Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
Data File : BM003584.D
Acq On : 16 Dec 2015 19:06
Operator : UM/IZ
Sample : G4767-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9N30

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:06 PM

Quant Time: Dec 17 07:46:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3836	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	15556	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	9689	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.11	188	16995m	0.40	ng/ul	0.00
18) Chrysene-d12	21.31	240	16606	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	17308m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	15728	9.59	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	4593	0.25	ng/ul	-0.01
16) Fluoranthene-d10	19.15	212	9502	0.26	ng/ul	0.00
Target Compounds						Qvalue
5) Naphthalene	10.55	128	103240	2.95	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	133459	5.67	ng/ul	99
9) Acenaphthylene	14.07	152	36207	0.98	ng/ul#	89
10) Acenaphthene	14.42	153	704725	23.62	ng/ul	89
11) Fluorene	15.41	166	691133	20.90	ng/ul	87
14) Phenanthrene	17.14	178	2689482m	61.36	ng/ul	
15) Anthracene	17.23	178	230853	6.09	ng/ul	97
17) Fluoranthene	19.17	202	1543659	32.43	ng/ul	96
19) Pyrene	19.54	202	1062389	23.70	ng/ul	98
20) Benzo(a)anthracene	21.29	228	243453	6.00	ng/ul#	92
21) Chrysene	21.34	228	179284	3.86	ng/ul	94
23) Benzo(b)fluoranthene	22.88	252	122321m	2.07	ng/ul	
24) Benzo(k)fluoranthene	22.92	252	29630m	0.55	ng/ul	
25) Benzo(a)pyrene	23.45	252	67999m	1.36	ng/ul	
26) Indeno(1,2,3-cd)pyrene	25.82	276	20475m	0.35	ng/ul	
27) Dibenzo(a,h)anthracene	25.83	278	5745m	0.12	ng/ul	
28) Benzo(g,h,i)perylene	26.52	276	15976m	0.32	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121615\
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Misc :
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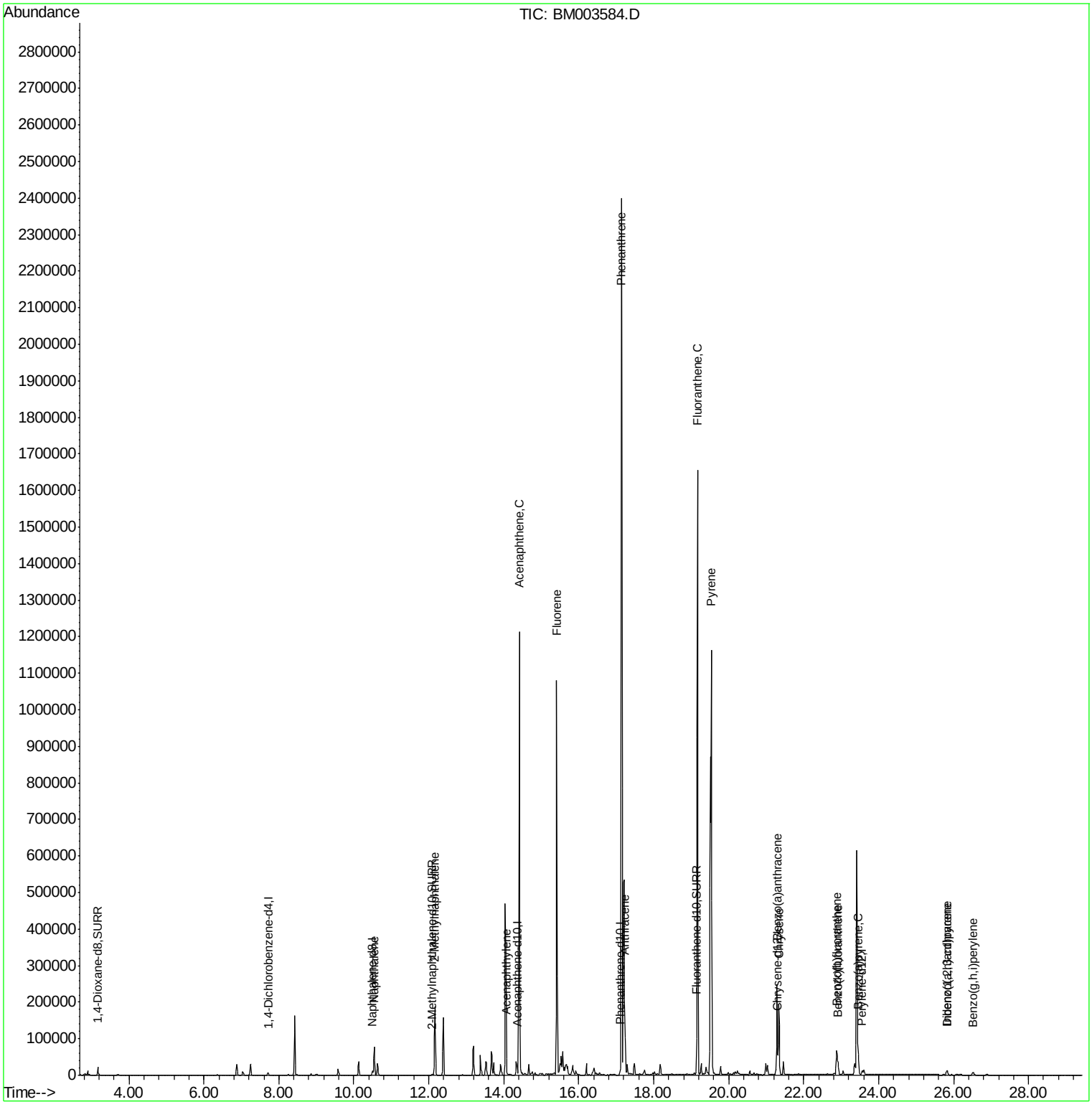
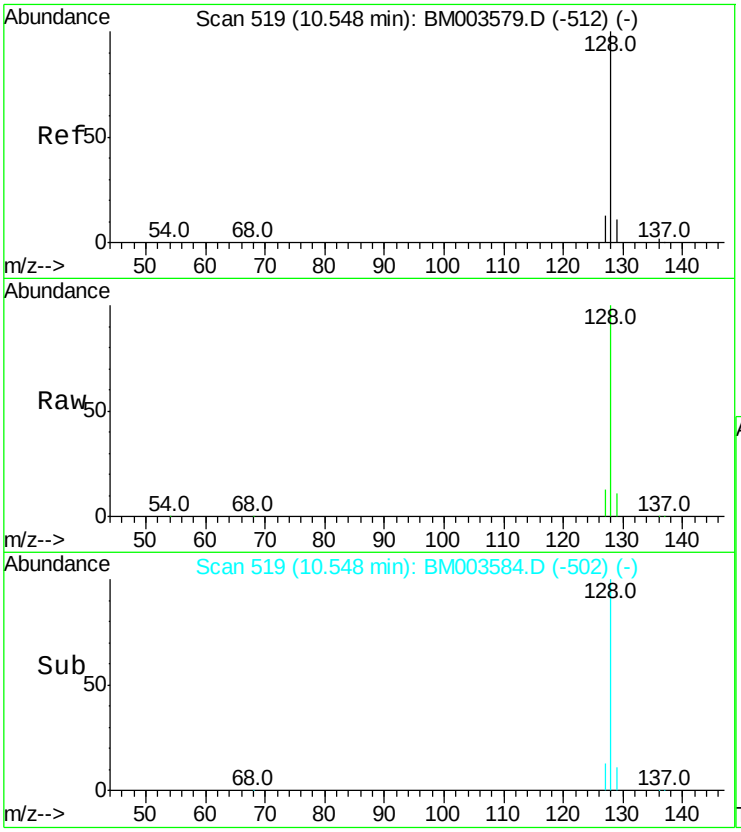
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:06 PM

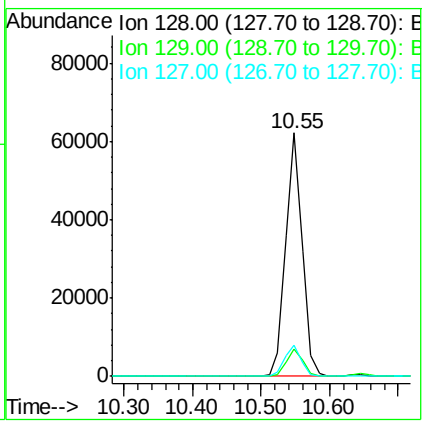




#5
Naphthalene
Concen: 2.95 ng/ul
RT: 10.55 min Scan# 519
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

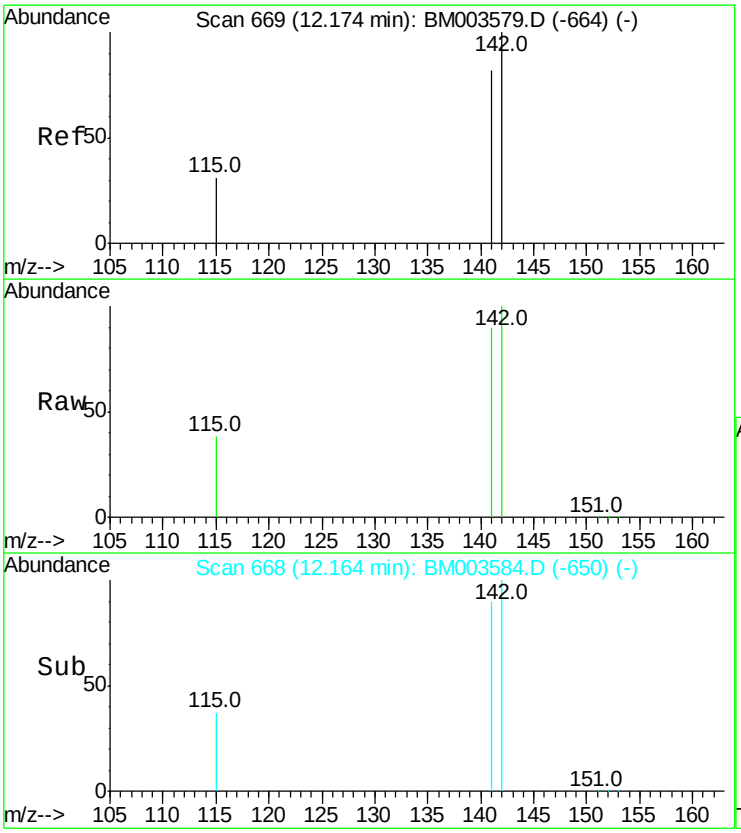
Tgt Ion:128 Resp: 103240

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	12.8	9.6	14.4



Instrument :
BNA_M
ClientSampleId :
D9N30

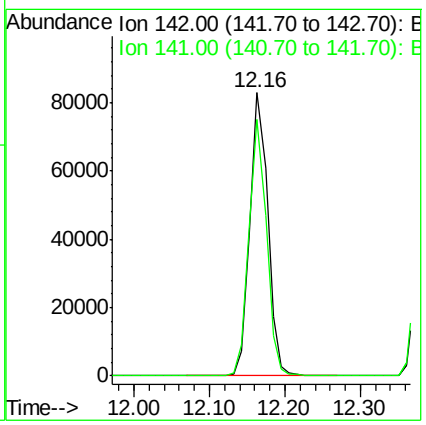
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:06 PM

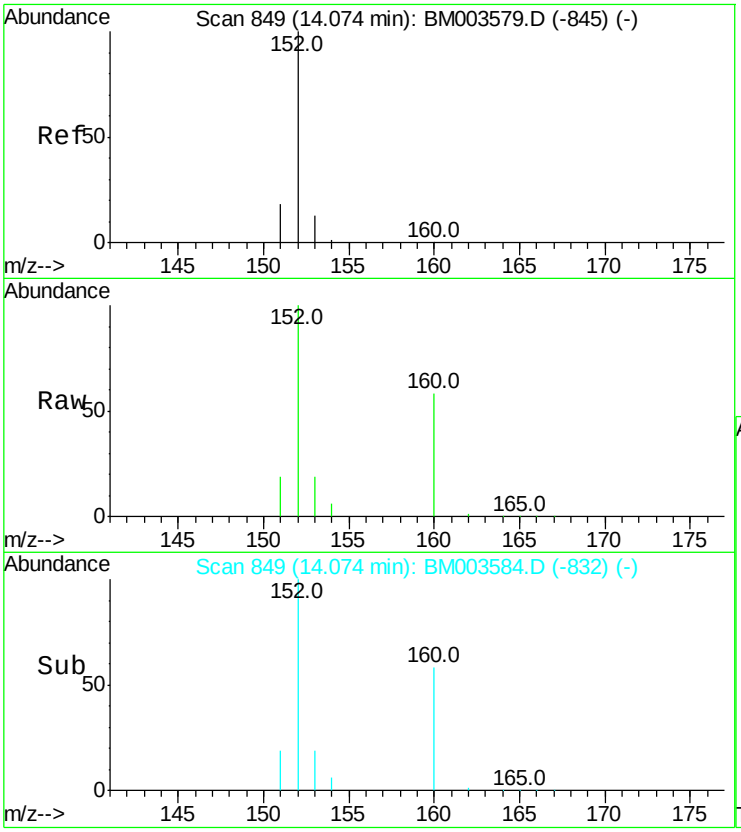


#7
2-Methylnaphthalene
Concen: 5.67 ng/ul
RT: 12.16 min Scan# 668
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:142 Resp: 133459

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5

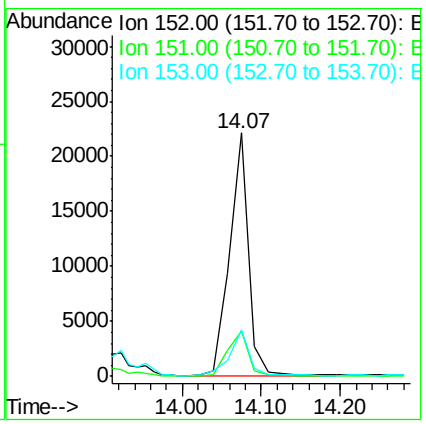




#9
Acenaphthylene
Concen: 0.98 ng/ul
RT: 14.07 min Scan# 849
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:152 Resp: 36207

Ion	Ratio	Lower	Upper
152	100		
151	18.8	17.6	26.4
153	19.3	9.7	14.5#



Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
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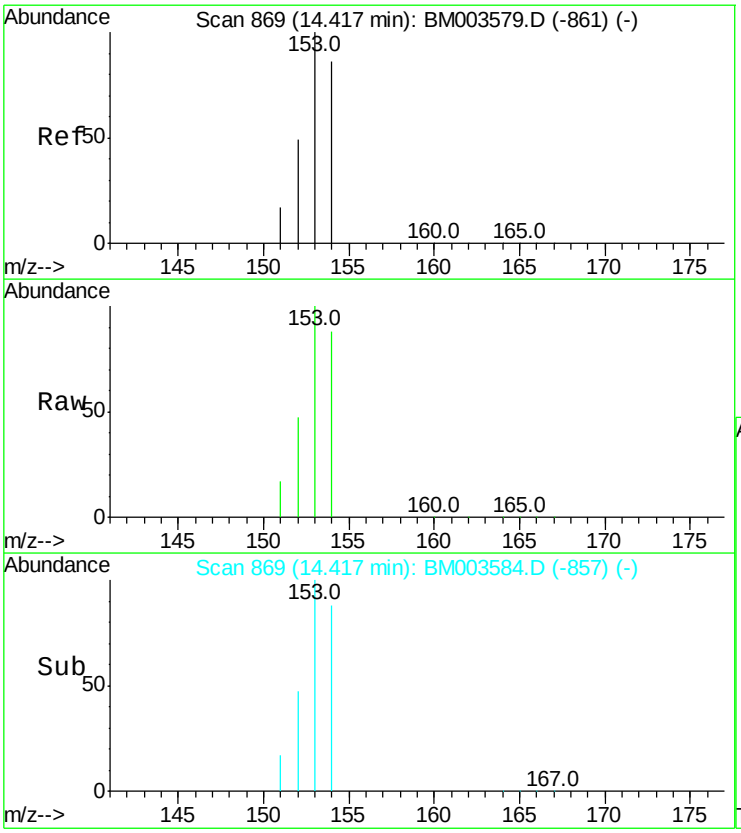
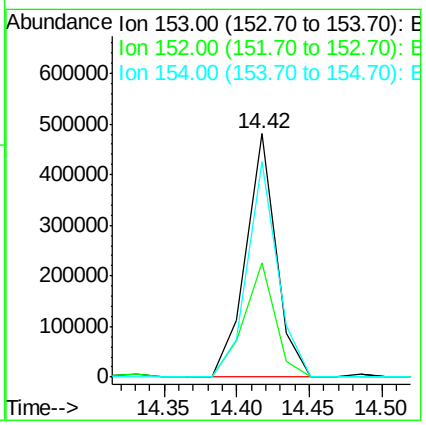
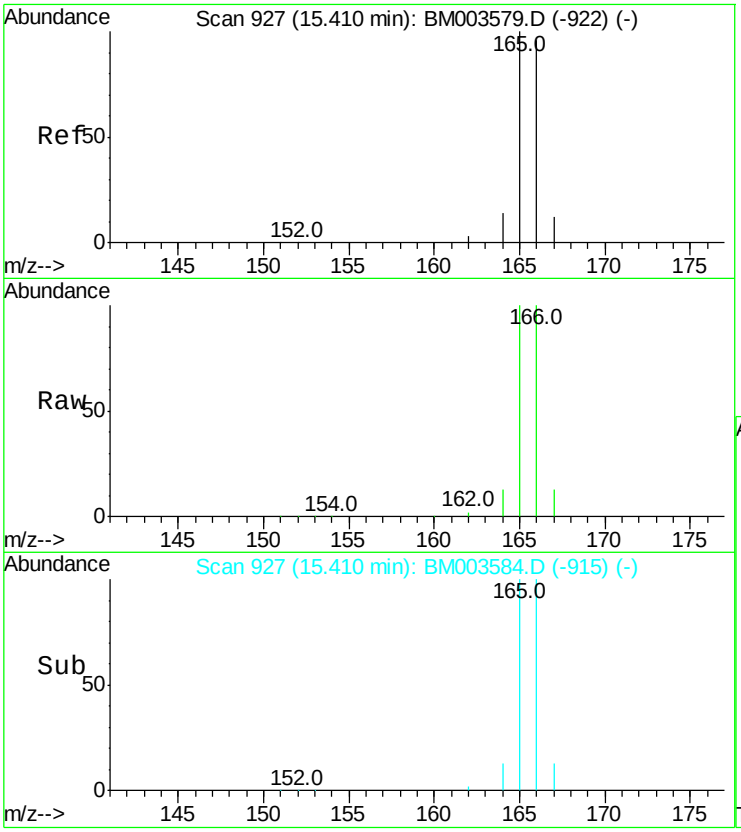


#10
Acenaphthene
Concen: 23.62 ng/ul
RT: 14.42 min Scan# 869
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:153 Resp: 704725

Ion	Ratio	Lower	Upper
153	100		
152	47.0	33.9	50.9
154	88.4	80.6	121.0

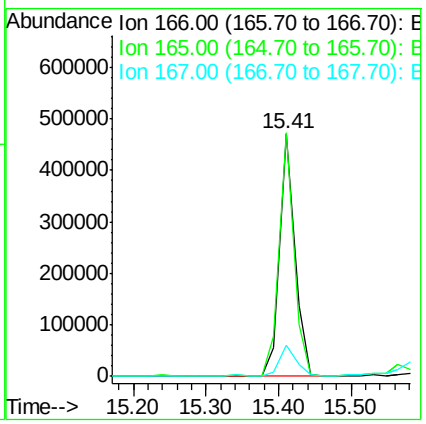




#11
Fluorene
Concen: 20.90 ng/ul
RT: 15.41 min Scan# 927
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:166 Resp: 691133

Ion	Ratio	Lower	Upper
166	100		
165	100.3	69.6	104.4
167	13.1	11.9	17.9



Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
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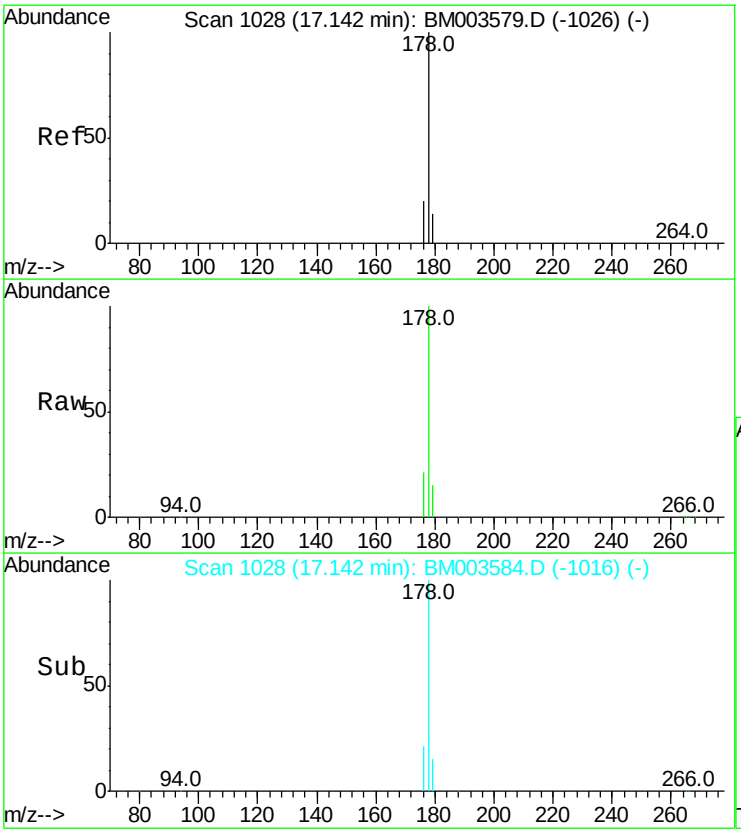
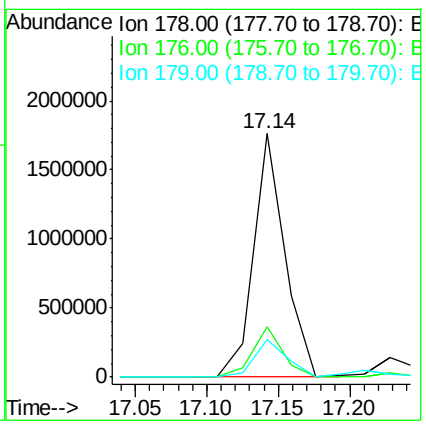
12/17/2015 5:36:06 PM

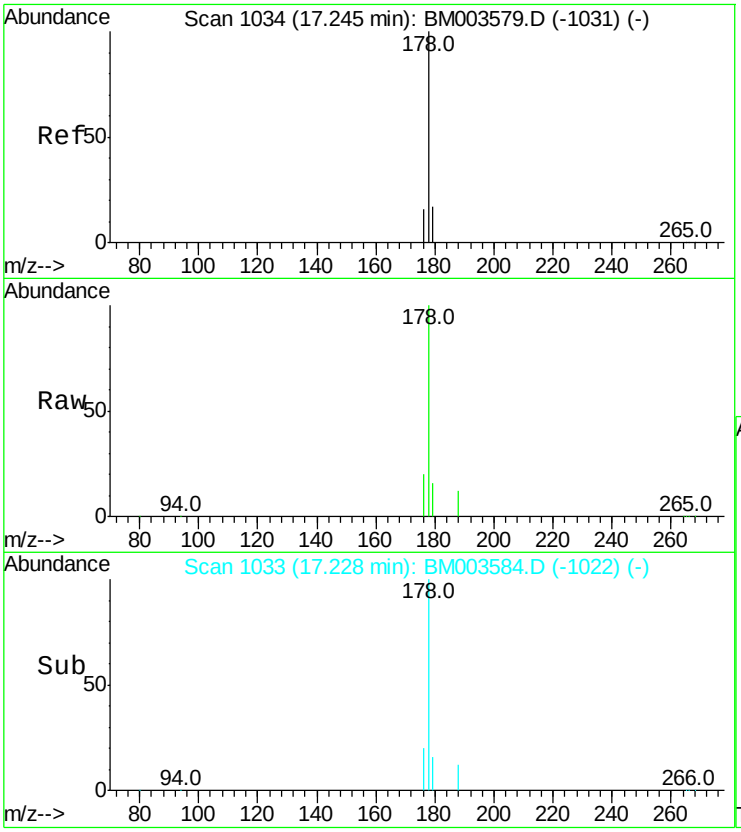


#14
Phenanthrene
Concen: 61.36 ng/ul m
RT: 17.14 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:178 Resp: 2689482

Ion	Ratio	Lower	Upper
178	100		
176	20.8	13.0	19.4#
179	15.2	14.2	21.2

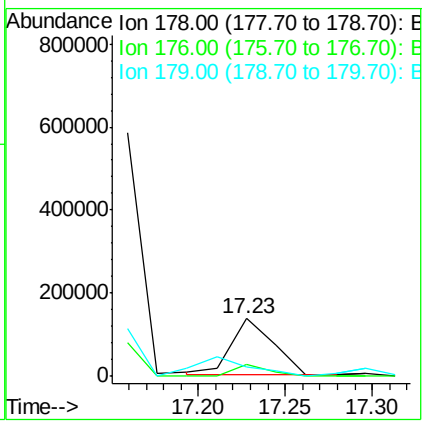




#15
Anthracene
Concen: 6.09 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:178 Resp: 230853

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.0	21.0
179	16.2	12.9	19.3



Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
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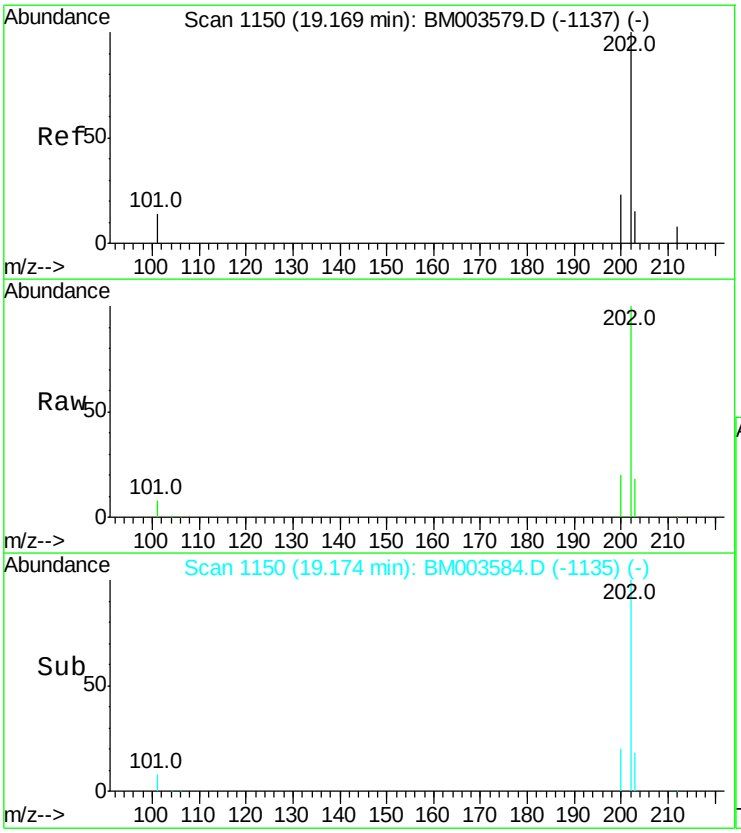
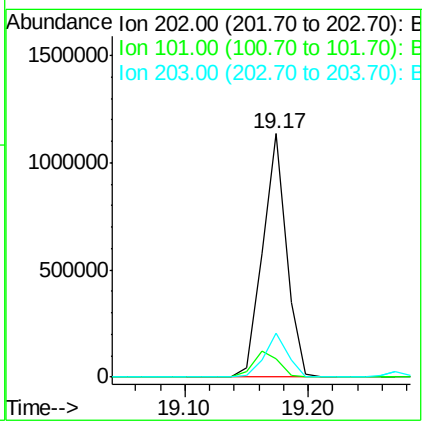
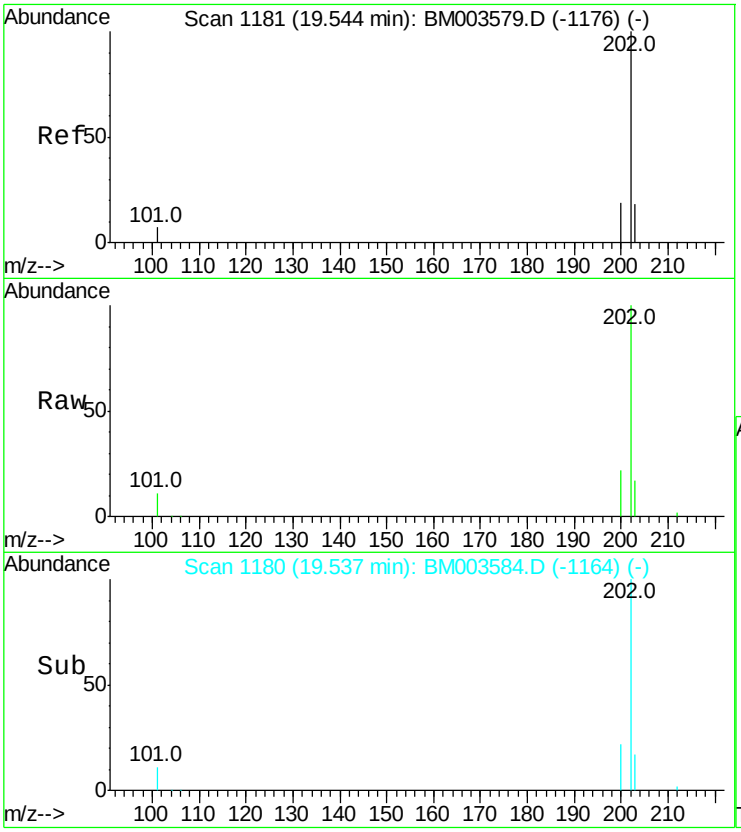


#17
Fluoranthene
Concen: 32.43 ng/ul
RT: 19.17 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:202 Resp: 1543659

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	29.6
203	17.9	0.0	36.3

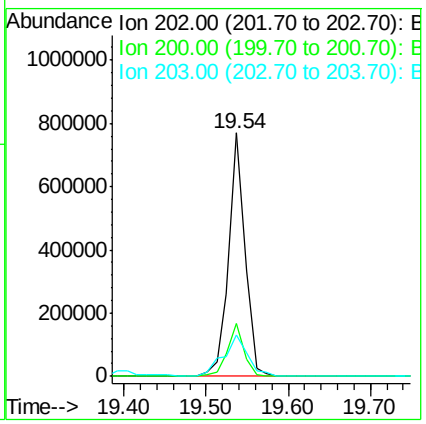




#19
Pyrene
Concen: 23.70 ng/ul
RT: 19.54 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:202 Resp: 1062389

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.8
203	17.1	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
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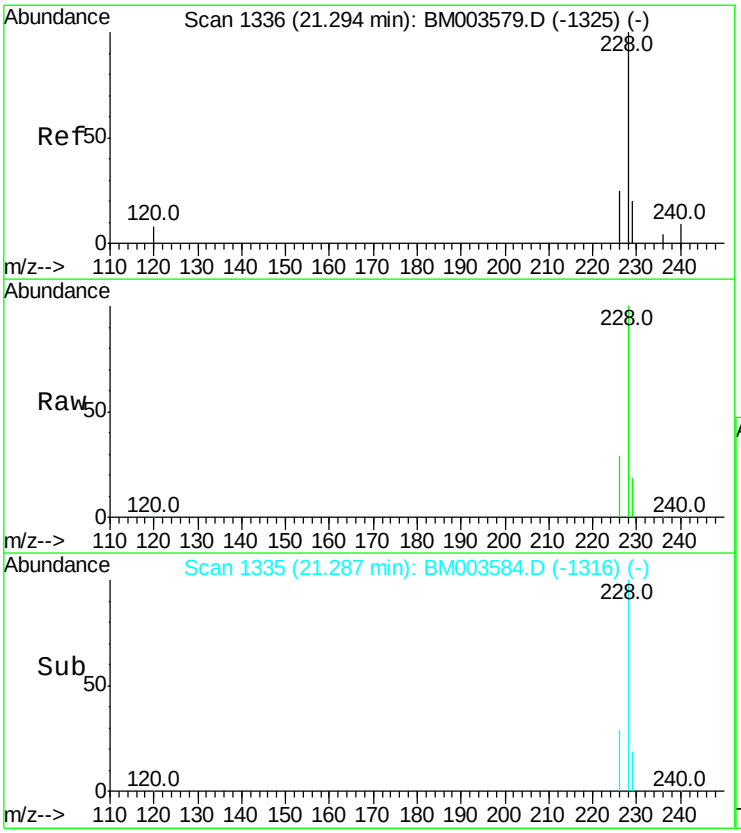
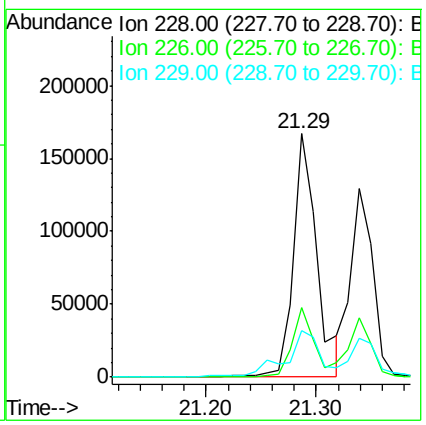
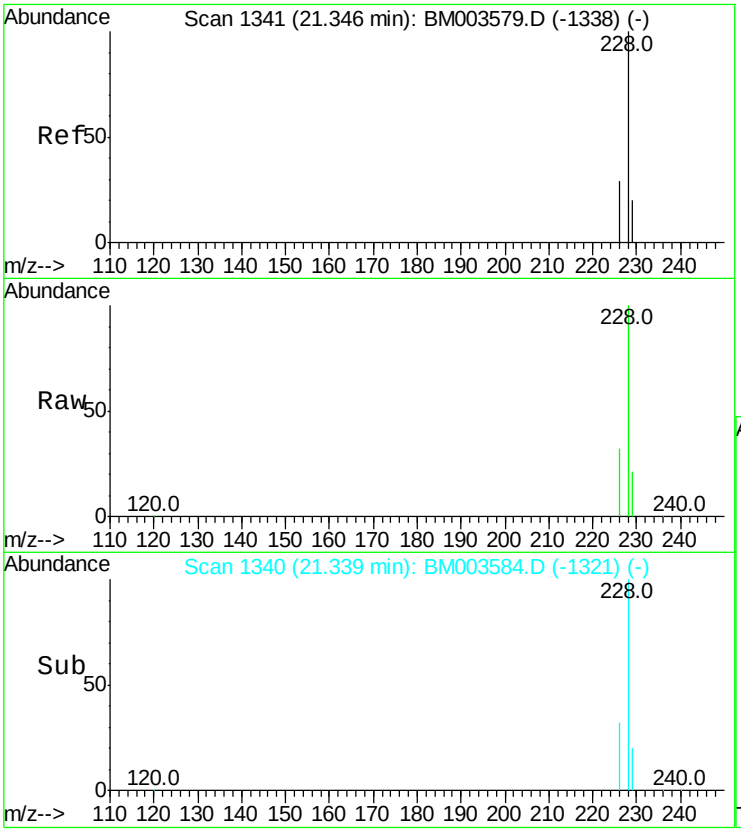


#20
Benzo(a)anthracene
Concen: 6.00 ng/ul
RT: 21.29 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:228 Resp: 243453

Ion	Ratio	Lower	Upper
228	100		
226	28.8	18.8	28.2#
229	18.9	17.1	25.7





#21
Chrysene
Concen: 3.86 ng/ul
RT: 21.34 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:228 Resp: 179284

Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.2	31.8
229	20.7	17.0	25.6

Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
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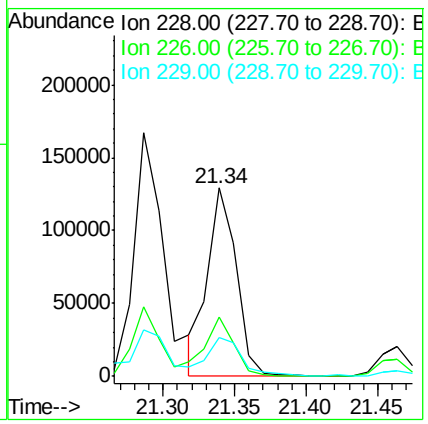
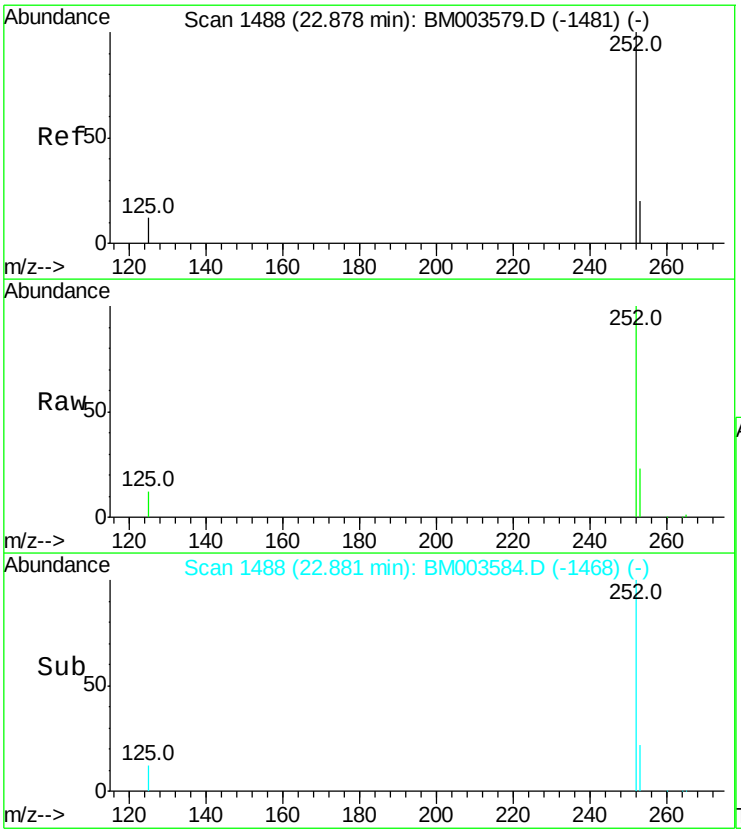
12/17/2015 5:36:06 PM

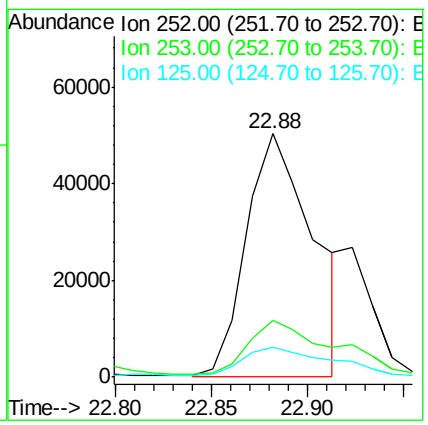


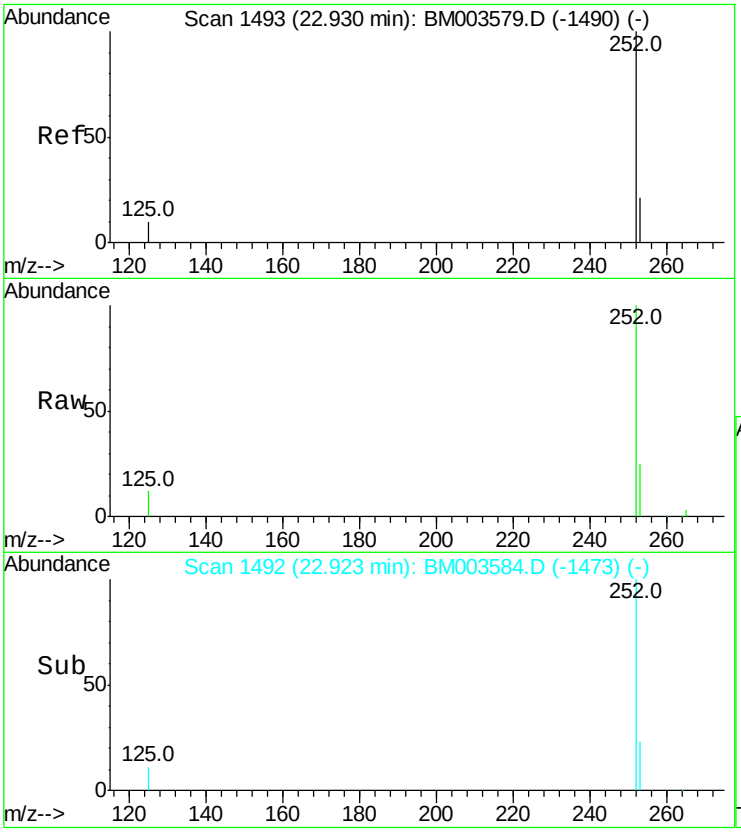


#23
Benzo(b)fluoranthene
Concen: 2.07 ng/ul m
RT: 22.88 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:252 Resp: 122321

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	45.4
125	12.1	0.0	28.8

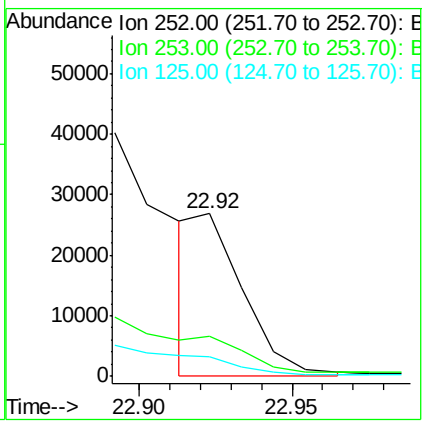




#24
Benzo(k)fluoranthene
Concen: 0.55 ng/ul m
RT: 22.92 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:252 Resp: 29630

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.8	29.8
125	11.7	10.4	15.6



Instrument :
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Manual Integrations APPROVED
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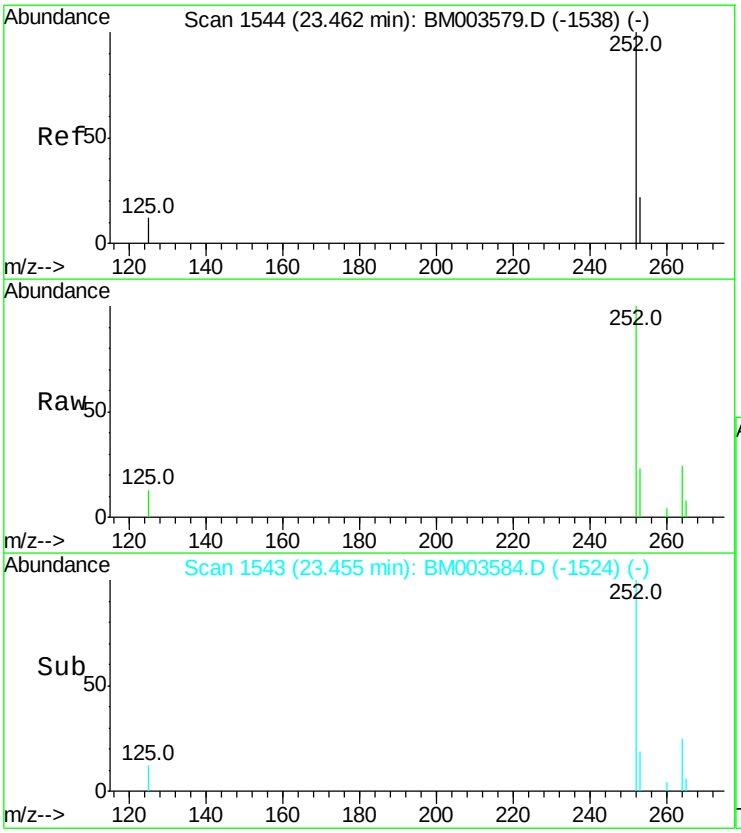
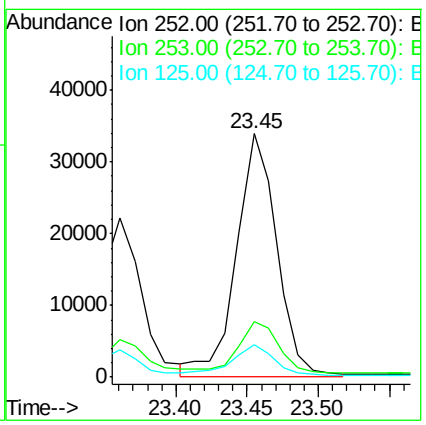
12/17/2015 5:36:06 PM

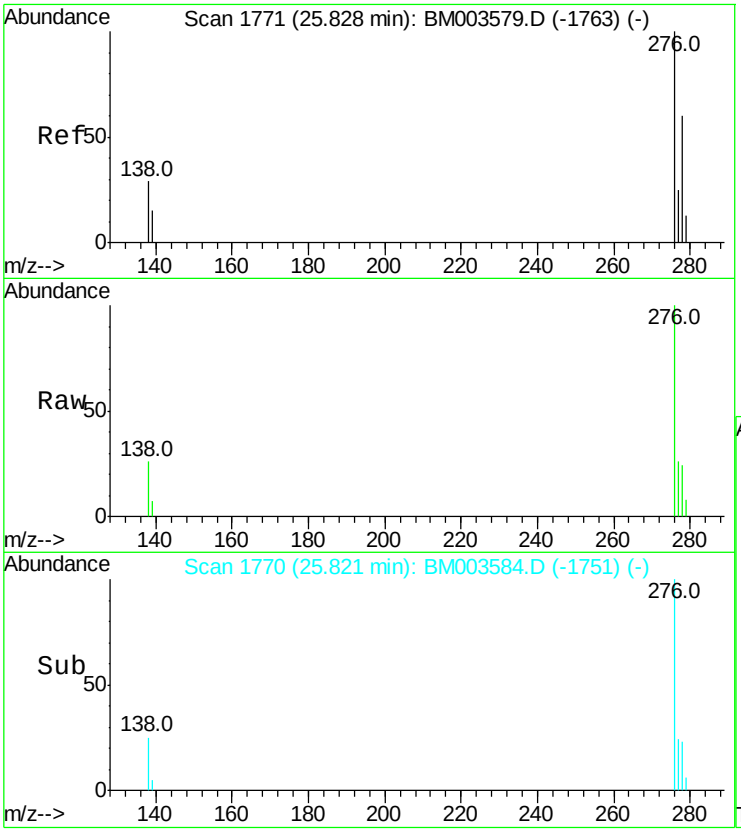


#25
Benzo(a)pyrene
Concen: 1.36 ng/ul m
RT: 23.45 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:252 Resp: 67999

Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.4	29.2
125	13.1	12.7	19.1

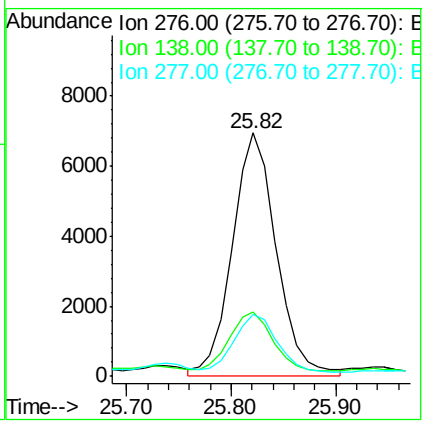




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng/ul m
RT: 25.82 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

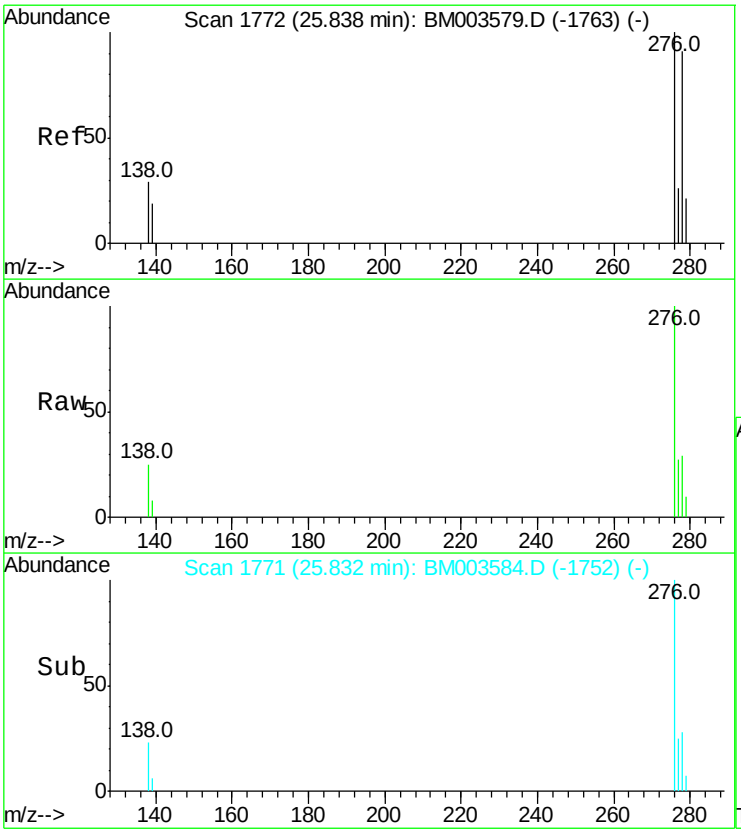
Tgt Ion:276 Resp: 20475

Ion	Ratio	Lower	Upper
276	100		
138	0.0	16.3	24.5#
277	0.0	19.8	29.8#



Instrument :
BNA_M
ClientSampleId :
D9N30

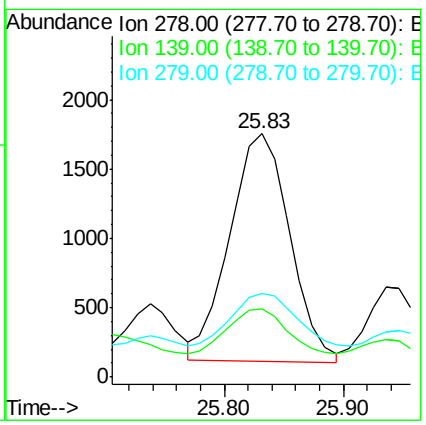
Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:06 PM

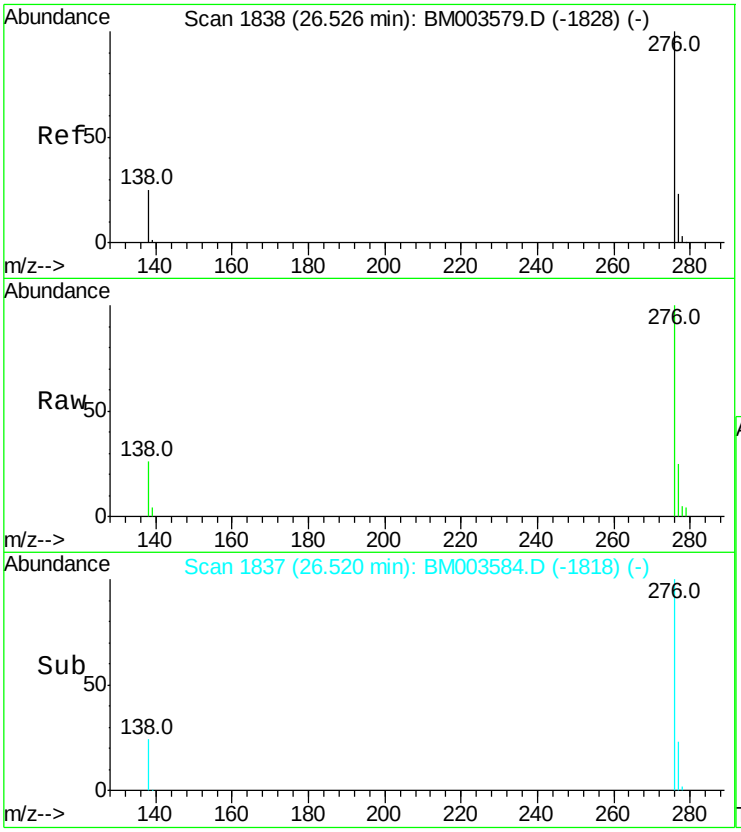


#27
Dibenzo(a,h)anthracene
Concen: 0.12 ng/ul m
RT: 25.83 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:278 Resp: 5745

Ion	Ratio	Lower	Upper
278	100		
139	28.0	16.4	24.6#
279	34.2	20.2	30.2#

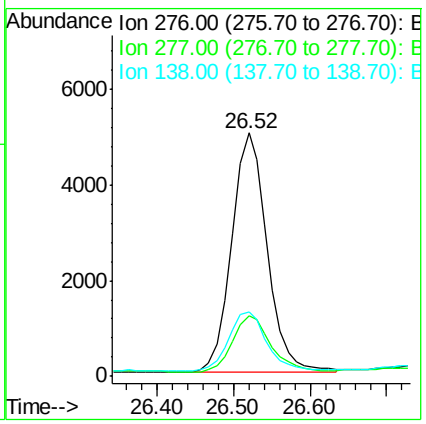




#28
Benzo(g,h,i)perylene
Concen: 0.32 ng/ul m
RT: 26.52 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BM003584.D
Acq: 16 Dec 2015 19:06

Tgt Ion:276 Resp: 15976

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	26.5	22.5	33.7



Instrument :
BNA_M
ClientSampleId :
D9N30

Manual Integrations APPROVED
MMdadoda
12/17/2015 5:36:06 PM