Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021837.D
Acq On : 05 Aug 2019 09:57
Operator : HP/JU
Sample : K3850-15
Misc :
ALS Vial : 80 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

Quant Time: Aug 05 13:49:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	942	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	3774	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2212	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	5681m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	5840m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6245m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1059	0.17	ng/ul	-0.03
14) Fluoranthene-d10	19.07	212	3377m	0.18	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.46	128	3053	0.286	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	2631	0.370	ng/ul	96
7) Acenaphthylene	14.01	152	16966	1.645	ng/ul	94
8) Acenaphthene	14.35	153	2008	0.238	ng/ul	96
9) Fluorene	15.34	166	3256	0.347	ng/ul	98
12) Phenanthrene	17.08	178	88384m	5.347	ng/ul	
13) Anthracene	17.17	178	23884m	1.694	ng/ul	
15) Fluoranthene	19.10	202	240685m	10.870	ng/ul	
17) Pyrene	19.47	202	198796	8.284	ng/ul	97
18) Benzo(a)anthracene	21.22	228	131451	6.293	ng/ul	98
19) Chrysene	21.27	228	138485	5.155	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	224475m	10.659	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	74432m	3.123	ng/ul	
23) Benzo(a)pyrene	23.36	252	136551m	6.376	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	116938m	4.573	ng/ul	
25) Dibenzo(a,h)anthracene	25.68	278	32027m	1.550	ng/ul	
26) Benzo(g,h,i)perylene	26.36	276	118094m	5.130	ng/ul	

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

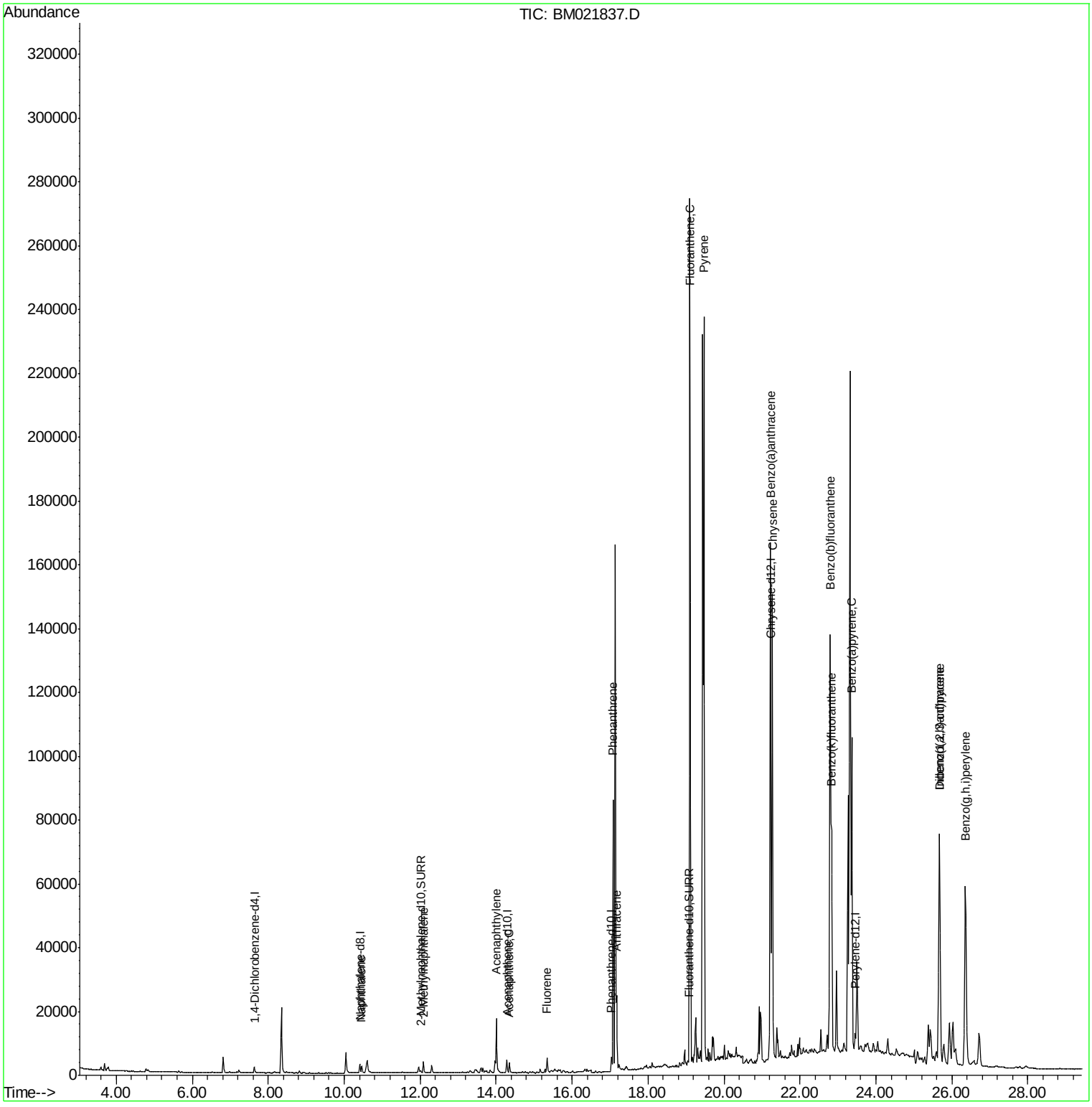
Quantitation Report (QT Reviewed)

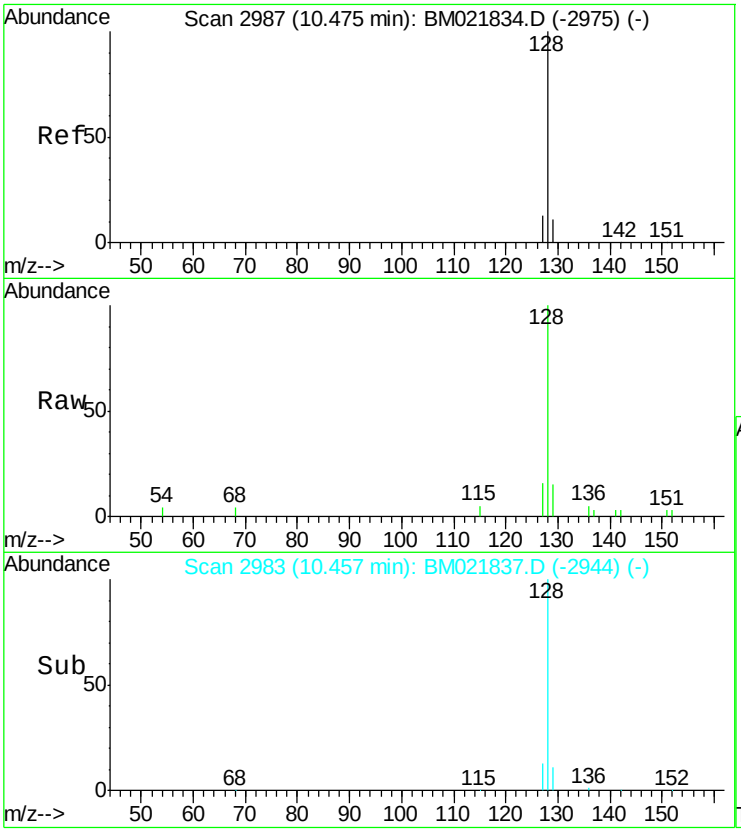
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080319\
Data File : BM021837.D
Acq On : 05 Aug 2019 09:57
Operator : HP/JU
Sample : K3850-15
Misc :
ALS Vial : 80 Sample Multiplier: 1

Quant Time: Aug 05 13:49:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

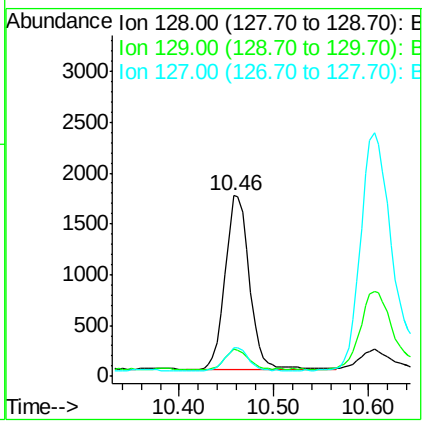




#3
Naphthalene
Concen: 0.286 ng/ul
RT: 10.46 min Scan# 2983
Delta R.T. -0.03 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

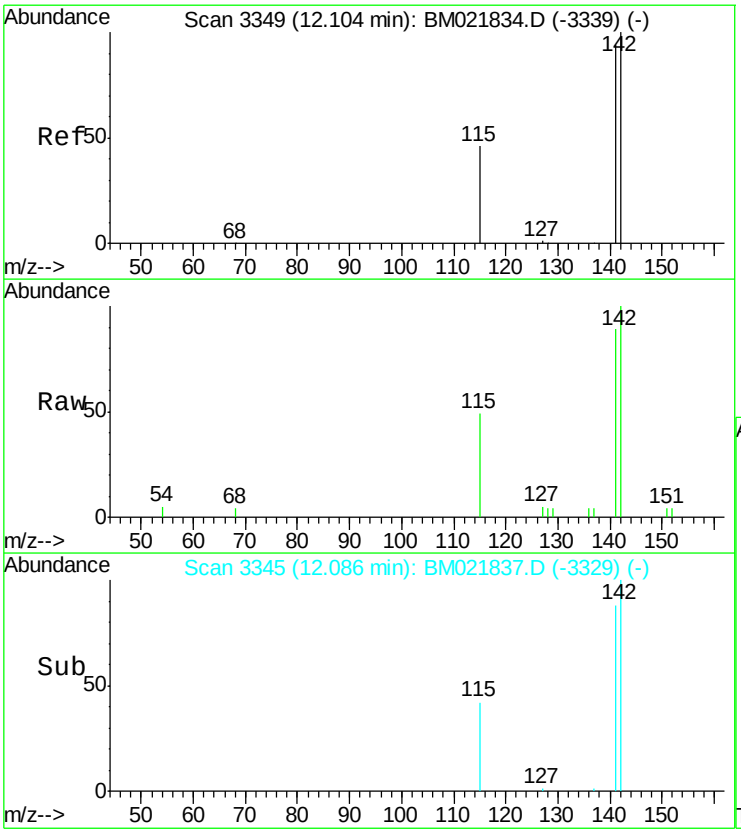
Tgt Ion:128 Resp: 3053

Ion	Ratio	Lower	Upper
128	100		
129	14.9	12.3	18.5
127	15.9	13.0	19.6



Instrument :
BNA_M
ClientSampleId :
BENS2

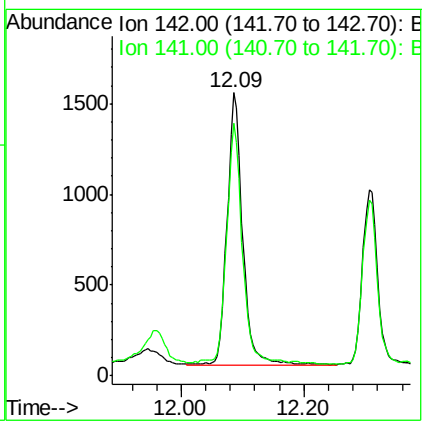
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

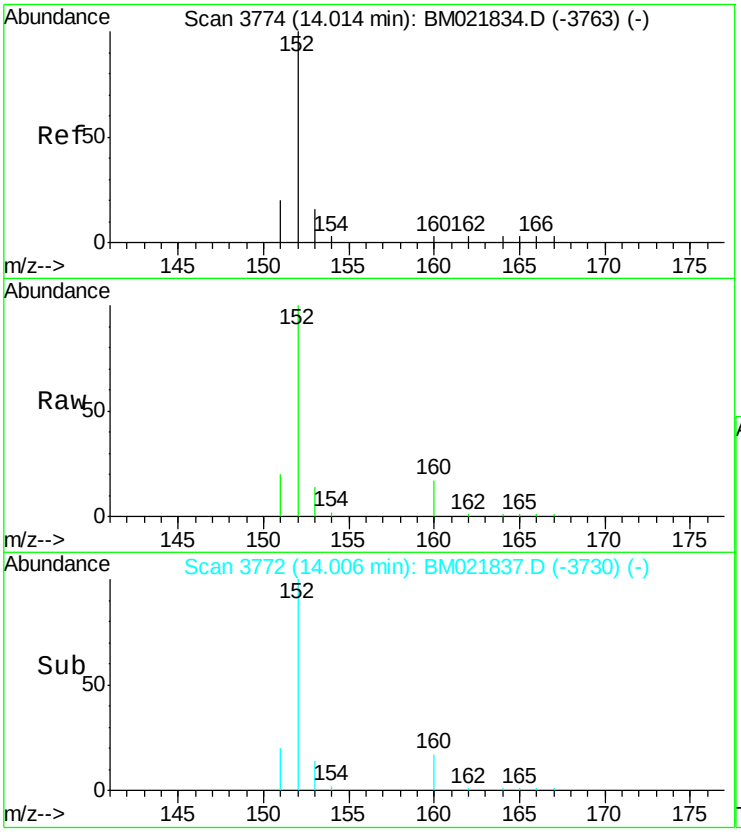


#5
2-Methylnaphthalene
Concen: 0.370 ng/ul
RT: 12.09 min Scan# 3345
Delta R.T. -0.03 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:142 Resp: 2631

Ion	Ratio	Lower	Upper
142	100		
141	88.8	74.3	111.5

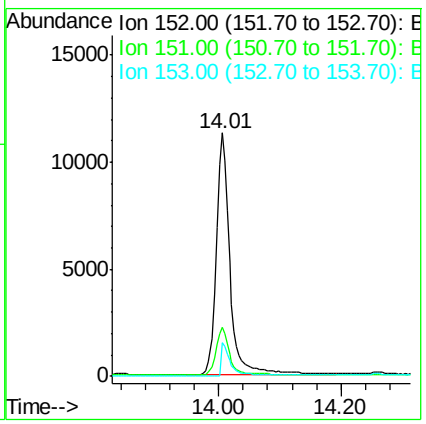




#7
Acenaphthylene
Concen: 1.645 ng/ul
RT: 14.01 min Scan# 3772
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

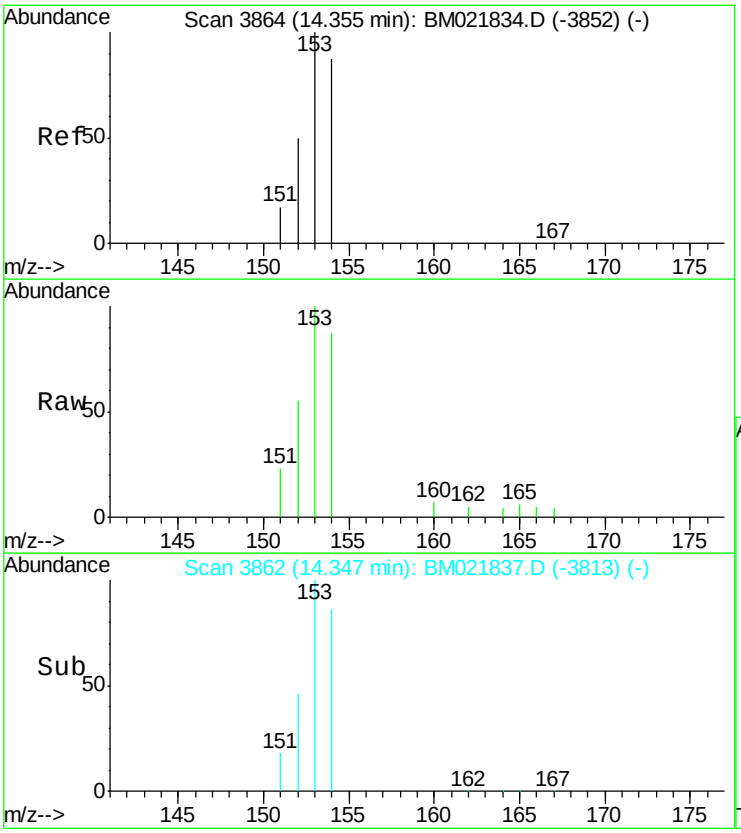
Tgt Ion:152 Resp: 16966

Ion	Ratio	Lower	Upper
152	100		
151	20.2	18.3	27.5
153	13.7	12.8	19.2



Instrument :
BNA_M
ClientSampleId :
BENS2

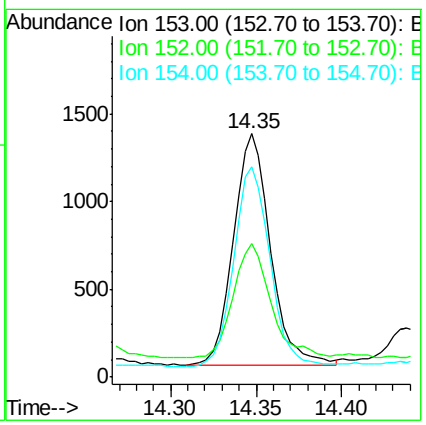
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

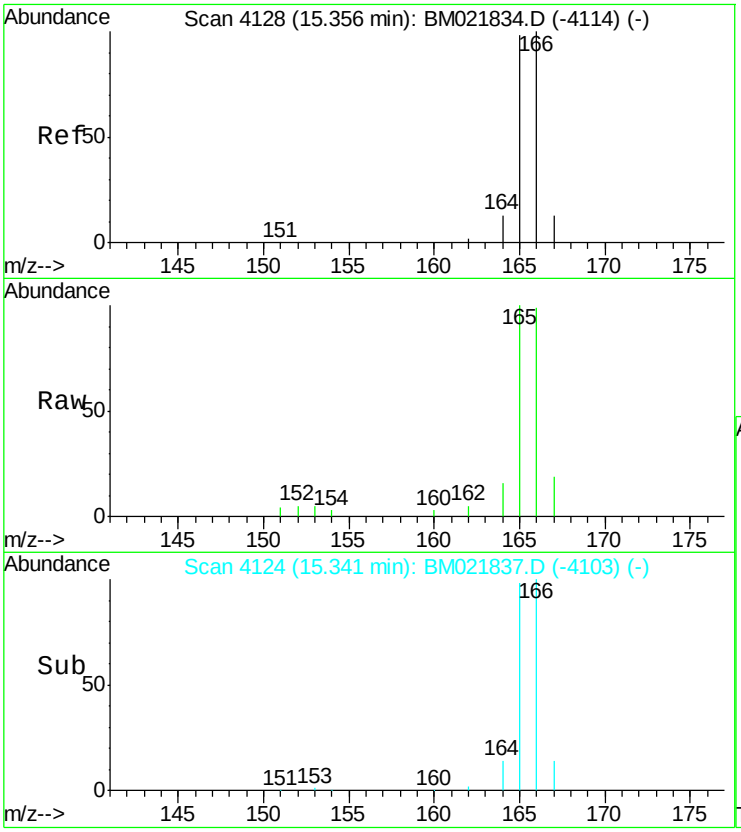


#8
Acenaphthene
Concen: 0.238 ng/ul
RT: 14.35 min Scan# 3862
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:153 Resp: 2008

Ion	Ratio	Lower	Upper
153	100		
152	54.8	41.3	61.9
154	86.5	72.3	108.5





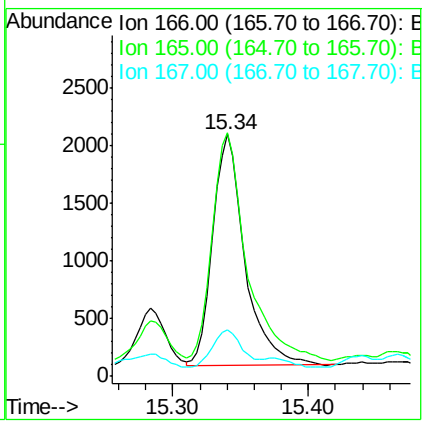
#9
Fluorene
Concen: 0.347 ng/ul
RT: 15.34 min Scan# 4124
Delta R.T. -0.02 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

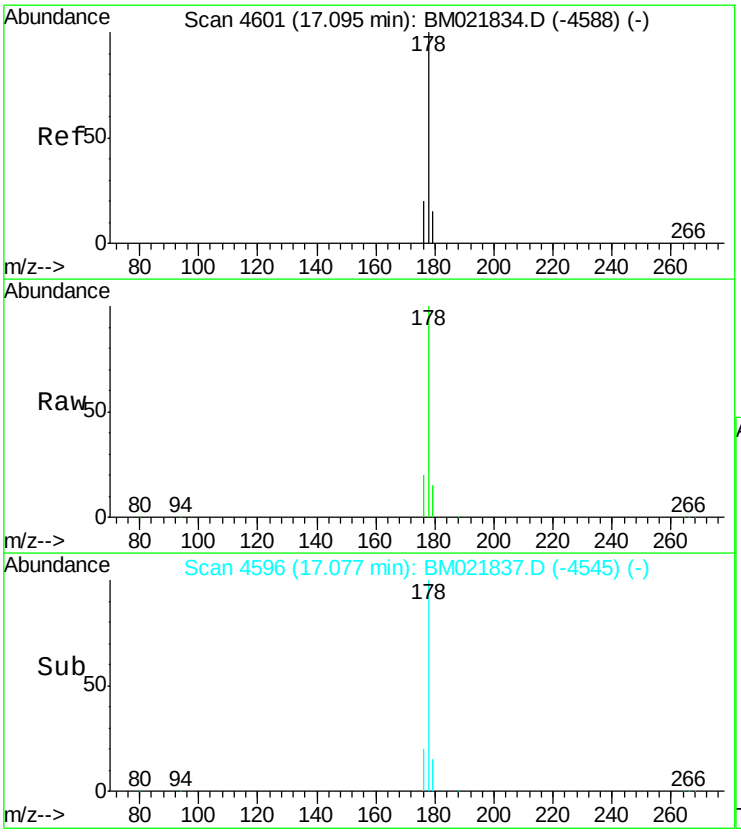
Tgt Ion:166 Resp: 3256

Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.4	122.0
167	19.4	13.7	20.5

Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

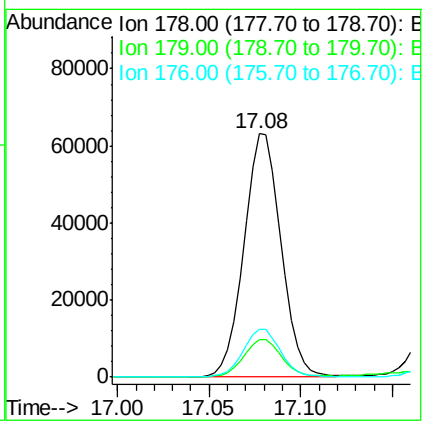


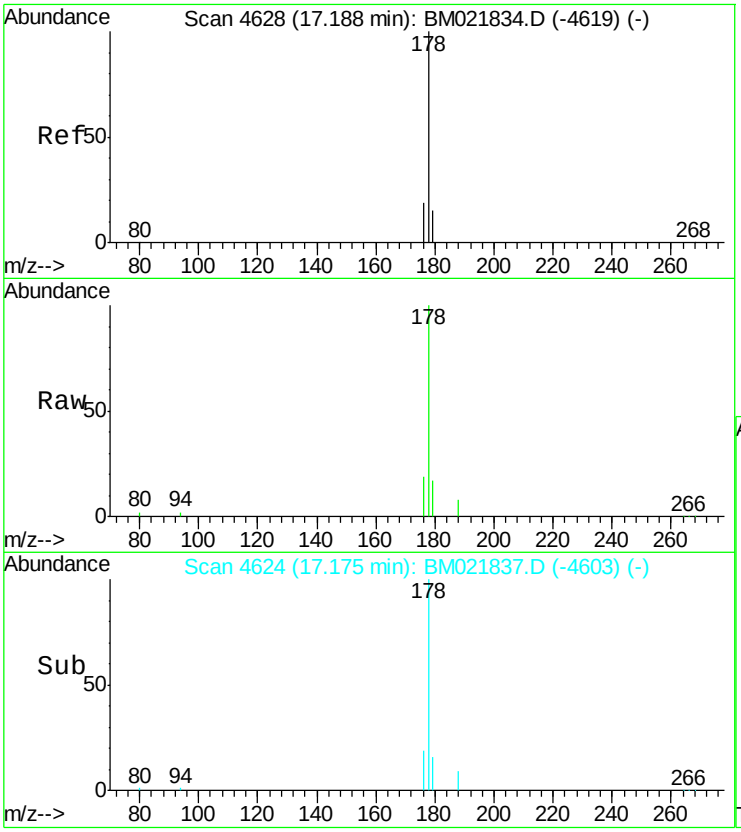


#12
Phenanthrene
Concen: 5.347 ng/ul m
RT: 17.08 min Scan# 4596
Delta R.T. -0.02 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:178 Resp: 88384

Ion	Ratio	Lower	Upper
178	100		
179	15.4	14.2	21.2
176	19.9	16.8	25.2

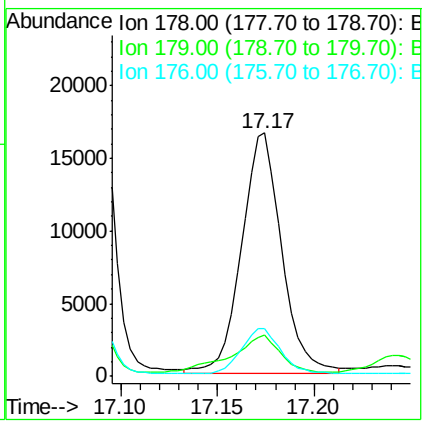




#13
Anthracene
Concen: 1.694 ng/ul m
RT: 17.17 min Scan# 4624
Delta R.T. -0.03 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

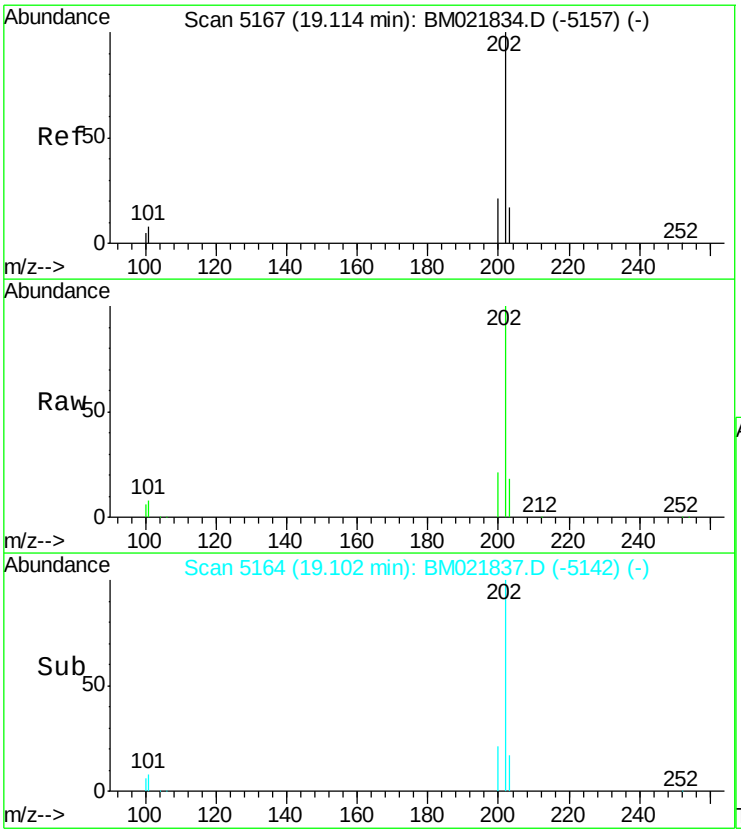
Tgt Ion:178 Resp: 23884

Ion	Ratio	Lower	Upper
178	100		
179	16.8	15.5	23.3
176	19.4	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BENS2

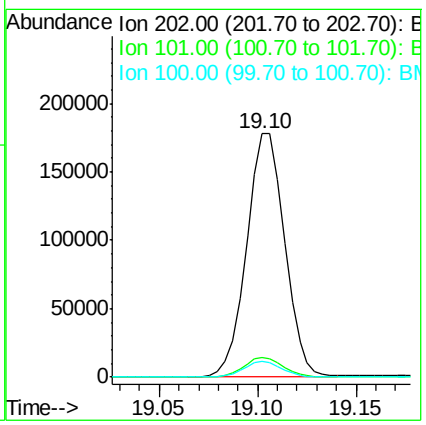
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

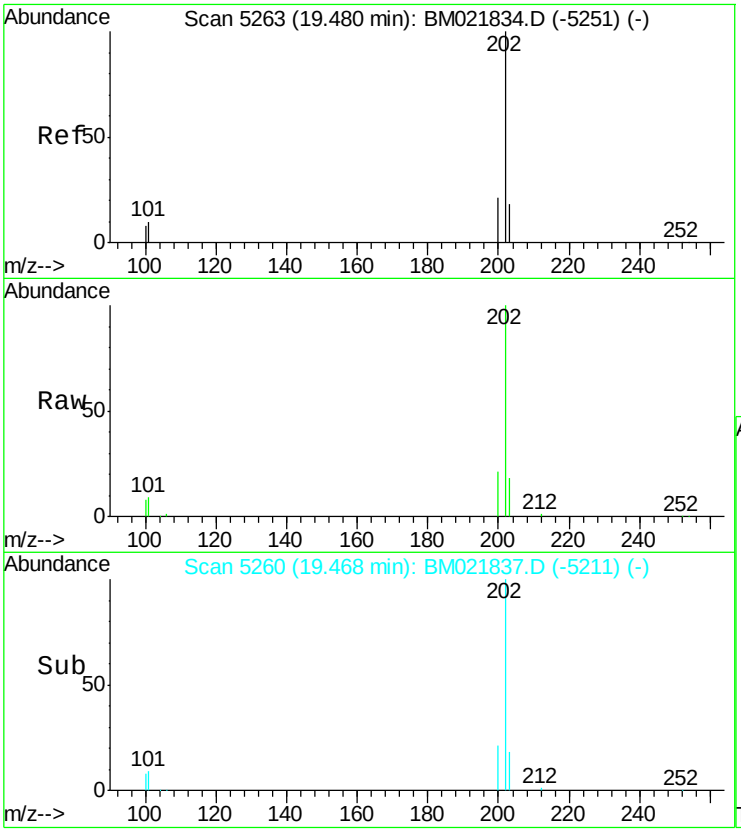


#15
Fluoranthene
Concen: 10.870 ng/ul m
RT: 19.10 min Scan# 5164
Delta R.T. -0.02 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:202 Resp: 240685

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	30.2
100	6.4	0.0	28.1

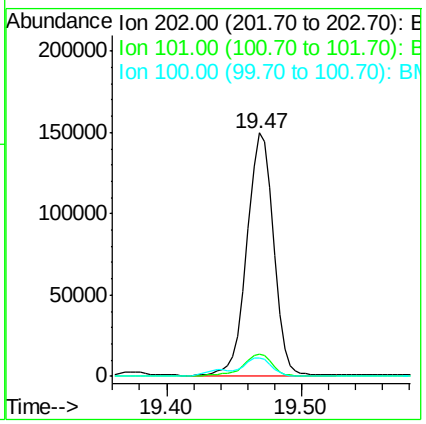




#17
Pyrene
Concen: 8.284 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

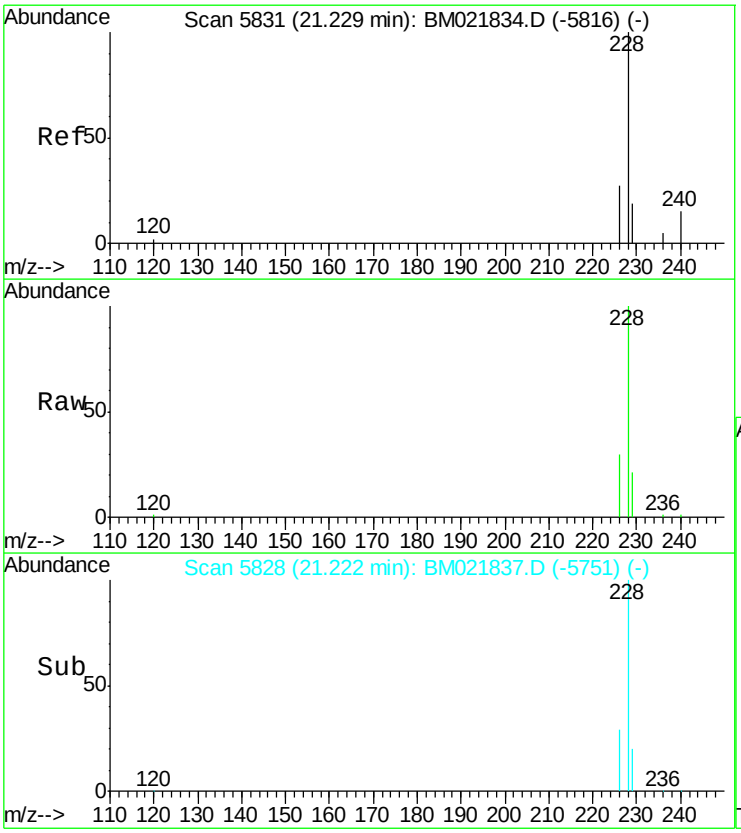
Tgt Ion:202 Resp: 198796

Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.3	12.5
100	7.7	7.2	10.8



Instrument :
BNA_M
ClientSampleId :
BENS2

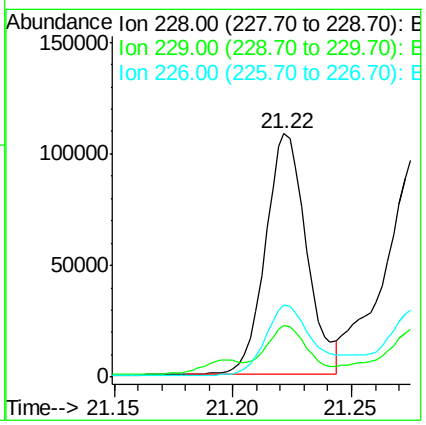
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

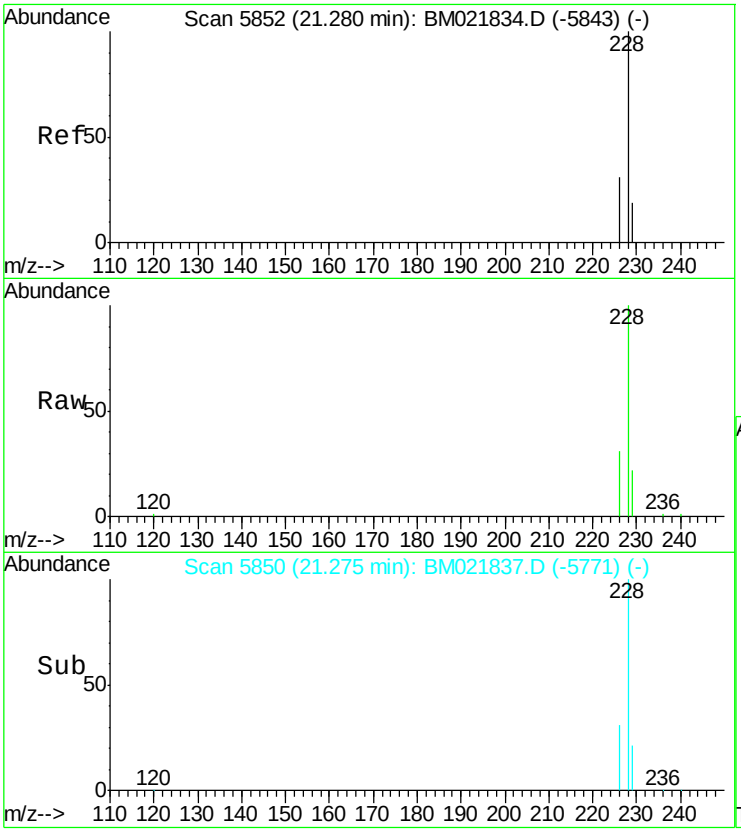


#18
Benzo(a)anthracene
Concen: 6.293 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:228 Resp: 131451

Ion	Ratio	Lower	Upper
228	100		
229	21.1	17.2	25.8
226	29.5	22.6	34.0

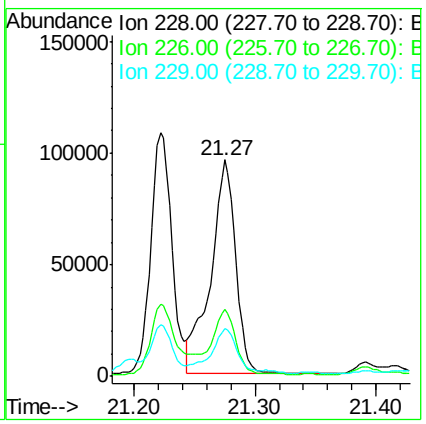




#19
Chrysene
Concen: 5.155 ng/ul
RT: 21.27 min Scan# 5850
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

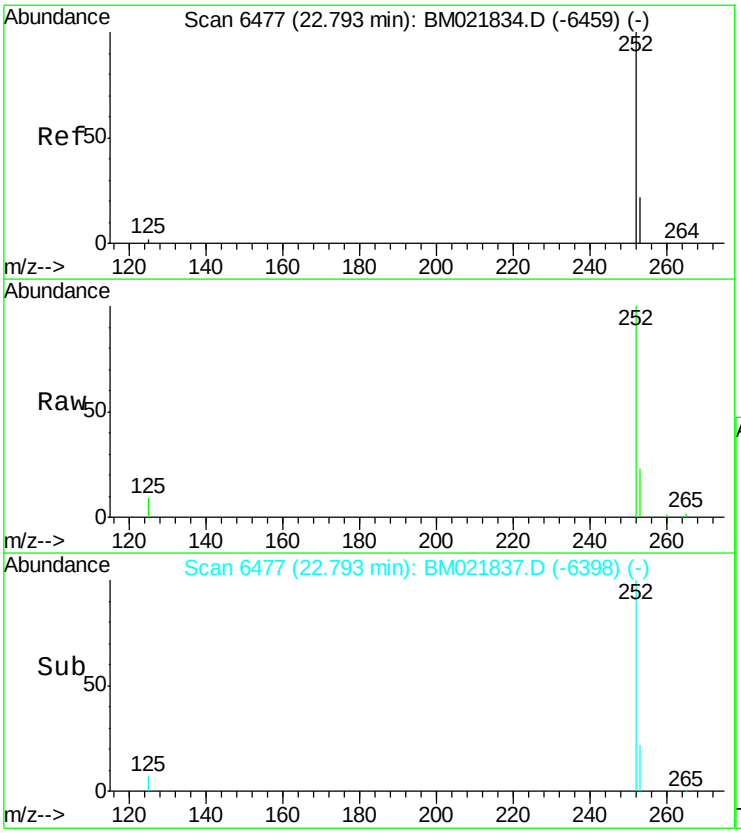
Tgt Ion:228 Resp: 138485

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	22.3	16.6	25.0



Instrument :
BNA_M
ClientSampleId :
BENS2

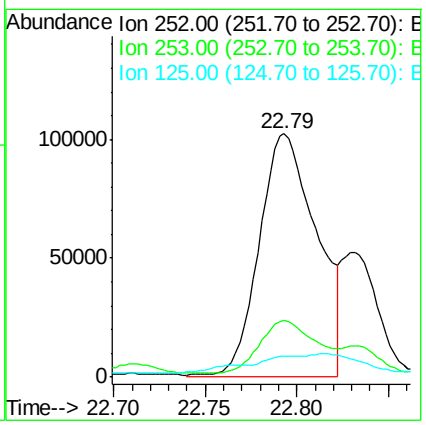
Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

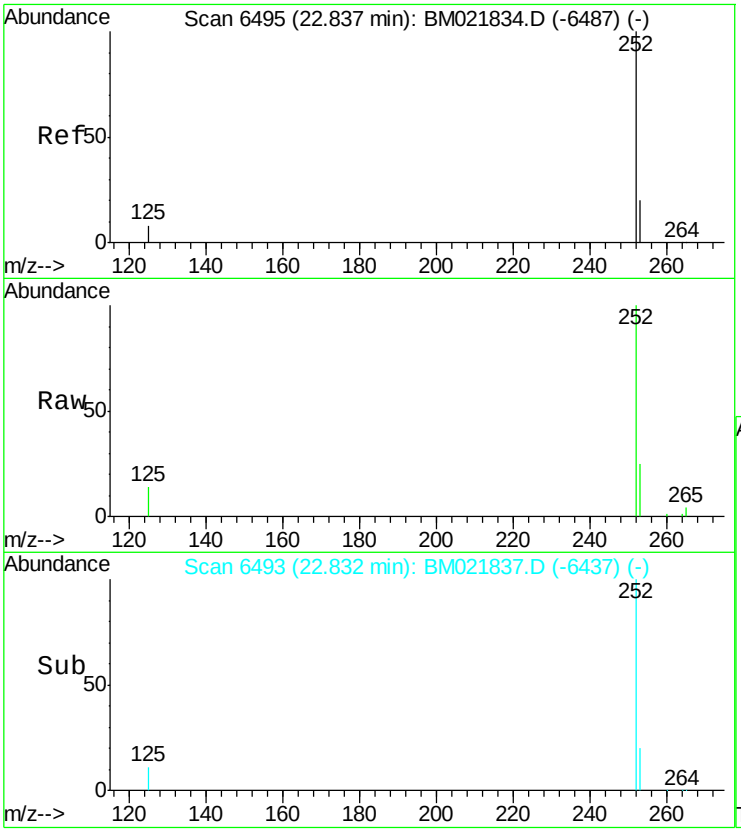


#21
Benzo(b)fluoranthene
Concen: 10.659 ng/ul m
RT: 22.79 min Scan# 6477
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:252 Resp: 224475

Ion	Ratio	Lower	Upper
252	100		
253	23.3	0.0	67.4
125	8.6	0.0	31.0





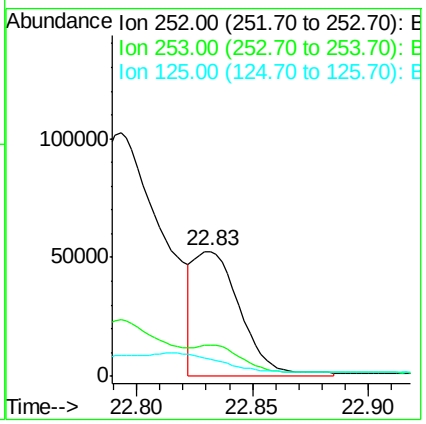
#22
Benzo(k)fluoranthene
Concen: 3.123 ng/ul m
RT: 22.83 min Scan# 6493
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

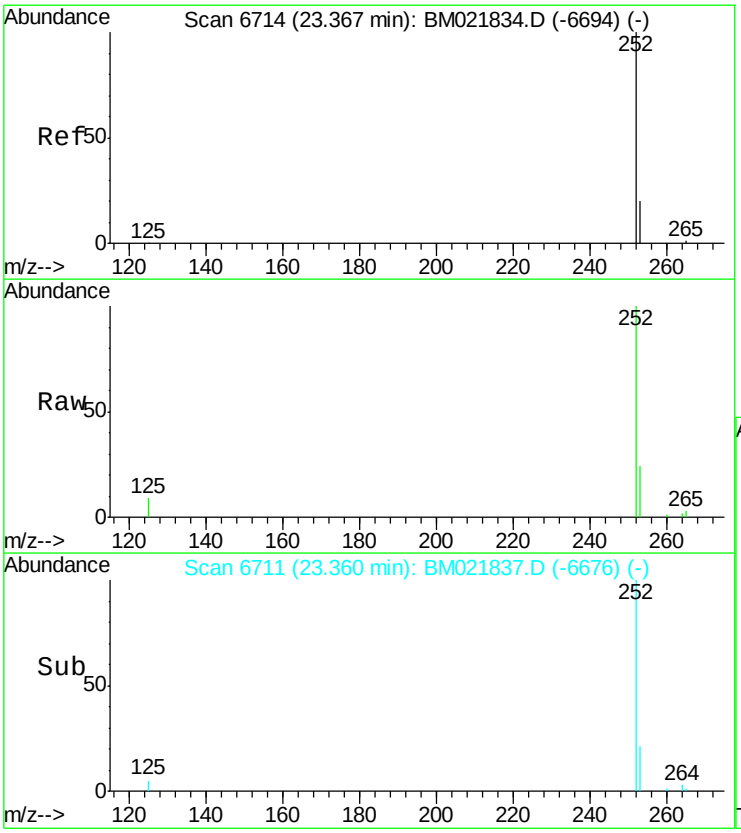
Tgt Ion:252 Resp: 74432

Ion	Ratio	Lower	Upper
252	100		
253	24.9	27.0	40.4#
125	13.9	12.2	18.2

Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

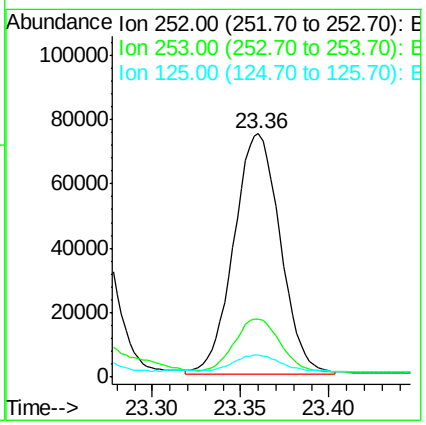


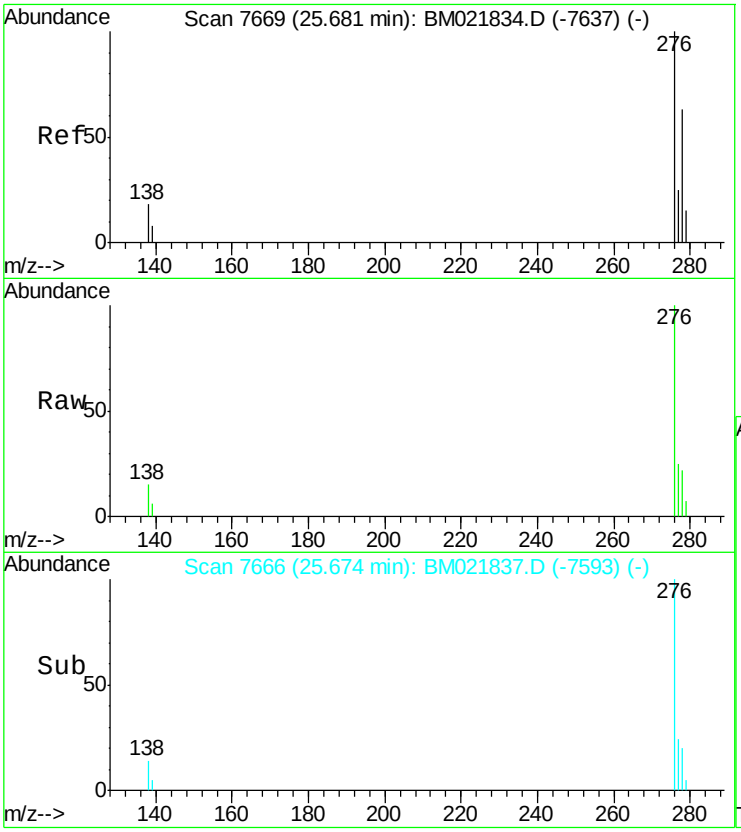


#23
Benzo(a)pyrene
Concen: 6.376 ng/ul m
RT: 23.36 min Scan# 6711
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:252 Resp: 136551

Ion	Ratio	Lower	Upper
252	100		
253	24.0	31.7	47.5#
125	9.1	14.6	21.8#





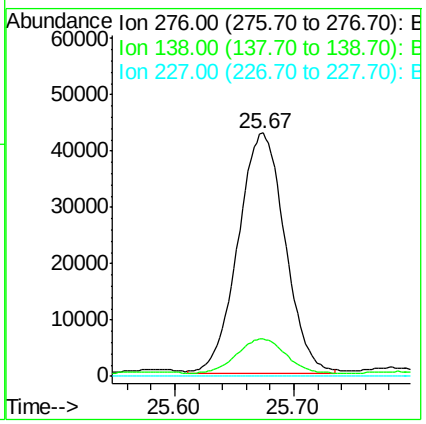
#24
Indeno(1,2,3-cd)pyrene
Concen: 4.573 ng/ul m
RT: 25.67 min Scan# 7666
Delta R.T. -0.02 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

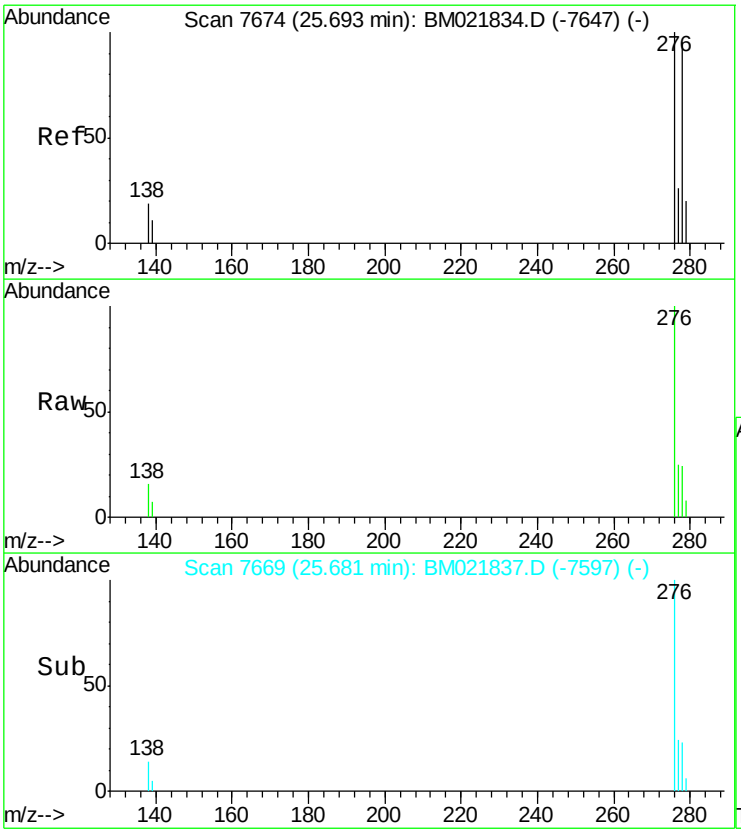
Tgt Ion:276 Resp: 116938

Ion	Ratio	Lower	Upper
276	100		
138	1.5	15.1	22.7#
227	0.0	0.0	0.0

Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM

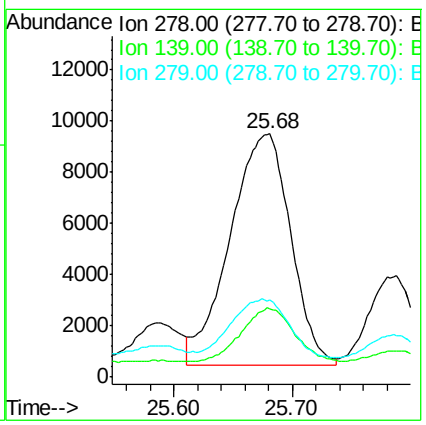


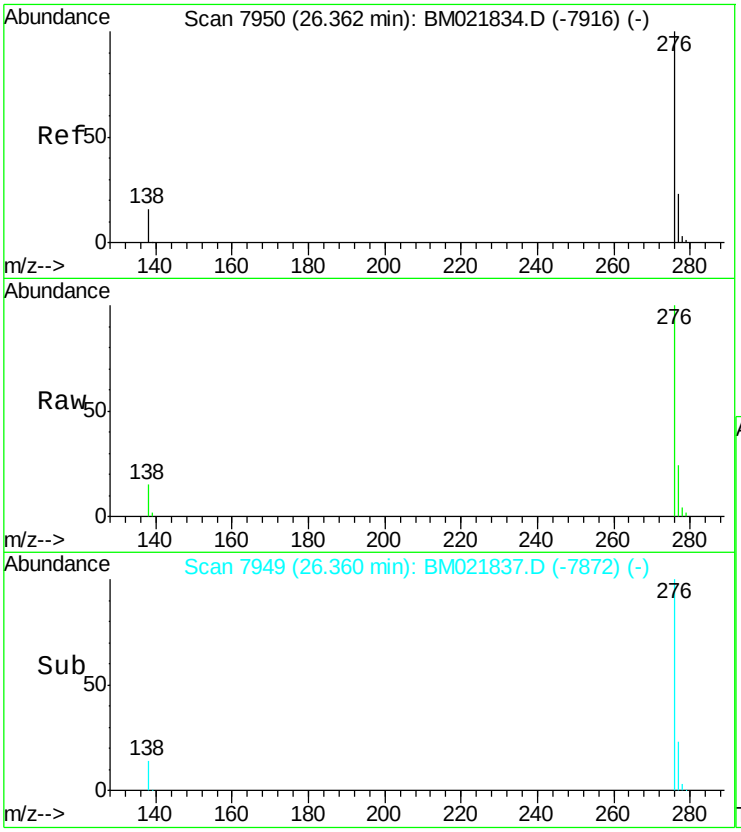


#25
Dibenzo(a,h)anthracene
Concen: 1.550 ng/ul m
RT: 25.68 min Scan# 7669
Delta R.T. -0.02 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:278 Resp: 32027

Ion	Ratio	Lower	Upper
278	100		
139	28.1	14.2	21.2#
279	31.5	28.3	42.5

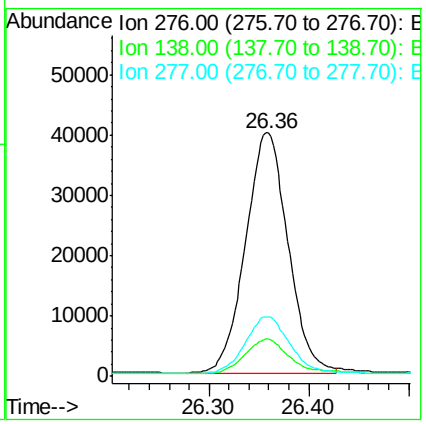




#26
Benzo(g,h,i)perylene
Concen: 5.130 ng/ul m
RT: 26.36 min Scan# 7949
Delta R.T. -0.01 min
Lab File: BM021837.D
Acq: 05 Aug 2019 09:57

Tgt Ion:276 Resp: 118094

Ion	Ratio	Lower	Upper
276	100		
138	15.2	15.5	23.3#
277	24.5	21.4	32.2



Instrument :
BNA_M
ClientSampleId :
BENS2

Manual Integrations APPROVED
mohammad
8/5/2019 10:17:08 PM