56	278	147958	5.02	ng/ul#	79
29) Benzo(g,h,i)perylene	28.45	276	562338	19.16	ng/ul	95

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

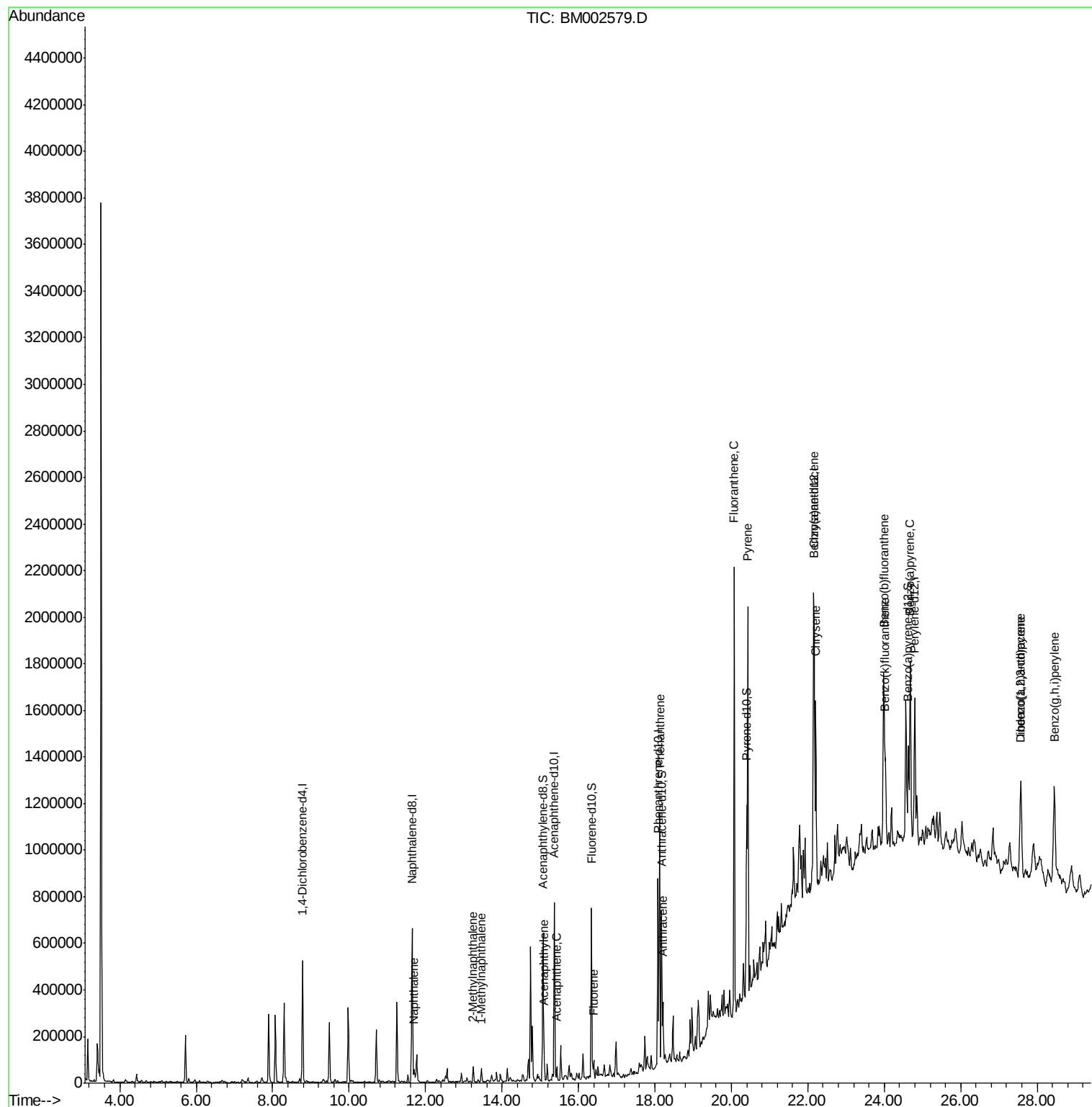
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082915\
Data File : BM002579.D
Acq On : 29 Aug 2015 23:58
Operator : UM/IZ
Sample : G3455-17
Misc :
ALS Vial : 20 Sample Multiplier: 1

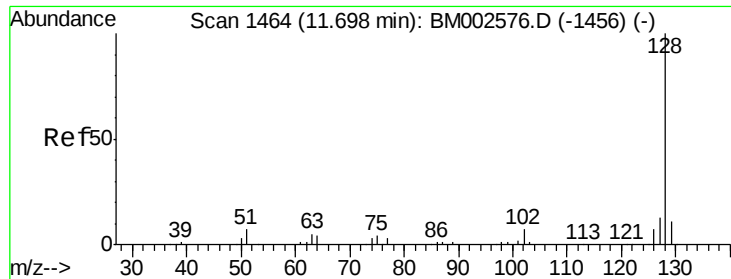
Instrument :
BNA_M
ClientSampleId :
D9E82

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 PM

Quant Time: Aug 31 01:42:27 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 31 01:34:36 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.62 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002579.D

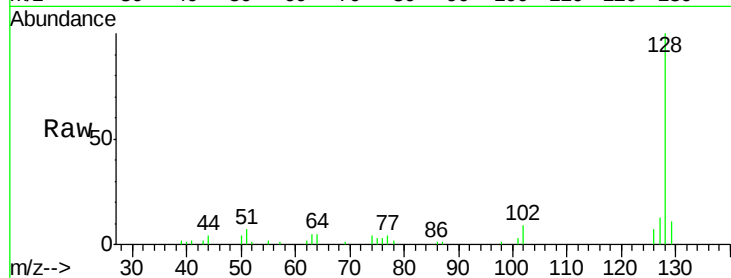
Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

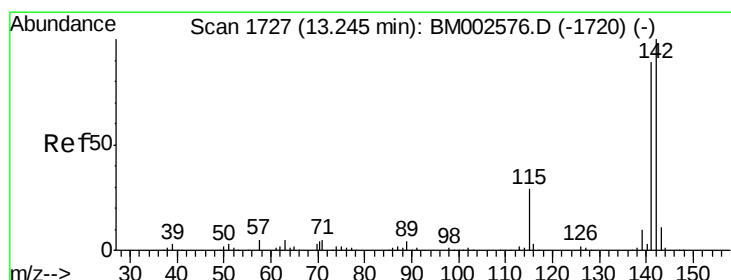
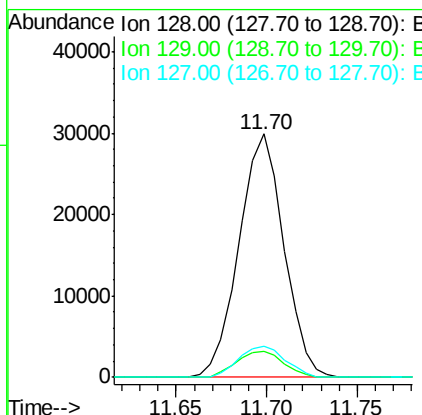
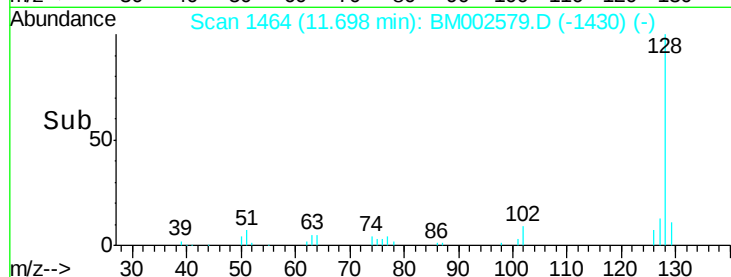
D9E82



Tgt Ion:	128	Resp:	51347
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.0	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 PM



#4

2-Methylnaphthalene

Concen: 1.40 ng/ul

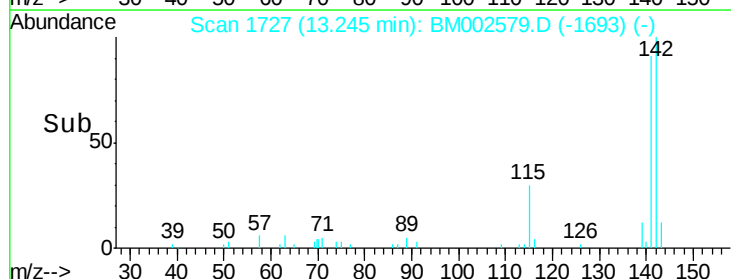
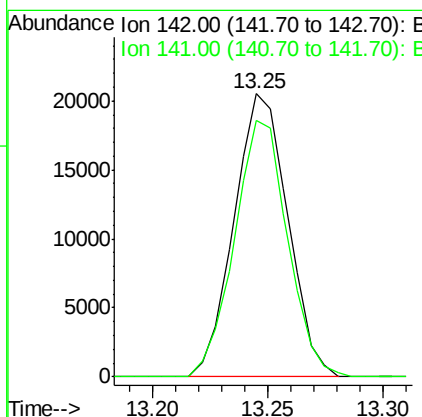
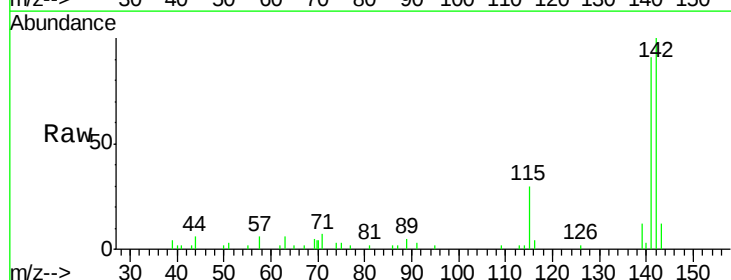
RT: 13.25 min Scan# 1727

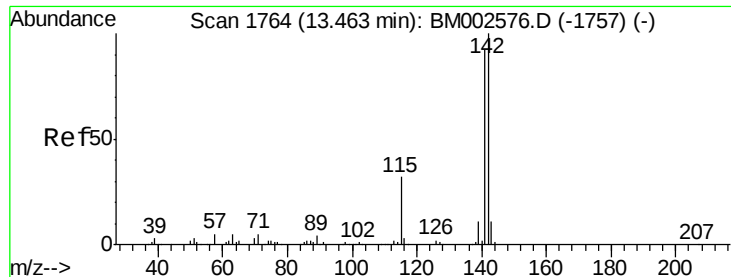
Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Tgt Ion:	142	Resp:	33256
Ion Ratio	Lower	Upper	
142	100		
141	90.6	72.2	108.2





#5

1-Methylnaphthalene

Concen: 1.25 ng/ul

RT: 13.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BM002579.D

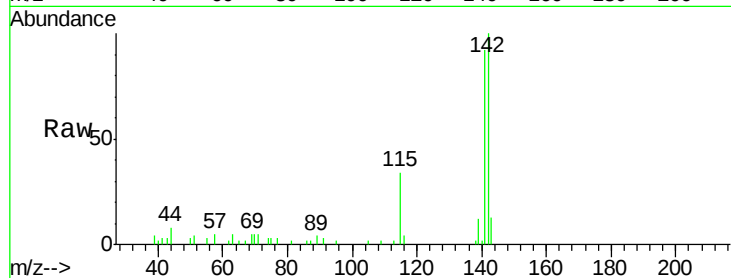
Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

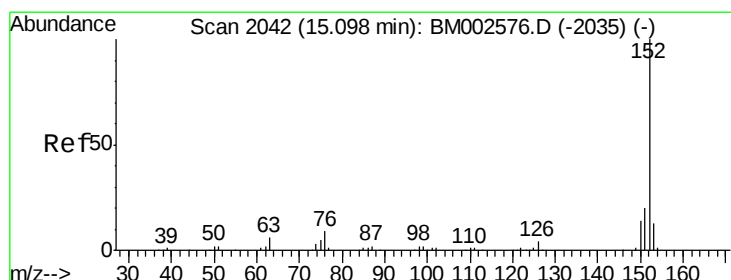
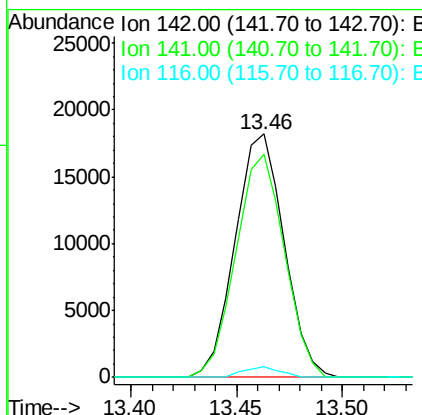
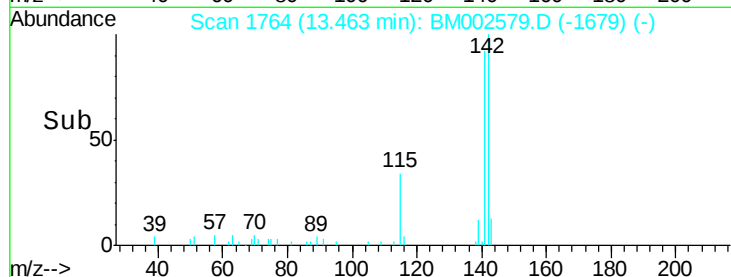
D9E82



Tgt Ion:	142	Resp:	29284
Ion Ratio	Lower	Upper	
142	100		
141	91.5	73.9	110.9
116	4.3	3.0	4.4

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 PM



#8

Acenaphthylene

Concen: 2.73 ng/ul

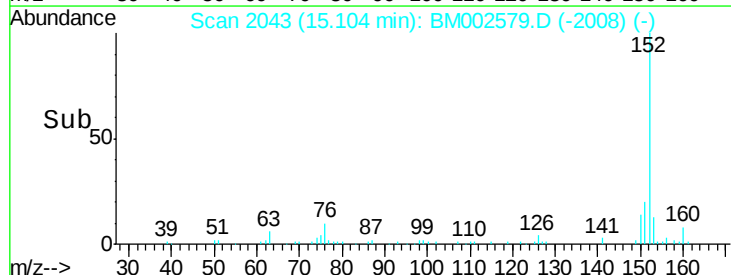
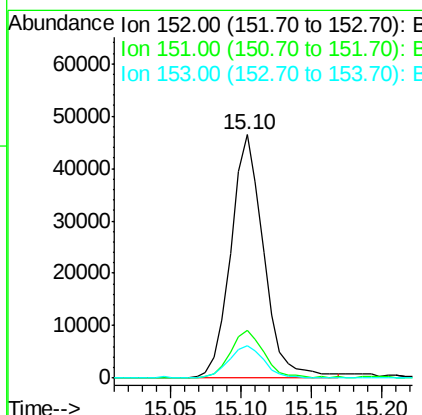
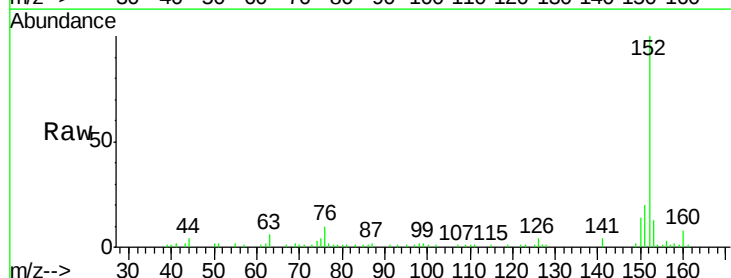
RT: 15.10 min Scan# 2043

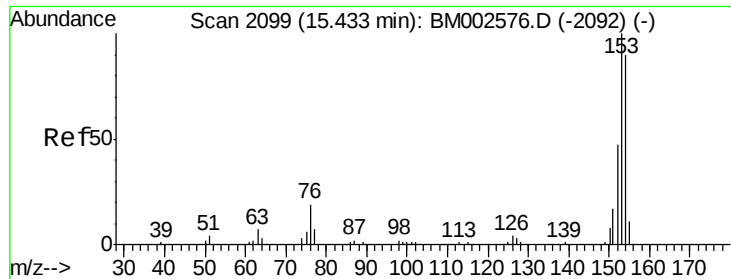
Delta R.T. 0.01 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Tgt Ion:	152	Resp:	75766
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.7	23.5
153	13.1	10.2	15.4





#9

Acenaphthene

Concen: 1.32 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002579.D

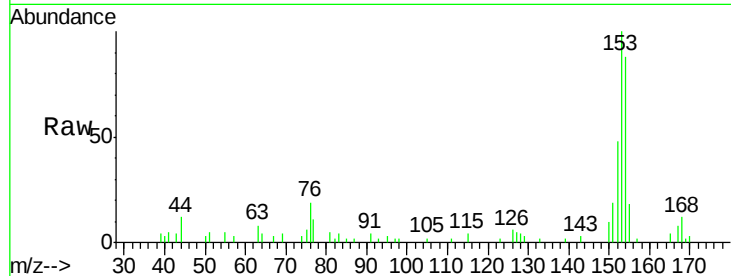
Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

ClientSampleId :

D9E82



Tgt Ion:153 Resp: 24039

Ion Ratio Lower Upper

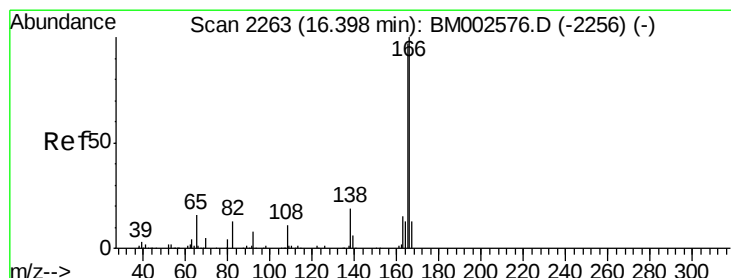
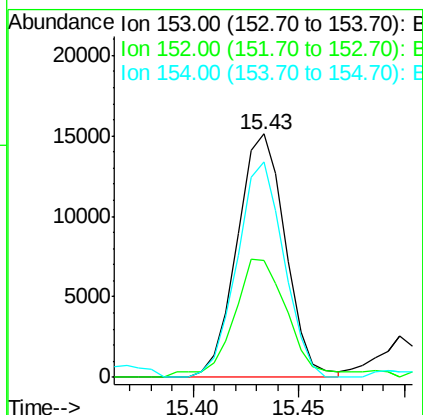
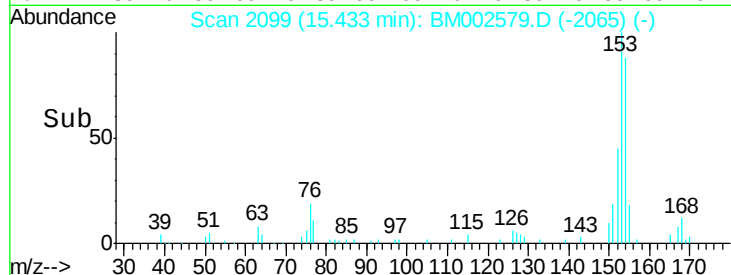
153 100

152 47.8 36.9 55.3

154 88.4 71.3 106.9

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 PM



#11

Fluorene

Concen: 1.65 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

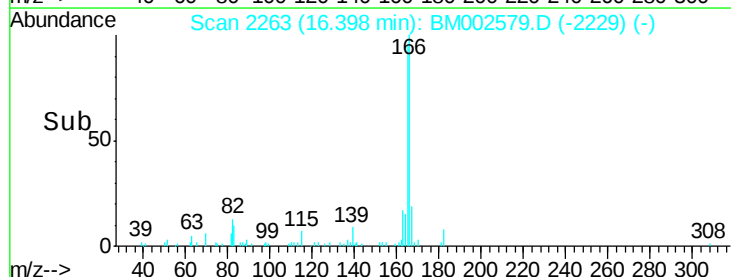
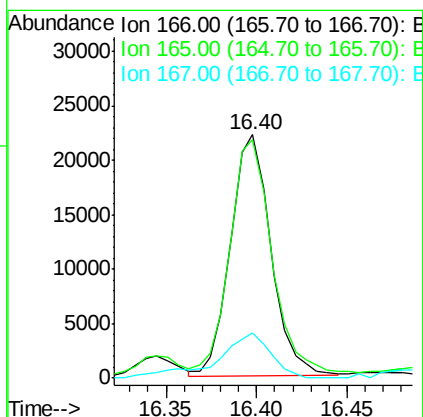
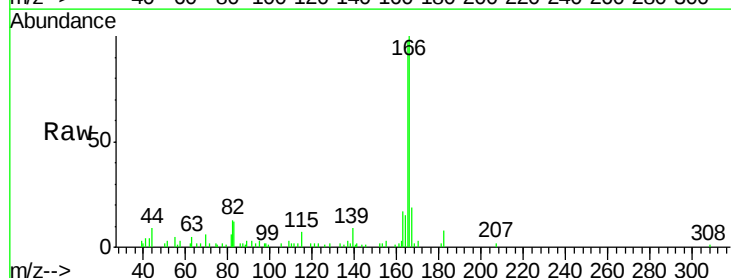
Tgt Ion:166 Resp: 34458

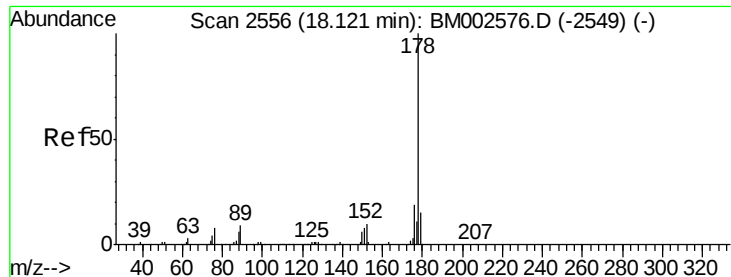
Ion Ratio Lower Upper

166 100

165 97.7 77.6 116.4

167 18.6 10.7 16.1#





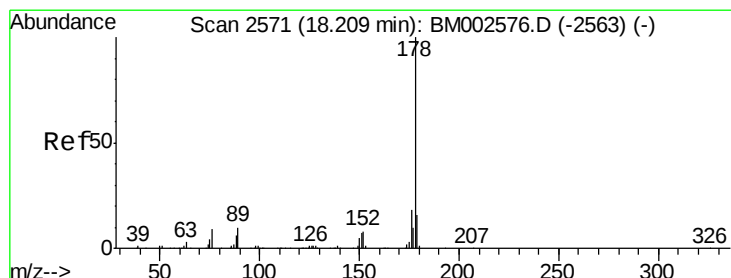
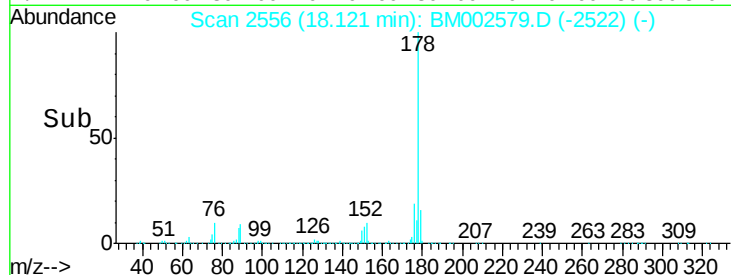
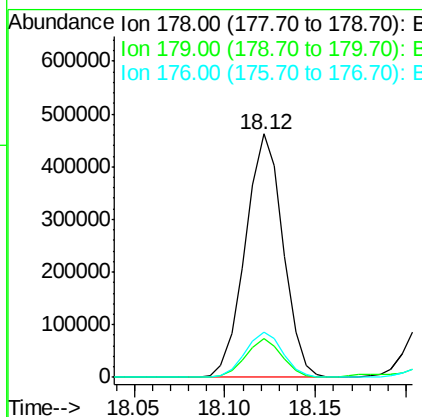
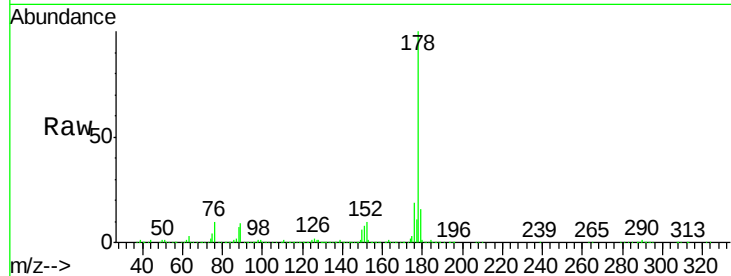
#13
Phenanthrene
Concen: 24.20 ng/ul
RT: 18.12 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Instrument :
BNA_M
ClientSampleId :
D9E82

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	665819		
179	15.8	12.4	18.6	
176	18.8	15.1	22.7	

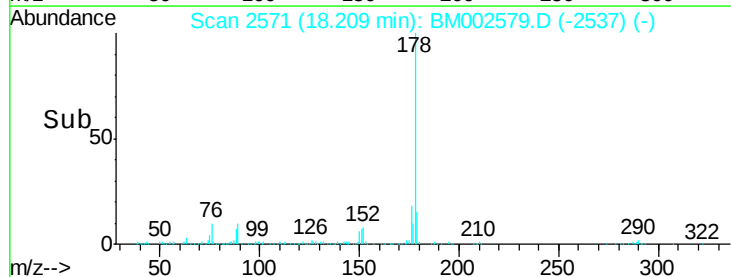
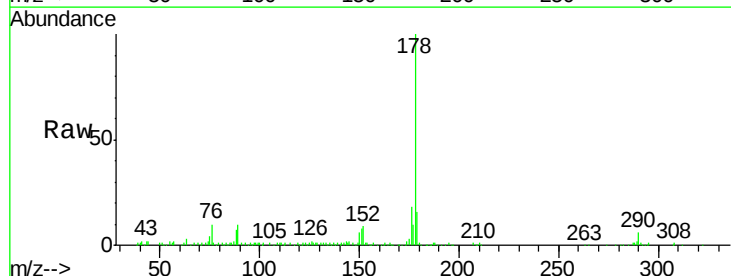
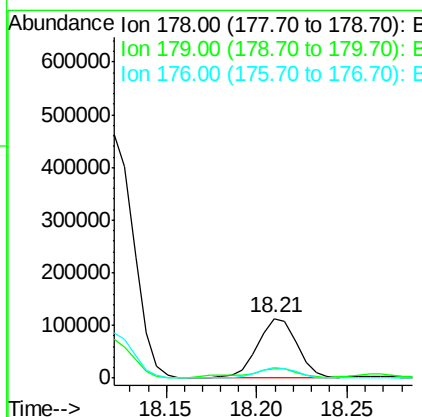
Manual Integrations
APPROVED

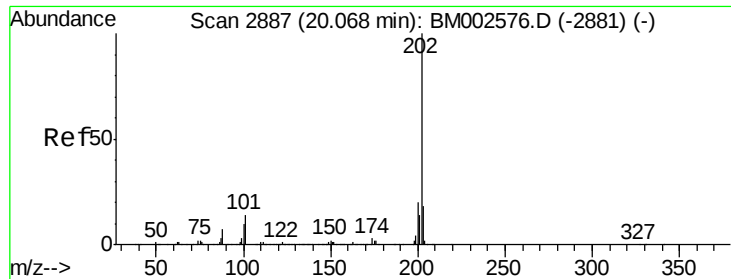
MMDadoda
8/31/2015 1:51:54 PM



#15
Anthracene
Concen: 6.12 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. 0.00 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	170560		
179	15.6	12.6	18.8	
176	18.4	14.5	21.7	





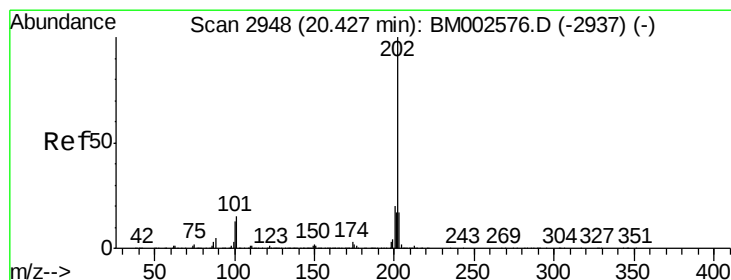
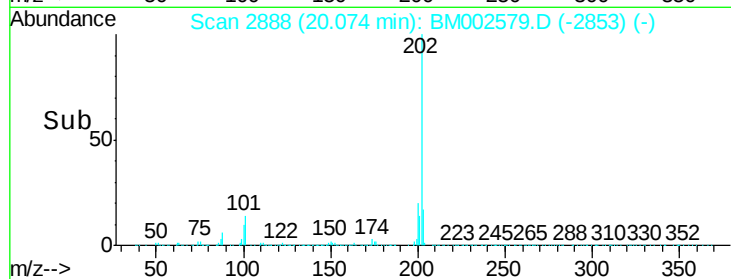
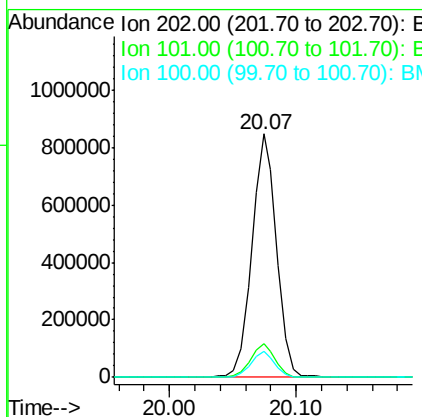
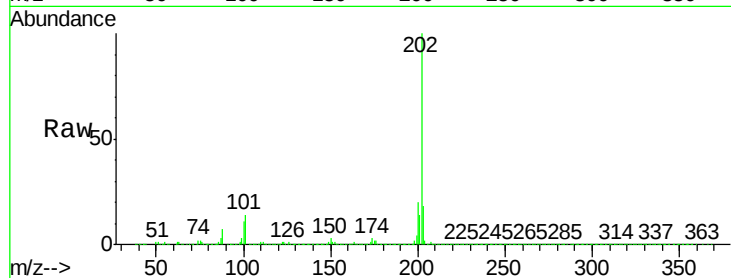
#16
Fluoranthene
 Concen: 36.54 ng/ul
 RT: 20.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: BM002579.D
 Acq: 29 Aug 2015 23:58

Instrument :
 BNA_M
 ClientSampleId :
 D9E82

Tgt Ion:	202	Resp:	1138293
Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.5	7.4	11.2

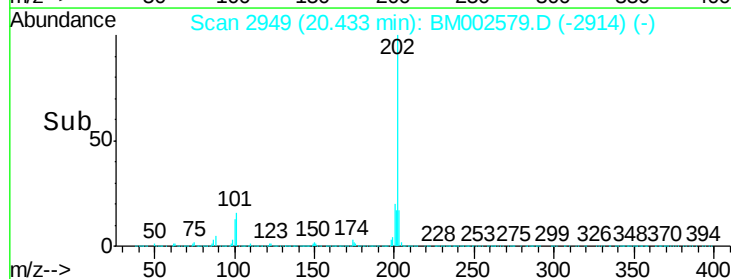
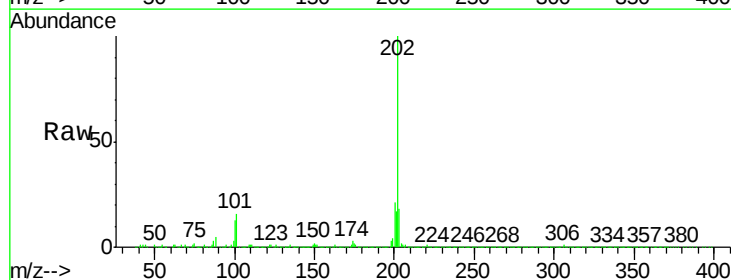
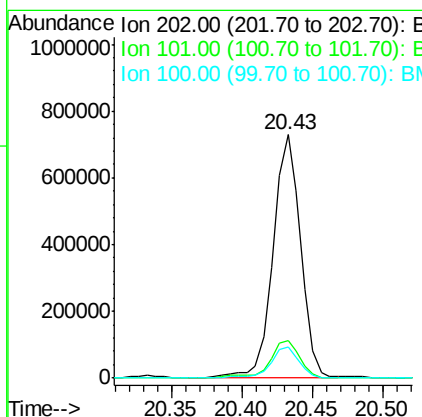
Manual Integrations
 APPROVED

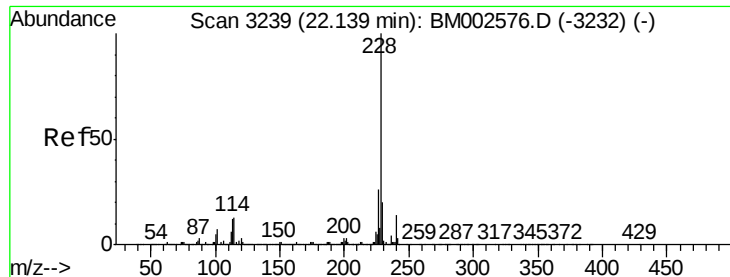
MMDadoda
 8/31/2015 1:51:54 PM



#19
Pyrene
 Concen: 33.98 ng/ul
 RT: 20.43 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BM002579.D
 Acq: 29 Aug 2015 23:58

Tgt Ion:	202	Resp:	987317
Ion	Ratio	Lower	Upper
202	100		
101	15.6	12.0	18.0
100	12.8	9.7	14.5





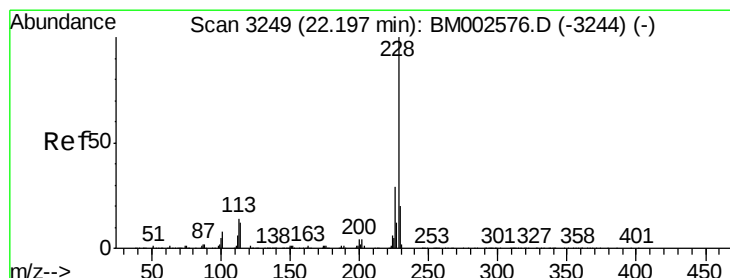
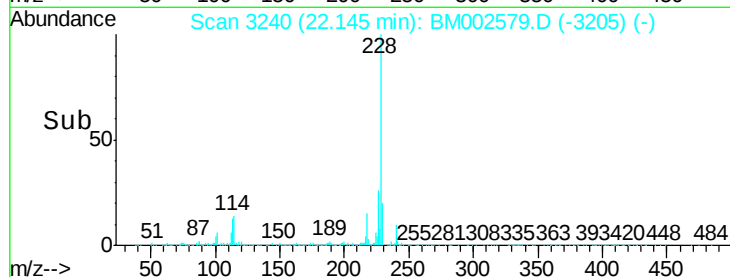
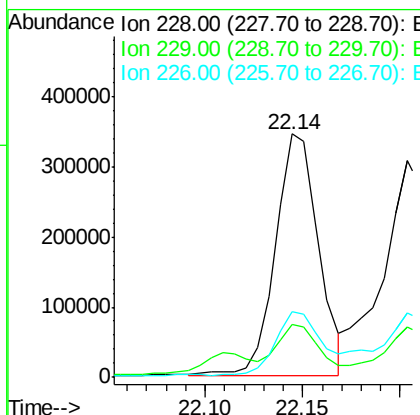
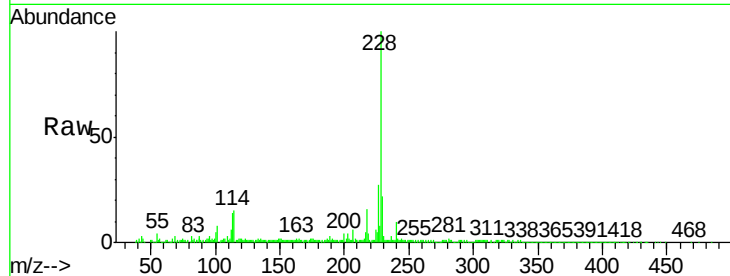
#20
Benzo(a)anthracene
Concen: 17.79 ng/ul
RT: 22.14 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Instrument :
BNA_M
ClientSampleId :
D9E82

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	527593		
229	21.5	15.8	23.6	
226	26.7	21.1	31.7	

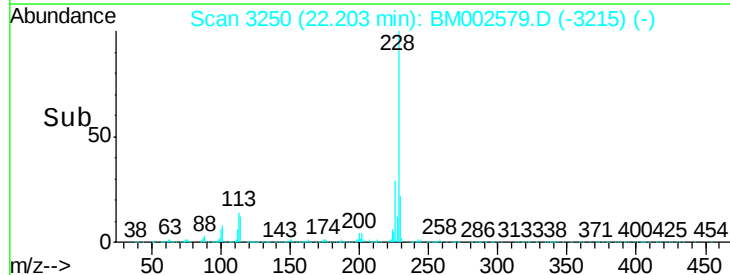
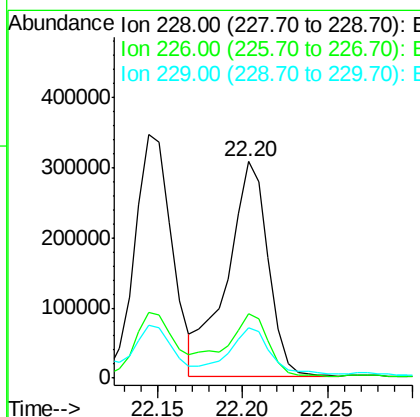
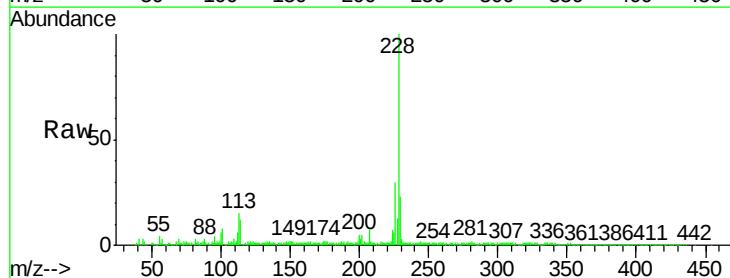
Manual Integrations
APPROVED

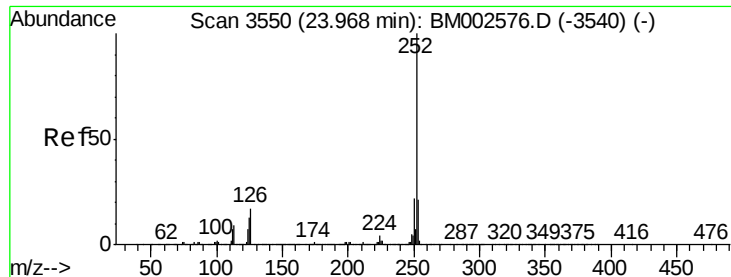
MMDadoda
8/31/2015 1:51:54 PM



#21
Chrysene
Concen: 18.55 ng/ul
RT: 22.20 min Scan# 3250
Delta R.T. 0.01 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	514646		
226	29.8	23.4	35.2	
229	23.1	15.7	23.5	





#23

Benzo(b)fluoranthene

Concen: 23.47 ng/ul

RT: 23.99 min Scan# 3553

Delta R.T. 0.02 min

Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Instrument :

BNA_M

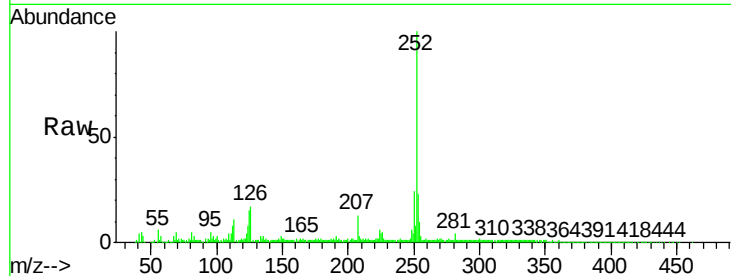
ClientSampleId :

D9E82

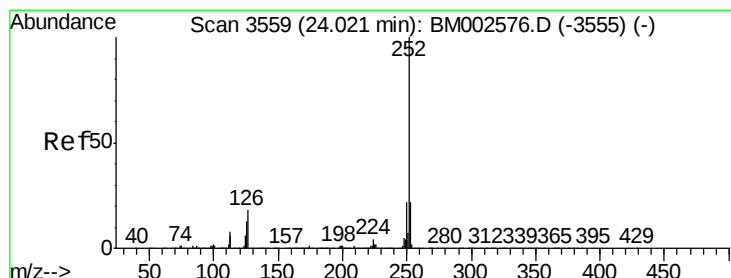
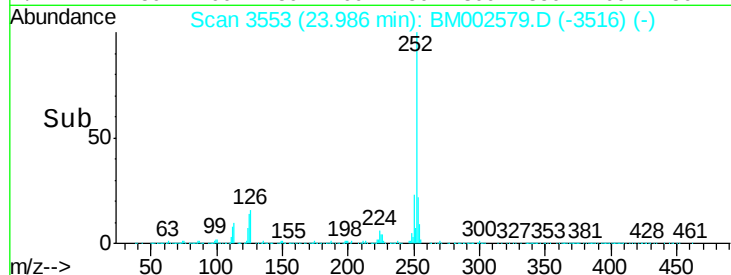
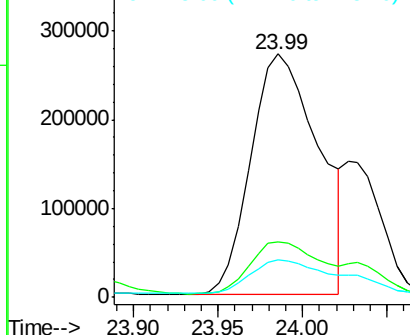
Tgt	Ion	252	Resp:	753226
	Ratio	Lower	Upper	
252	100			
253	23.0	17.4	26.0	
125	15.3	10.0	15.0	

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 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



#24

Benzo(k)fluoranthene

Concen: 7.82 ng/ul m

RT: 24.03 min Scan# 3560

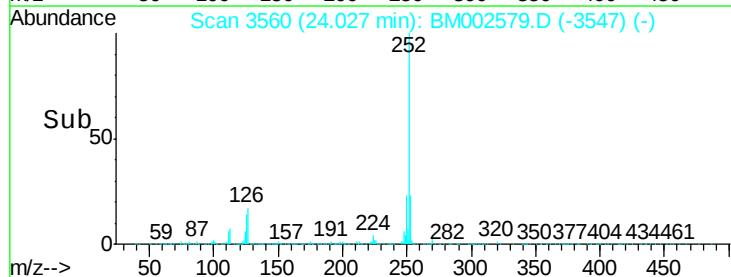
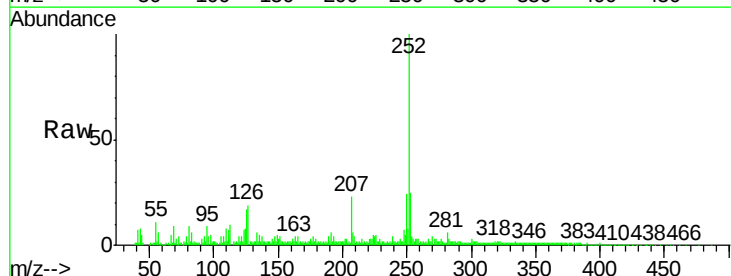
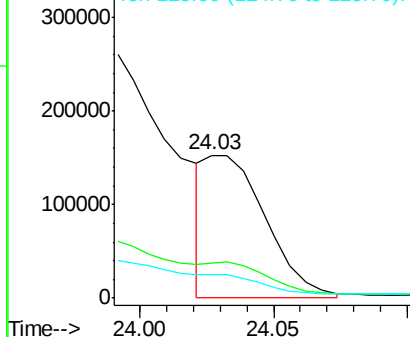
Delta R.T. 0.01 min

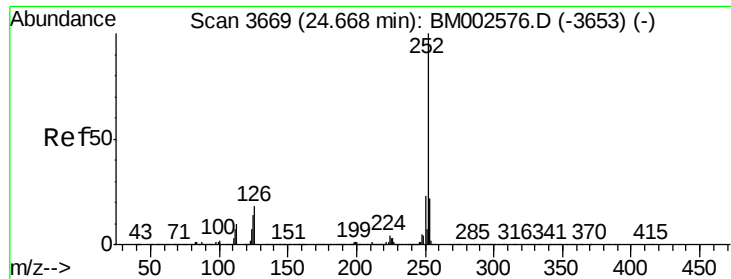
Lab File: BM002579.D

Acq: 29 Aug 2015 23:58

Tgt	Ion	252	Resp:	237728
	Ratio	Lower	Upper	
252	100			
253	24.9	17.8	26.6	
125	16.7	9.8	14.8	

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





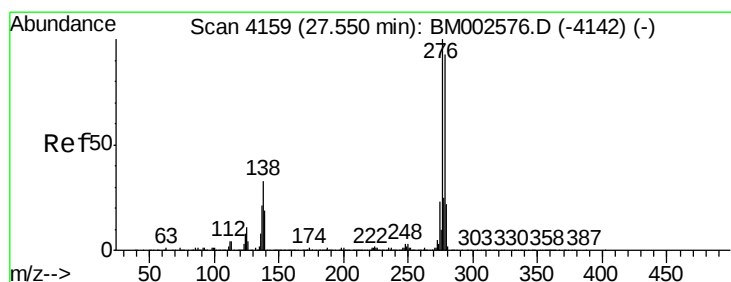
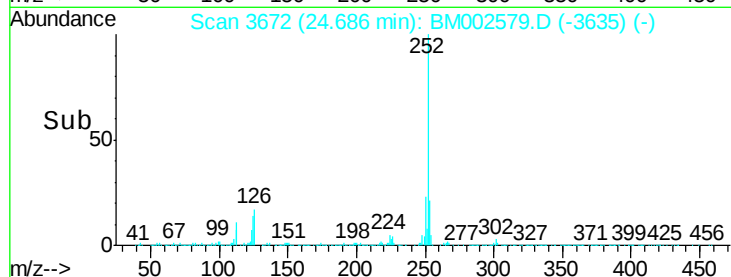
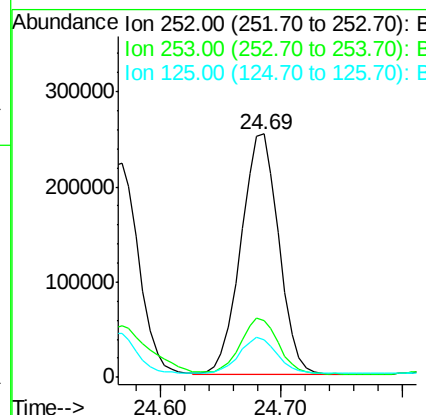
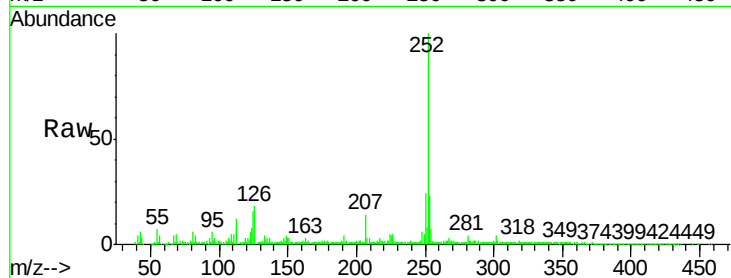
#26
Benzo(a)pyrene
Concen: 17.97 ng/ul
RT: 24.69 min Scan# 3672
Delta R.T. 0.02 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Instrument :
BNA_M
ClientSampleId :
D9E82

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.4	17.6	26.4
125	15.5	10.7	16.1

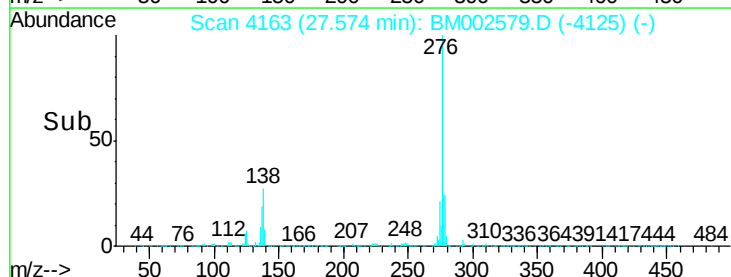
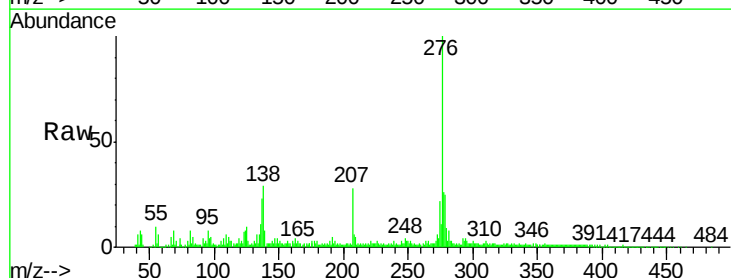
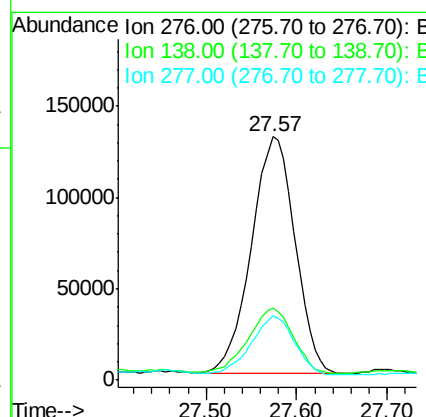
Manual Integrations
APPROVED

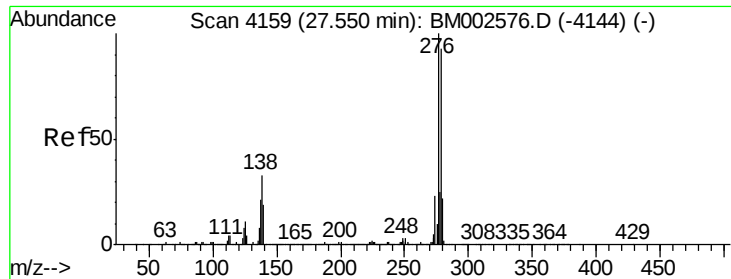
MMDadoda
8/31/2015 1:51:54 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 12.32 ng/ul
RT: 27.57 min Scan# 4163
Delta R.T. 0.02 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.5	25.3	37.9
277	26.3	20.2	30.2





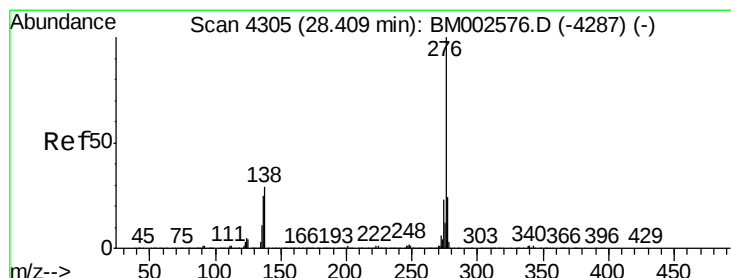
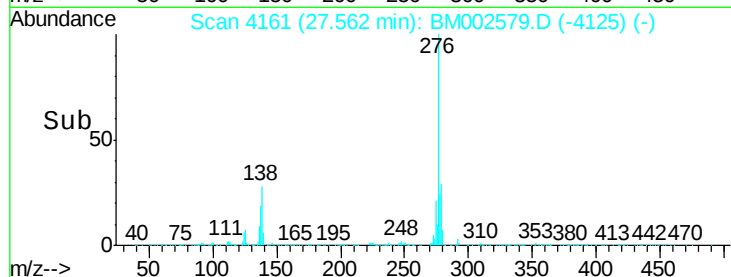
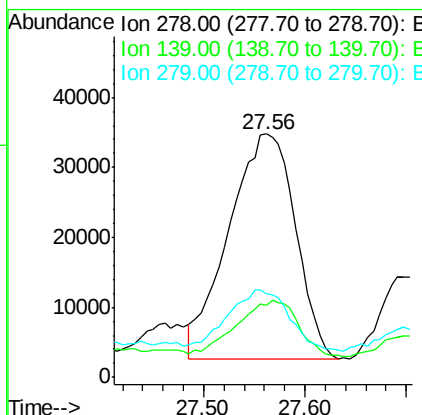
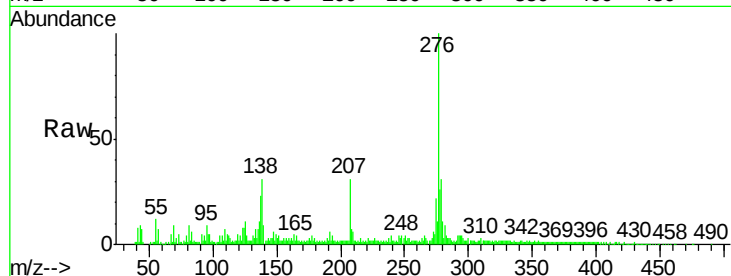
#28
Dibenzo(a,h)anthracene
Concen: 5.02 ng/ul
RT: 27.56 min Scan# 4161
Delta R.T. 0.01 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Instrument :
BNA_M
ClientSampleId :
D9E82

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	147958		
139	29.6	16.5	24.7#	
279	34.6	18.8	28.2#	

Manual Integrations
APPROVED

MMDadoda
8/31/2015 1:51:54 PM



#29
Benzo(g,h,i)perylene
Concen: 19.16 ng/ul
RT: 28.45 min Scan# 4312
Delta R.T. 0.04 min
Lab File: BM002579.D
Acq: 29 Aug 2015 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	562338		
138	30.2	21.0	31.6	
277	25.3	19.2	28.8	

