Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN012949.D
Acq On : 07 Dec 2020 21:07
Operator : CG/JU
Sample : L4864-22
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

Quant Time: Dec 08 00:45:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 08 00:15:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1114	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	4652	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	2550	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.81	188	5405	0.40	ng/ul	0.00
16) Chrysene-d12	21.03	240	4864	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	4193	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	952	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.85	212	2245	0.15	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	272	0.020	ng/ul#	59
7) Acenaphthylene	13.77	152	354	0.029	ng/ul#	70
8) Acenaphthene	14.12	153	208	0.021	ng/ul#	91
9) Fluorene	15.11	166	822	0.072	ng/ul	98
12) Phenanthrene	16.85	178	16360	0.903	ng/ul	98
13) Anthracene	16.94	178	12351	0.801	ng/ul	95
15) Fluoranthene	18.88	202	158276	7.350	ng/ul	97
17) Pyrene	19.25	202	158809	6.912	ng/ul	100
18) Benzo(a)anthracene	21.02	228	168946	8.395	ng/ul	98
19) Chrysene	21.07	228	186832	8.403	ng/ul	98
21) Benzo(b)fluoranthene	22.52	252	273258m	14.087	ng/ul	
22) Benzo(k)fluoranthene	22.55	252	81321m	3.793	ng/ul	
23) Benzo(a)pyrene	23.05	252	154769	8.599	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.19	276	100983	4.271	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.20	278	26244	1.403	ng/ul	92
26) Benzo(g,h,i)perylene	25.82	276	80145	3.748	ng/ul	97

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

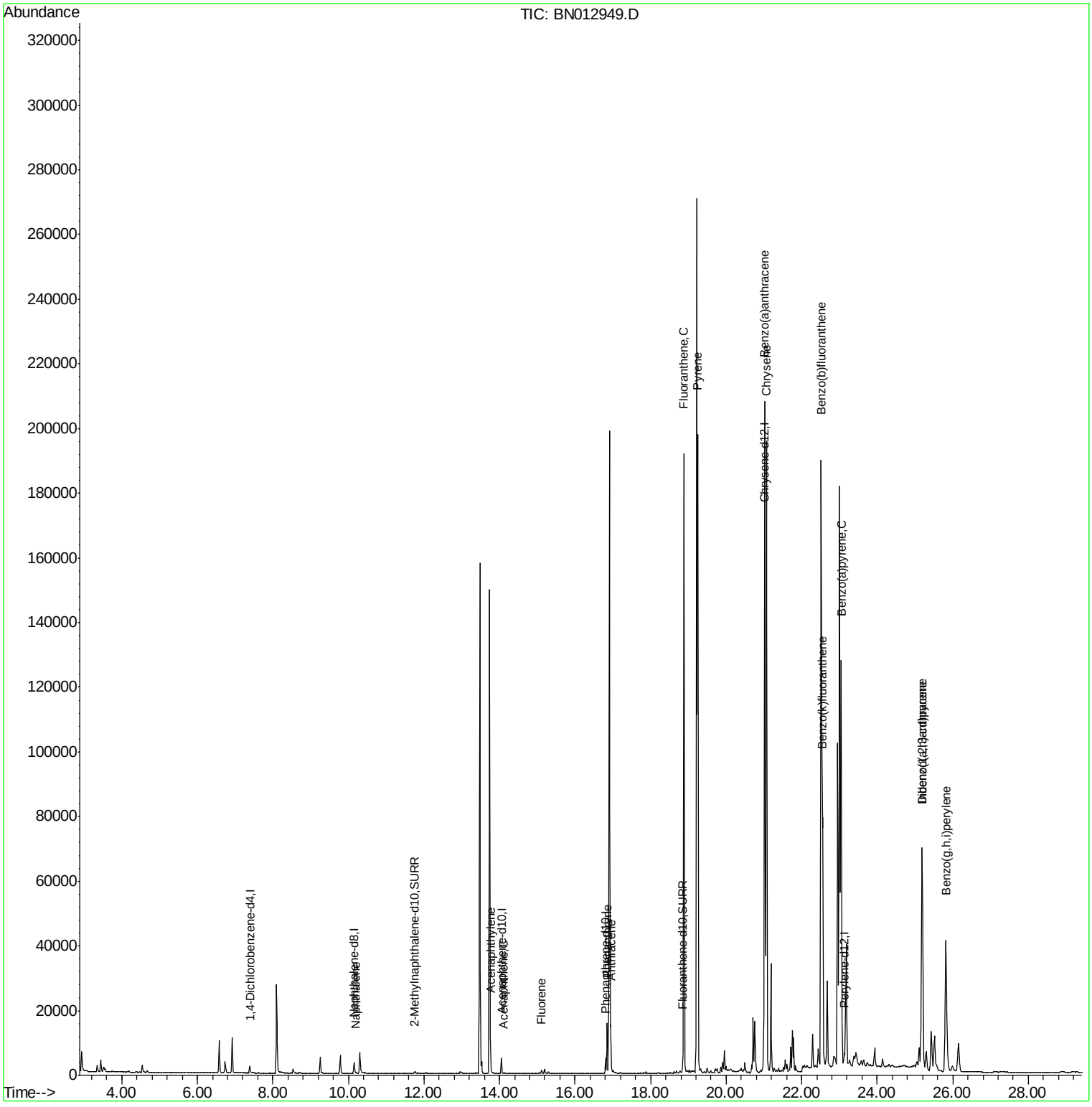
Quantitation Report (QT Reviewed)

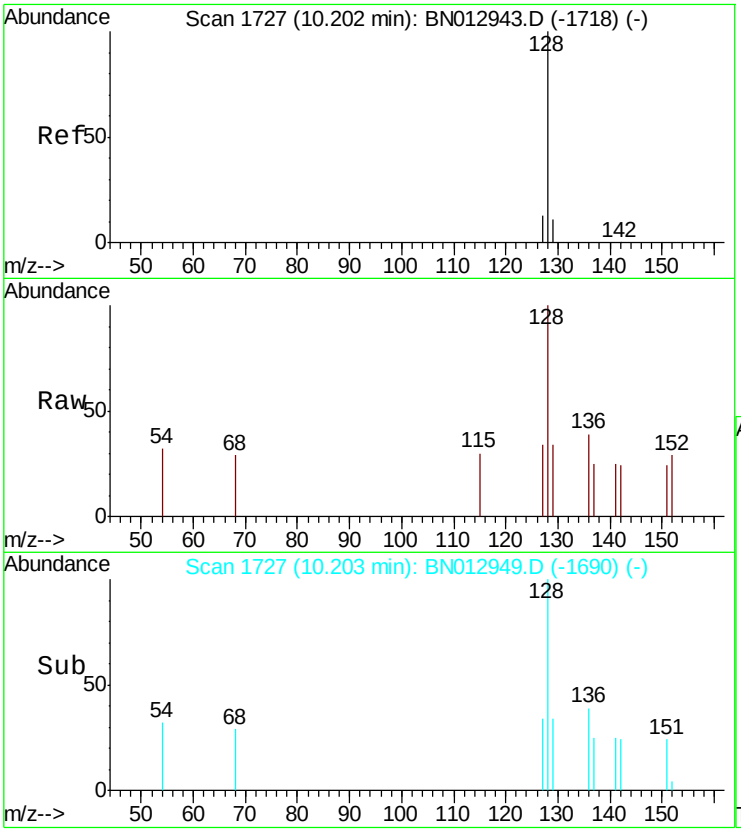
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
Data File : BN012949.D
Acq On : 07 Dec 2020 21:07
Operator : CG/JU
Sample : L4864-22
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 08 00:45:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 08 00:15:39 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM





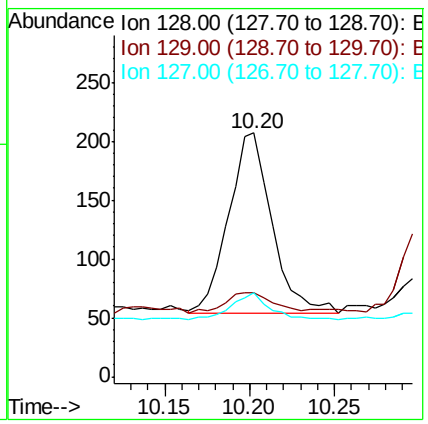
#3
Naphthalene
Concen: 0.020 ng/ul
RT: 10.20 min Scan# 1727
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

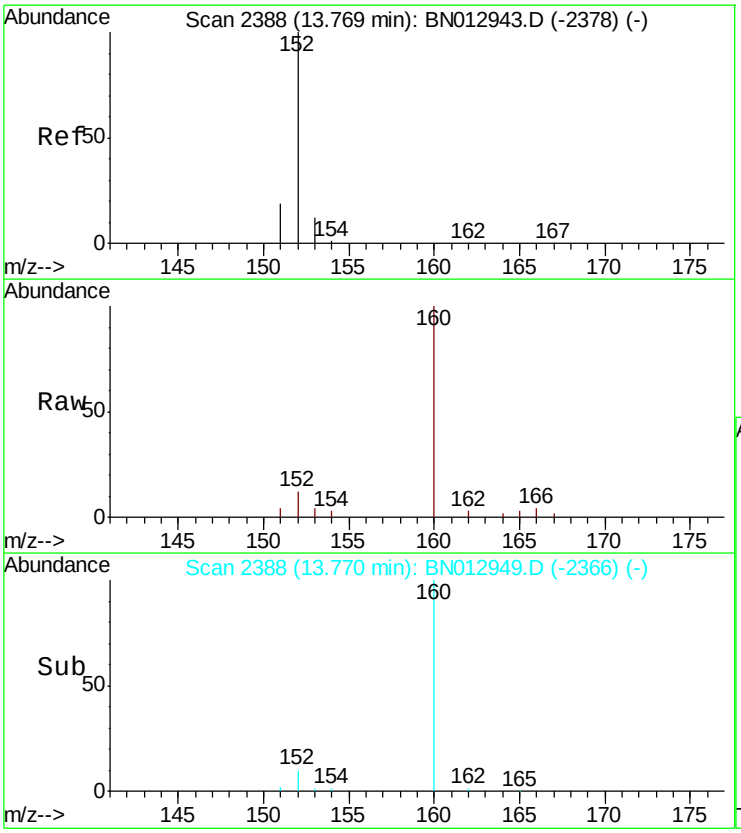
Tgt Ion:128 Resp: 272

Ion	Ratio	Lower	Upper
128	100		
129	34.3	12.3	18.5#
127	34.3	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

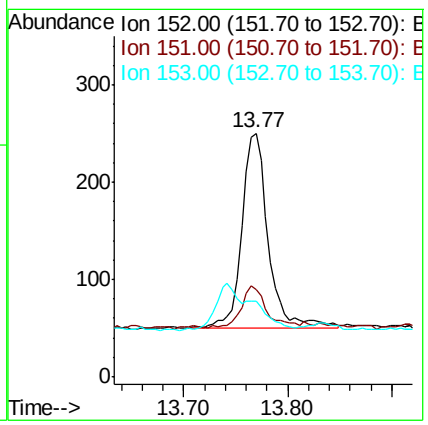


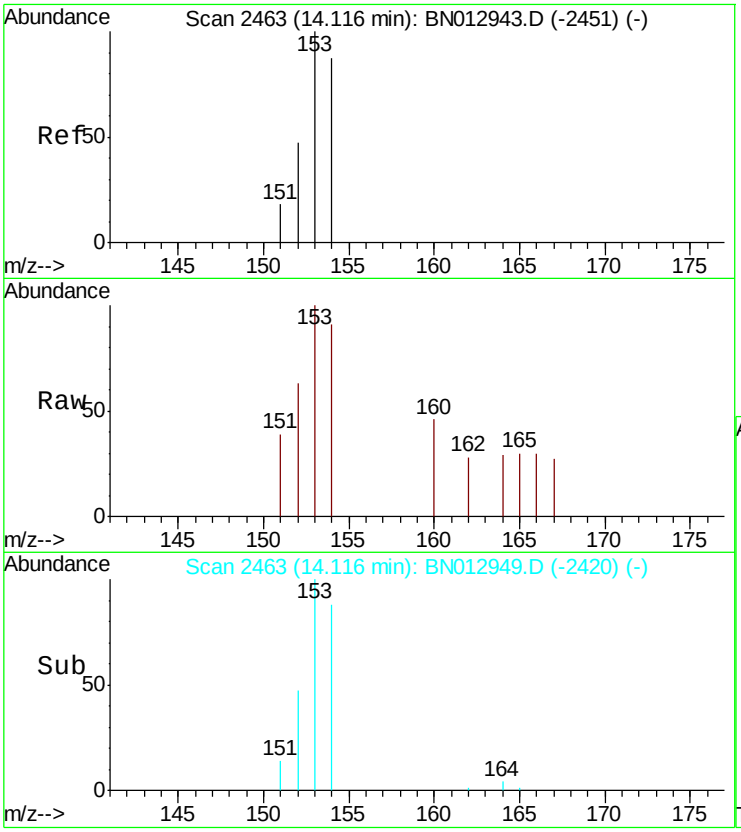


#7
Acenaphthylene
Concen: 0.029 ng/ul
RT: 13.77 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:152 Resp: 354

Ion	Ratio	Lower	Upper
152	100		
151	36.0	18.2	27.4#
153	31.2	13.1	19.7#

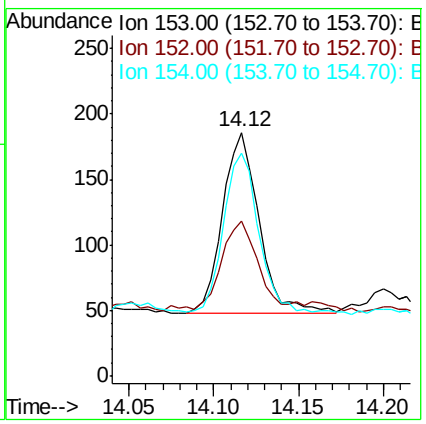




#8
Acenaphthene
Concen: 0.021 ng/ul
RT: 14.12 min Scan# 2463
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

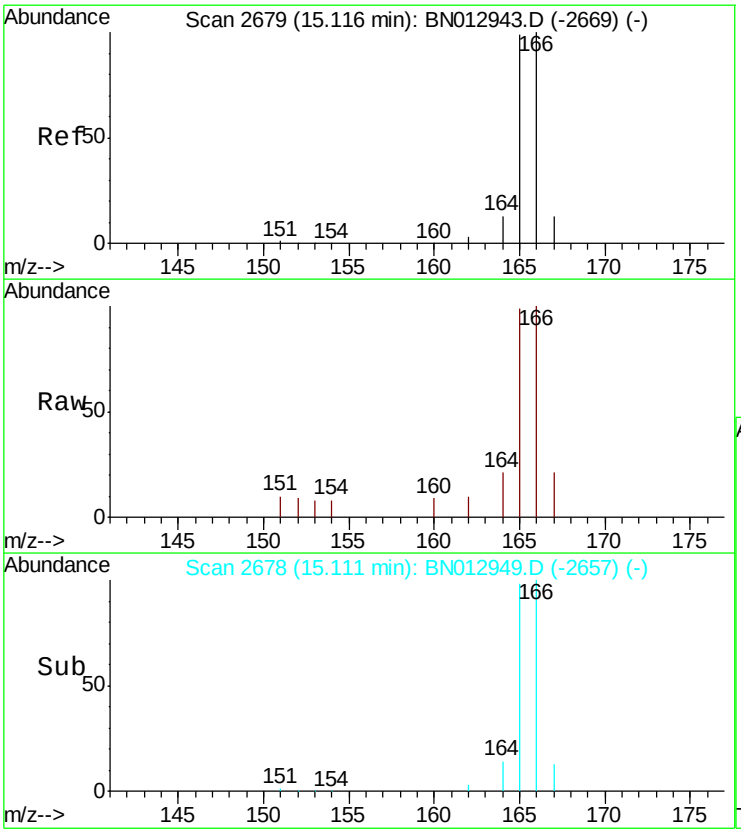
Tgt Ion:153 Resp: 208

Ion	Ratio	Lower	Upper
153	100		
152	63.4	40.7	61.1#
154	91.4	70.8	106.2



Instrument :
BNA_N
ClientSampleId :
C0B68

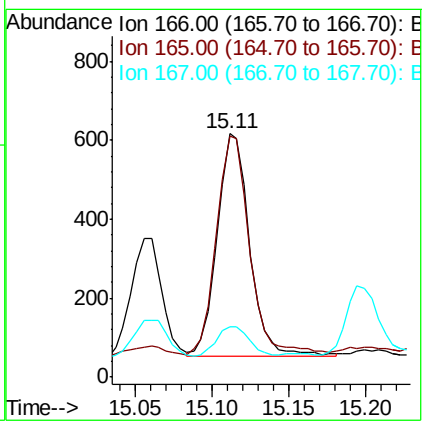
Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

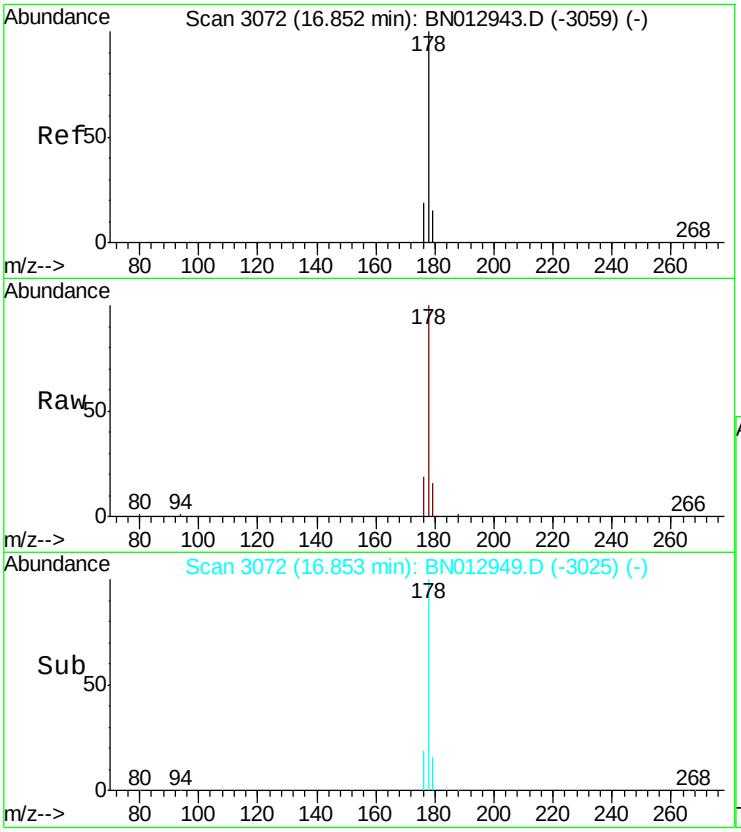


#9
Fluorene
Concen: 0.072 ng/ul
RT: 15.11 min Scan# 2678
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:166 Resp: 822

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.8	119.8
167	20.6	13.8	20.8

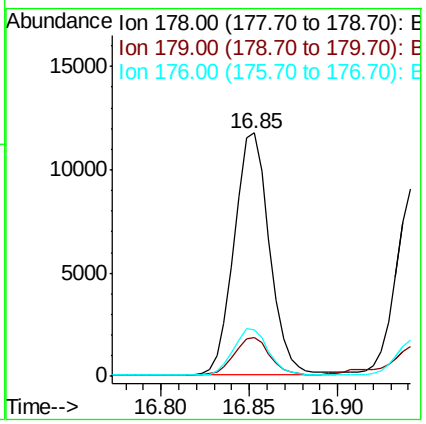




#12
Phenanthrene
Concen: 0.903 ng/ul
RT: 16.85 min Scan# 3072
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

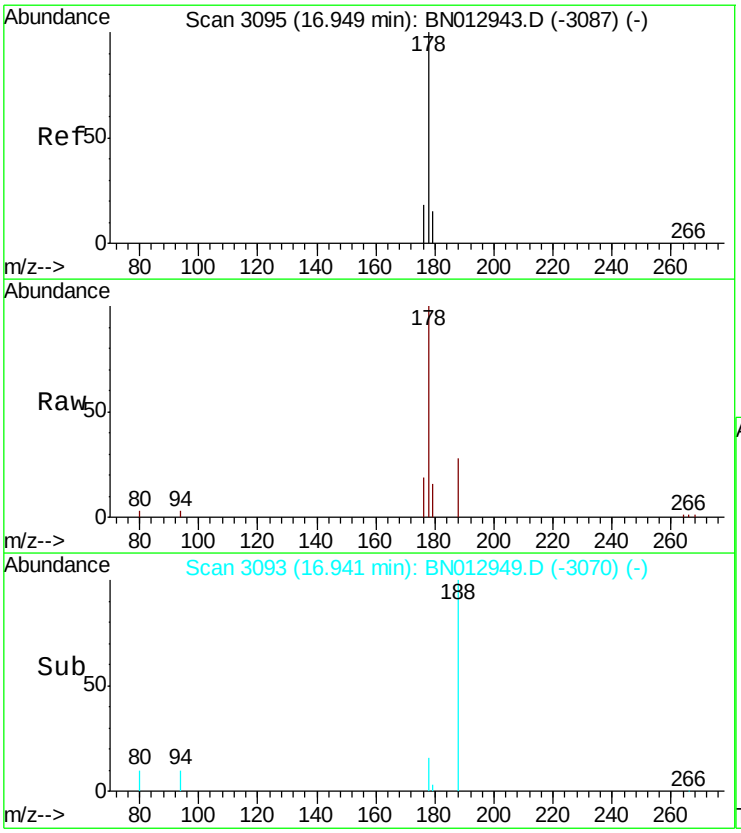
Tgt Ion:178 Resp: 16360

Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.6	20.4
176	19.2	16.4	24.6



Instrument :
BNA_N
ClientSampleId :
C0B68

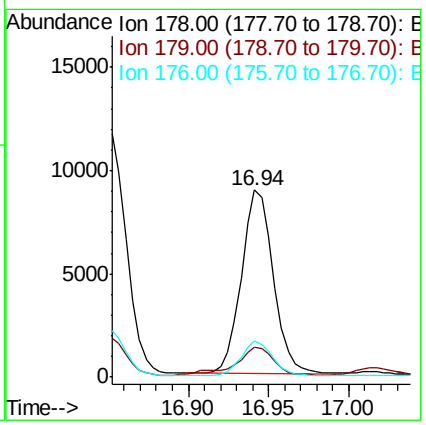
Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

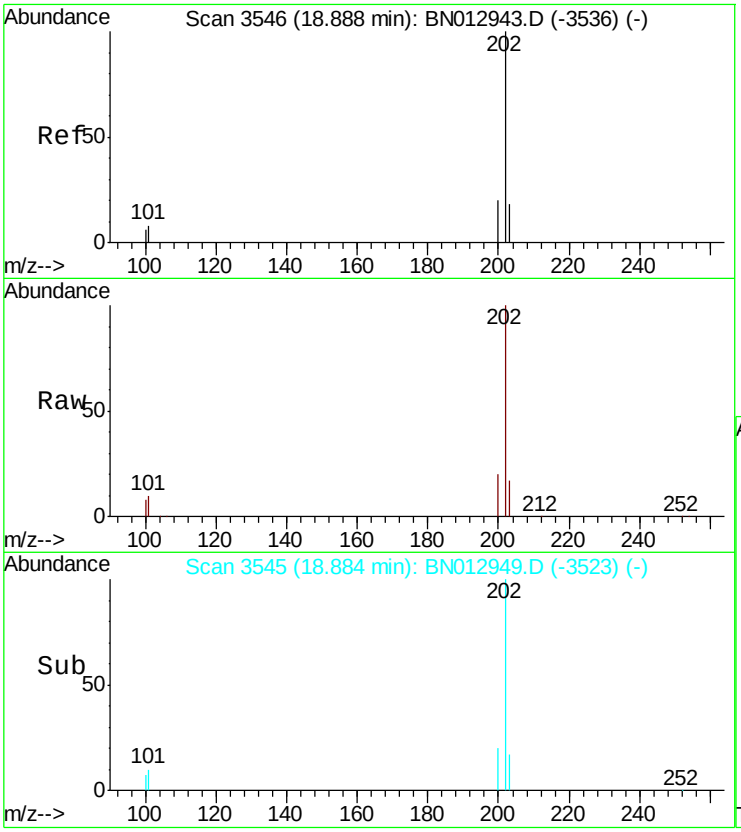


#13
Anthracene
Concen: 0.801 ng/ul
RT: 16.94 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:178 Resp: 12351

Ion	Ratio	Lower	Upper
178	100		
179	16.0	14.6	21.8
176	19.1	17.1	25.7

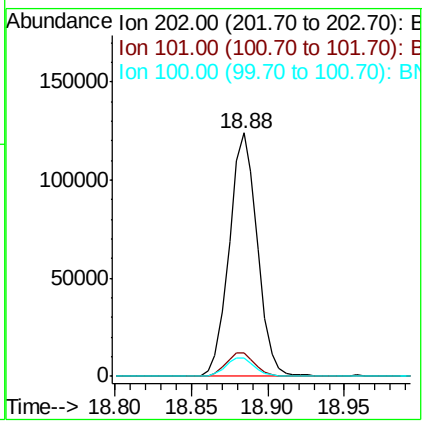




#15
Fluoranthene
Concen: 7.350 ng/ul
RT: 18.88 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

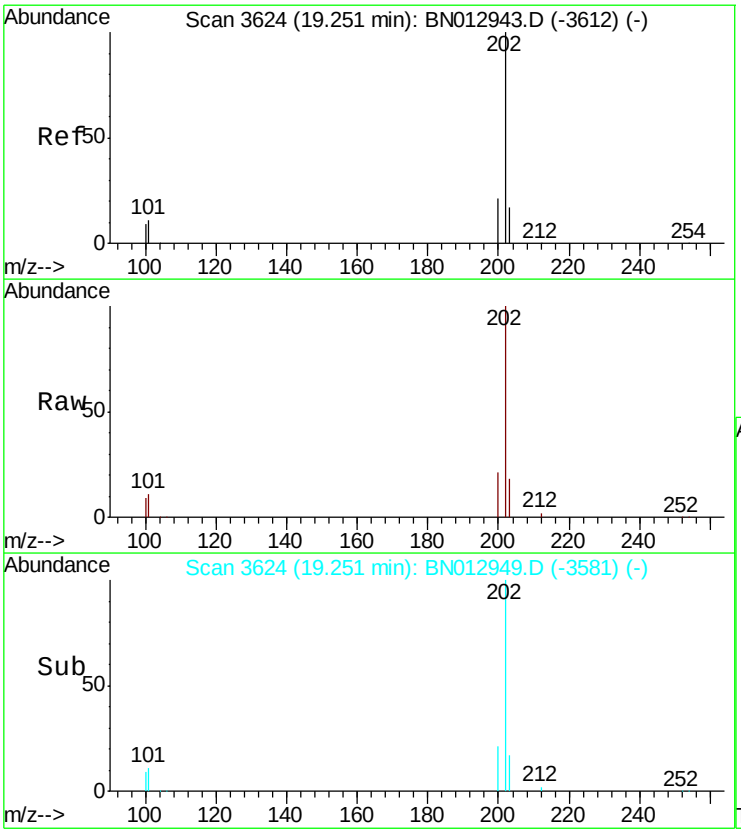
Tgt Ion:202 Resp: 158276

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.6
100	7.5	0.0	28.7



Instrument :
BNA_N
ClientSampleId :
C0B68

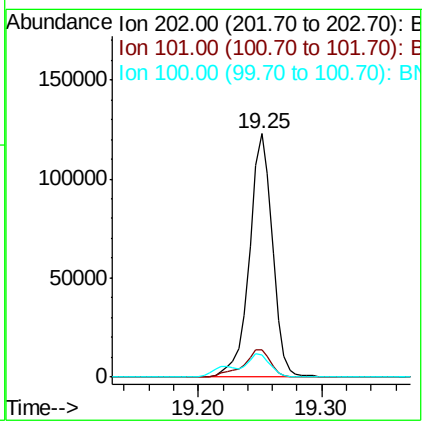
Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

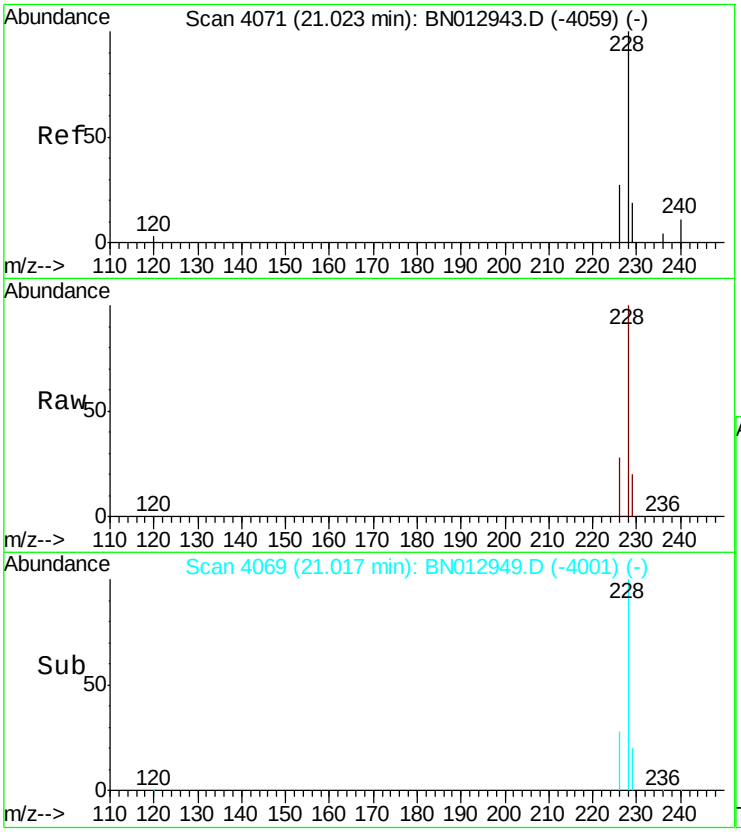


#17
Pyrene
Concen: 6.912 ng/ul
RT: 19.25 min Scan# 3624
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:202 Resp: 158809

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.1	13.7
100	9.4	7.5	11.3

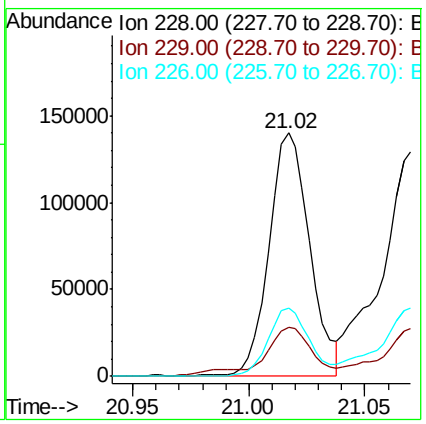




#18
Benzo(a)anthracene
Concen: 8.395 ng/ul
RT: 21.02 min Scan# 4069
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

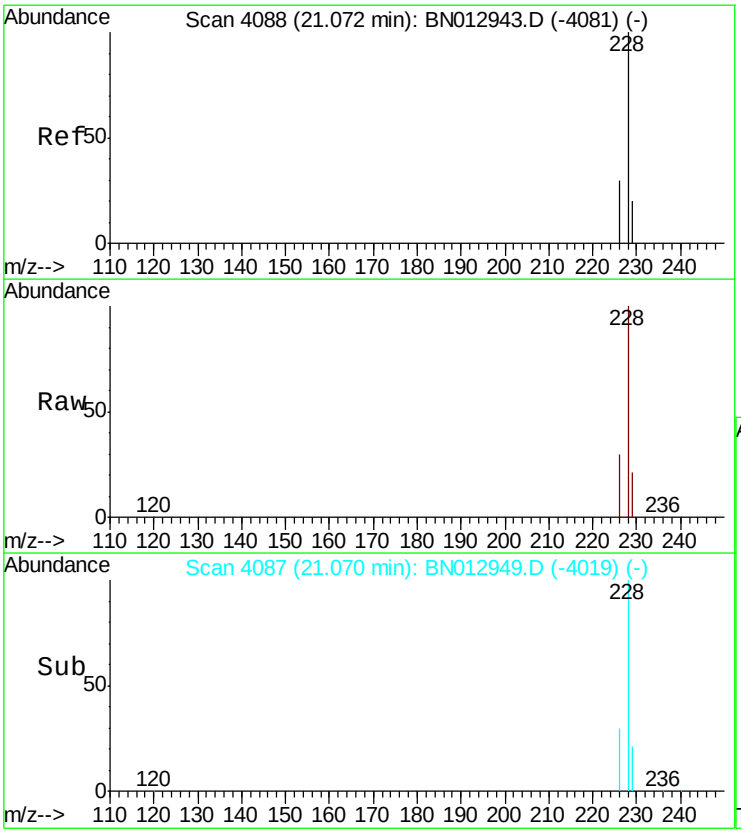
Tgt Ion:228 Resp: 168946

Ion	Ratio	Lower	Upper
228	100		
229	20.0	16.3	24.5
226	27.8	23.4	35.2



Instrument :
BNA_N
ClientSampleId :
C0B68

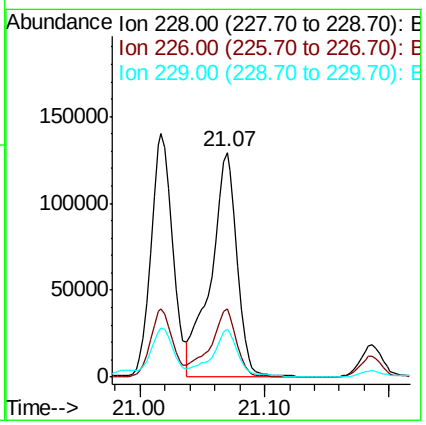
Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

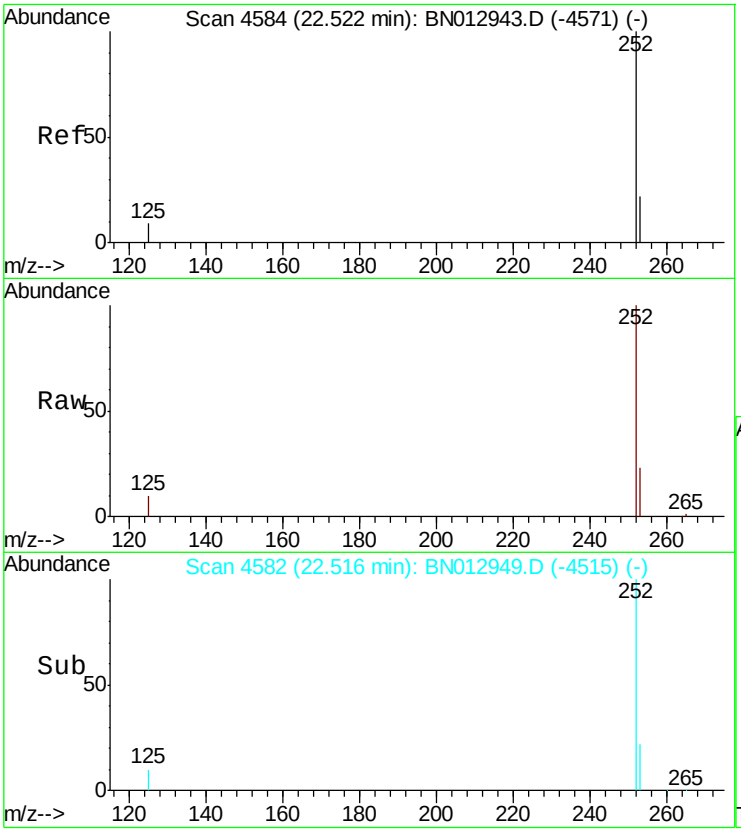


#19
Chrysene
Concen: 8.403 ng/ul
RT: 21.07 min Scan# 4087
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:228 Resp: 186832

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.1	16.4	24.6





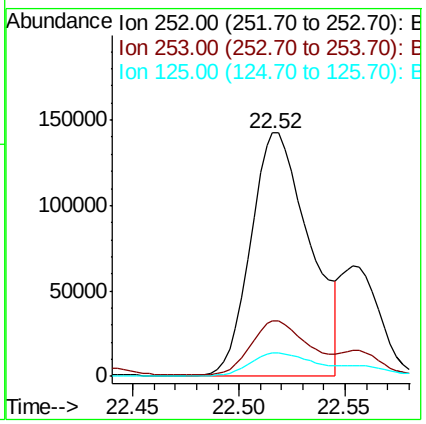
#21
Benzo(b)fluoranthene
Concen: 14.087 ng/ul m
RT: 22.52 min Scan# 4582
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

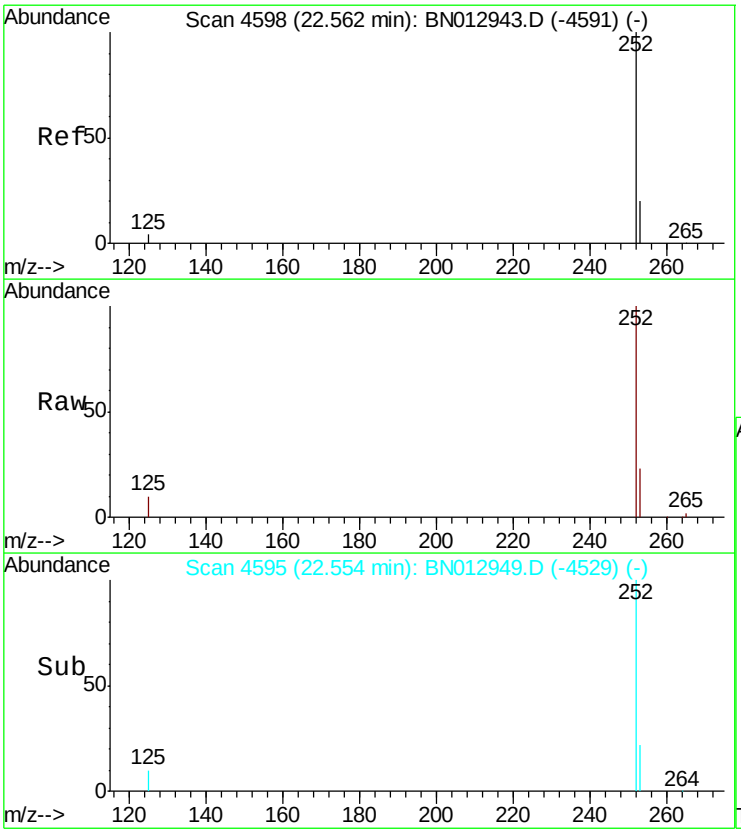
Tgt Ion:252 Resp: 273258

Ion	Ratio	Lower	Upper
252	100		
253	22.8	0.0	59.6
125	9.8	0.0	26.0

Instrument :
BNA_N
ClientSampleId :
C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

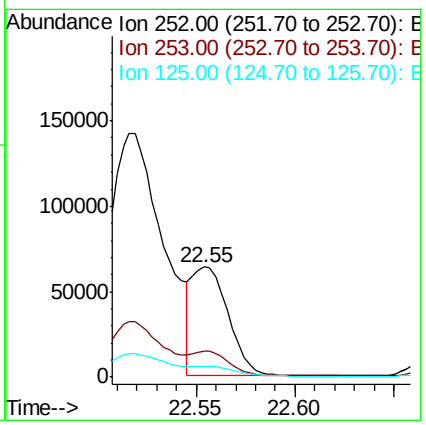


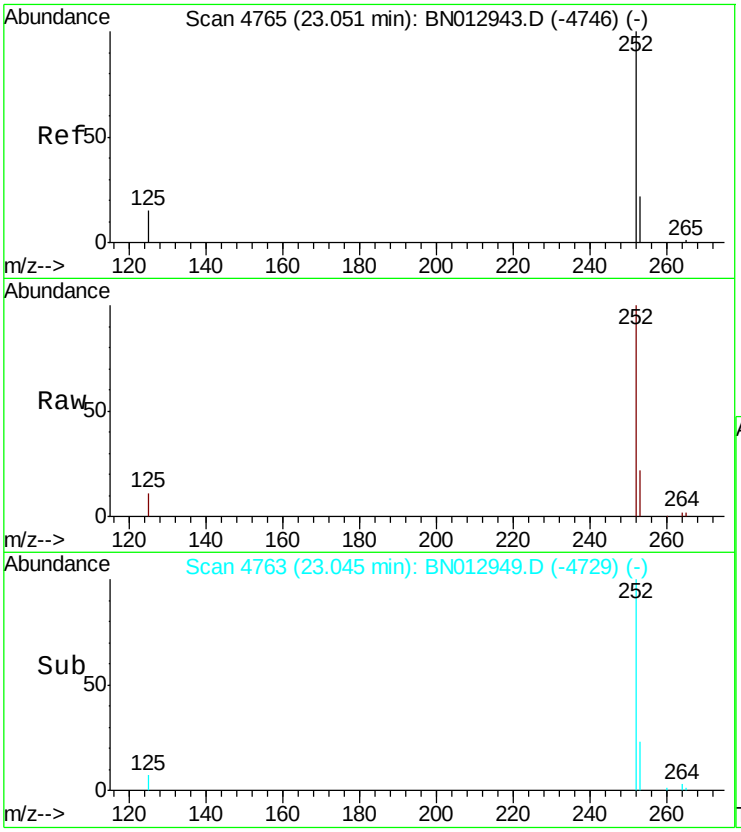


#22
Benzo(k)fluoranthene
Concen: 3.793 ng/ul m
RT: 22.55 min Scan# 4595
Delta R.T. -0.01 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:252 Resp: 81321

Ion	Ratio	Lower	Upper
252	100		
253	23.1	23.4	35.2#
125	10.0	11.1	16.7#





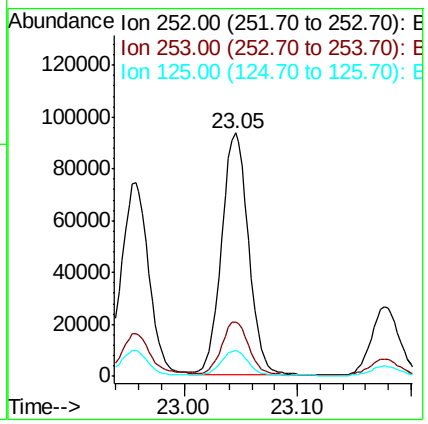
#23
Benzo(a)pyrene
Concen: 8.599 ng/ul
RT: 23.05 min Scan# 4763
Delta R.T. 0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

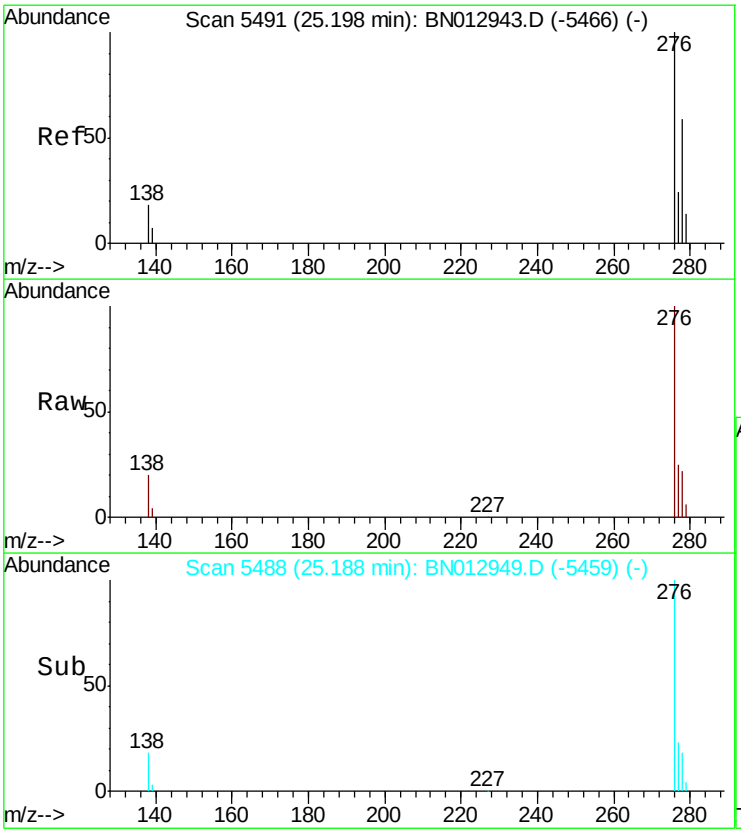
Tgt Ion:252 Resp: 154769

Ion	Ratio	Lower	Upper
252	100		
253	22.4	26.5	39.7#
125	10.6	14.2	21.2#

Instrument :
BNA_N
ClientSampleId :
C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM

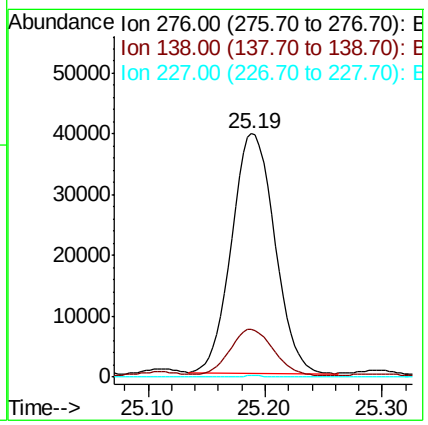


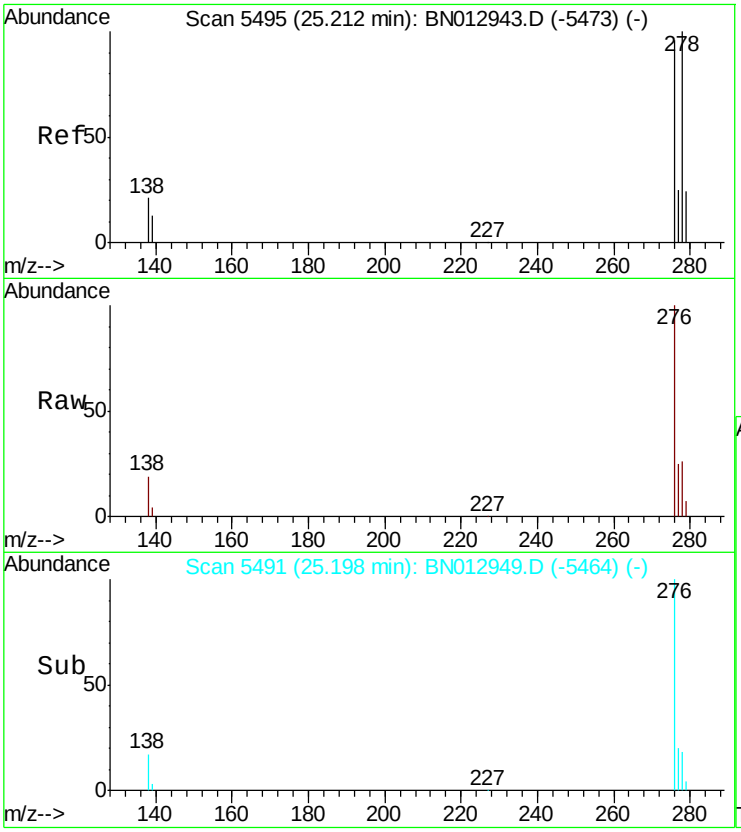


#24
Indeno(1,2,3-cd)pyrene
Concen: 4.271 ng/ul
RT: 25.19 min Scan# 5488
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:276 Resp: 100983

Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.2	24.2
227	0.2	0.0	0.0#

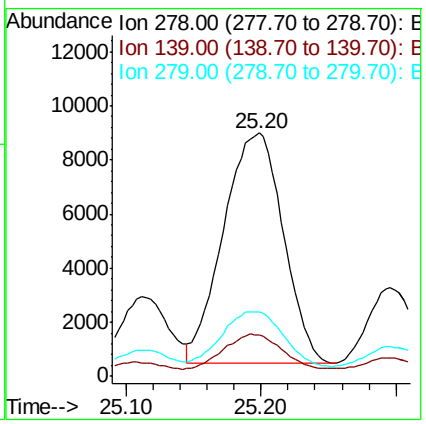




#25
Dibenzo(a,h)anthracene
Concen: 1.403 ng/ul
RT: 25.20 min Scan# 5491
Delta R.T. -0.01 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

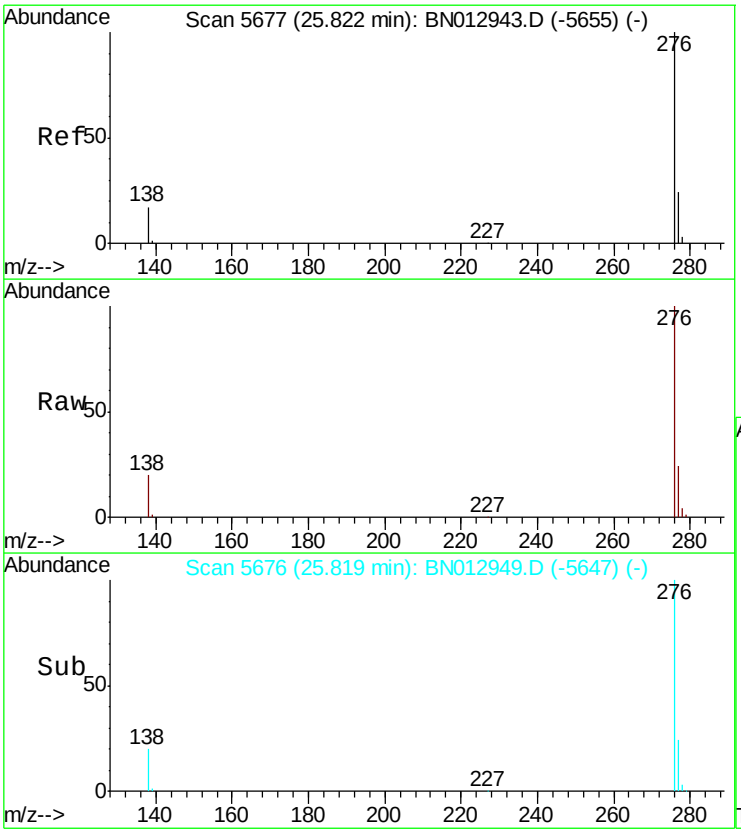
Tgt Ion:278 Resp: 26244

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.5	21.7
279	26.6	26.3	39.5



Instrument :
BNA_N
ClientSampleId :
C0B68

Manual Integrations APPROVED
mohammad
12/9/2020 12:21:31 PM



#26
Benzo(g,h,i)perylene
Concen: 3.748 ng/ul
RT: 25.82 min Scan# 5676
Delta R.T. -0.00 min
Lab File: BN012949.D
Acq: 07 Dec 2020 21:07

Tgt Ion:276 Resp: 80145

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.3	24.5
277	24.5	21.8	32.6