Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031117\
Data File : BM009209.D
Acq On : 11 Mar 2017 15:54
Operator : SJ/MA
Sample : I2107-11DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

Quant Time: Mar 13 11:58:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	218	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	697	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	409	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	938	0.40	ng/ul	0.00
16) Chrysene-d12	21.44	240	1043	0.40	ng/ul	0.00
20) Perylene-d12	23.77	264	1067	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	46	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.29	212	101	0.03	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	402	0.20	ng/ul#	70
5) 2-Methylnaphthalene	12.34	142	346	0.24	ng/ul	100
7) Acenaphthylene	14.23	152	150	0.07	ng/ul#	33
8) Acenaphthene	14.57	153	48	0.03	ng/ul#	80
9) Fluorene	15.56	166	54	0.03	ng/ul#	68
12) Phenanthrene	17.30	178	1269	0.43	ng/ul	93
13) Anthracene	17.40	178	333m	0.11	ng/ul	
15) Fluoranthene	19.31	202	2538	0.66	ng/ul	98
17) Pyrene	19.68	202	2465	0.69	ng/ul	95
18) Benzo(a)anthracene	21.42	228	1414	0.41	ng/ul	93
19) Chrysene	21.47	228	1490m	0.45	ng/ul	
21) Benzo(b)fluoranthene	23.07	252	2271m	0.54	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	553m	0.15	ng/ul	
23) Benzo(a)pyrene	23.67	252	1320m	0.35	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.15	276	981	0.20	ng/ul#	89
25) Dibenzo(a,h)anthracene	26.16	278	265	0.07	ng/ul#	33
26) Benzo(g,h,i)perylene	26.88	276	918	0.22	ng/ul#	90

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

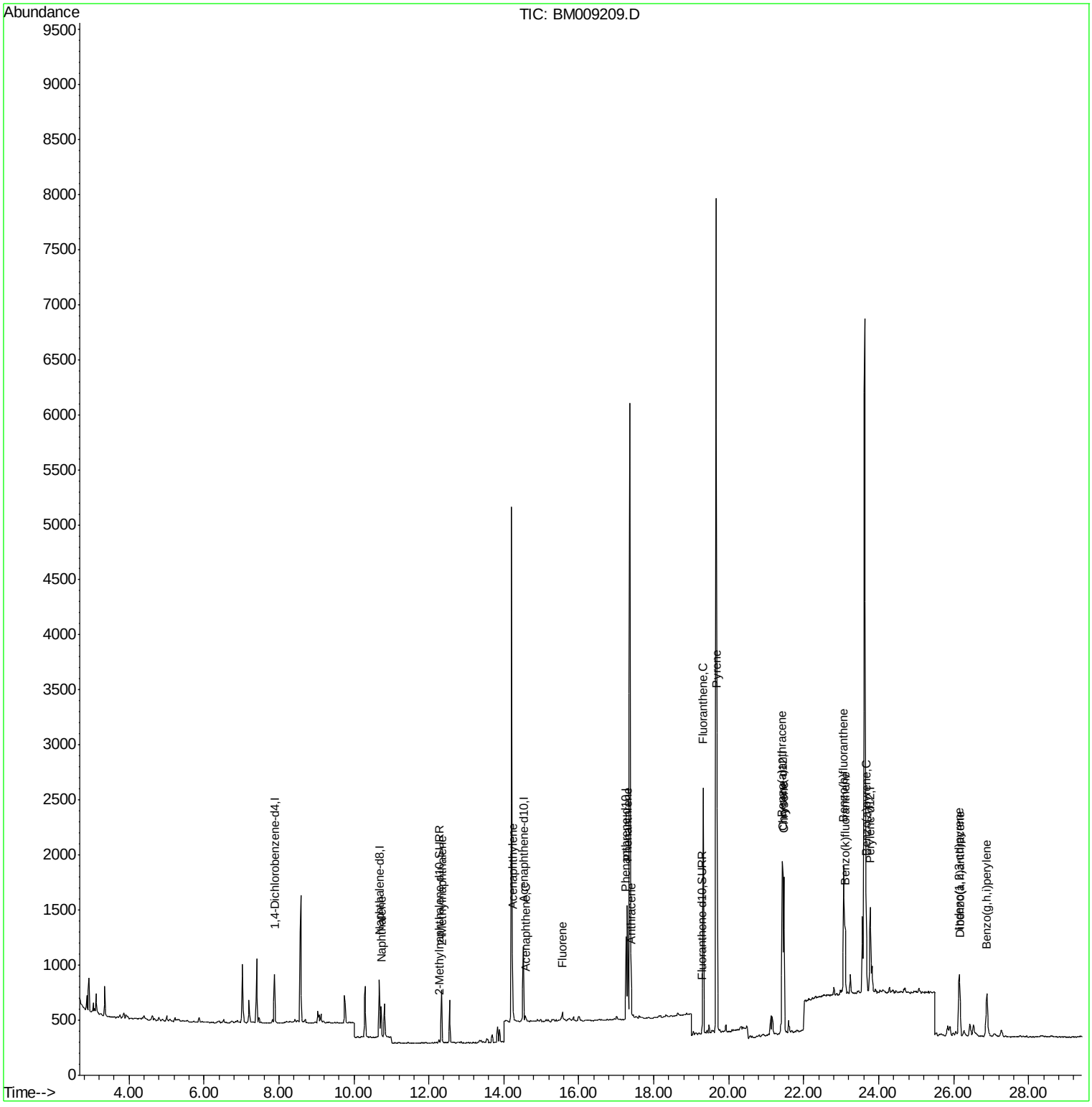
Quantitation Report (QT Reviewed)

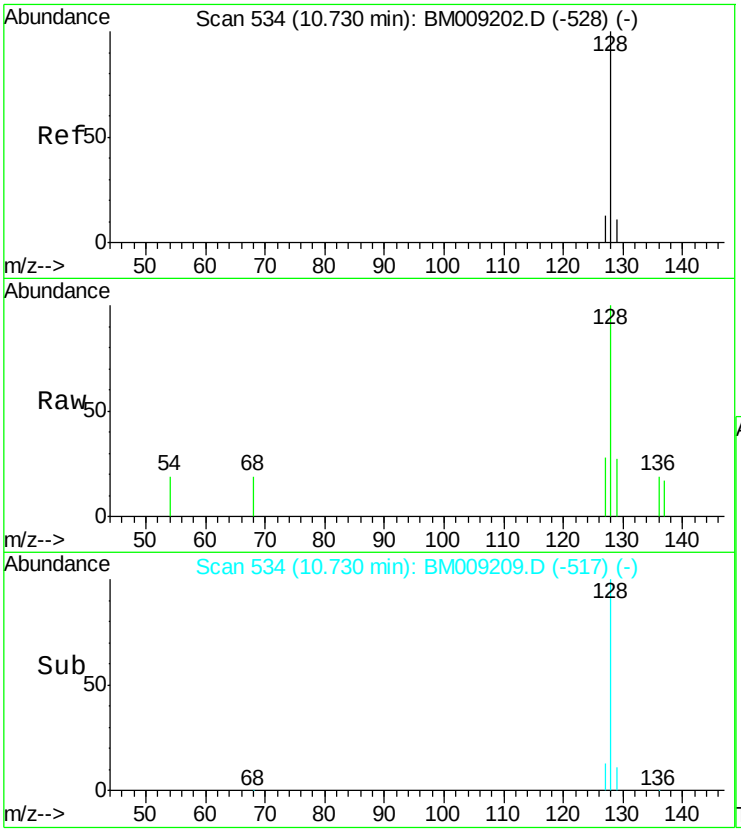
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031117\
Data File : BM009209.D
Acq On : 11 Mar 2017 15:54
Operator : SJ/MA
Sample : I2107-11DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 13 11:58:30 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 13 11:21:07 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

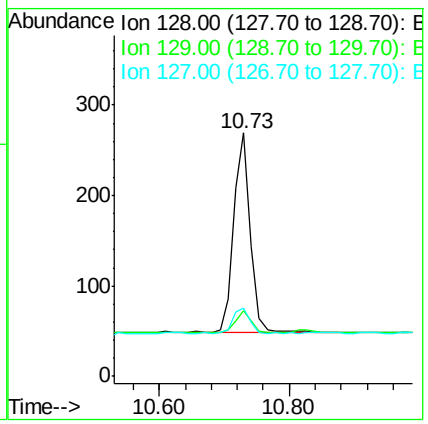




#3
Naphthalene
Concen: 0.20 ng/ul
RT: 10.73 min Scan# 534
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

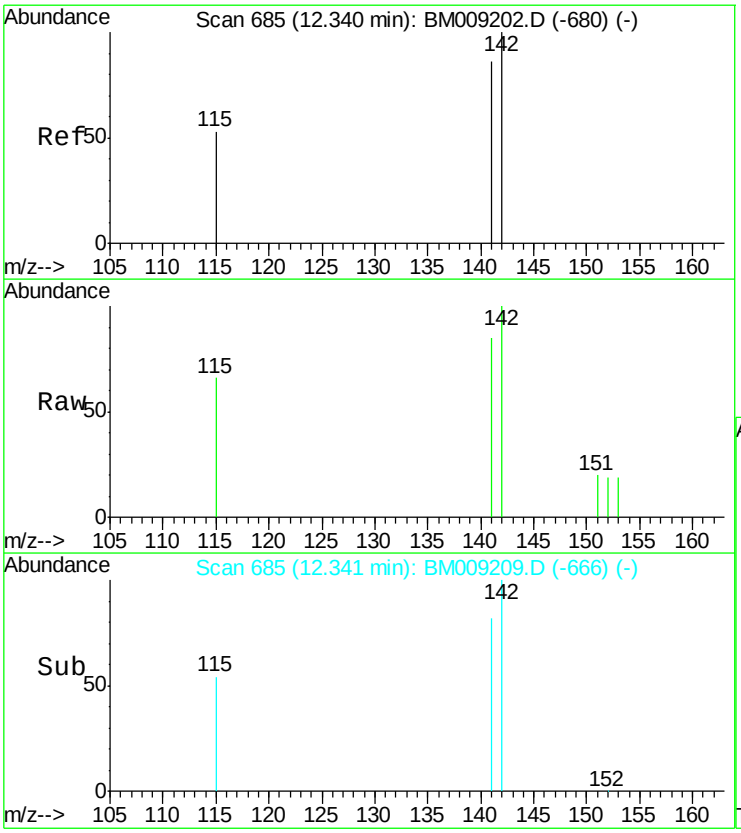
Tgt Ion:128 Resp: 402

Ion	Ratio	Lower	Upper
128	100		
129	27.1	11.3	16.9#
127	28.3	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
C0AK0DL

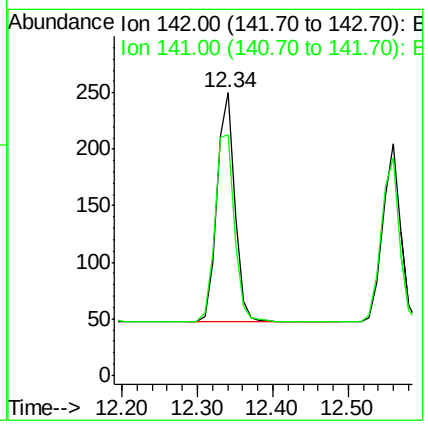
Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

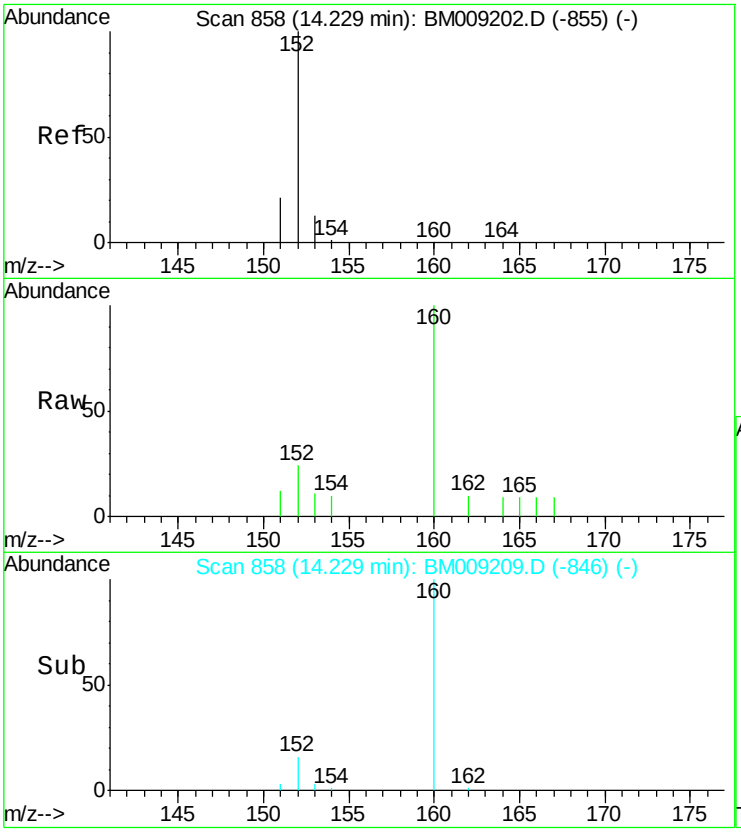


#5
2-Methylnaphthalene
Concen: 0.24 ng/ul
RT: 12.34 min Scan# 685
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:142 Resp: 346

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.6	108.8

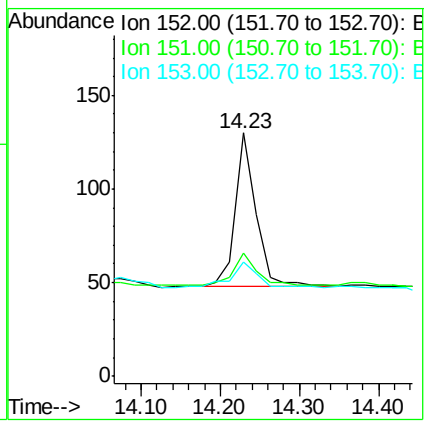




#7
Acenaphthylene
Concen: 0.07 ng/ul
RT: 14.23 min Scan# 858
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

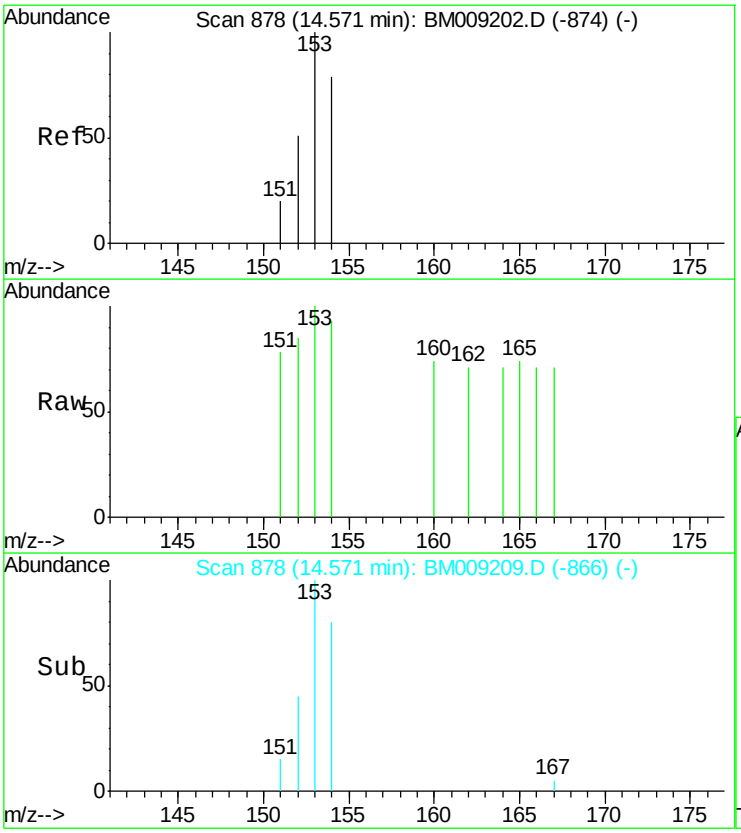
Tgt Ion:152 Resp: 150

Ion	Ratio	Lower	Upper
152	100		
151	50.8	17.1	25.7#
153	46.9	12.8	19.2#



Instrument :
BNA_M
ClientSampleId :
C0AK0DL

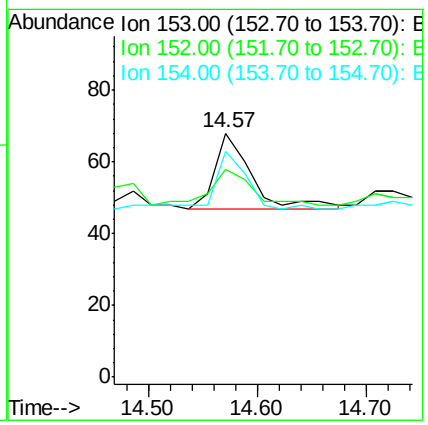
Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

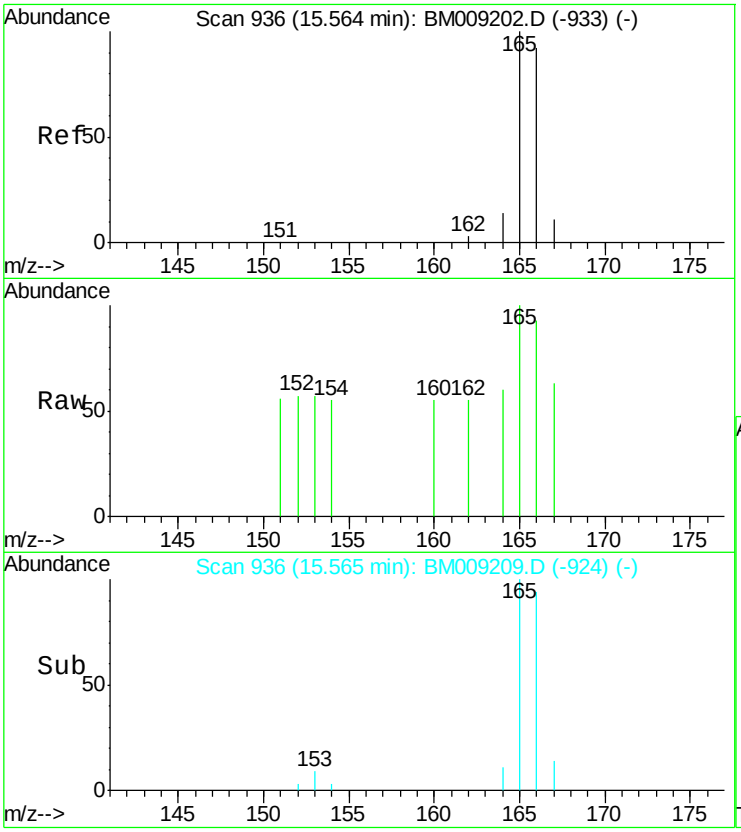


#8
Acenaphthene
Concen: 0.03 ng/ul
RT: 14.57 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:153 Resp: 48

Ion	Ratio	Lower	Upper
153	100		
152	85.3	40.3	60.5#
154	92.6	71.4	107.2

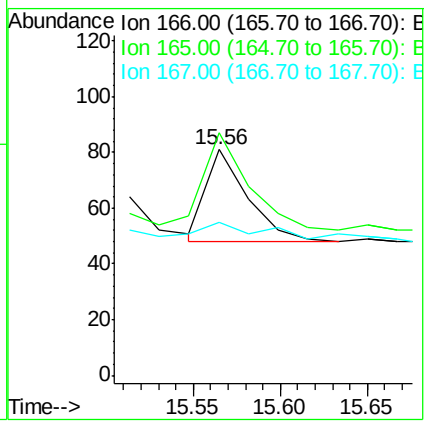




#9
Fluorene
Concen: 0.03 ng/ul
RT: 15.56 min Scan# 936
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

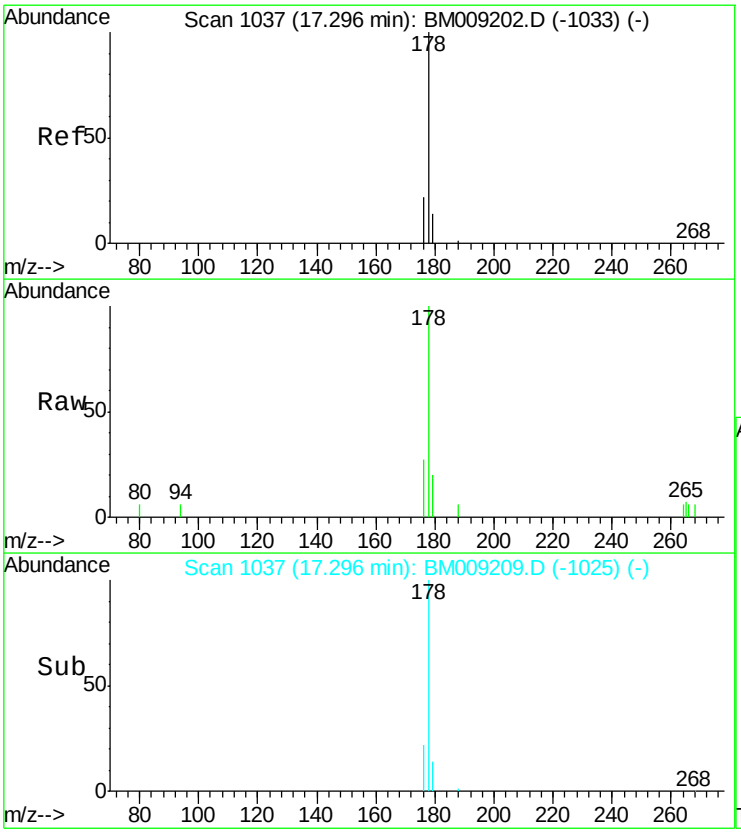
Tgt Ion:166 Resp: 54

Ion	Ratio	Lower	Upper
166	100		
165	107.4	73.4	110.2
167	67.9	14.6	22.0#



Instrument :
BNA_M
ClientSampleId :
C0AK0DL

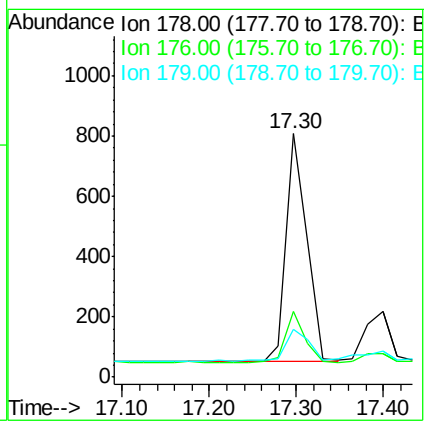
Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

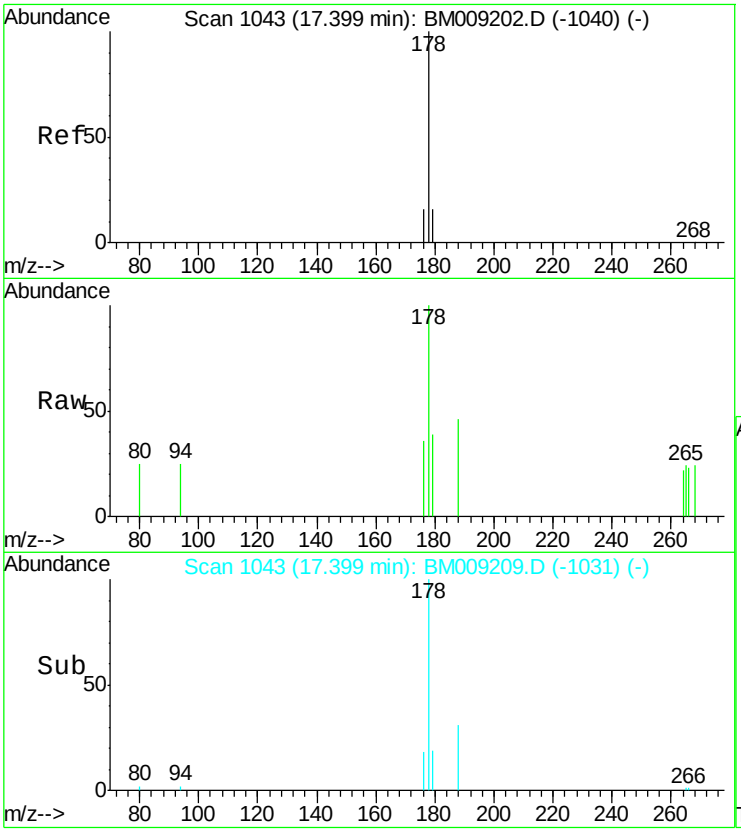


#12
Phenanthrene
Concen: 0.43 ng/ul
RT: 17.30 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:178 Resp: 1269

Ion	Ratio	Lower	Upper
178	100		
176	27.0	18.4	27.6
179	19.8	13.6	20.4





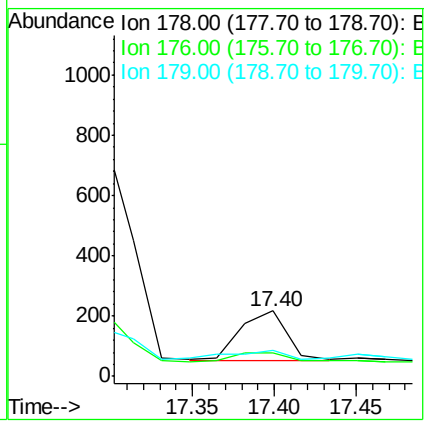
#13
Anthracene
Concen: 0.11 ng/ul m
RT: 17.40 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

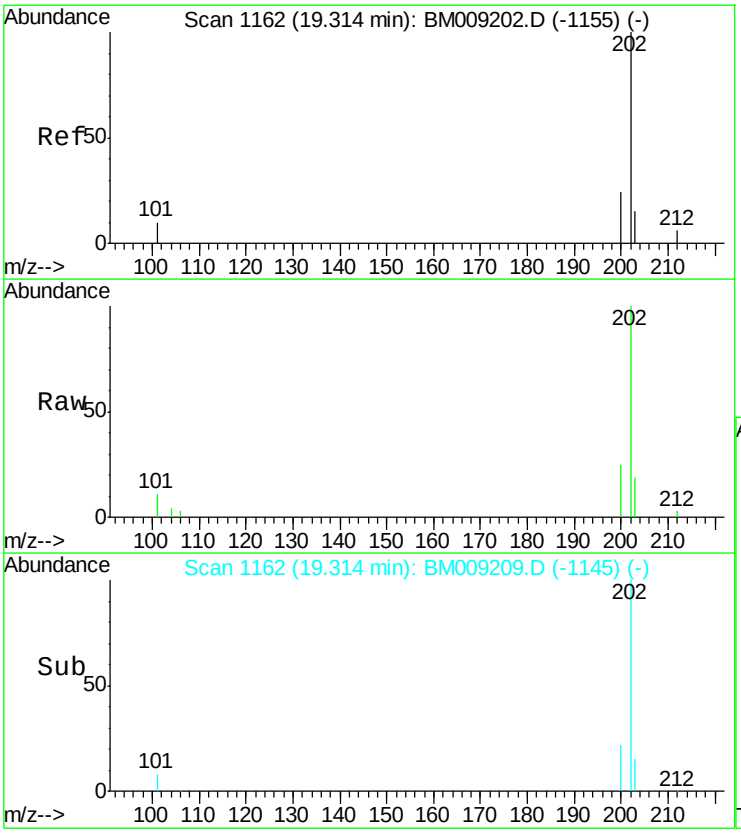
Tgt Ion:178 Resp: 333

Ion	Ratio	Lower	Upper
178	100		
176	36.4	18.1	27.1#
179	39.2	14.7	22.1#

Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

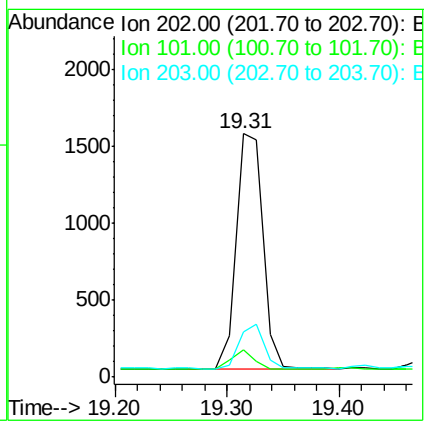


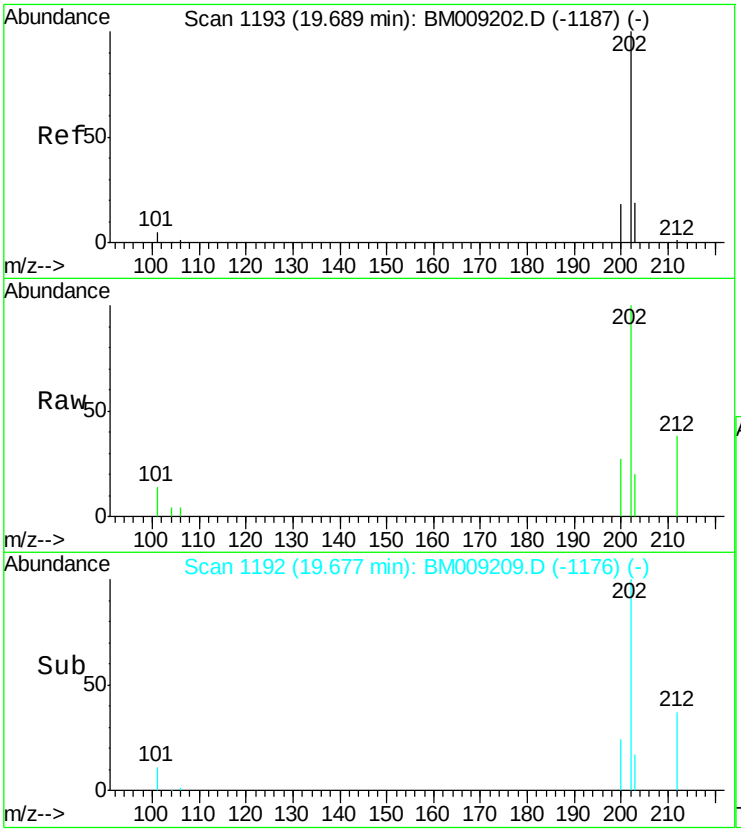


#15
Fluoranthene
Concen: 0.66 ng/ul
RT: 19.31 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:202 Resp: 2538

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.3
203	18.6	0.0	39.5

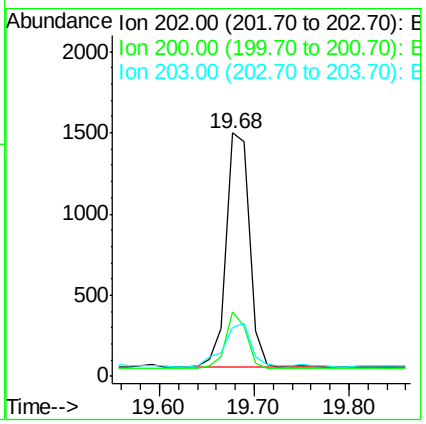




#17
Pyrene
Concen: 0.69 ng/ul
RT: 19.68 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

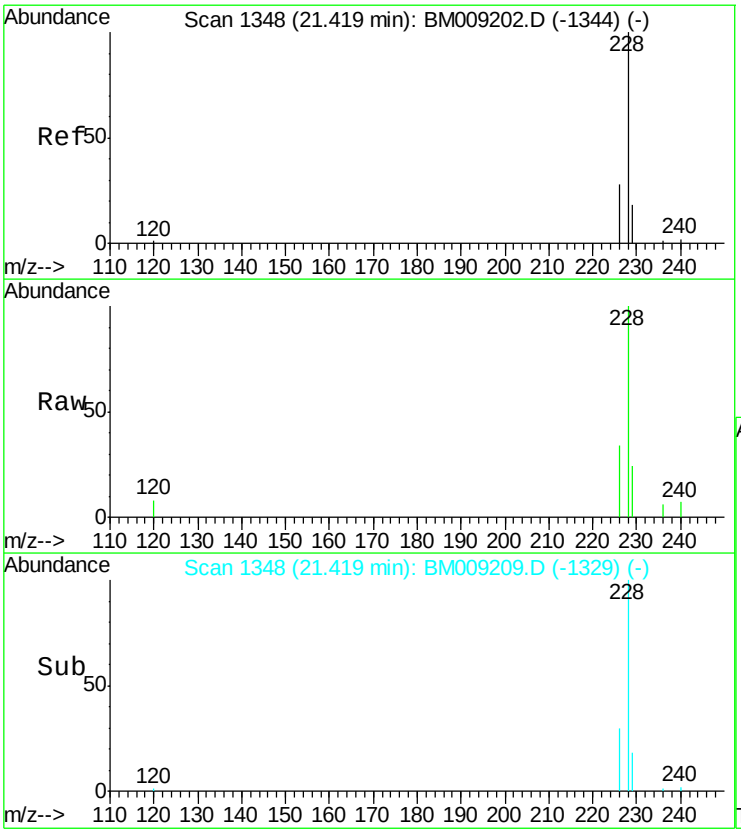
Tgt Ion:202 Resp: 2465

Ion	Ratio	Lower	Upper
202	100		
200	26.7	18.2	27.4
203	20.0	15.6	23.4



Instrument :
BNA_M
ClientSampleId :
C0AK0DL

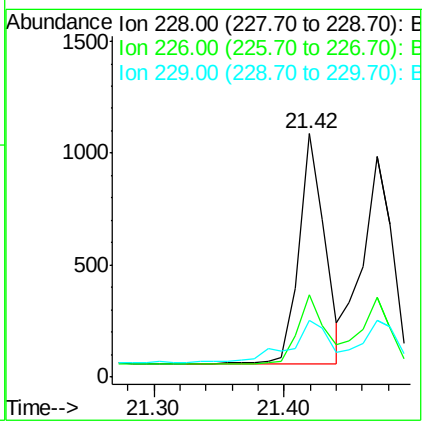
Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

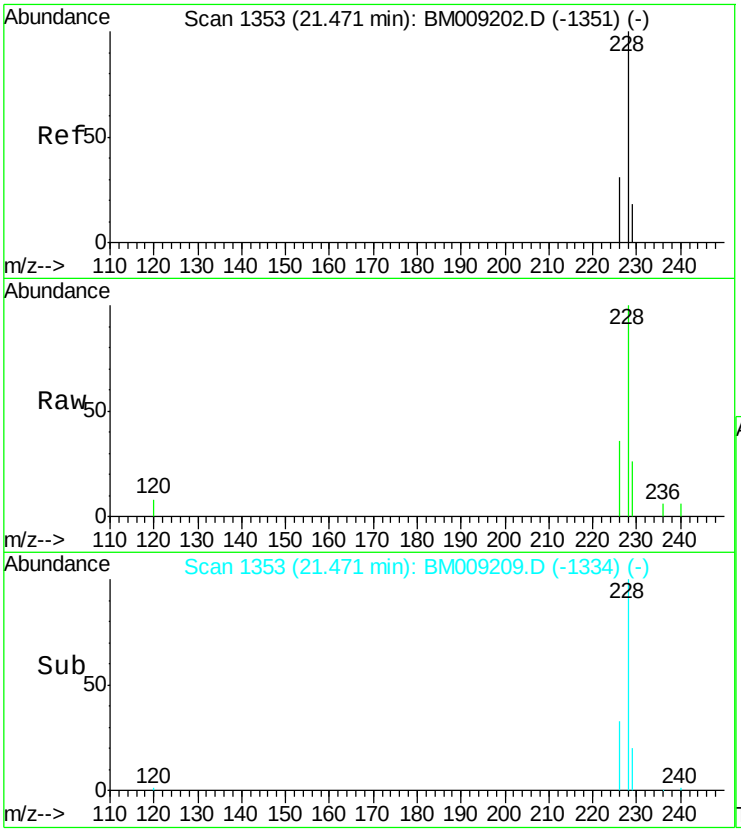


#18
Benzo(a)anthracene
Concen: 0.41 ng/ul
RT: 21.42 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:228 Resp: 1414

Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.8	34.2
229	23.5	17.0	25.6





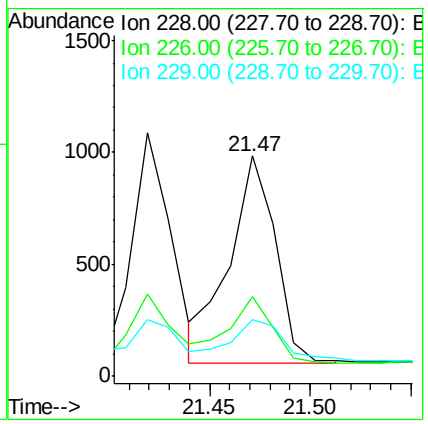
#19
Chrysene
Concen: 0.45 ng/ul m
RT: 21.47 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

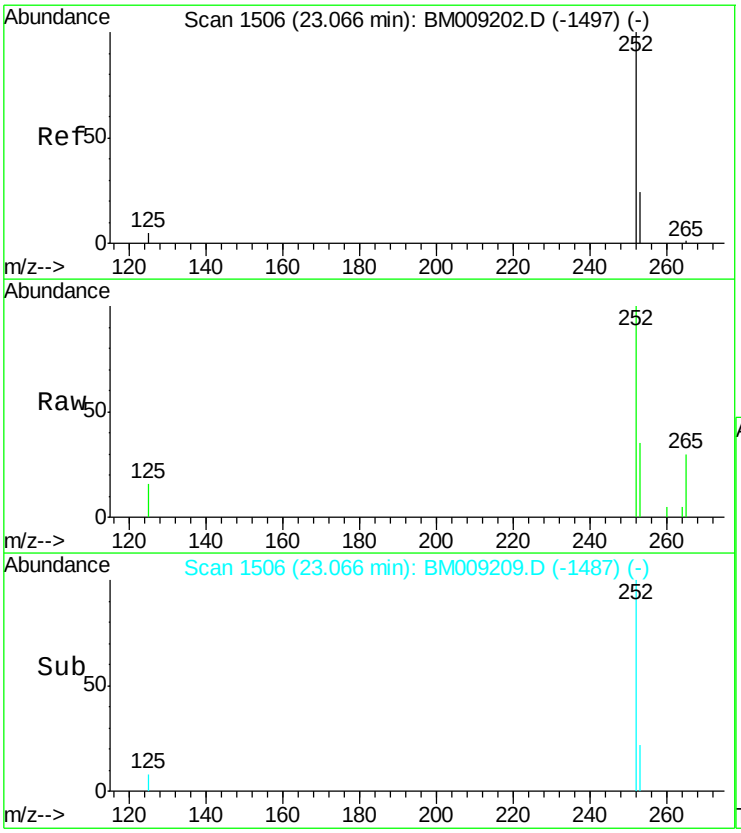
Tgt Ion:228 Resp: 1490

Ion	Ratio	Lower	Upper
228	100		
226	36.4	23.4	35.0#
229	25.9	17.7	26.5

Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

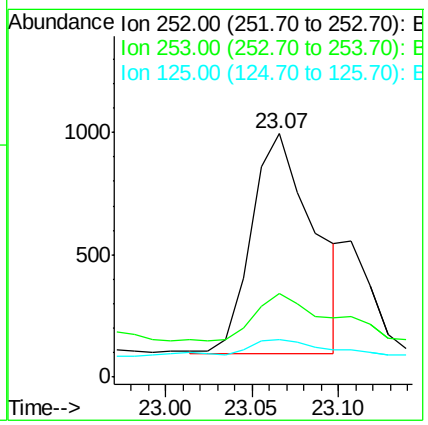


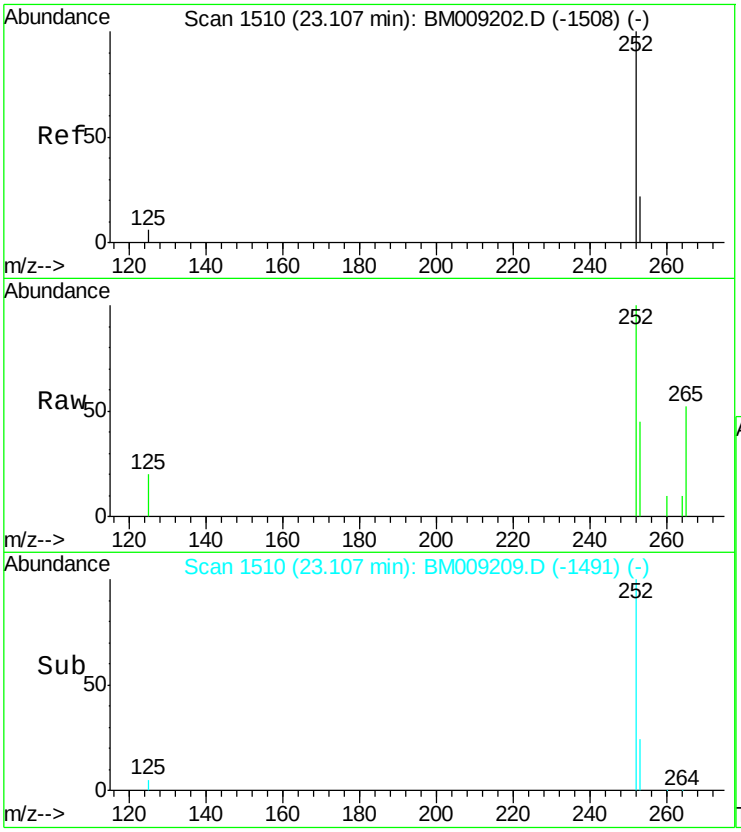


#21
Benzo(b)fluoranthene
Concen: 0.54 ng/ul m
RT: 23.07 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:252 Resp: 2271

Ion	Ratio	Lower	Upper
252	100		
253	34.5	0.0	64.2
125	15.6	0.0	35.0





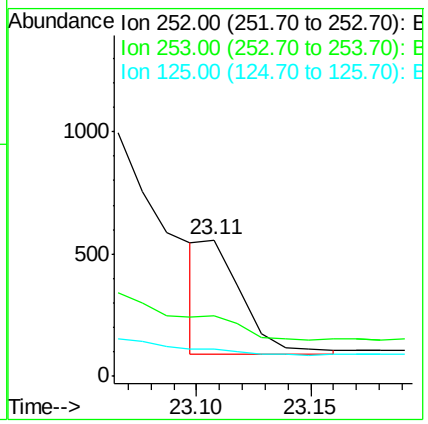
#22
Benzo(k)fluoranthene
Concen: 0.15 ng/ul m
RT: 23.11 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

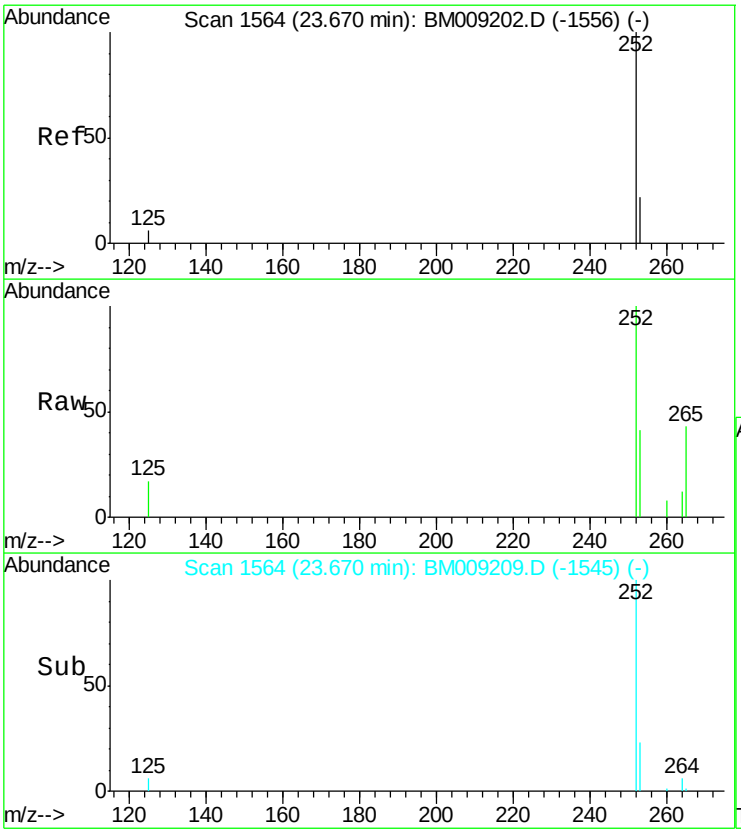
Tgt Ion:252 Resp: 553

Ion	Ratio	Lower	Upper
252	100		
253	44.7	24.5	36.7#
125	20.0	13.7	20.5

Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

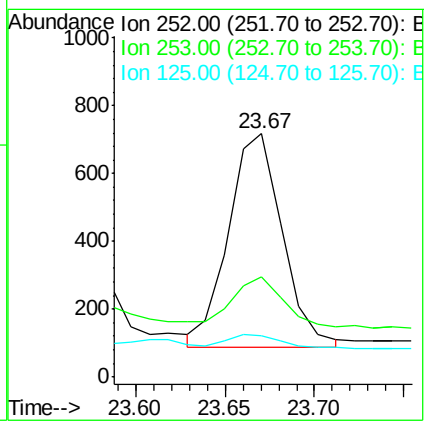


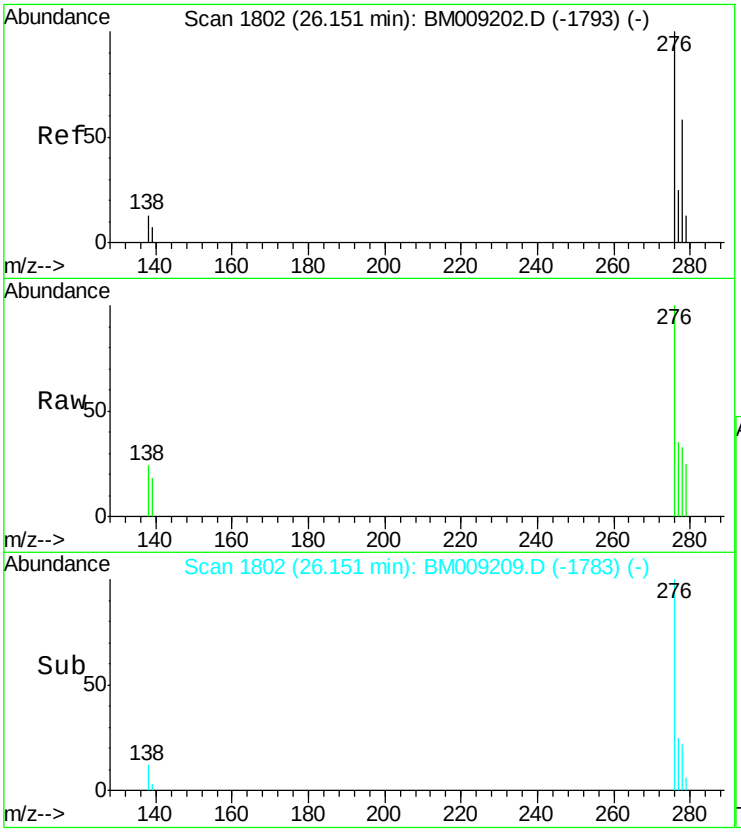


#23
Benzo(a)pyrene
Concen: 0.35 ng/ul m
RT: 23.67 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:252 Resp: 1320

Ion	Ratio	Lower	Upper
252	100		
253	41.1	28.5	42.7
125	16.9	18.1	27.1#





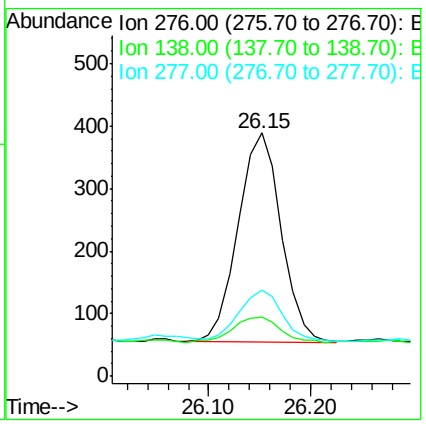
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.20 ng/ul
RT: 26.15 min Scan# 1802
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

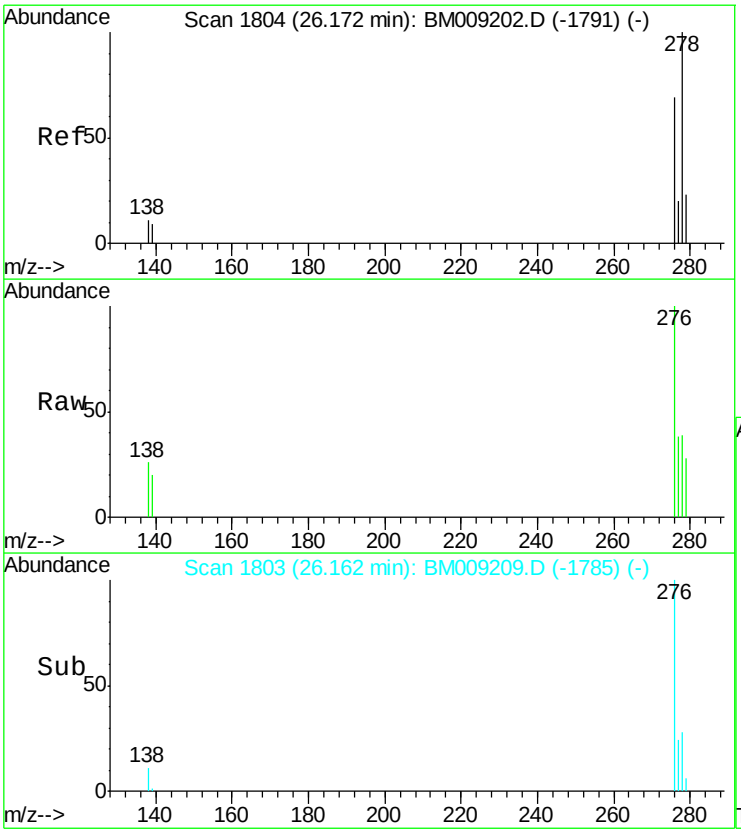
Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM

Tgt Ion:276 Resp: 981

Ion	Ratio	Lower	Upper
276	100		
138	13.1	19.1	28.7#
277	24.8	19.6	29.4

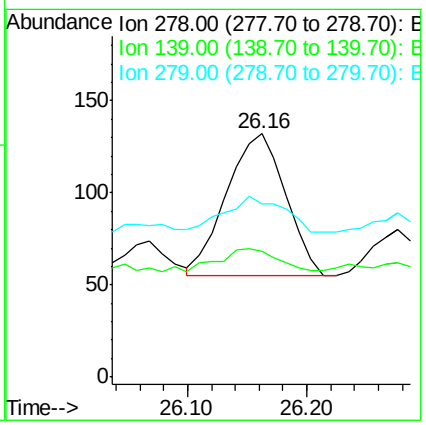


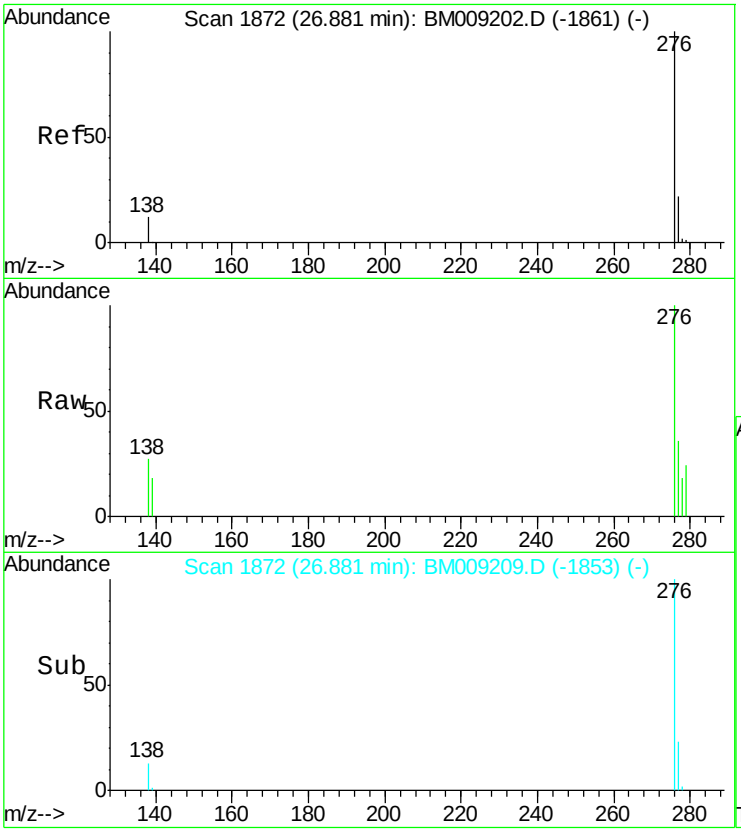


#25
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 26.16 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:278 Resp: 265

Ion	Ratio	Lower	Upper
278	100		
139	51.5	17.4	26.0#
279	71.2	25.9	38.9#

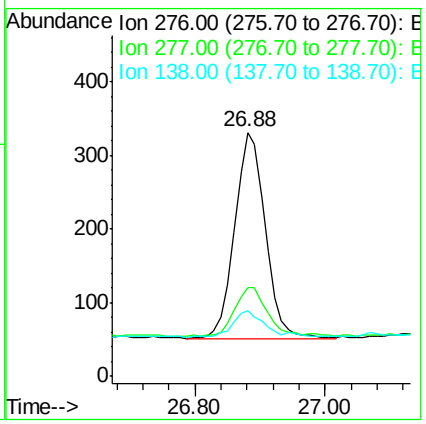




#26
Benzo(g,h,i)perylene
Concen: 0.22 ng/ul
RT: 26.88 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BM009209.D
Acq: 11 Mar 2017 15:54

Tgt Ion:276 Resp: 918

Ion	Ratio	Lower	Upper
276	100		
277	36.3	21.8	32.8#
138	27.2	20.5	30.7



Instrument :
BNA_M
ClientSampleId :
C0AK0DL

Manual Integrations APPROVED
mohammad
3/13/2017 5:13:34 PM