Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032416\
Data File : BM004763.D
Acq On : 24 Mar 2016 23:13
Operator : UM/SJ
Sample : H1909-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4T45

Manual Integrations APPROVED
Sohil
3/25/2016 2:59:50 PM

Quant Time: Mar 25 02:51:28 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 03:18:48 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1214	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	4974	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	2601	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	5428m	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	4870	5.00	ng/ul	-0.01
22) Perylene-d12	23.69	264	3538m	5.00	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	5245	8.91	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	1608	0.28	ng/ul	-0.01
16) Fluoranthene-d10	19.24	212	3357	0.31	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.67	128	2924	0.25	ng/ul#	92
7) 2-Methylnaphthalene	12.28	142	710	0.10	ng/ul	99
9) Acenaphthylene	14.18	152	1700	0.18	ng/ul#	93
10) Acenaphthene	14.52	153	1470	0.17	ng/ul	87
11) Fluorene	15.51	166	2162m	0.24	ng/ul	
14) Phenanthrene	17.24	178	37785	2.52	ng/ul	95
15) Anthracene	17.33	178	8933	0.73	ng/ul	96
17) Fluoranthene	19.27	202	62048	4.03	ng/ul	98
19) Pyrene	19.63	202	55633	3.28	ng/ul	97
20) Benzo(a)anthracene	21.38	228	27375	2.37	ng/ul	95
21) Chrysene	21.43	228	24996	1.58	ng/ul	96
23) Benzo(b)fluoranthene	22.99	252	32665m	2.58	ng/ul	
24) Benzo(k)fluoranthene	23.03	252	8987m	0.70	ng/ul	
25) Benzo(a)pyrene	23.58	252	21392m	2.01	ng/ul	
26) Indeno(1,2,3-cd)pyrene	26.01	276	11631m	0.99	ng/ul	
27) Dibenzo(a,h)anthracene	26.02	278	2905m	0.32	ng/ul	
28) Benzo(g,h,i)perylene	26.71	276	10921m	0.98	ng/ul	

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

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Manual Integrations APPROVED
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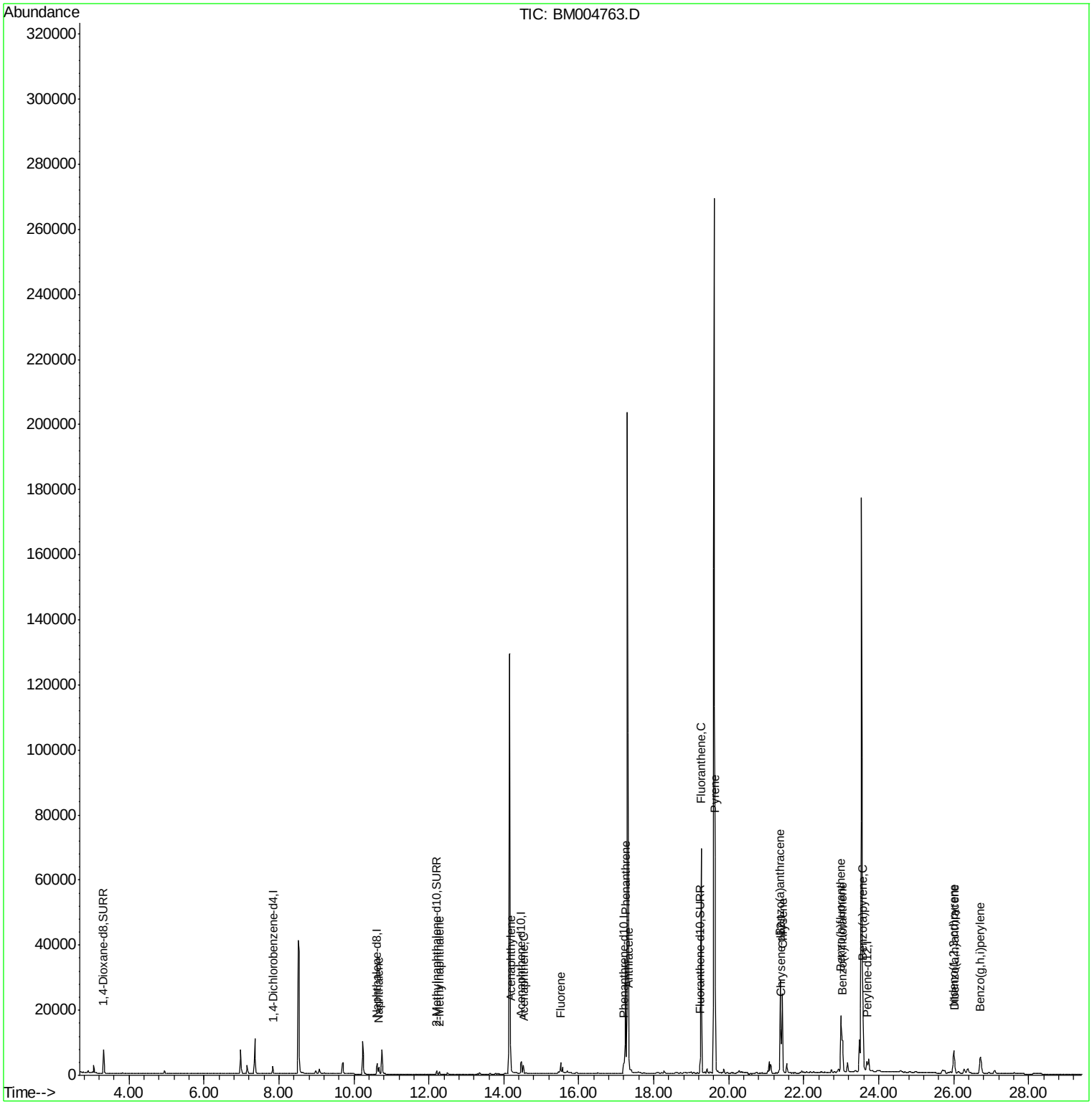
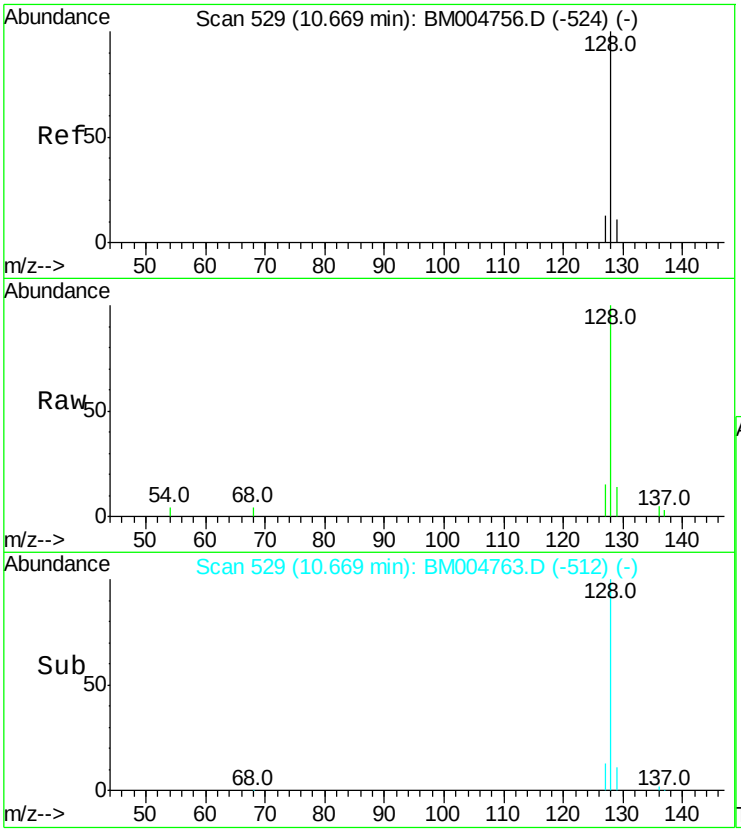
3/25/2016 2:59:50 PM

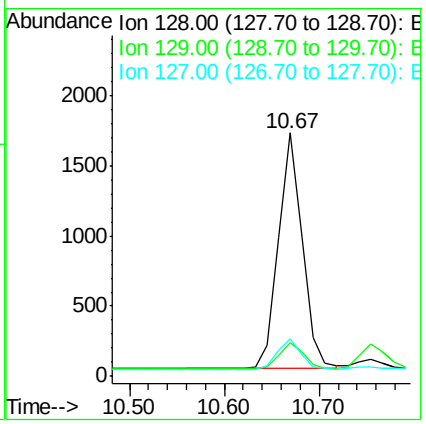




#5
Naphthalene
Concen: 0.25 ng/ul
RT: 10.67 min Scan# 529
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:128 Resp: 2924

Ion	Ratio	Lower	Upper
128	100		
129	14.0	9.0	13.6#
127	15.3	9.6	14.4#



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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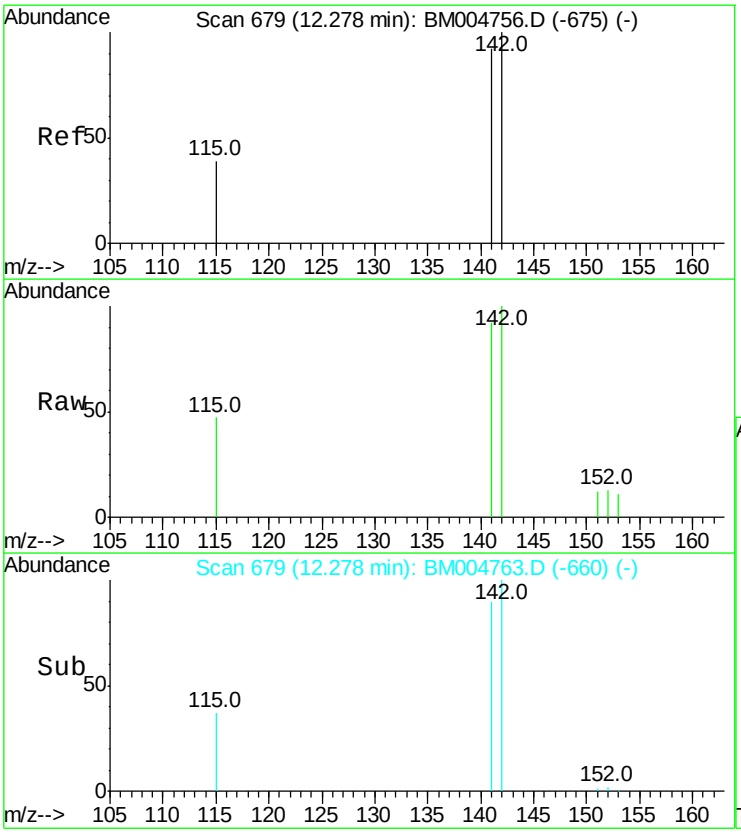
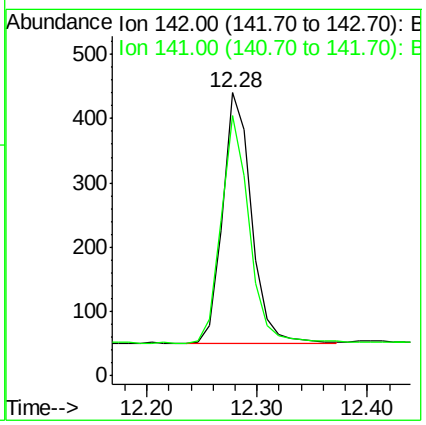
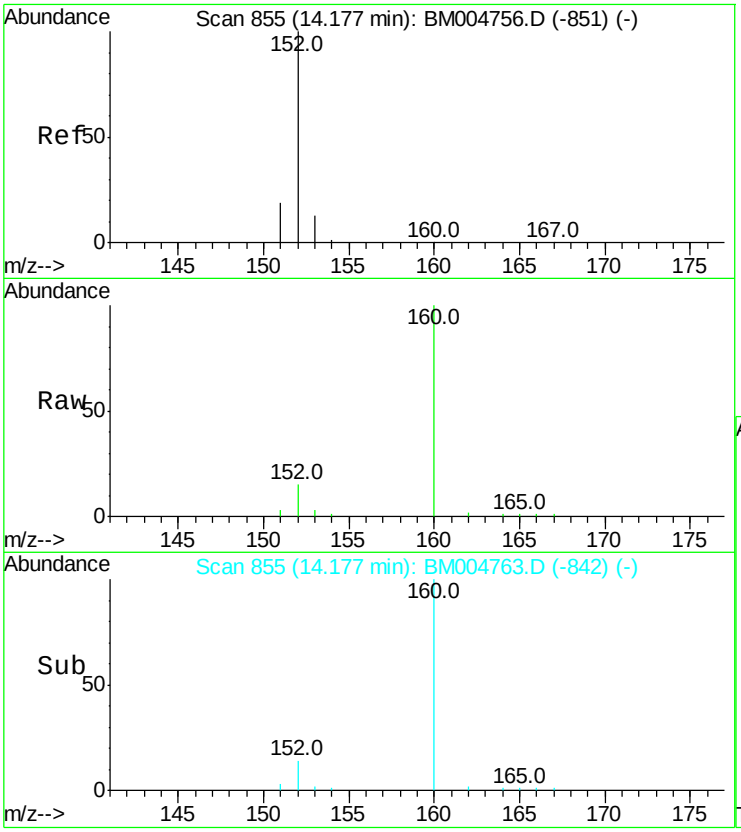


#7
2-Methylnaphthalene
Concen: 0.10 ng/ul
RT: 12.28 min Scan# 679
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:142 Resp: 710

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.3	105.5

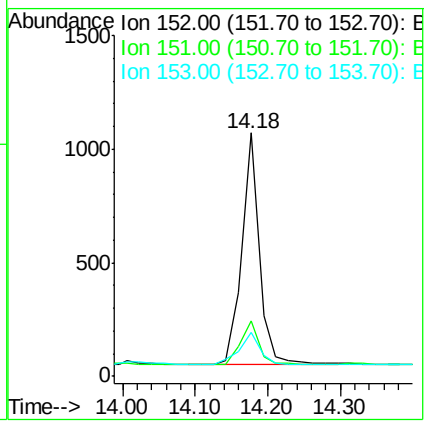




#9
Acenaphthylene
Concen: 0.18 ng/ul
RT: 14.18 min Scan# 855
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:152 Resp: 1700

Ion	Ratio	Lower	Upper
152	100		
151	22.9	17.6	26.4
153	18.3	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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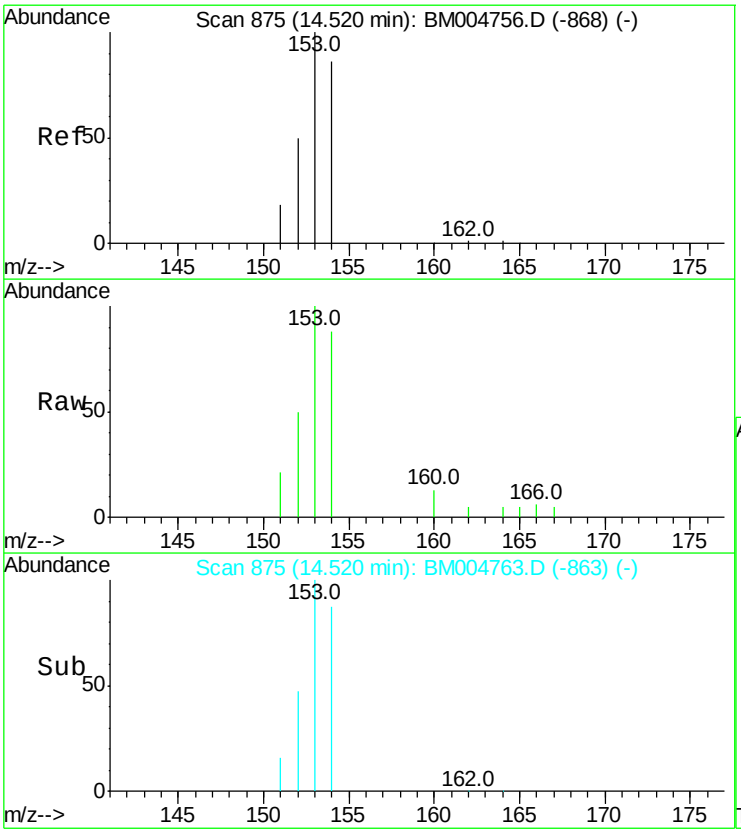
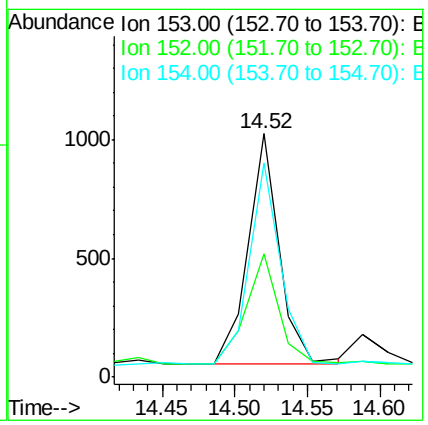
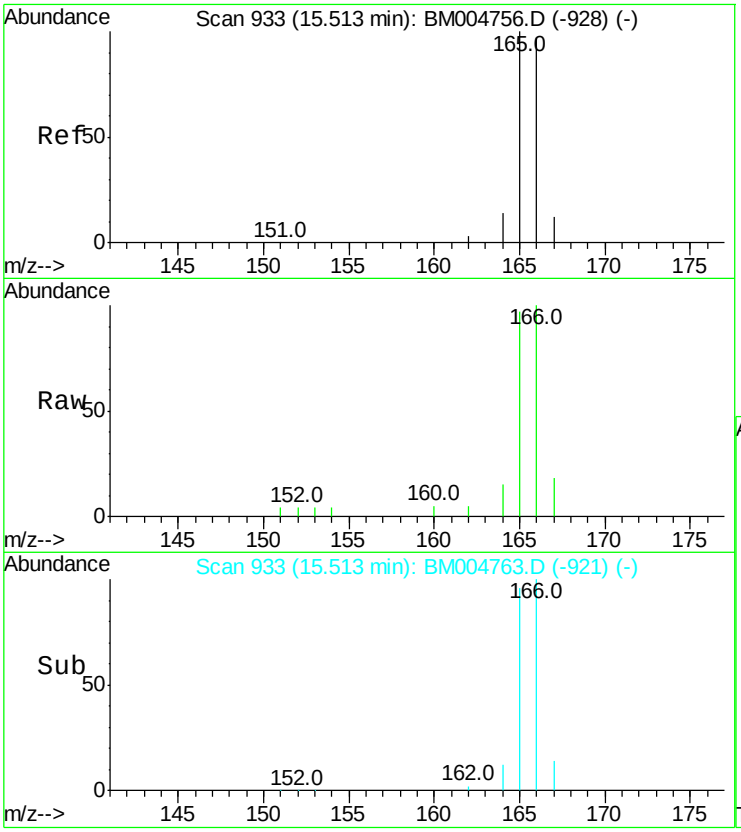


#10
Acenaphthene
Concen: 0.17 ng/ul
RT: 14.52 min Scan# 875
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:153 Resp: 1470

Ion	Ratio	Lower	Upper
153	100		
152	50.4	33.9	50.9
154	87.9	80.6	121.0

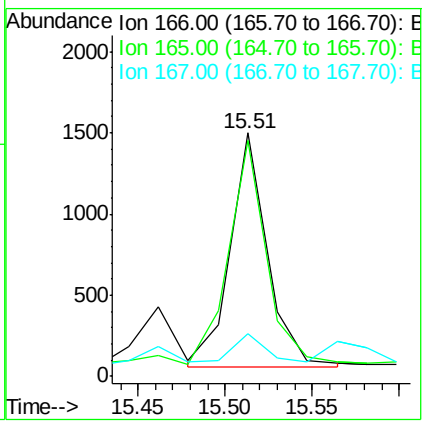




#11
Fluorene
Concen: 0.24 ng/ul m
RT: 15.51 min Scan# 933
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:166 Resp: 2162

Ion	Ratio	Lower	Upper
166	100		
165	96.7	69.6	104.4
167	17.6	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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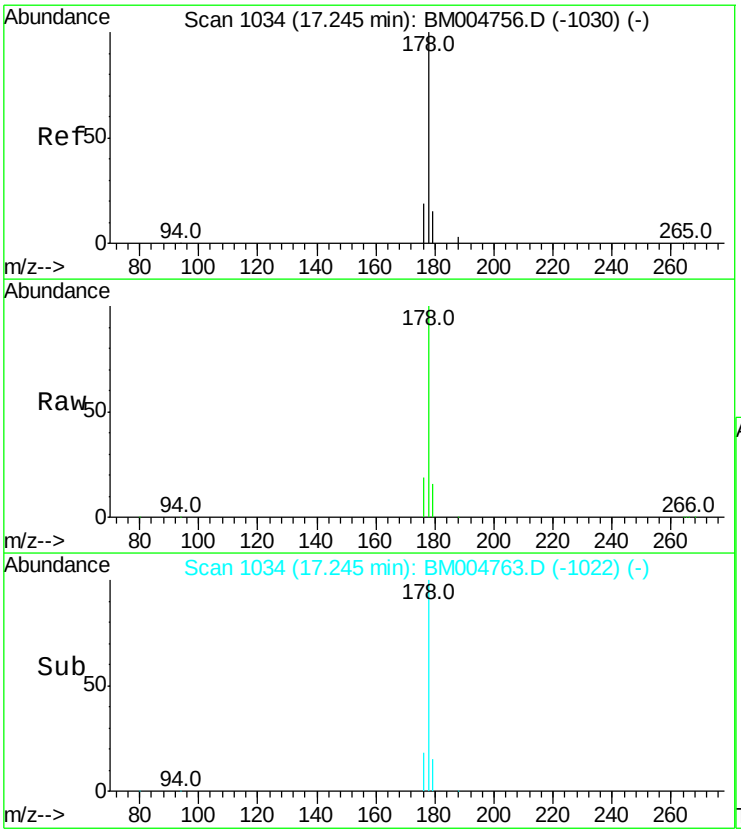
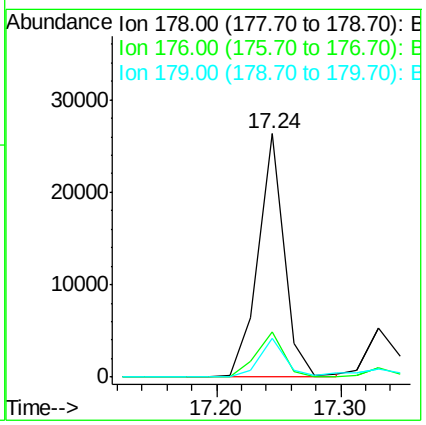
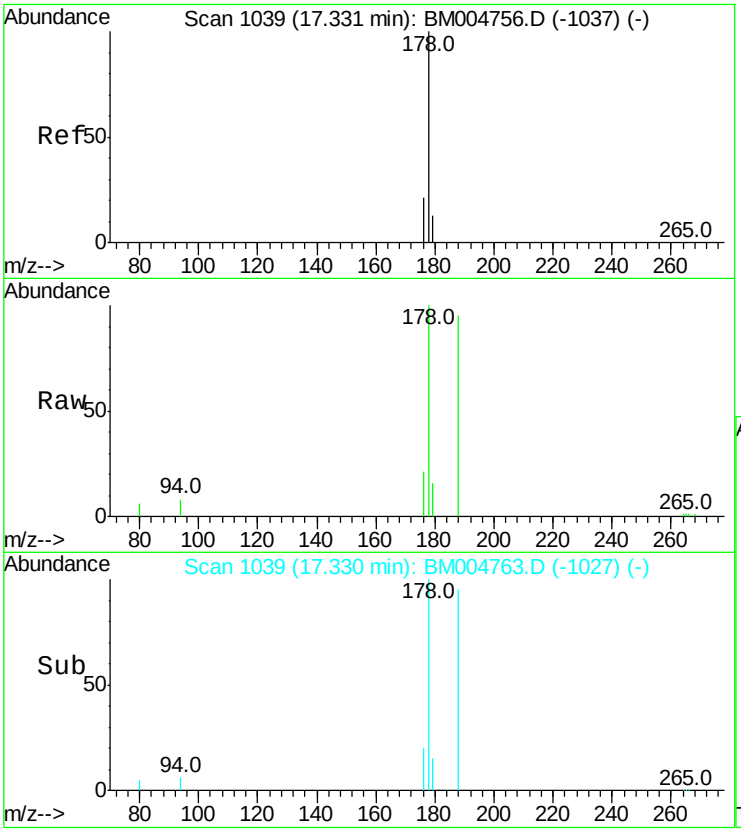


#14
Phenanthrene
Concen: 2.52 ng/ul
RT: 17.24 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:178 Resp: 37785

Ion	Ratio	Lower	Upper
178	100		
176	18.6	13.0	19.4
179	15.7	14.2	21.2

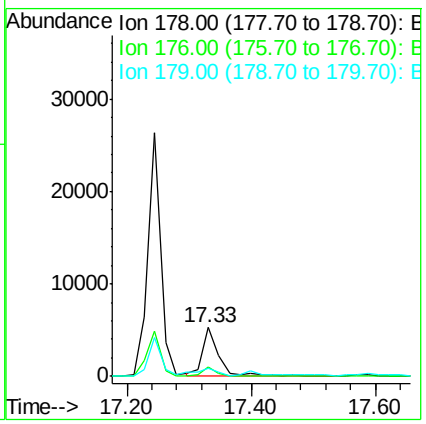




#15
Anthracene
Concen: 0.73 ng/ul
RT: 17.33 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:178 Resp: 8933

Ion	Ratio	Lower	Upper
178	100		
176	20.5	14.0	21.0
179	15.9	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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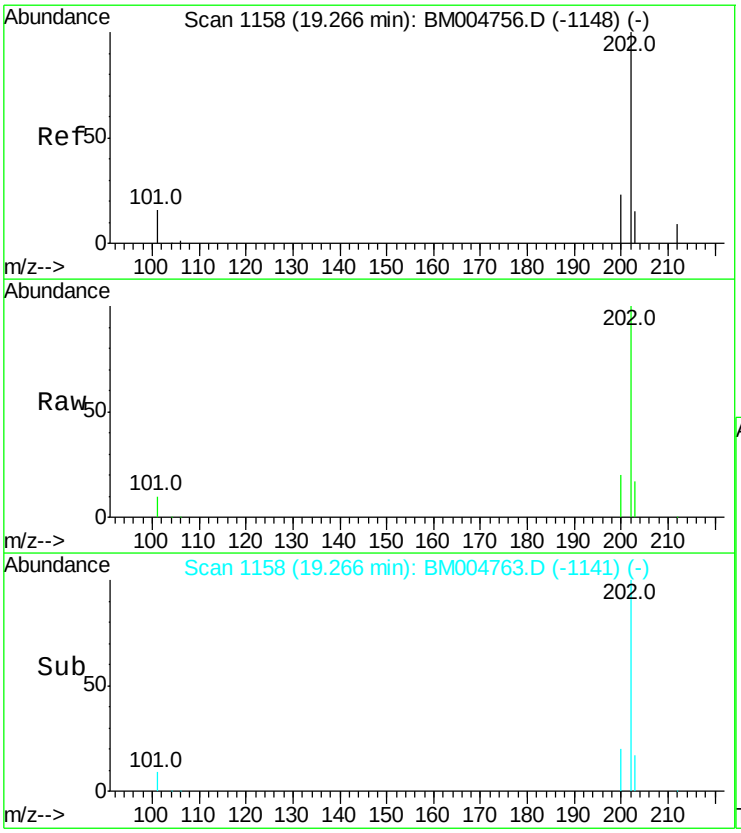
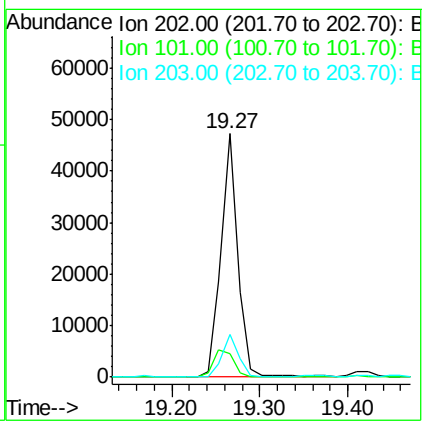
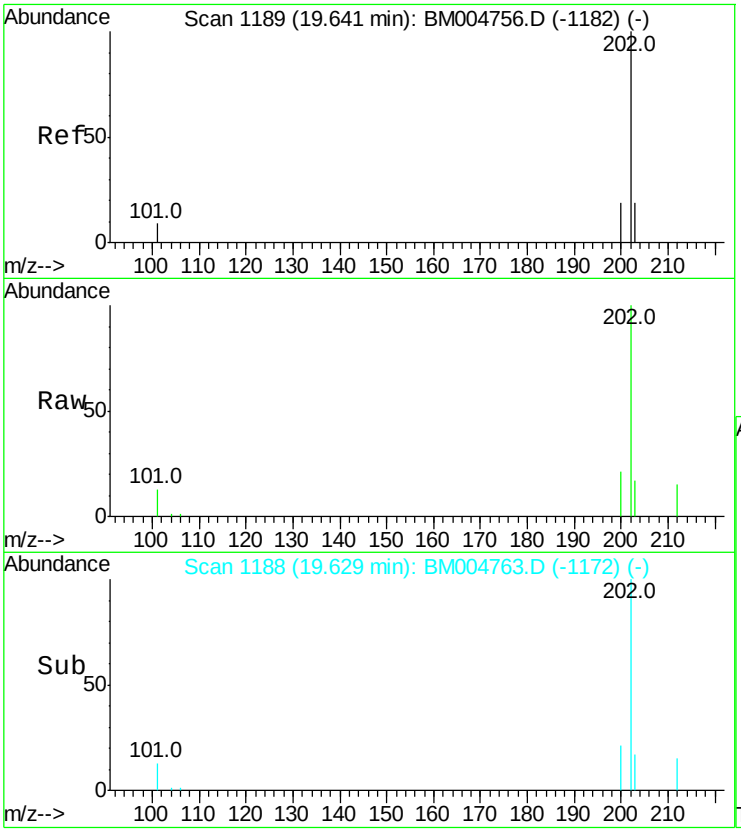


#17
Fluoranthene
Concen: 4.03 ng/ul
RT: 19.27 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:202 Resp: 62048

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.6
203	17.3	0.0	36.3

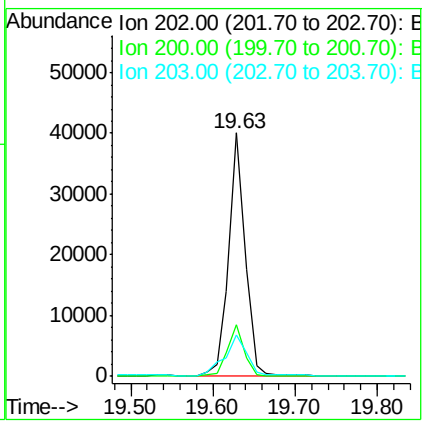




#19
Pyrene
Concen: 3.28 ng/ul
RT: 19.63 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:202 Resp: 55633

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.8
203	17.1	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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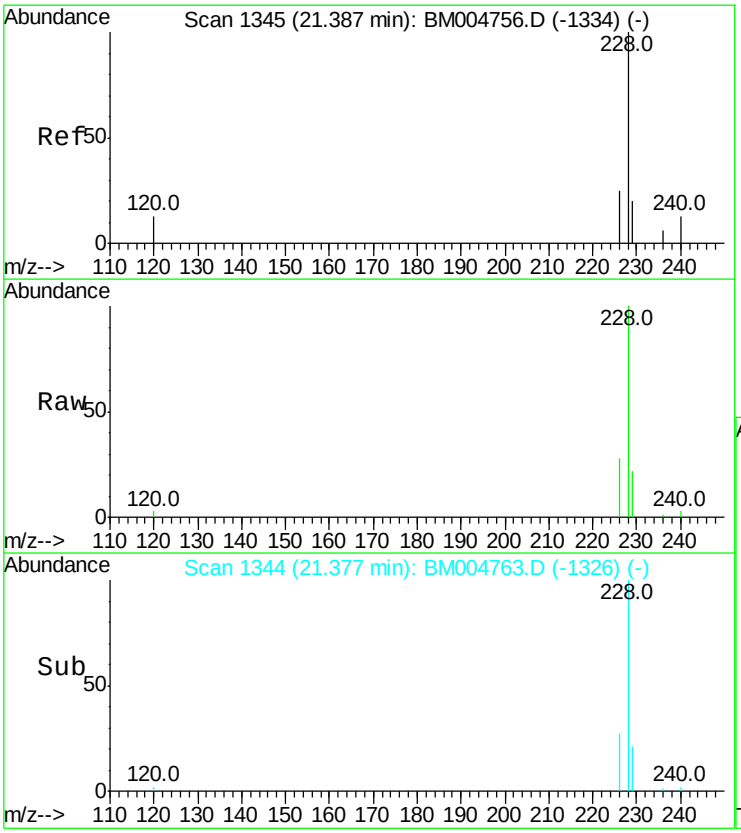
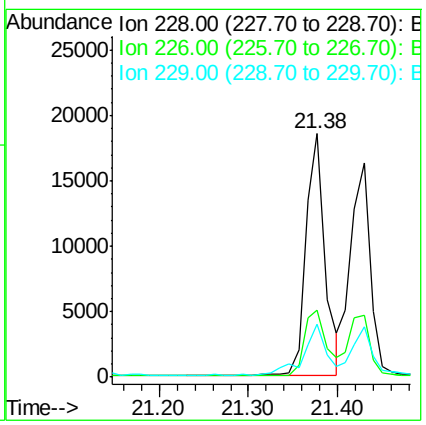
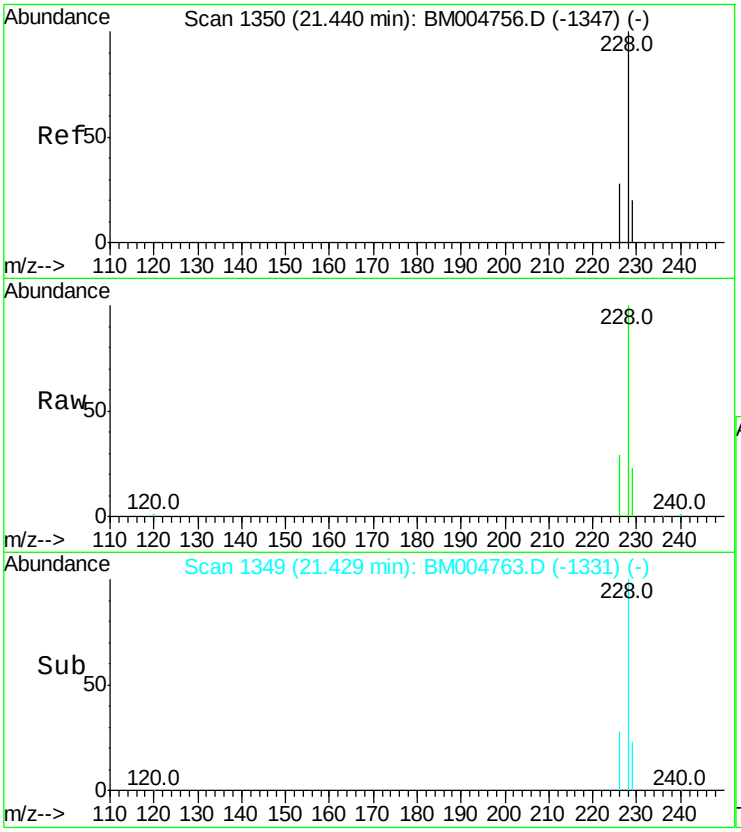


#20
Benzo(a)anthracene
Concen: 2.37 ng/ul
RT: 21.38 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:228 Resp: 27375

Ion	Ratio	Lower	Upper
228	100		
226	27.7	18.8	28.2
229	21.7	17.1	25.7

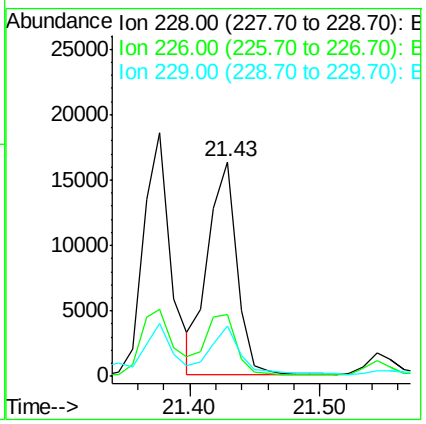




#21
Chrysene
Concen: 1.58 ng/ul
RT: 21.43 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:228 Resp: 24996

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.2	31.8
229	23.2	17.0	25.6



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
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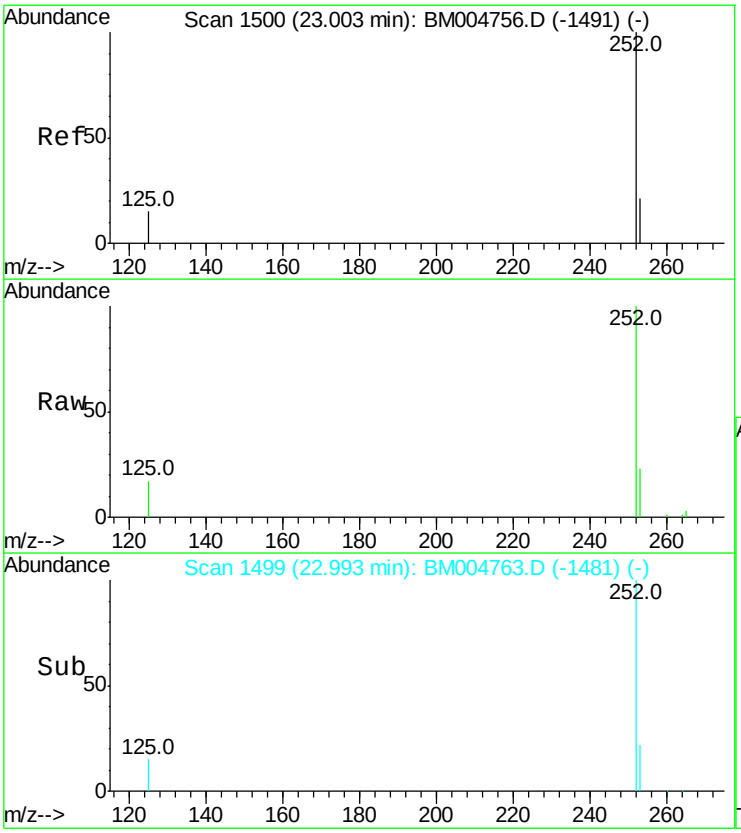
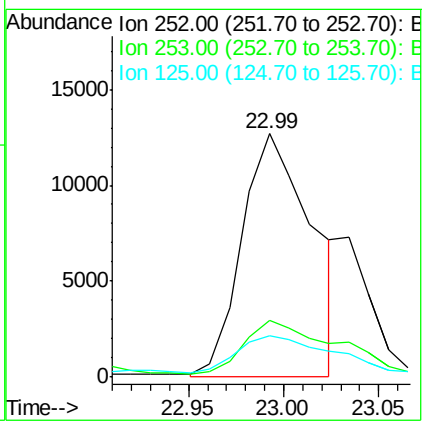
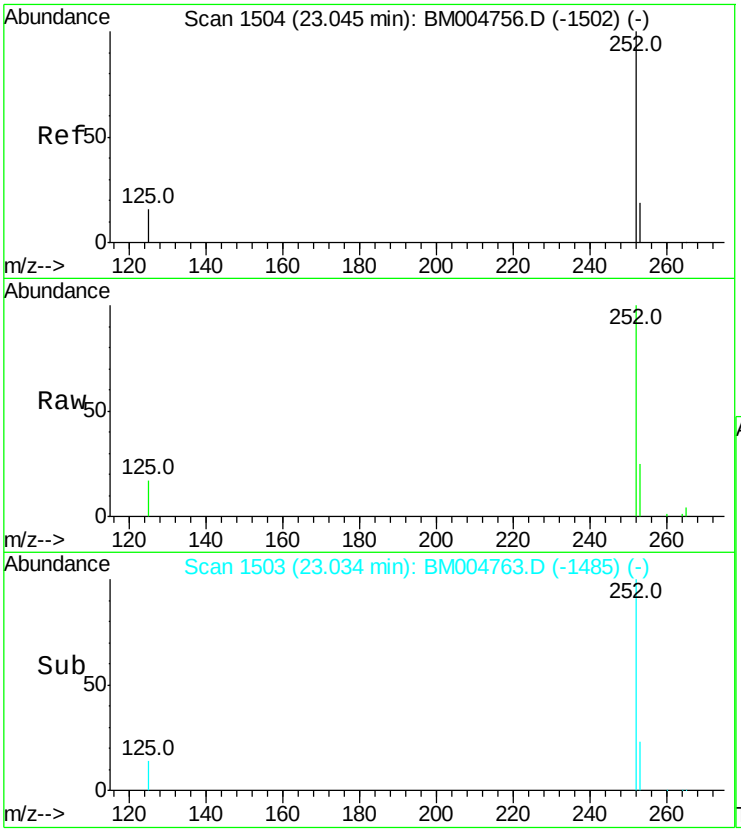


#23
Benzo(b)fluoranthene
Concen: 2.58 ng/ul m
RT: 22.99 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:252 Resp: 32665

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	45.4
125	16.8	0.0	28.8

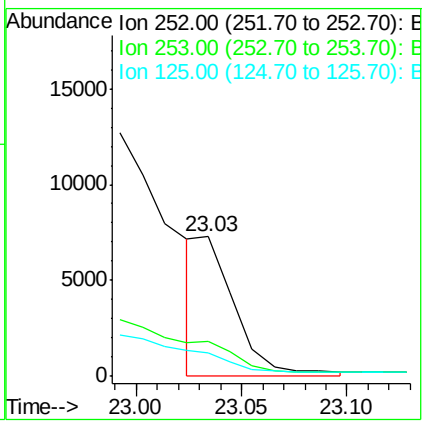




#24
Benzo(k)fluoranthene
Concen: 0.70 ng/ul m
RT: 23.03 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:252 Resp: 8987

Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.8	29.8
125	17.1	10.4	15.6#



Instrument :
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ClientSampleId :
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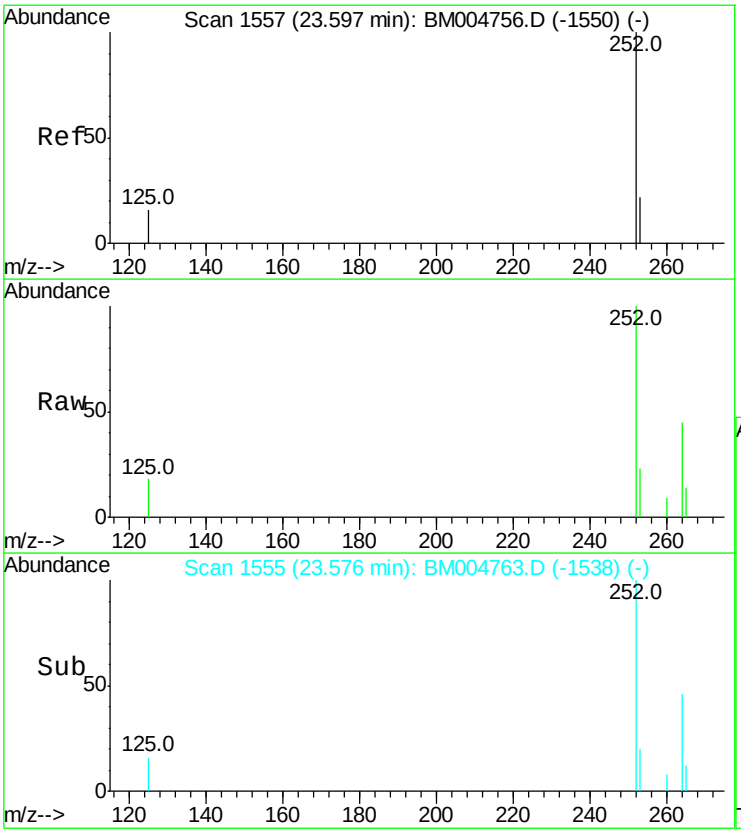
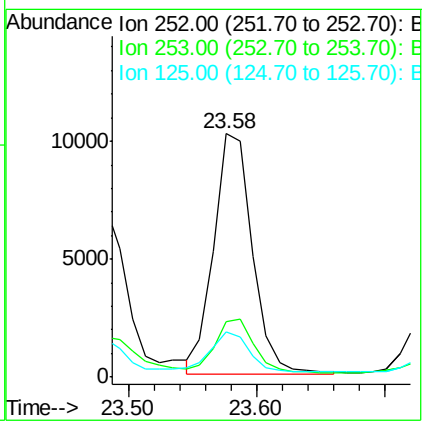
3/25/2016 2:59:50 PM

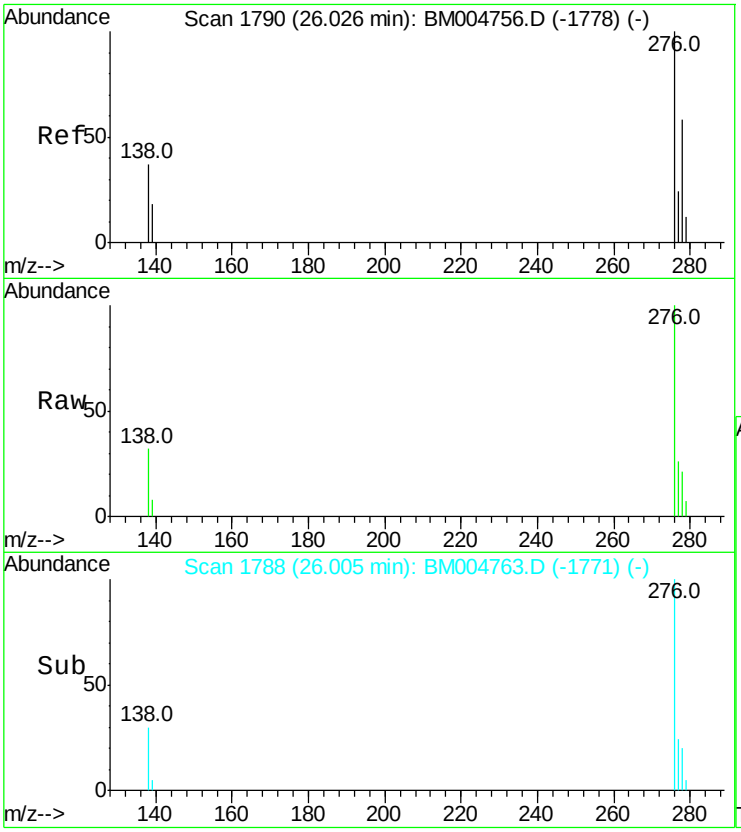


#25
Benzo(a)pyrene
Concen: 2.01 ng/ul m
RT: 23.58 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:252 Resp: 21392

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.2
125	18.4	12.7	19.1

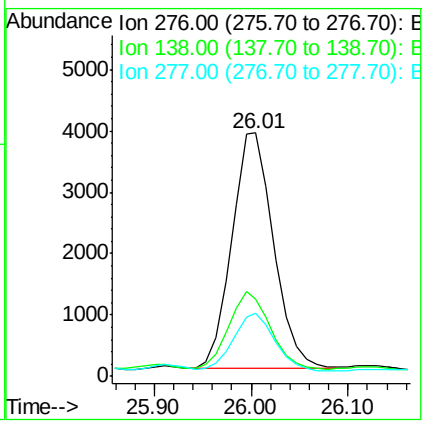




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.99 ng/ul m
RT: 26.01 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

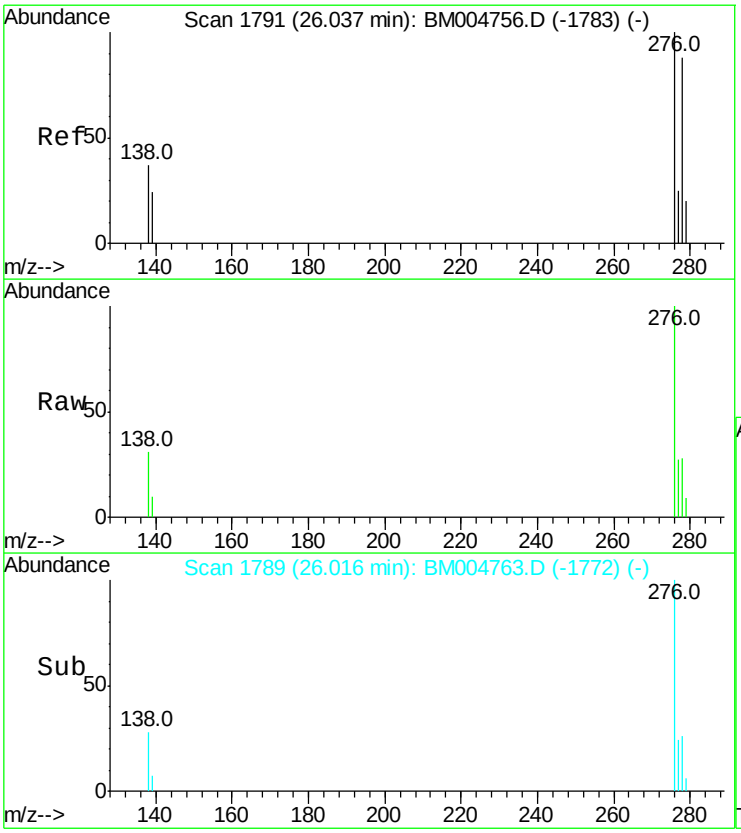
Tgt Ion:276 Resp: 11631

Ion	Ratio	Lower	Upper
276	100		
138	2.9	16.3	24.5#
277	3.3	19.8	29.8#



Instrument :
BNA_M
ClientSampleId :
A4T45

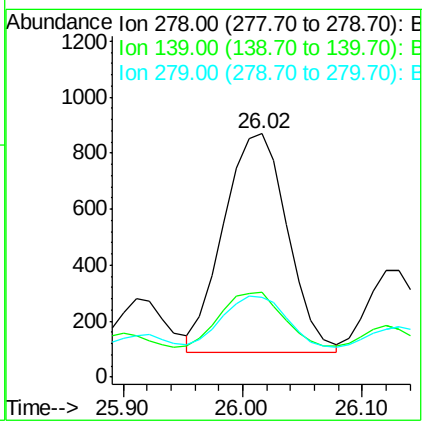
Manual Integrations APPROVED
Sohil
3/25/2016 2:59:50 PM

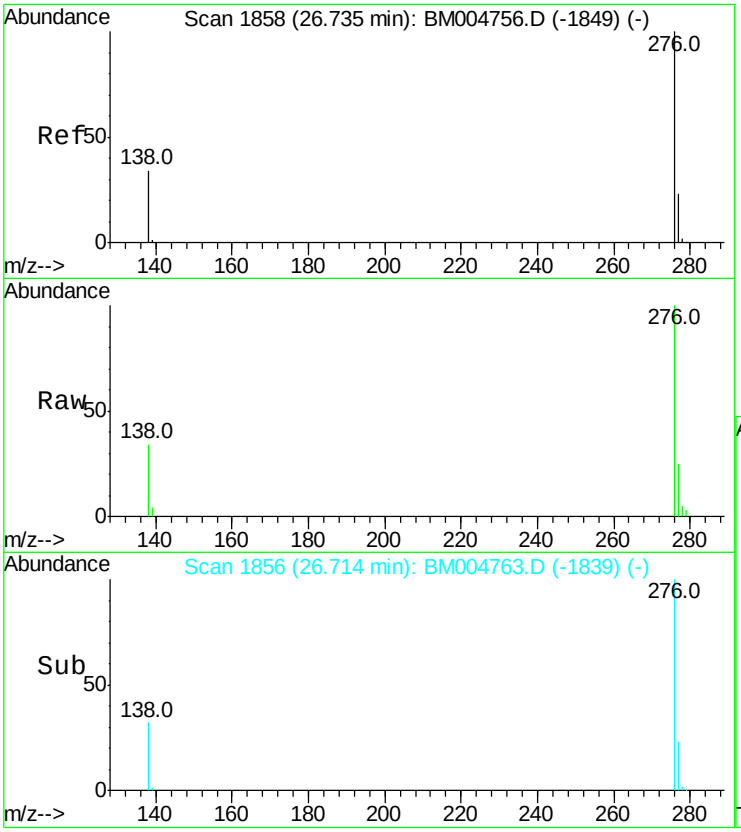


#27
Dibenzo(a,h)anthracene
Concen: 0.32 ng/ul m
RT: 26.02 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:278 Resp: 2905

Ion	Ratio	Lower	Upper
278	100		
139	34.7	16.4	24.6#
279	33.0	20.2	30.2#

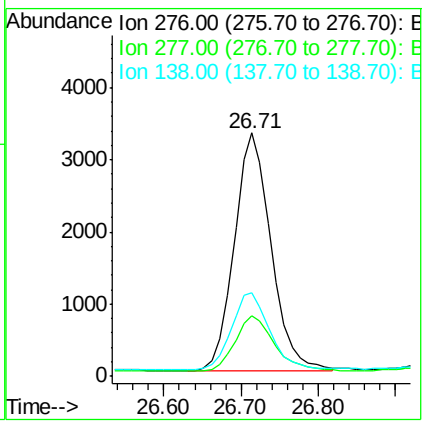




#28
Benzo(g,h,i)perylene
Concen: 0.98 ng/ul m
RT: 26.71 min Scan# 1856
Delta R.T. -0.02 min
Lab File: BM004763.D
Acq: 24 Mar 2016 23:13

Tgt Ion:276 Resp: 10921

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	34.2	22.5	33.7#



Instrument :
BNA_M
ClientSampleId :
A4T45

Manual Integrations APPROVED
Sohil
3/25/2016 2:59:50 PM