Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072419\
Data File : BN006975.D
Acq On : 24 Jul 2019 12:52
Operator : HP/JU
Sample : K3764-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A52G4

Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

Quant Time: Jul 24 13:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2026	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.36	136	7150	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.24	164	3544	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7422m	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	5838m	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	5074m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1228	0.11	ng/ul	0.04
14) Fluoranthene-d10	19.05	212	3791m	0.17	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.04	178	7643	0.320	ng/ul	99
13) Anthracene	17.14	178	871m	0.042	ng/ul	
15) Fluoranthene	19.08	202	20065m	0.680	ng/ul	
17) Pyrene	19.44	202	18530	0.695	ng/ul	98
18) Benzo(a)anthracene	21.23	228	6285	0.262	ng/ul	96
19) Chrysene	21.28	228	8295	0.310	ng/ul	96
21) Benzo(b)fluoranthene	22.81	252	10719	0.515	ng/ul	97
22) Benzo(k)fluoranthene	22.85	252	4796m	0.220	ng/ul	
23) Benzo(a)pyrene	23.36	252	7176m	0.352	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.73	276	5029m	0.244	ng/ul	
25) Dibenzo(a,h)anthracene	25.72	278	1314m	0.080	ng/ul	
26) Benzo(g,h,i)perylene	26.39	276	5432m	0.315	ng/ul	

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

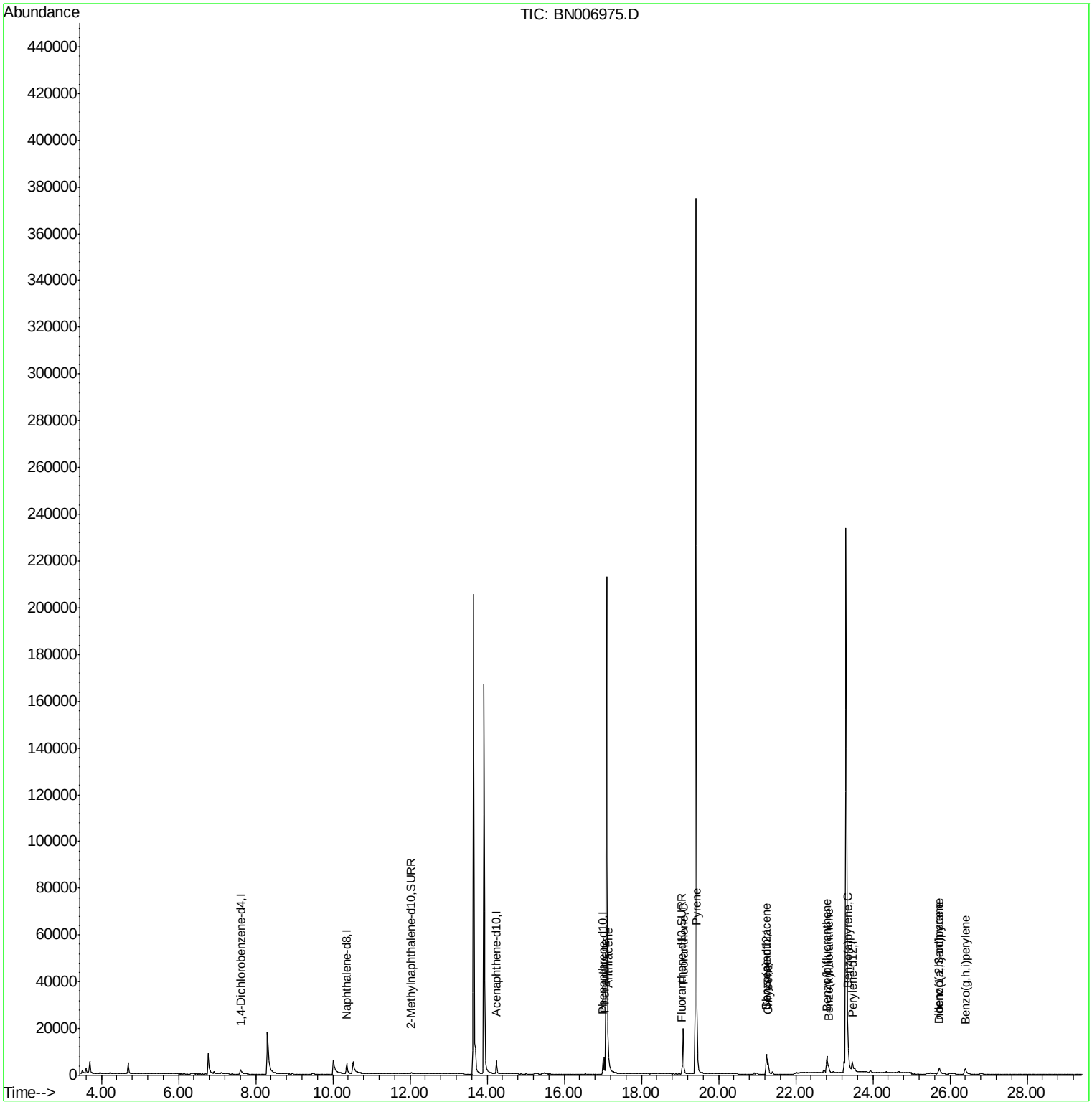
Quantitation Report (QT Reviewed)

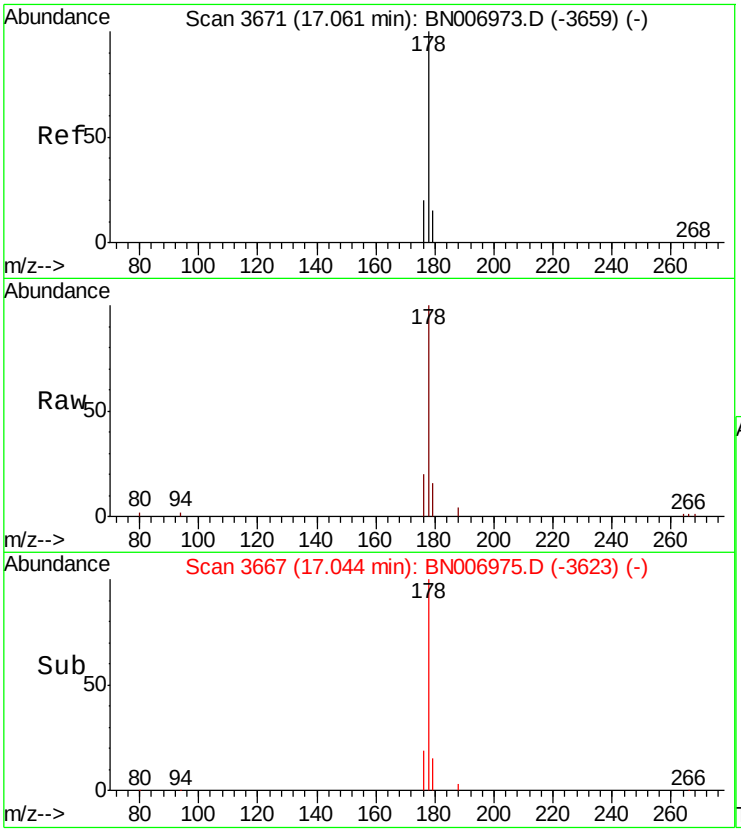
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072419\
Data File : BN006975.D
Acq On : 24 Jul 2019 12:52
Operator : HP/JU
Sample : K3764-17
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 24 13:58:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52G4

Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM





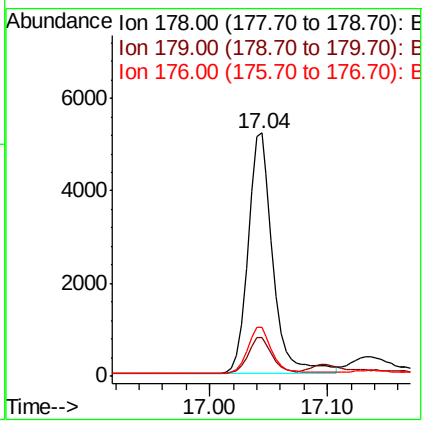
#12
Phenanthrene
Concen: 0.320 ng/ul
RT: 17.04 min Scan# 3667
Delta R.T. -0.01 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

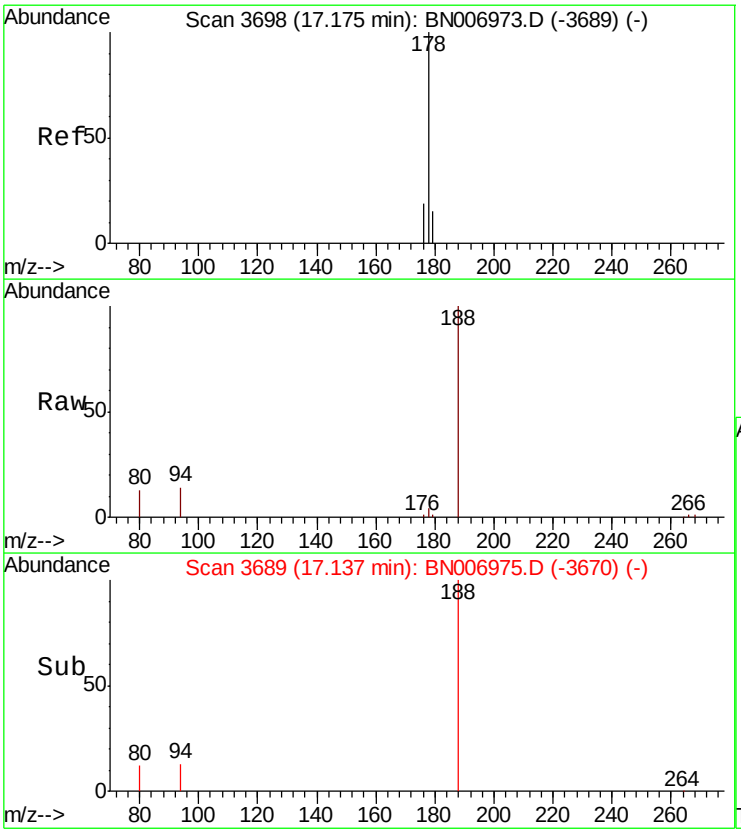
Tgt Ion:178 Resp: 7643

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	19.0
176	20.0	15.8	23.8

Instrument :
BNA_N
ClientSampleId :
A52G4

Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

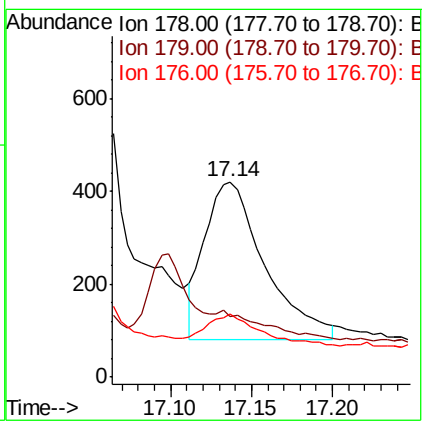


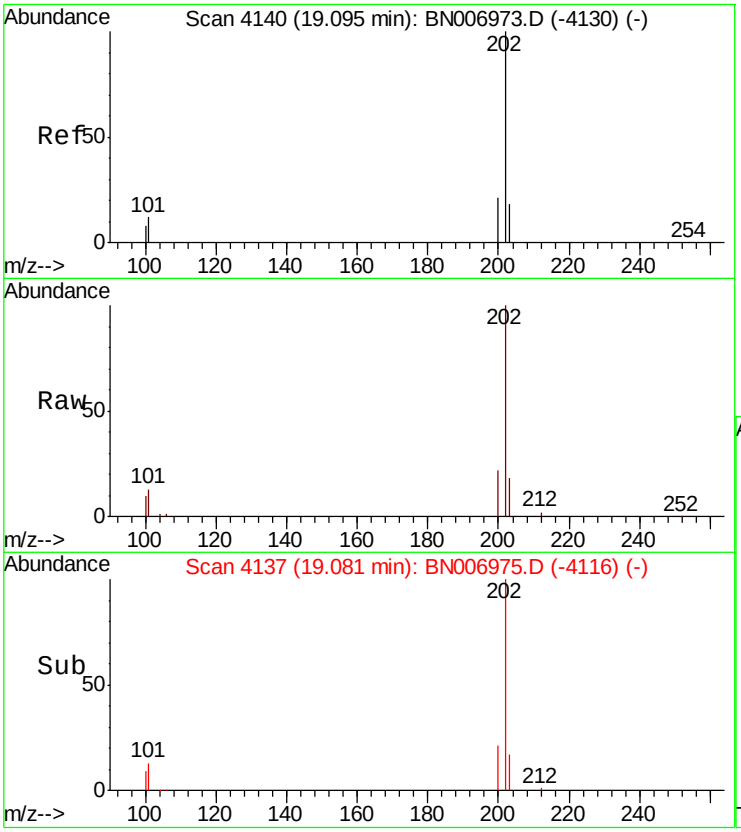


#13
Anthracene
Concen: 0.042 ng/ul m
RT: 17.14 min Scan# 3689
Delta R.T. -0.02 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:178 Resp: 871

Ion	Ratio	Lower	Upper
178	100		
179	30.9	12.7	19.1#
176	32.3	15.8	23.6#

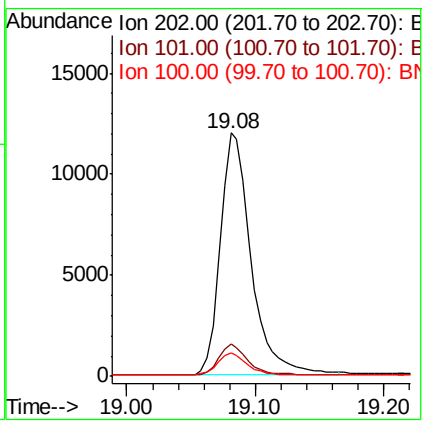




#15
Fluoranthene
Concen: 0.680 ng/ul m
RT: 19.08 min Scan# 4137
Delta R.T. -0.00 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

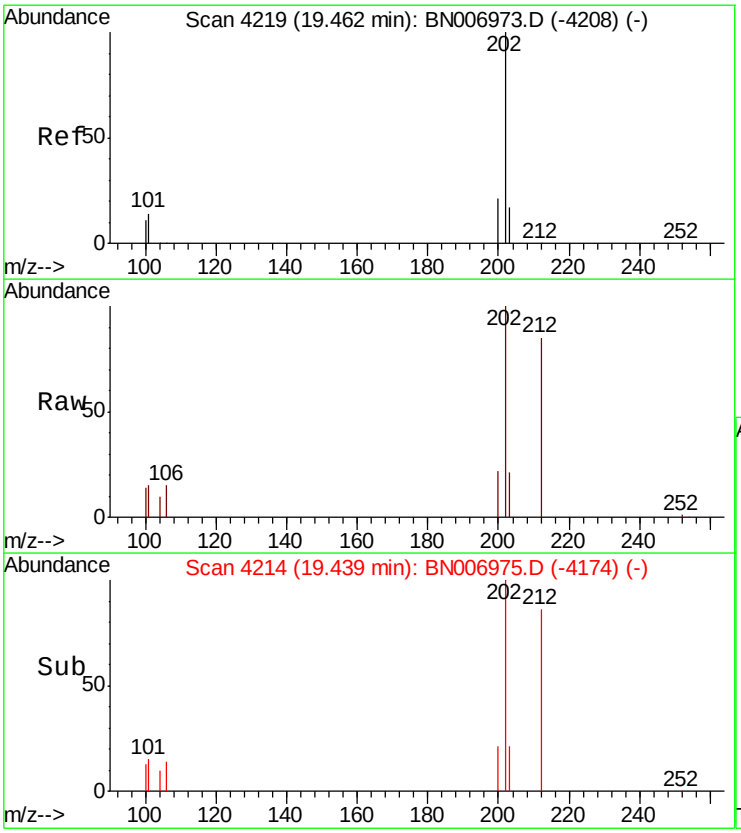
Tgt Ion:202 Resp: 20065

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
100	9.8	0.0	29.9



Instrument :
BNA_N
ClientSampleId :
A52G4

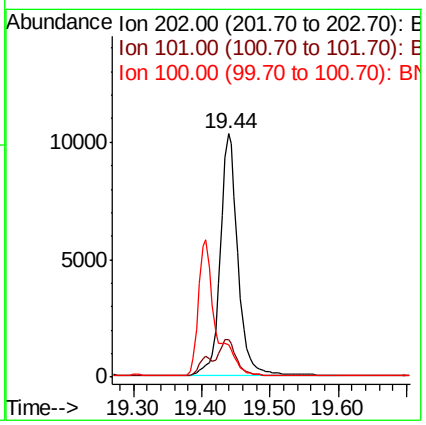
Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

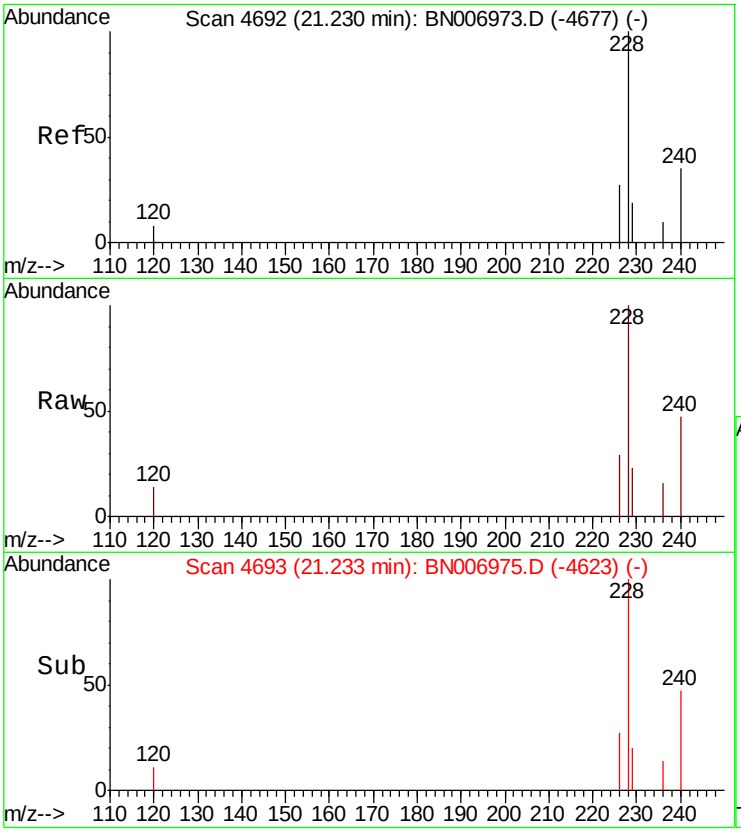


#17
Pyrene
Concen: 0.695 ng/ul
RT: 19.44 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:202 Resp: 18530

Ion	Ratio	Lower	Upper
202	100		
101	15.4	12.2	18.2
100	13.5	9.8	14.8

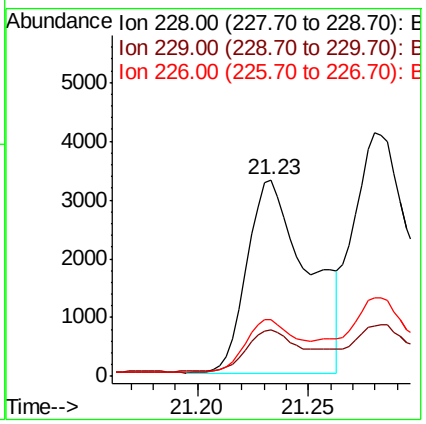




#18
Benzo(a)anthracene
Concen: 0.262 ng/ul
RT: 21.23 min Scan# 4693
Delta R.T. 0.01 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

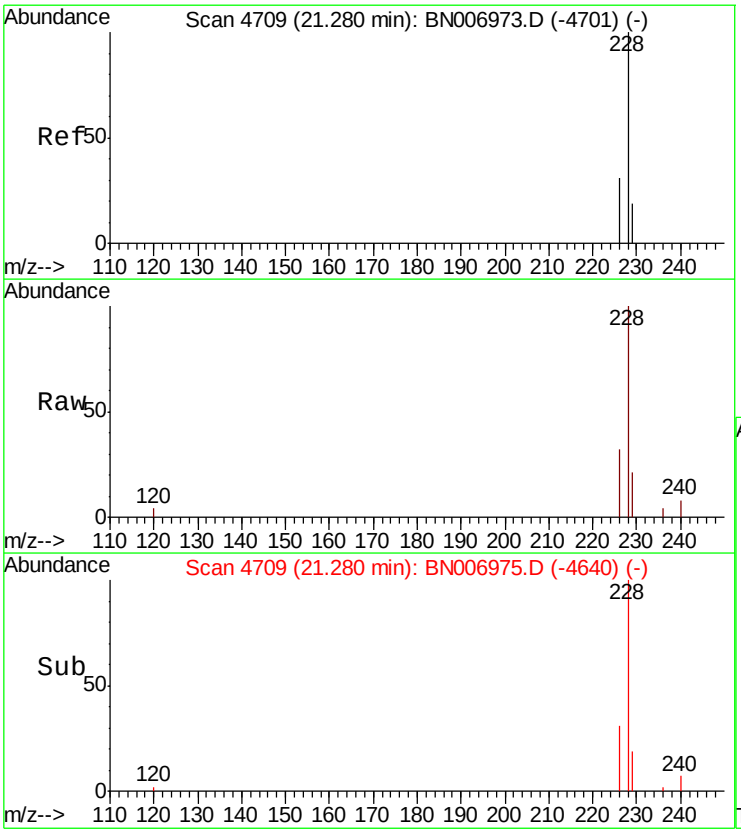
Tgt Ion:228 Resp: 6285

Ion	Ratio	Lower	Upper
228	100		
229	23.4	15.9	23.9
226	29.0	22.6	34.0



Instrument :
BNA_N
ClientSampleId :
A52G4

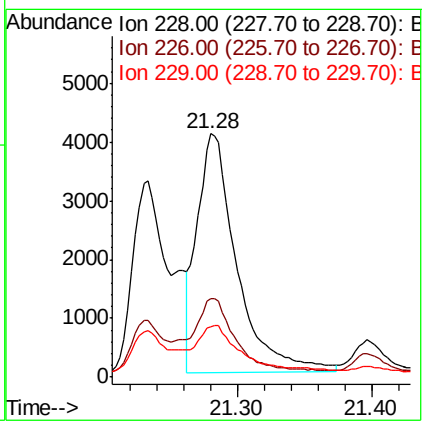
Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

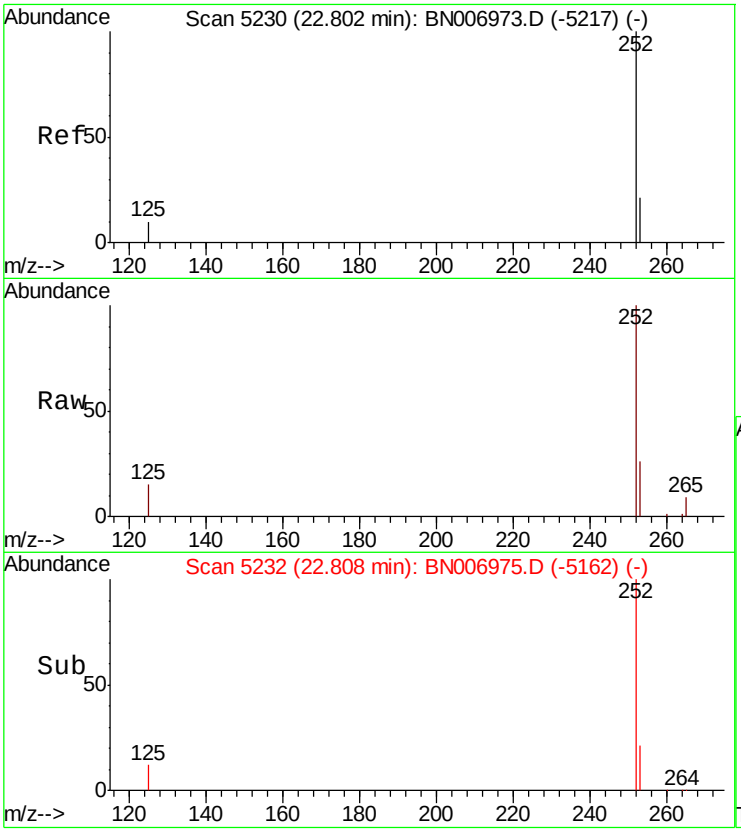


#19
Chrysene
Concen: 0.310 ng/ul
RT: 21.28 min Scan# 4709
Delta R.T. 0.00 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:228 Resp: 8295

Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.2	36.4
229	20.9	15.5	23.3

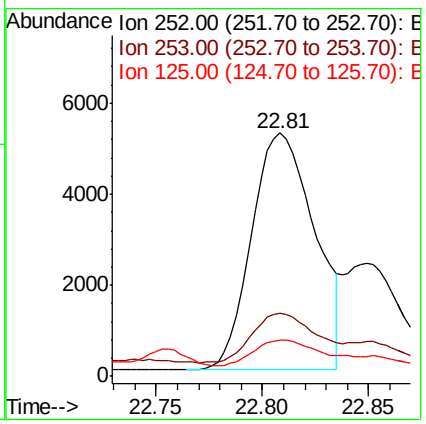




#21
Benzo(b)fluoranthene
Concen: 0.515 ng/ul
RT: 22.81 min Scan# 5232
Delta R.T. 0.01 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

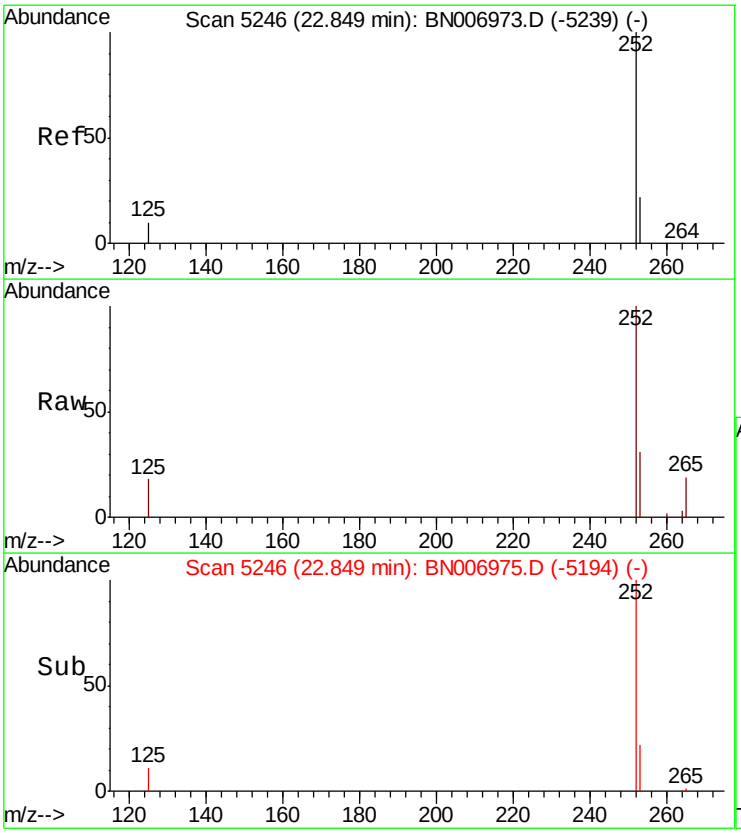
Tgt Ion:252 Resp: 10719

Ion	Ratio	Lower	Upper
252	100		
253	25.9	0.0	47.8
125	14.9	0.0	29.2



Instrument :
BNA_N
ClientSampleId :
A52G4

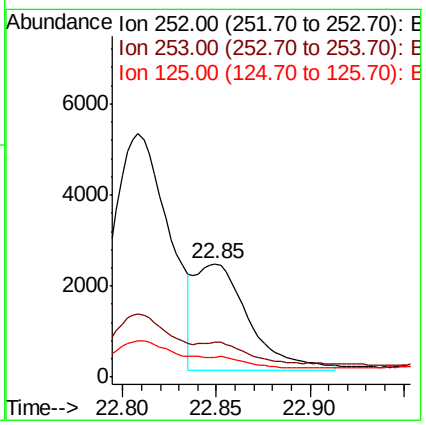
Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

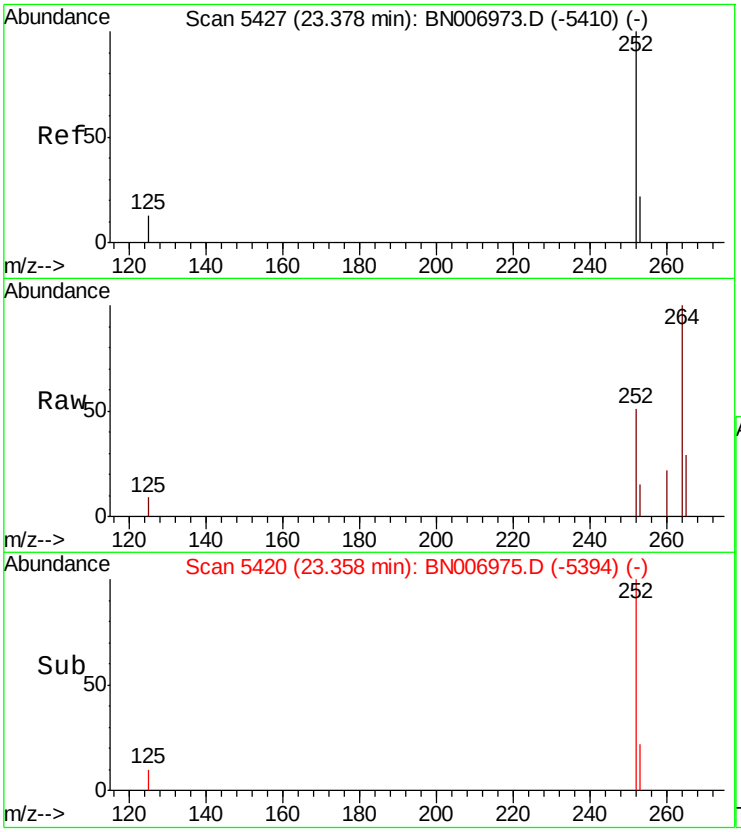


#22
Benzo(k)fluoranthene
Concen: 0.220 ng/ul m
RT: 22.85 min Scan# 5246
Delta R.T. 0.00 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:252 Resp: 4796

Ion	Ratio	Lower	Upper
252	100		
253	30.7	19.2	28.8#
125	17.6	11.0	16.6#





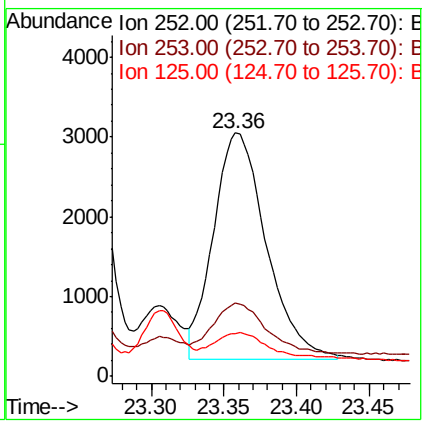
#23
Benzo(a)pyrene
Concen: 0.352 ng/ul m
RT: 23.36 min Scan# 5420
Delta R.T. -0.02 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

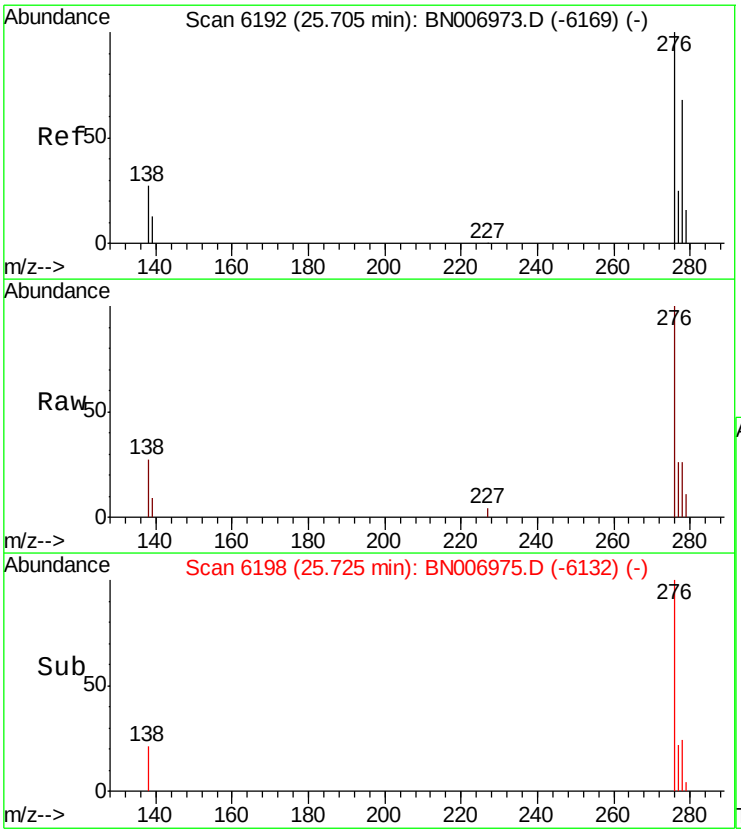
Tgt Ion:252 Resp: 7176

Ion	Ratio	Lower	Upper
252	100		
253	30.0	19.4	29.2#
125	17.6	12.6	19.0

Instrument :
BNA_N
ClientSampleId :
A52G4

Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM

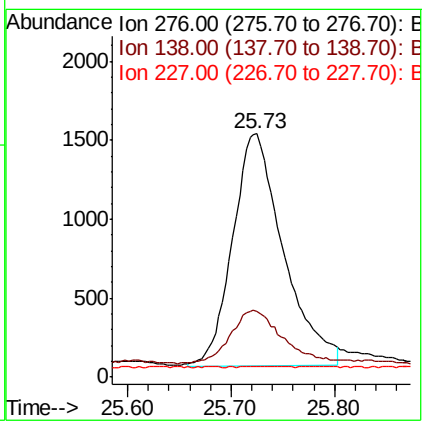


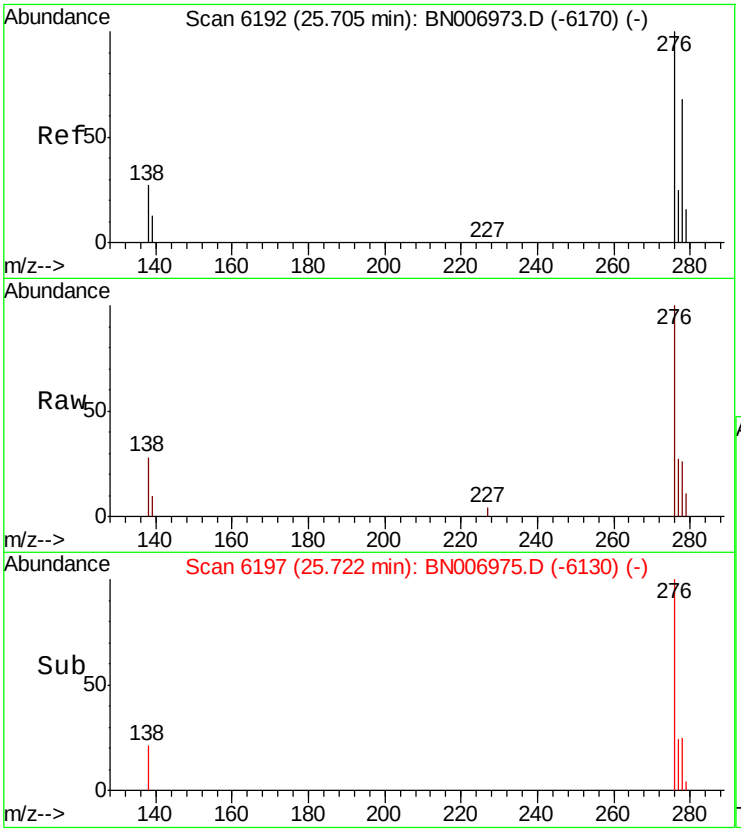


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.244 ng/ul m
RT: 25.73 min Scan# 6198
Delta R.T. 0.02 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:276 Resp: 5029

Ion	Ratio	Lower	Upper
276	100		
138	4.3	24.3	36.5#
227	0.1	0.2	0.4#





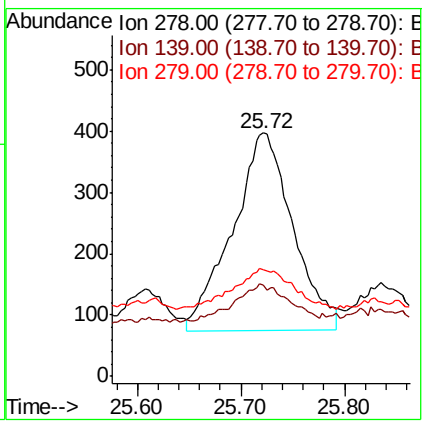
#25
Dibenzo(a,h)anthracene
Concen: 0.080 ng/ul m
RT: 25.72 min Scan# 6197
Delta R.T. 0.02 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

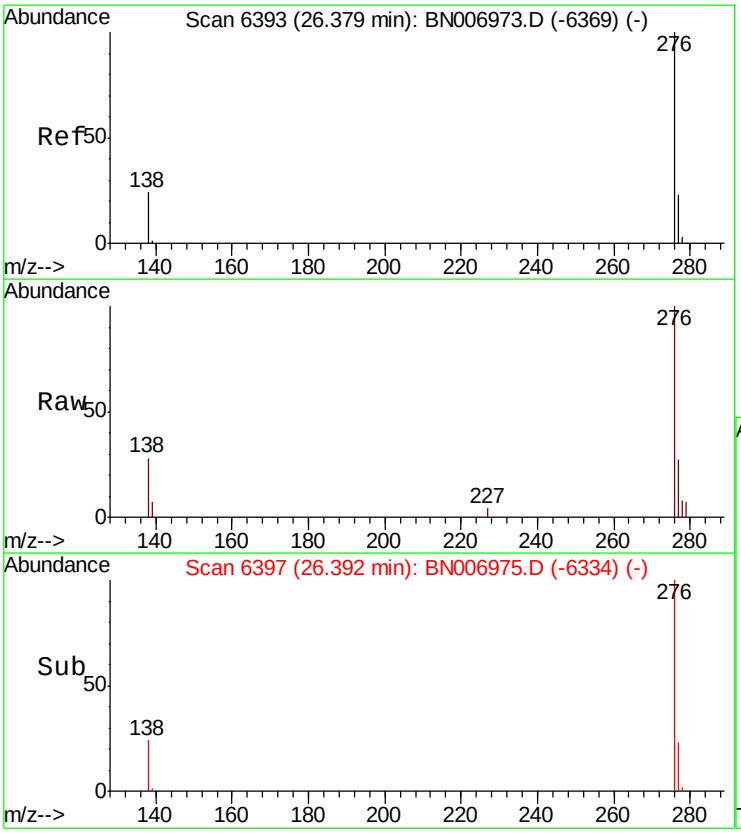
Tgt Ion:278 Resp: 1314

Ion	Ratio	Lower	Upper
278	100		
139	37.5	18.1	27.1#
279	43.8	19.8	29.6#

Instrument :
BNA_N
ClientSampleId :
A52G4

Manual Integrations APPROVED
mohammad
7/25/2019 5:17:04 PM





#26
Benzo(g,h,i)perylene
Concen: 0.315 ng/ul m
RT: 26.39 min Scan# 6397
Delta R.T. 0.01 min
Lab File: BN006975.D
Acq: 24 Jul 2019 12:52

Tgt Ion:276 Resp: 5432

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.2	33.2
277	26.9	19.5	29.3