Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030917\
Data File : BM009153.D
Acq On : 09 Mar 2017 19:45
Operator : SJ/MA
Sample : I2069-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AJ2

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

Quant Time: Mar 10 03:23:00 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	203	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	606	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	365	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	958m	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1241	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1387m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	189	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	685	0.23	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	419	0.24	ng/ul#	71
5) 2-Methylnaphthalene	12.34	142	312	0.25	ng/ul	100
8) Acenaphthene	14.57	153	104	0.07	ng/ul#	81
9) Fluorene	15.56	166	127	0.07	ng/ul#	65
12) Phenanthrene	17.30	178	7586	2.52	ng/ul	97
13) Anthracene	17.40	178	938	0.32	ng/ul#	92
15) Fluoranthene	19.33	202	13056	3.33	ng/ul	93
17) Pyrene	19.69	202	18480	4.33	ng/ul	96
18) Benzo(a)anthracene	21.42	228	7687m	1.86	ng/ul	
19) Chrysene	21.47	228	7747m	1.98	ng/ul	
21) Benzo(b)fluoranthene	23.07	252	9069m	1.66	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	2818m	0.58	ng/ul	
23) Benzo(a)pyrene	23.67	252	6066m	1.24	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	3868m	0.62	ng/ul	
25) Dibenzo(a,h)anthracene	26.16	278	1122m	0.21	ng/ul	
26) Benzo(g,h,i)perylene	26.89	276	3711m	0.70	ng/ul	

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

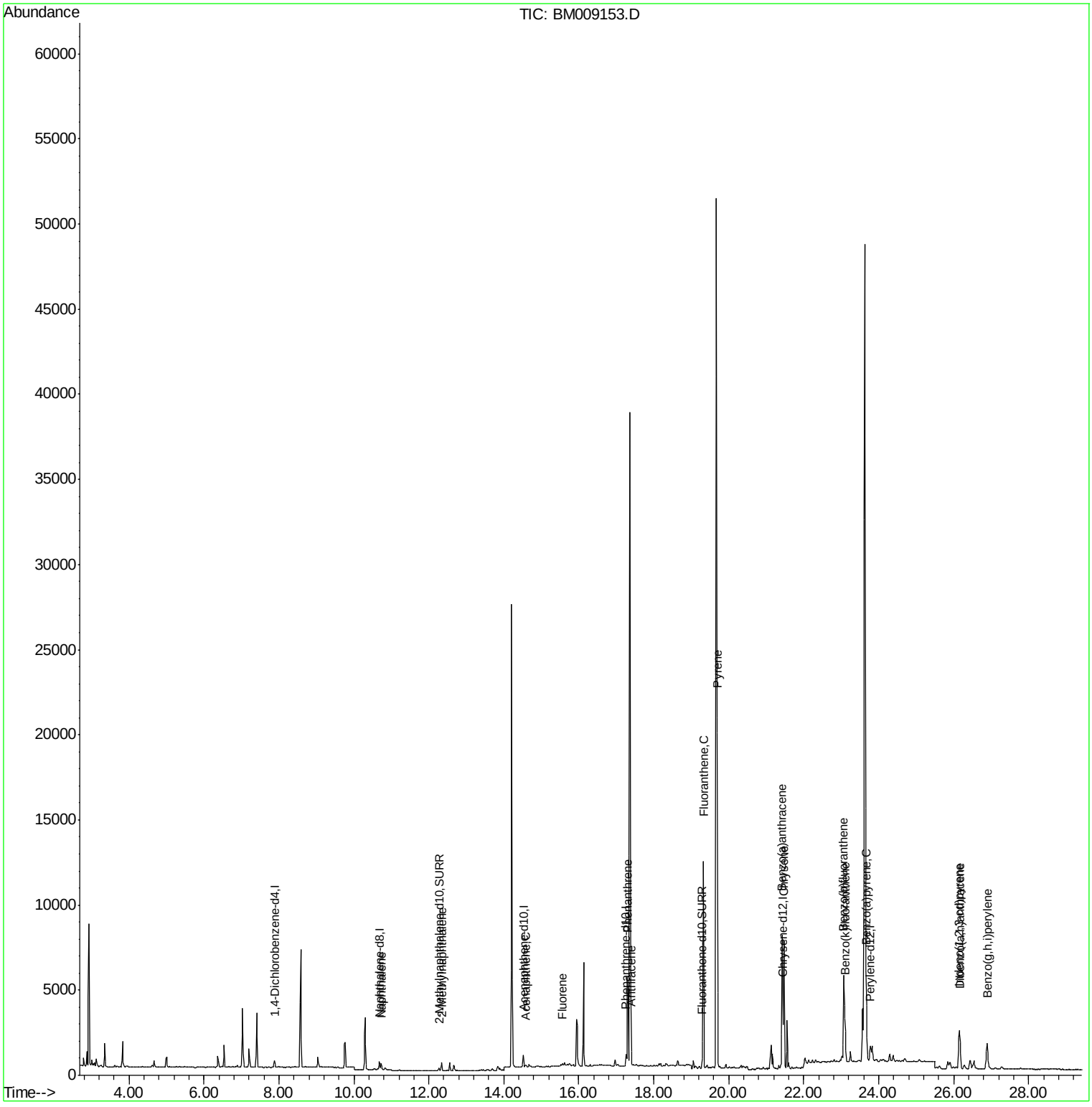
Quantitation Report (QT Reviewed)

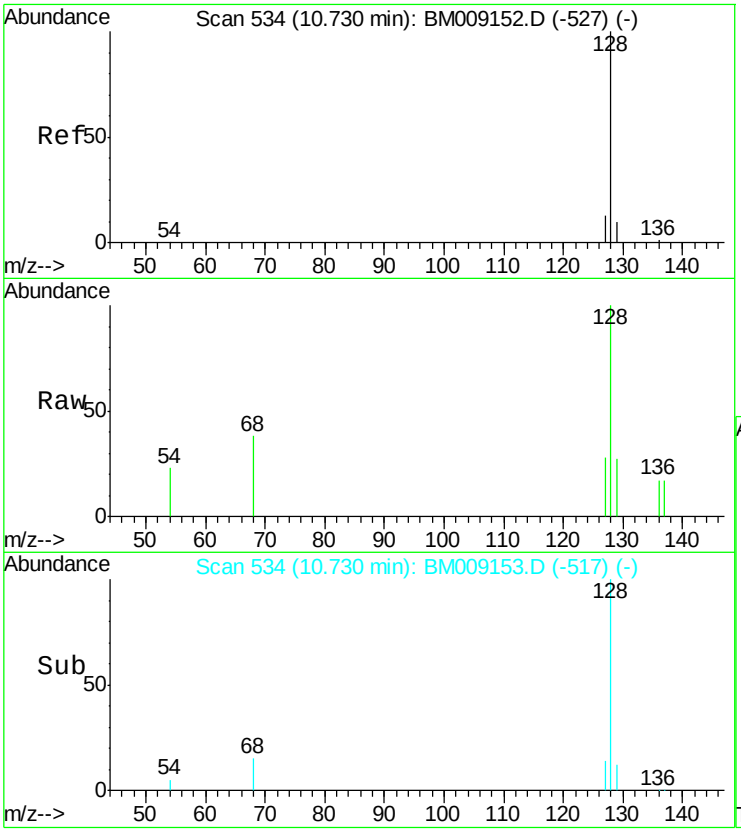
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030917\
Data File : BM009153.D
Acq On : 09 Mar 2017 19:45
Operator : SJ/MA
Sample : I2069-17
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 10 03:23:00 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AJ2

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

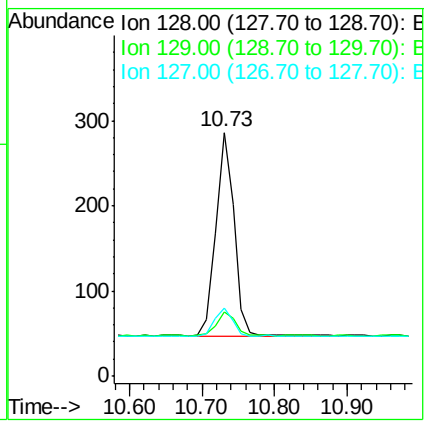




#3
Naphthalene
Concen: 0.24 ng/ul
RT: 10.73 min Scan# 534
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

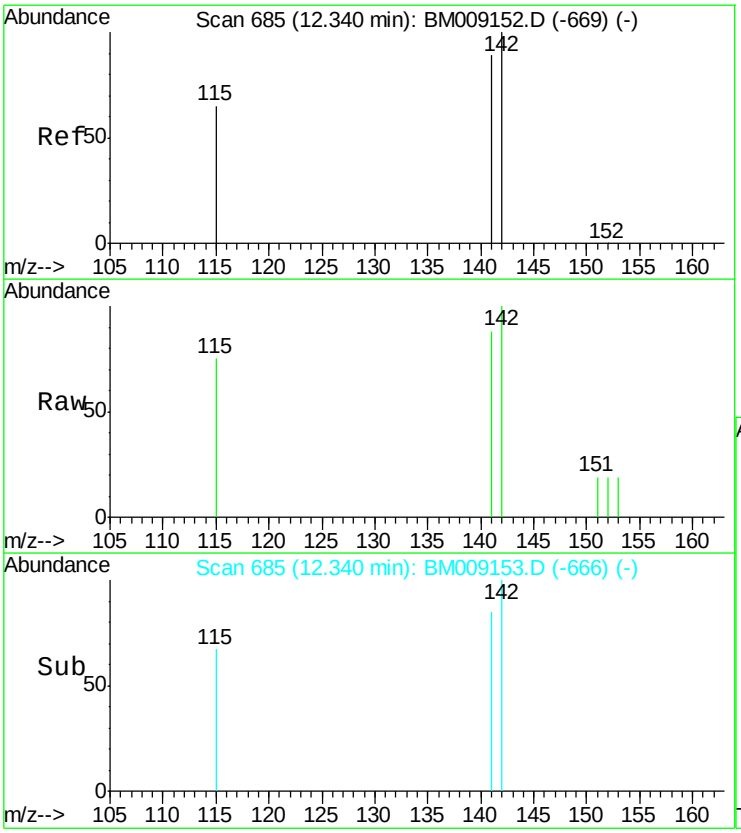
Tgt Ion:128 Resp: 419

Ion	Ratio	Lower	Upper
128	100		
129	26.6	11.3	16.9#
127	28.0	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
C0AJ2

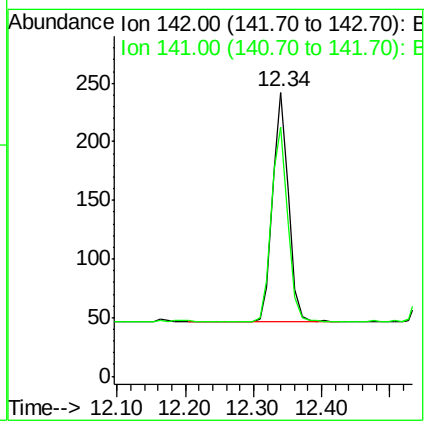
Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

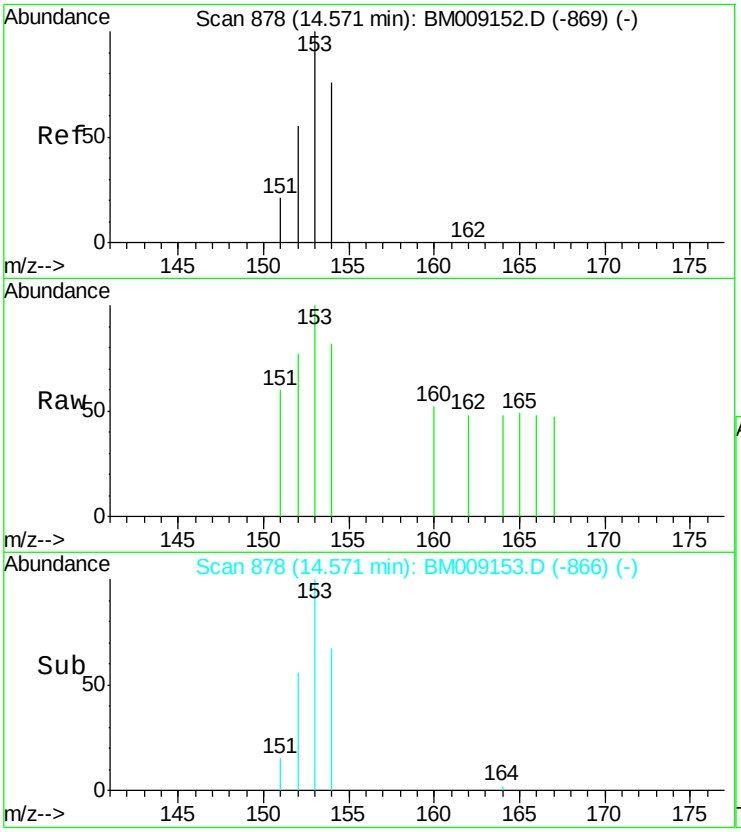


#5
2-Methylnaphthalene
Concen: 0.25 ng/ul
RT: 12.34 min Scan# 685
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:142 Resp: 312

Ion	Ratio	Lower	Upper
142	100		
141	91.0	72.6	108.8

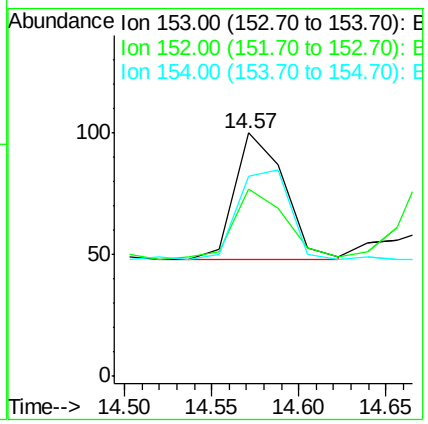




#8
Acenaphthene
Concen: 0.07 ng/ul
RT: 14.57 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

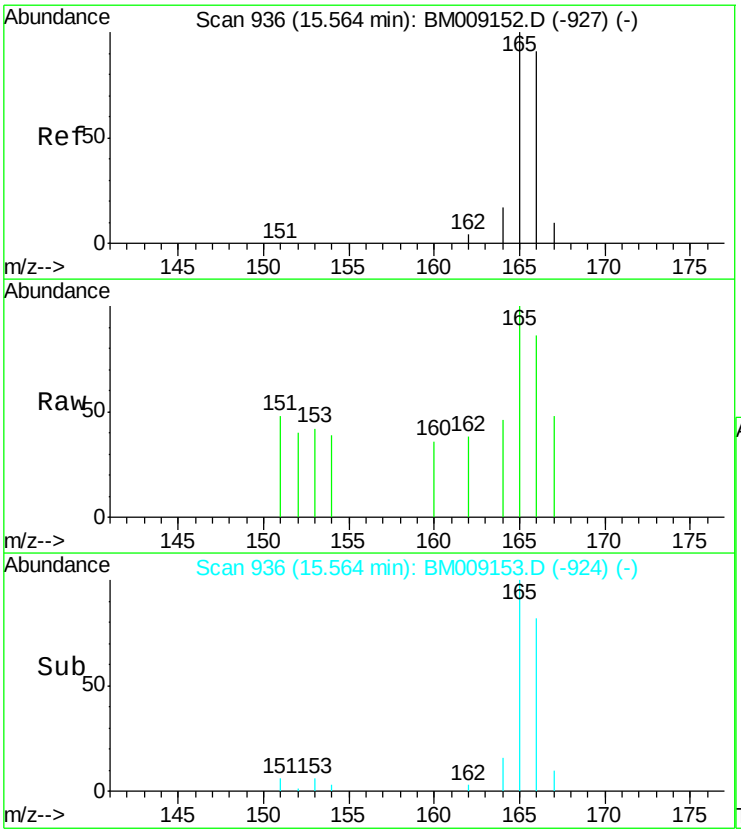
Tgt Ion:153 Resp: 104

Ion	Ratio	Lower	Upper
153	100		
152	77.0	40.3	60.5#
154	82.0	71.4	107.2



Instrument :
BNA_M
ClientSampleId :
C0AJ2

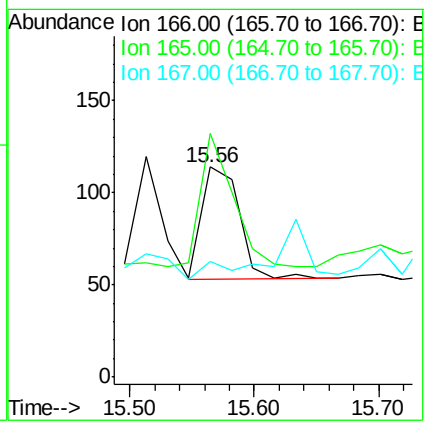
Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

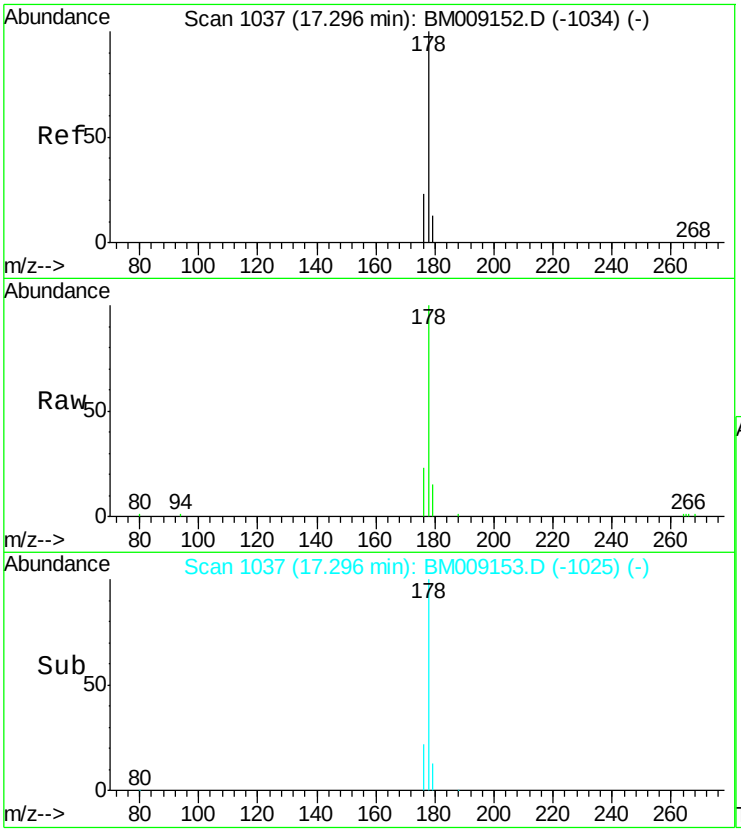


#9
Fluorene
Concen: 0.07 ng/ul
RT: 15.56 min Scan# 936
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:166 Resp: 127

Ion	Ratio	Lower	Upper
166	100		
165	115.8	73.4	110.2#
167	55.3	14.6	22.0#





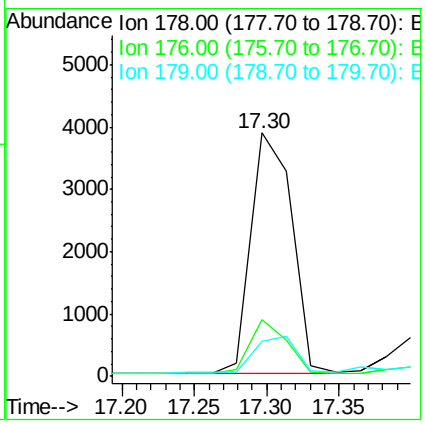
#12
Phenanthrene
Concen: 2.52 ng/ul
RT: 17.30 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

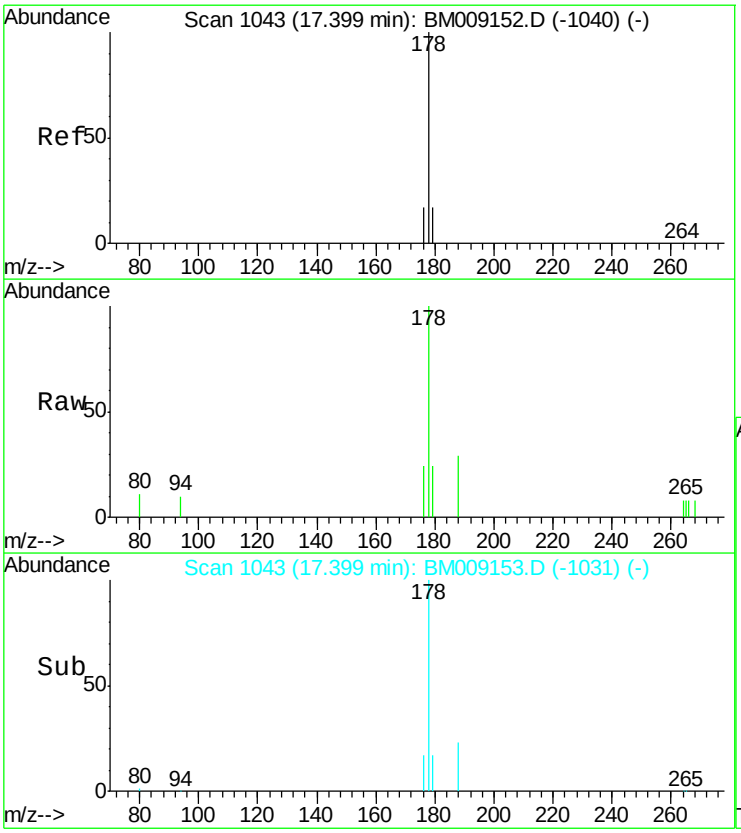
Tgt Ion:178 Resp: 7586

Ion	Ratio	Lower	Upper
178	100		
176	23.4	18.4	27.6
179	14.6	13.6	20.4

Instrument :
BNA_M
ClientSampleId :
C0AJ2

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

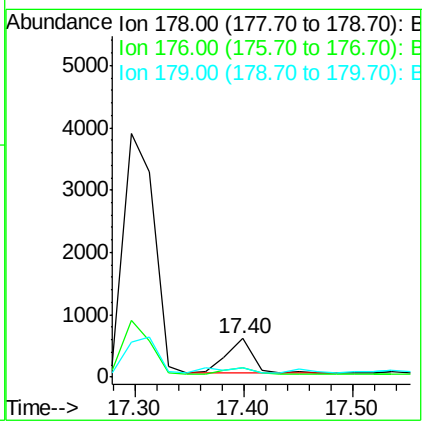


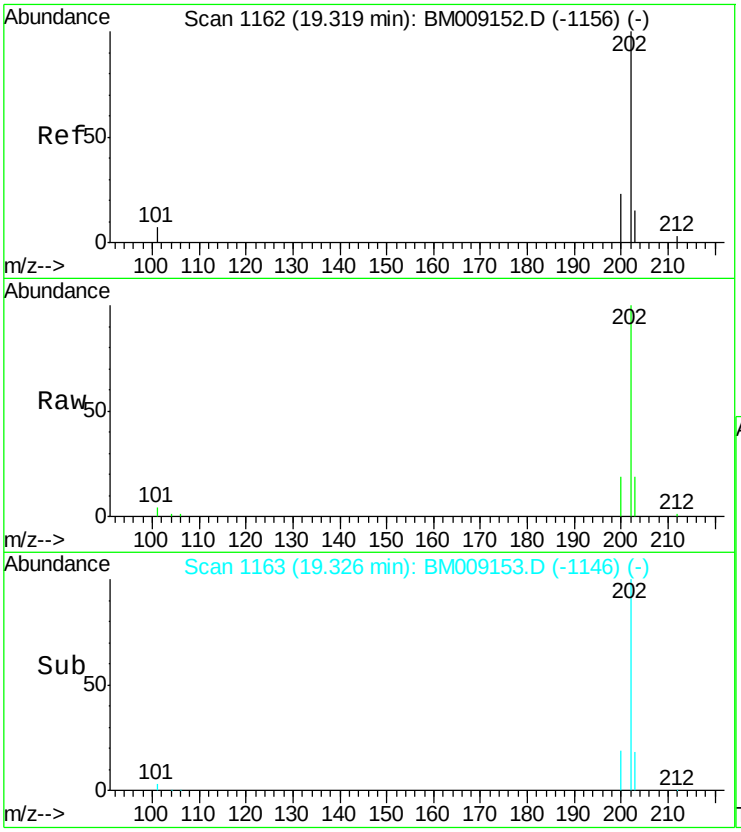


#13
Anthracene
Concen: 0.32 ng/ul
RT: 17.40 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:178 Resp: 938

Ion	Ratio	Lower	Upper
178	100		
176	24.3	18.1	27.1
179	24.3	14.7	22.1#

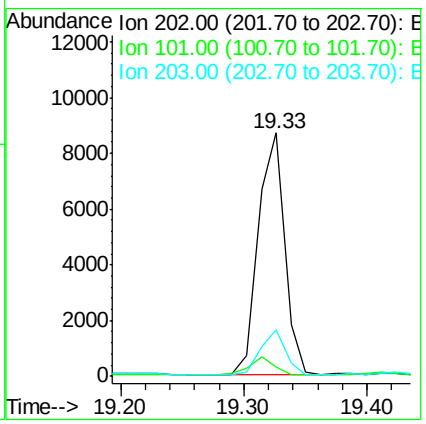




#15
Fluoranthene
Concen: 3.33 ng/ul
RT: 19.33 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

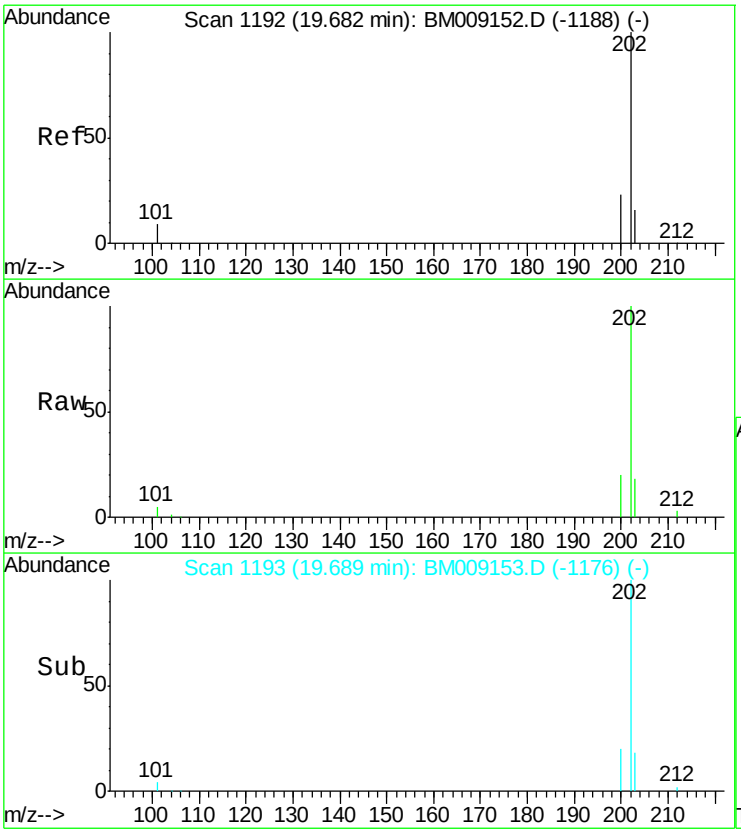
Tgt Ion:202 Resp: 13056

Ion	Ratio	Lower	Upper
202	100		
101	3.9	0.0	30.3
203	18.9	0.0	39.5



Instrument :
BNA_M
ClientSampleId :
C0AJ2

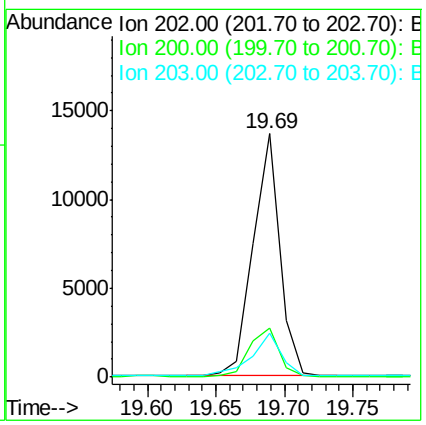
Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

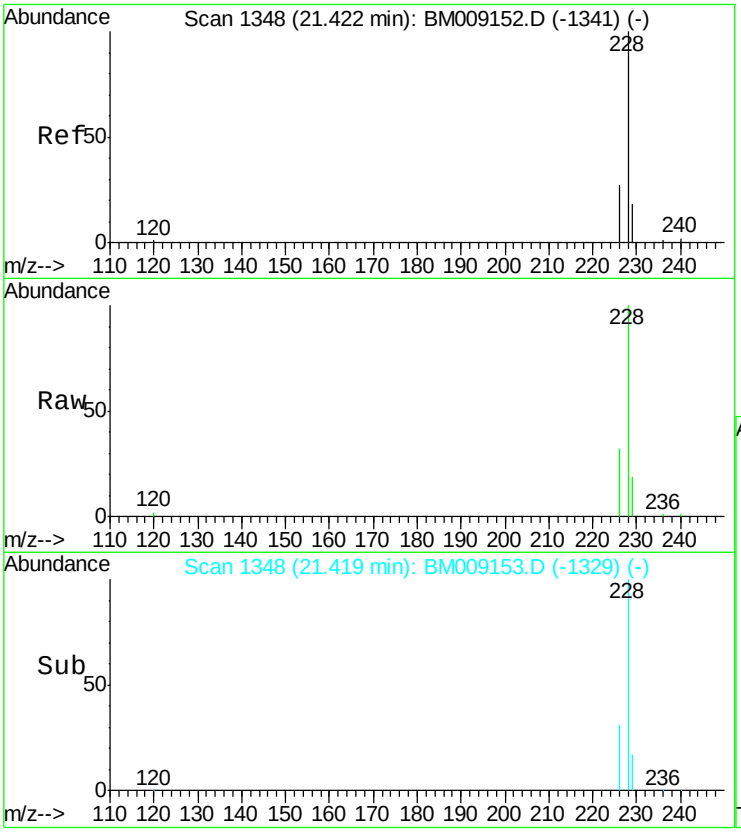


#17
Pyrene
Concen: 4.33 ng/ul
RT: 19.69 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:202 Resp: 18480

Ion	Ratio	Lower	Upper
202	100		
200	20.1	18.2	27.4
203	18.2	15.6	23.4

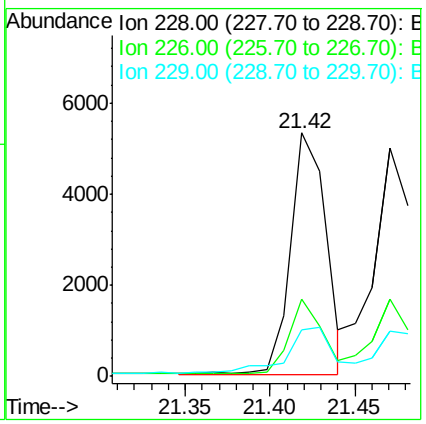




#18
Benzo(a)anthracene
Concen: 1.86 ng/ul m
RT: 21.42 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

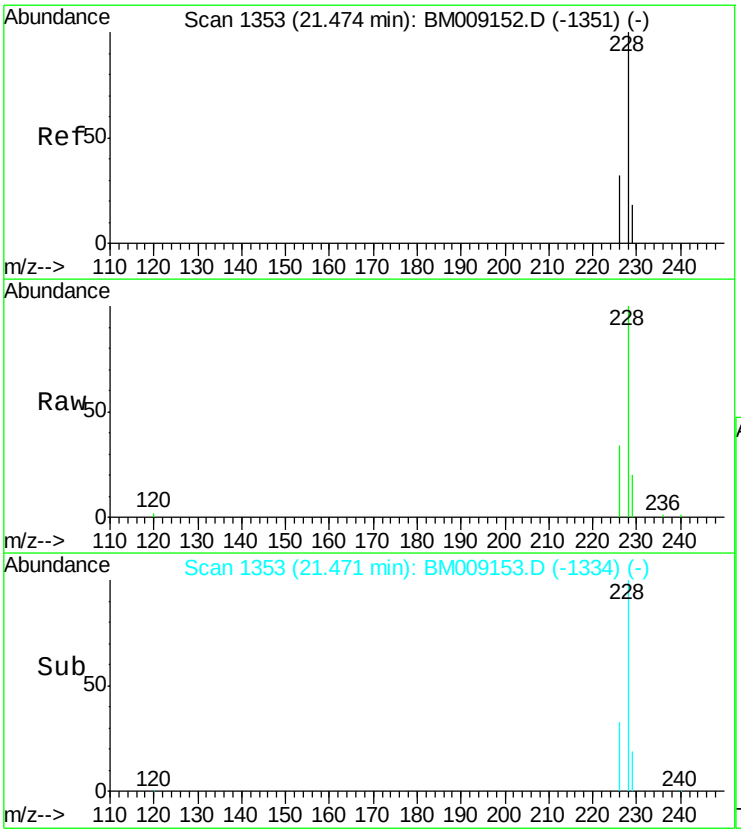
Tgt Ion:228 Resp: 7687

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.8	34.2
229	18.9	17.0	25.6



Instrument :
BNA_M
ClientSampleId :
C0AJ2

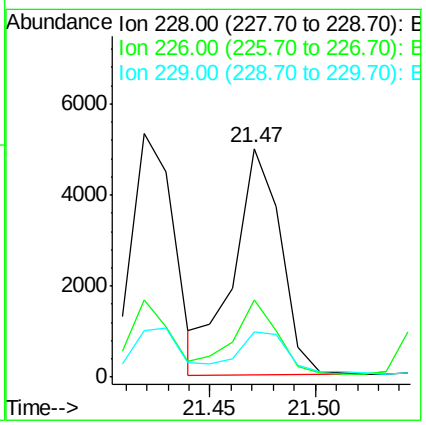
Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

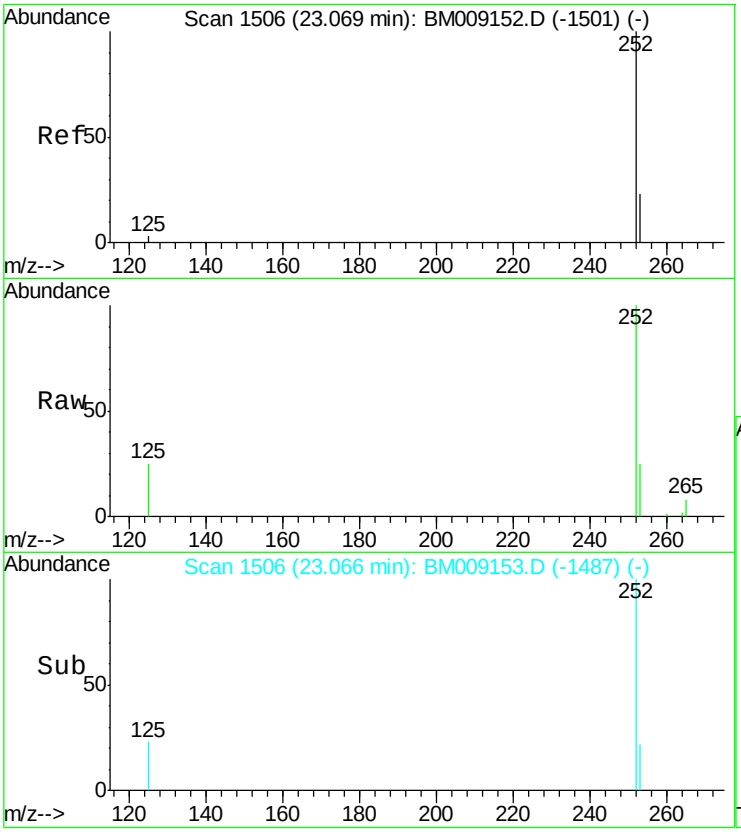


#19
Chrysene
Concen: 1.98 ng/ul m
RT: 21.47 min Scan# 1353
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:228 Resp: 7747

Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.4	35.0
229	20.0	17.7	26.5

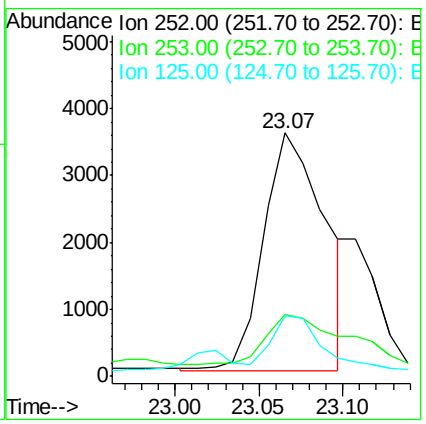




#21
Benzo(b)fluoranthene
Concen: 1.66 ng/ul m
RT: 23.07 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

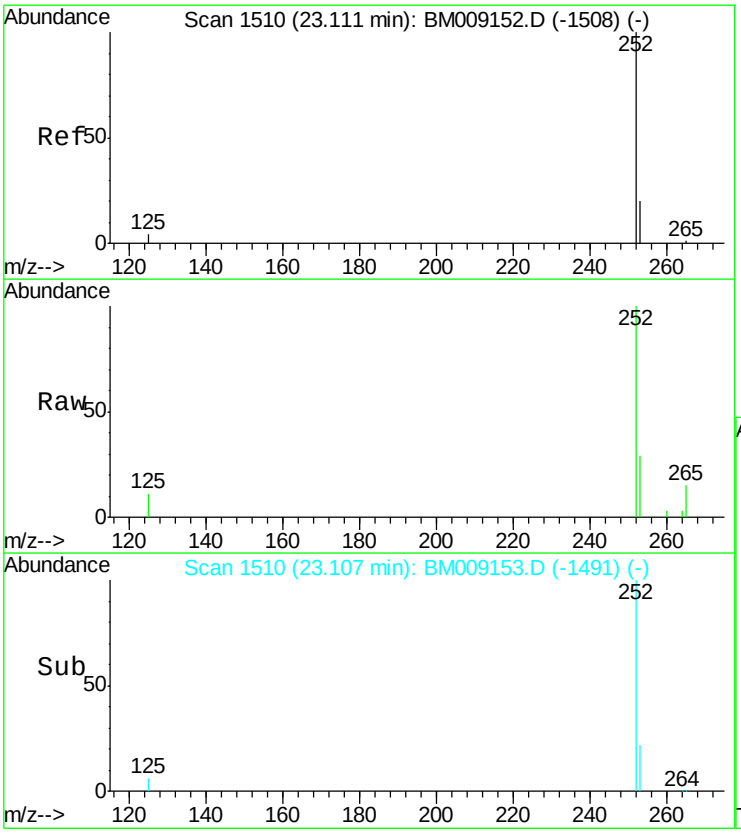
Tgt Ion:252 Resp: 9069

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	64.2
125	24.9	0.0	35.0



Instrument :
BNA_M
ClientSampleId :
C0AJ2

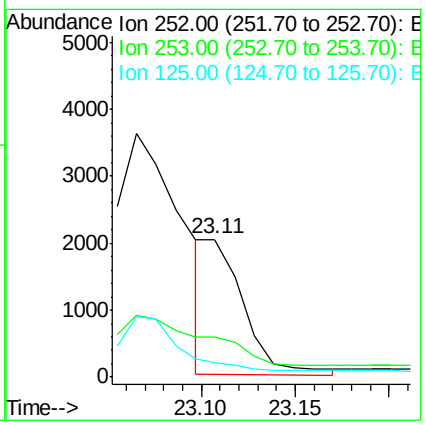
Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

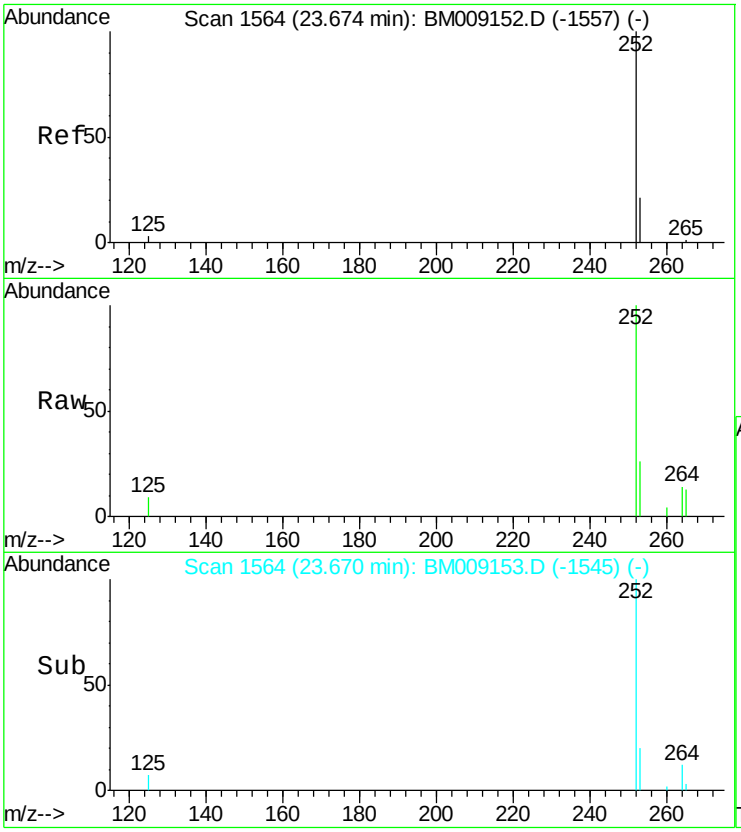


#22
Benzo(k)fluoranthene
Concen: 0.58 ng/ul m
RT: 23.11 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:252 Resp: 2818

Ion	Ratio	Lower	Upper
252	100		
253	28.8	24.5	36.7
125	10.6	13.7	20.5#





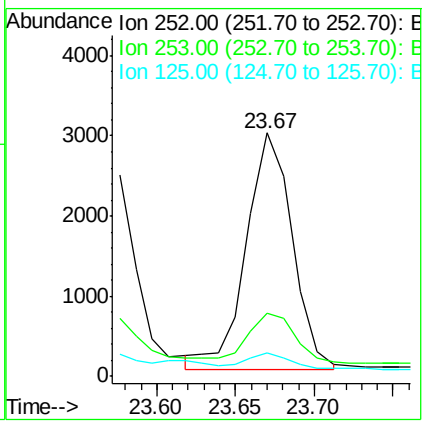
#23
Benzo(a)pyrene
Concen: 1.24 ng/ul m
RT: 23.67 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

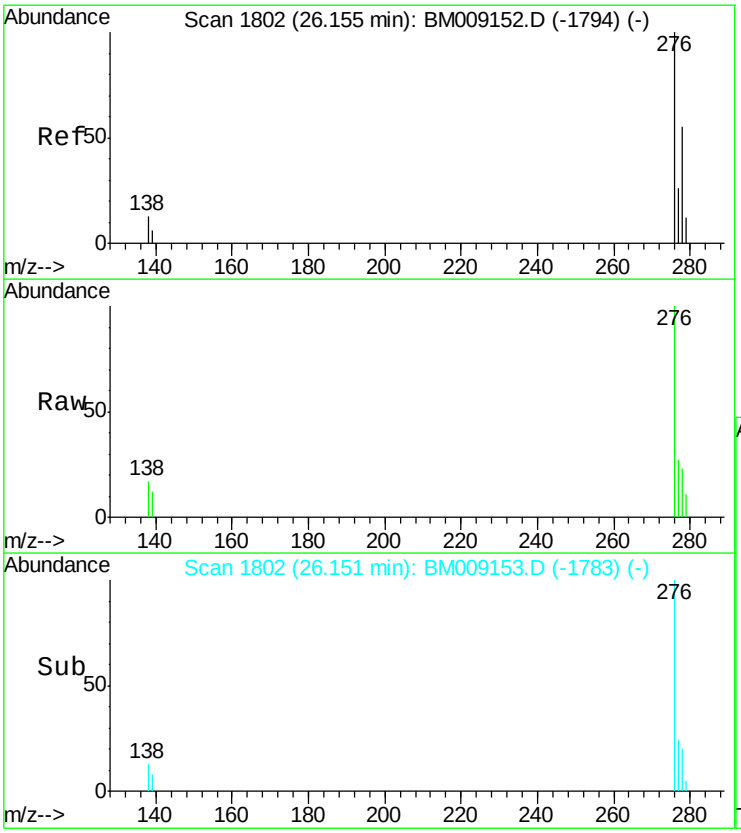
Tgt Ion:252 Resp: 6066

Ion	Ratio	Lower	Upper
252	100		
253	25.9	28.5	42.7#
125	9.4	18.1	27.1#

Instrument :
BNA_M
ClientSampleId :
C0AJ2

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM

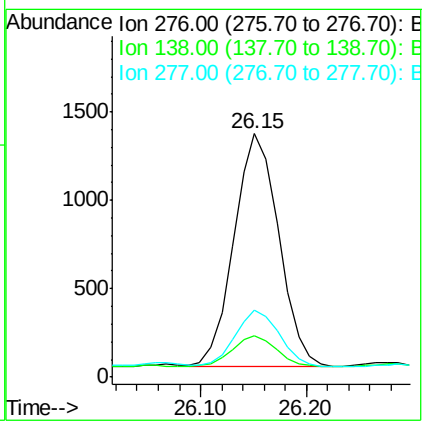


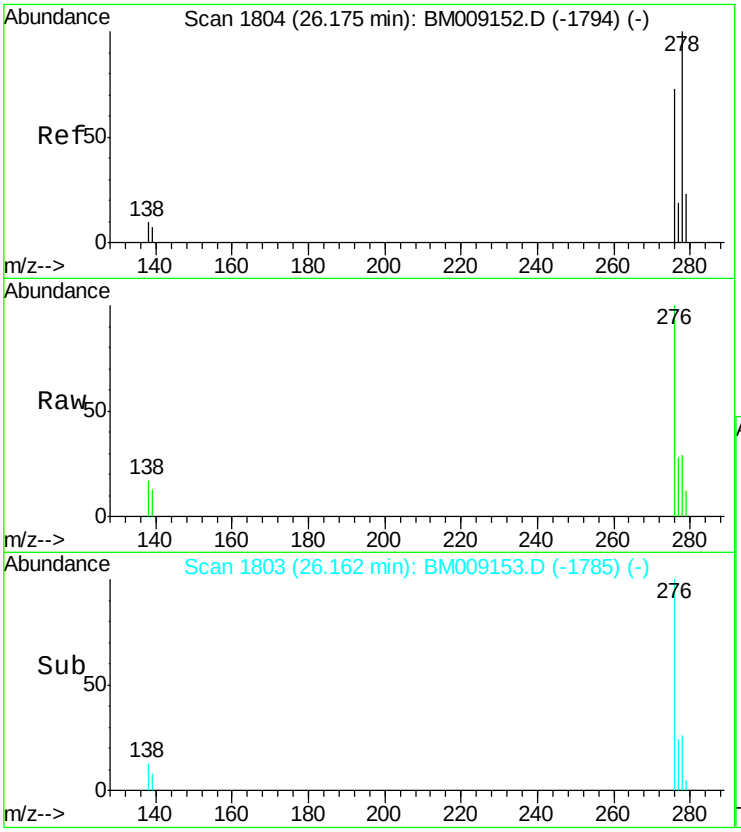


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.62 ng/ul m
RT: 26.15 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:276 Resp: 3868

Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.1	28.7#
277	0.0	19.6	29.4#





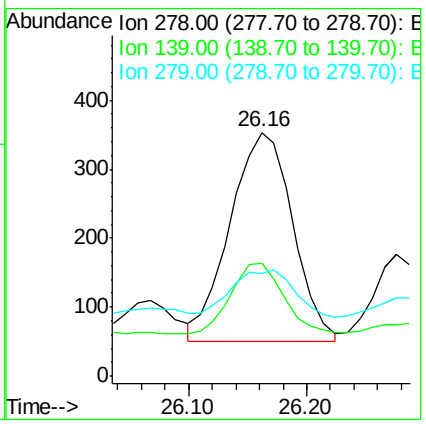
#25
Dibenzo(a,h)anthracene
Concen: 0.21 ng/ul m
RT: 26.16 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

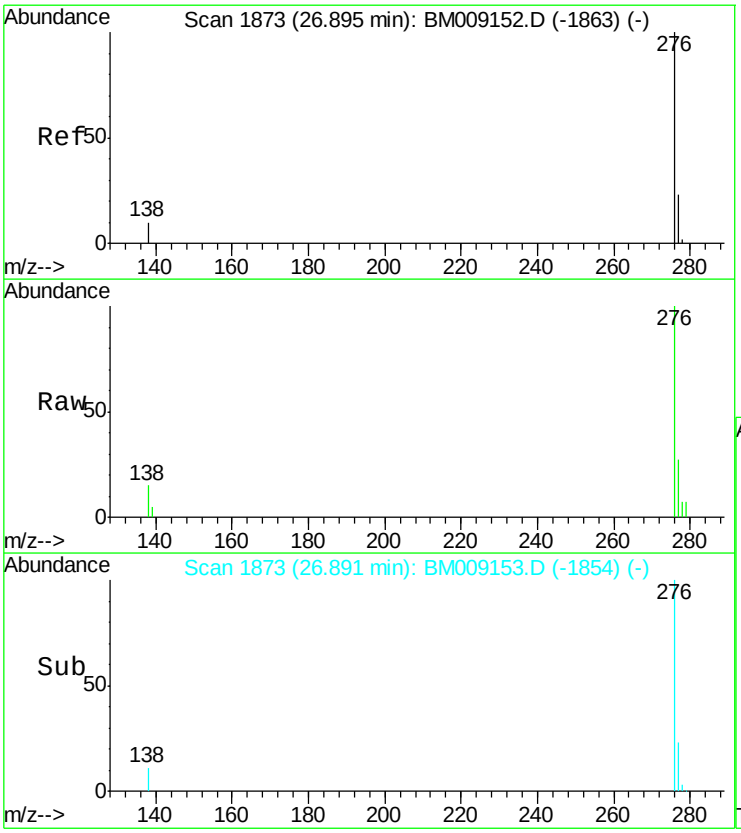
Tgt Ion:278 Resp: 1122

Ion	Ratio	Lower	Upper
278	100		
139	46.2	17.4	26.0#
279	41.9	25.9	38.9#

Instrument :
BNA_M
ClientSampleId :
C0AJ2

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:21 PM





#26
Benzo(g,h,i)perylene
Concen: 0.70 ng/ul m
RT: 26.89 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM009153.D
Acq: 09 Mar 2017 19:45

Tgt Ion:276 Resp: 3711

Ion	Ratio	Lower	Upper
276	100		
277	27.2	21.8	32.8
138	15.1	20.5	30.7#