

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
 Data File : BN009255.D
 Acq On : 30 Dec 2019 12:19
 Operator : JU
 Sample : K6322-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C31

Manual Integrations
 APPROVED

mohammad
 12/31/2019 8:27:49 AM

Quant Time: Dec 30 15:19:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 30 11:05:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2267	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8180	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4355	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	8710	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	6856	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	6815	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1981	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	4283	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	2884	0.116	ng/ul#	95
5) 2-Methylnaphthalene	11.93	142	1306	0.070	ng/ul	97
7) Acenaphthylene	13.85	152	11424	0.499	ng/ul	99
8) Acenaphthene	14.20	153	971	0.054	ng/ul	98
9) Fluorene	15.19	166	3442	0.162	ng/ul	97
12) Phenanthrene	16.92	178	42508	1.403	ng/ul	100
13) Anthracene	17.02	178	16870	0.621	ng/ul	99
15) Fluoranthene	18.95	202	137676	3.974	ng/ul	99
17) Pyrene	19.32	202	125936	3.600	ng/ul	98
18) Benzo(a)anthracene	21.07	228	83186	2.732	ng/ul	98
19) Chrysene	21.12	228	57148	1.868	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	86707m	2.725	ng/ul	
22) Benzo(k)fluoranthene	22.63	252	34246m	1.067	ng/ul	
23) Benzo(a)pyrene	23.13	252	52593	1.886	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.31	276	28891	0.951	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.32	278	7122	0.295	ng/ul#	90
26) Benzo(a,h,i)perylene	25.94	276	24054	0.940	ng/ul	97

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

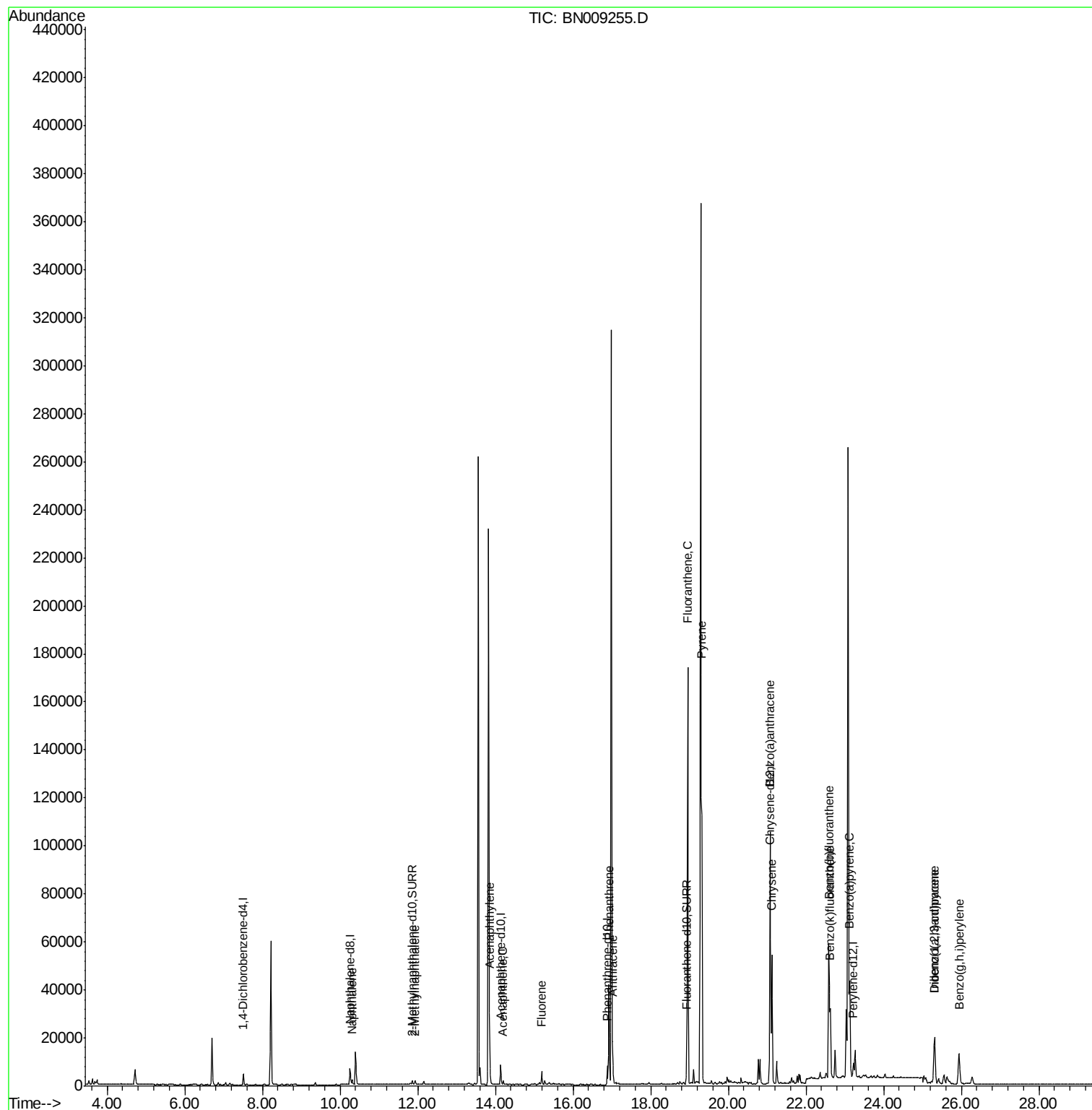
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN123019\
Data File : BN009255.D
Acq On : 30 Dec 2019 12:19
Operator : JU
Sample : K6322-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

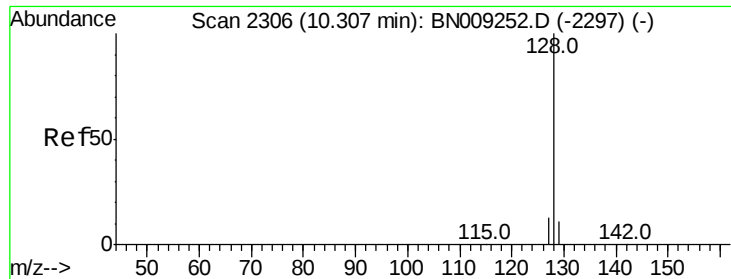
Instrument :
BNA_N
ClientSampleId :
C0C31

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM

Quant Time: Dec 30 15:19:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 30 11:05:47 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.116 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

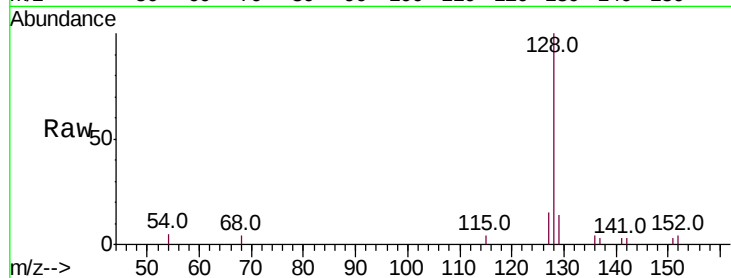
ClientSampled :

C0C31

Tot Ion:	128	Resp:	2884
Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.0	13.4#
127	15.2	10.9	16.3

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM

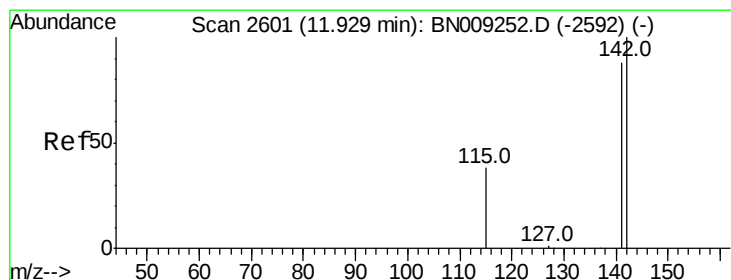
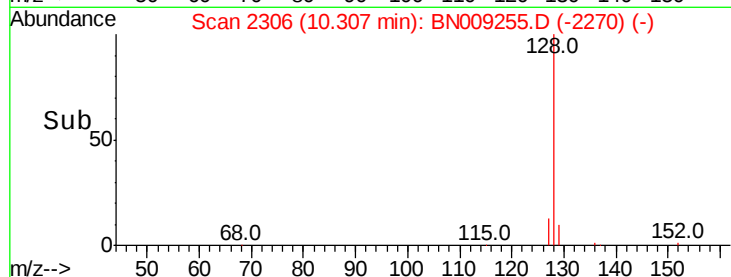
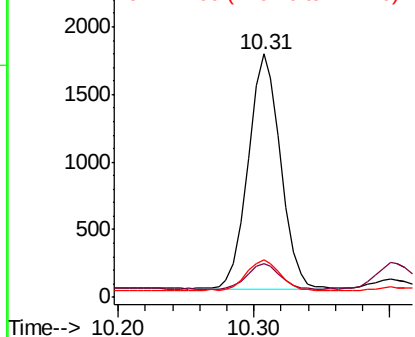


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.070 ng/ul

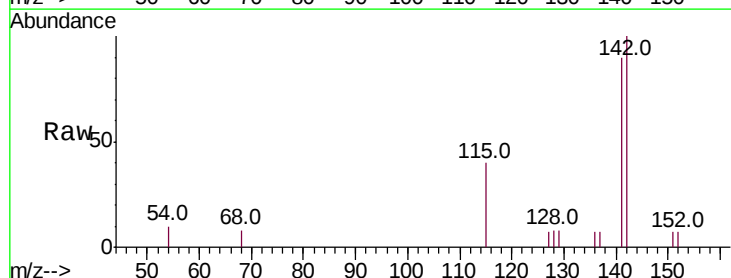
RT: 11.93 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

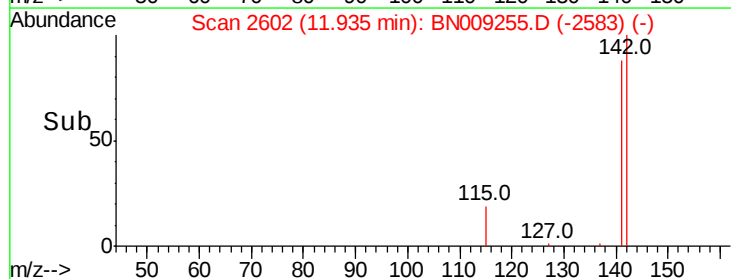
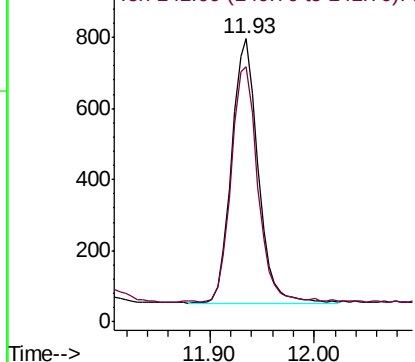
Tgt Ion:	142	Resp:	1306
Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.2	105.4

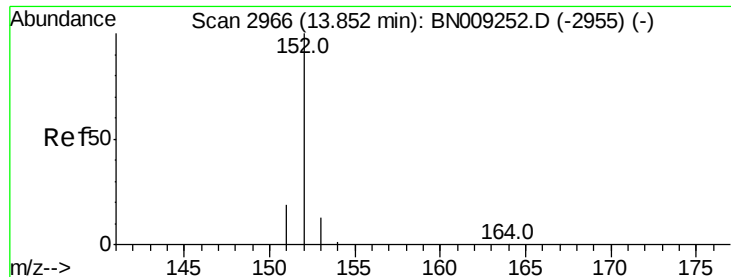


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.499 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

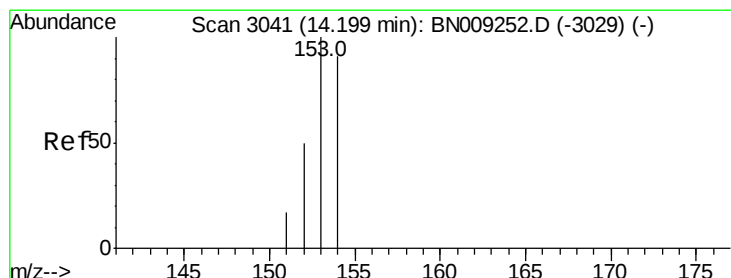
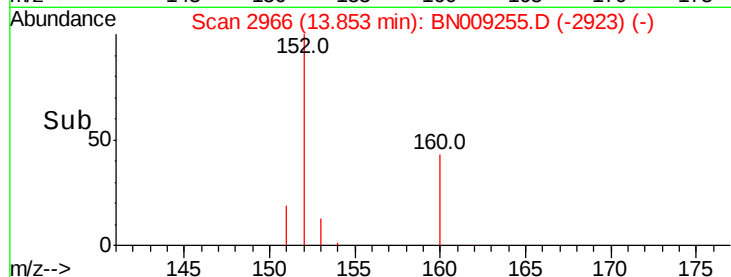
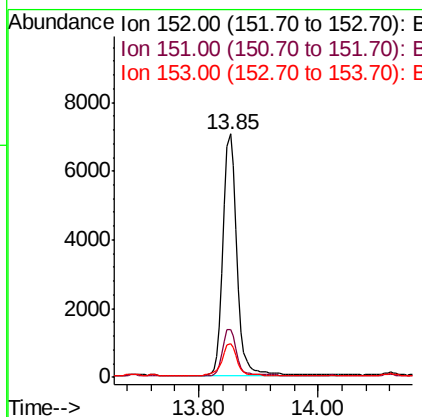
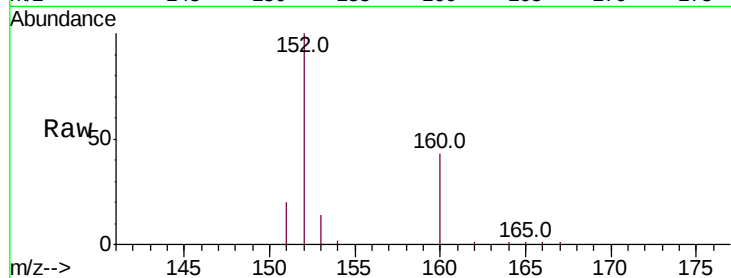
ClientSampleId :

C0C31

Tot Ion:	152	Resp:	11424
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.7	23.5
153	13.9	10.8	16.2

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM



#8

Acenaphthene

Concen: 0.054 ng/ul

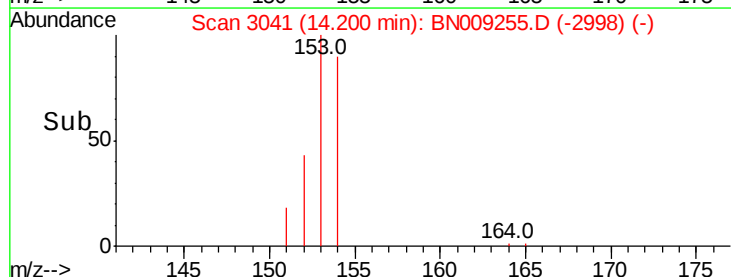
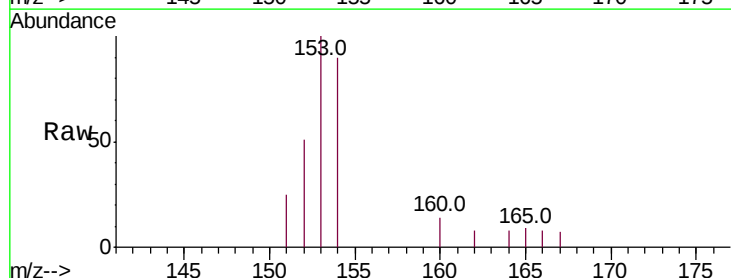
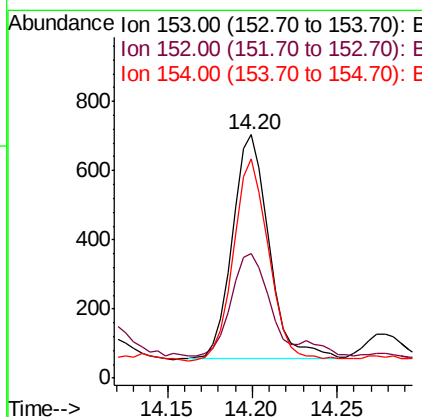
RT: 14.20 min Scan# 3041

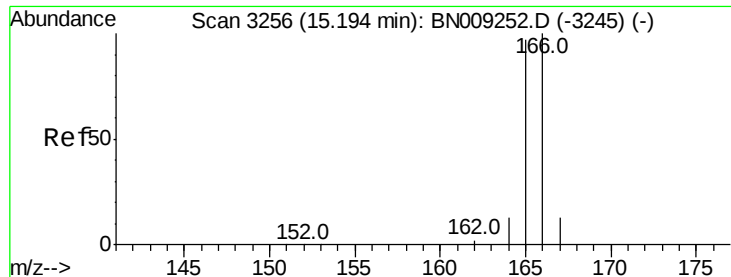
Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Tgt Ion:	153	Resp:	971
Ion Ratio	Lower	Upper	
153	100		
152	51.4	39.5	59.3
154	90.2	71.3	106.9





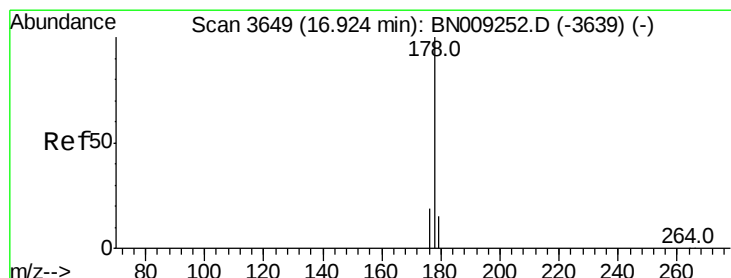
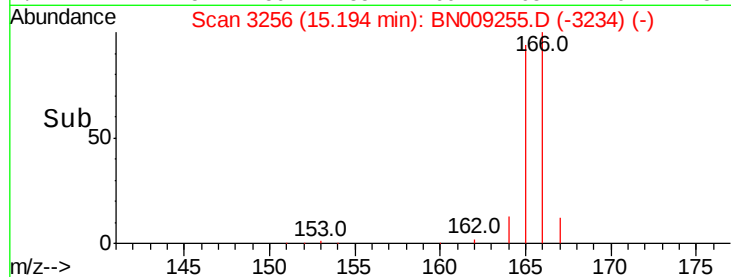
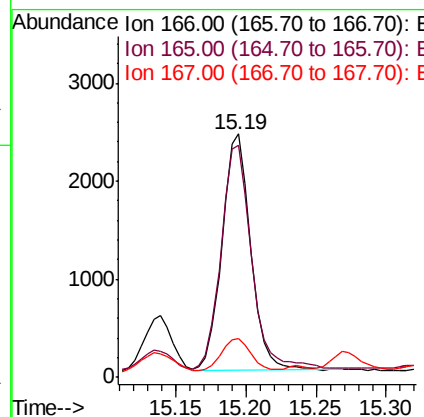
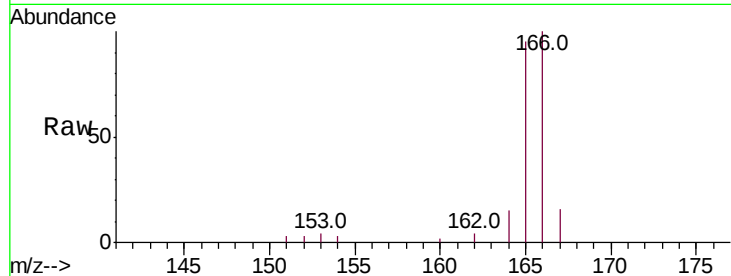
#9
Fluorene
 Concen: 0.162 ng/ul
 RT: 15.19 min Scan# 3256
 Delta R.T. 0.00 min
 Lab File: BN009255.D
 Acq: 30 Dec 2019 12:19

Instrument :
 BNA_N
 ClientSampleId :
 C0C31

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.3	78.2	117.4
167	16.0	11.0	16.6

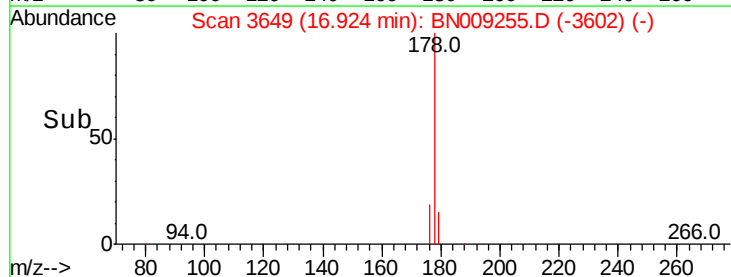
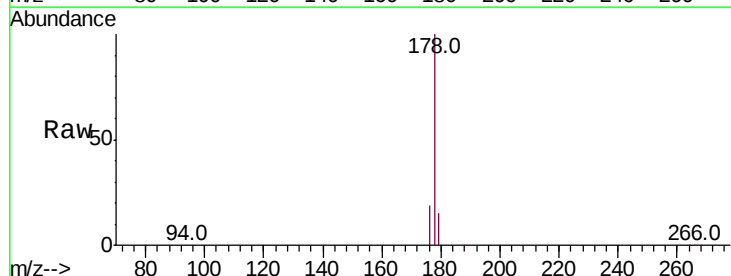
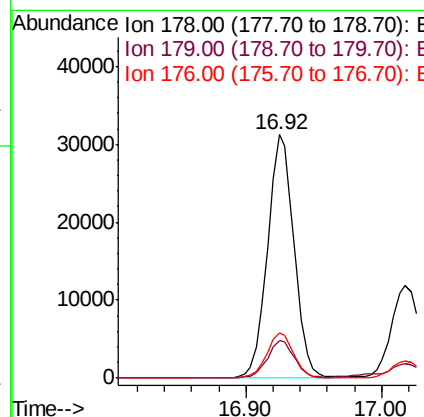
Manual Integrations
 APPROVED

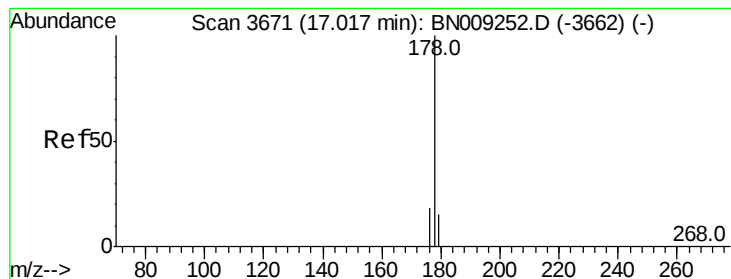
mohammad
 12/31/2019 8:27:49 AM



#12
Phenanthrene
 Concen: 1.403 ng/ul
 RT: 16.92 min Scan# 3649
 Delta R.T. 0.00 min
 Lab File: BN009255.D
 Acq: 30 Dec 2019 12:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	18.7	15.1	22.7





#13

Anthracene

Concen: 0.621 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C0C31

Tot Ion:178 Resp: 16870

Ion Ratio Lower Upper

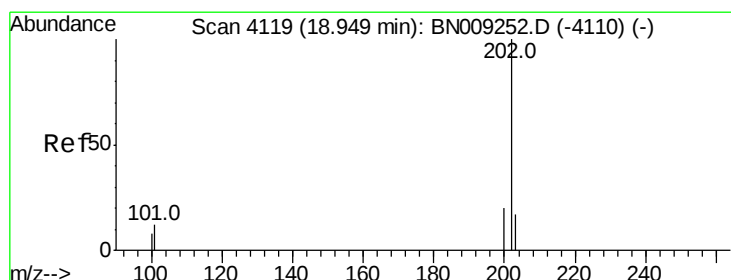
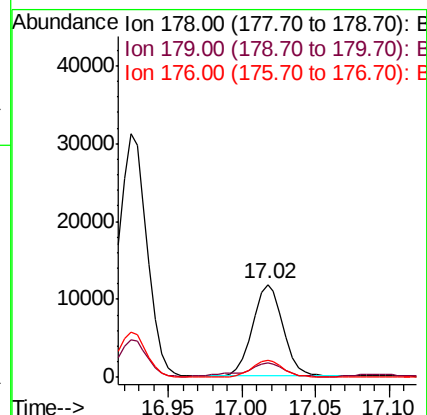
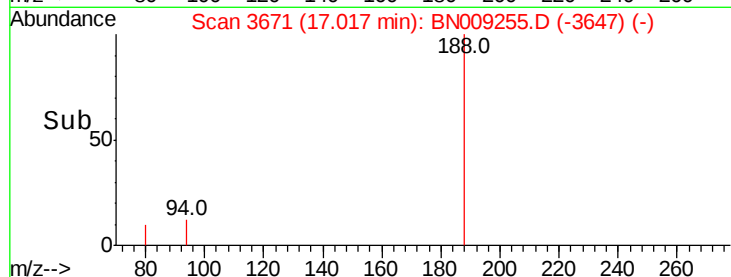
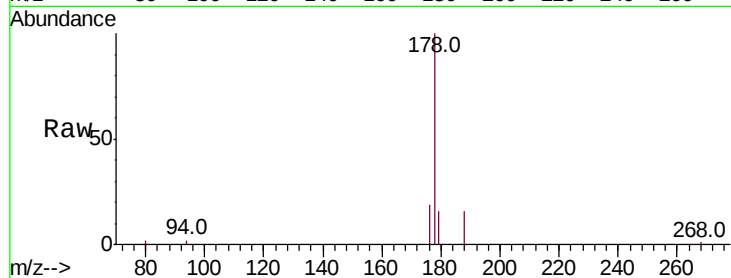
178 100

179 16.0 12.5 18.7

176 18.8 14.9 22.3

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM



#15

Fluoranthene

Concen: 3.974 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

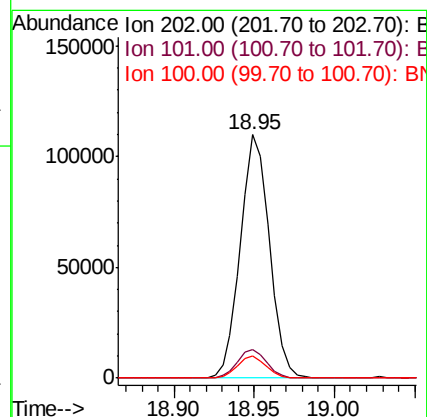
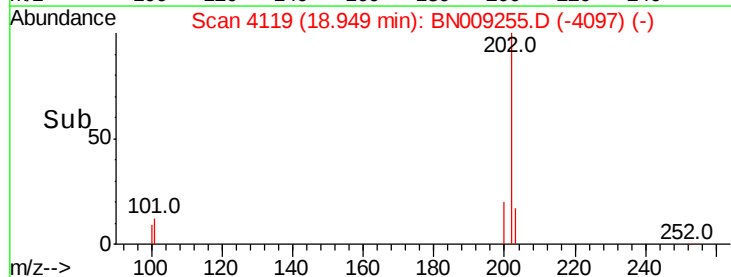
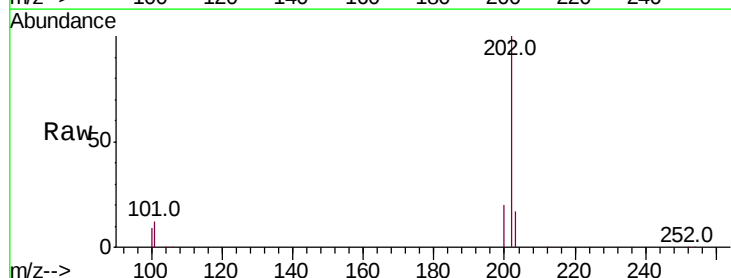
Tgt Ion:202 Resp: 137676

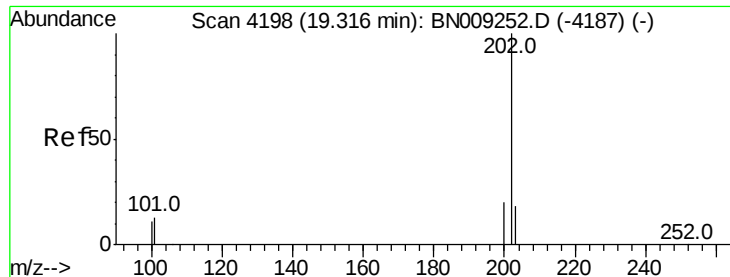
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.5

100 9.0 0.0 28.9





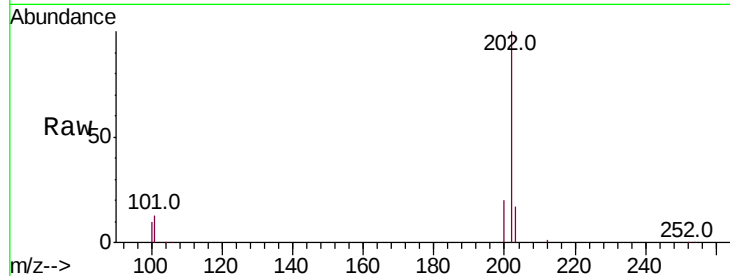
#17
Pvrene
Concen: 3.600 ng/ul
RT: 19.32 min Scan# 4198
Delta R.T. 0.00 min
Lab File: BN009255.D
Acq: 30 Dec 2019 12:19

Instrument :
BNA_N
ClientSampleId :
C0C31

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	10.9	16.3
100	10.4	9.0	13.6

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM

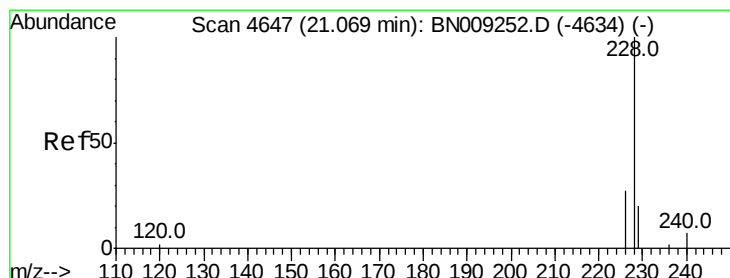
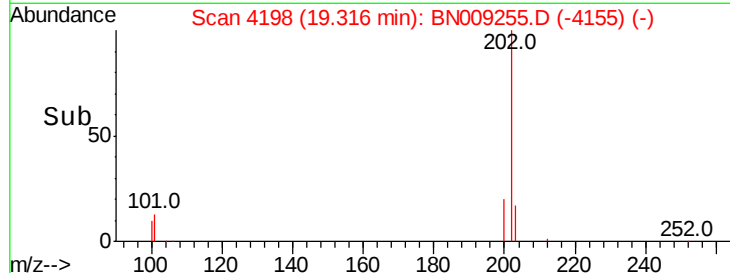
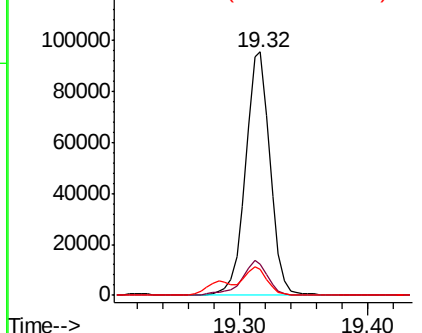


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18
Benzo(a)anthracene
Concen: 2.732 ng/ul
RT: 21.07 min Scan# 4648
Delta R.T. 0.00 min
Lab File: BN009255.D
Acq: 30 Dec 2019 12:19

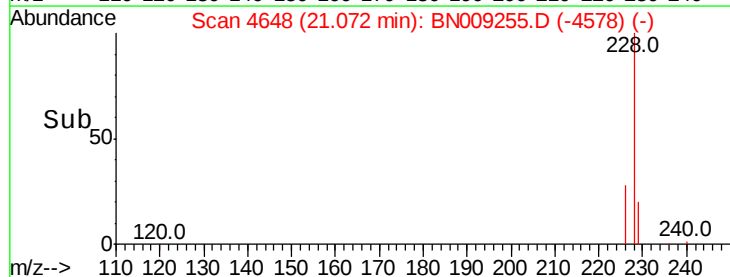
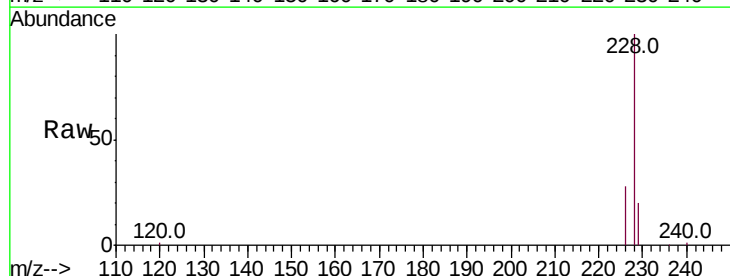
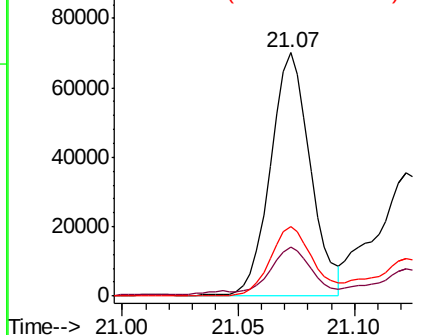
Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.4	15.5	23.3
226	28.3	21.7	32.5

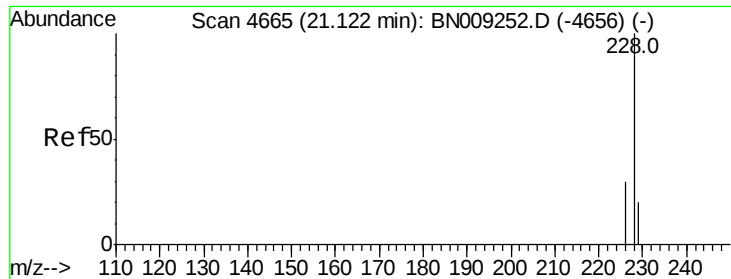
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.868 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

ClientSampled :

C0C31

Tot Ion:228 Resp: 57148

Ion Ratio Lower Upper

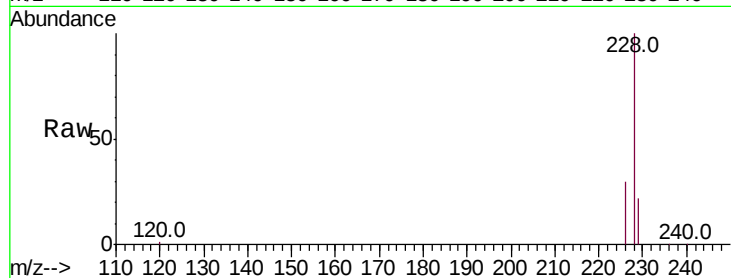
228 100

226 29.9 23.7 35.5

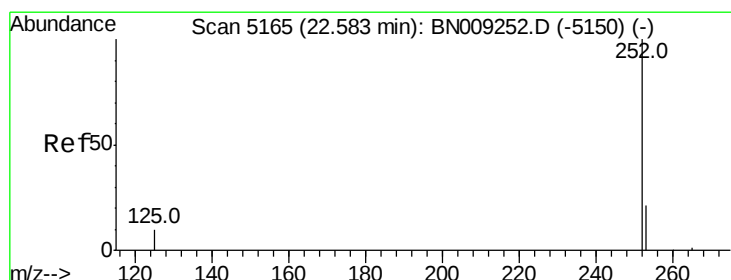
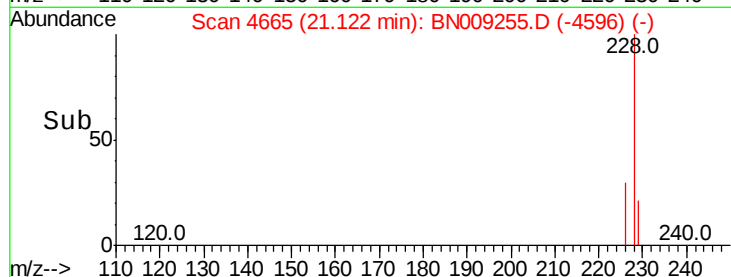
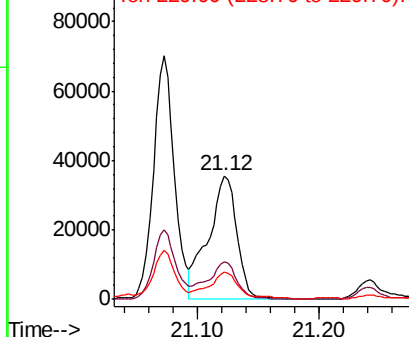
229 21.6 15.4 23.0

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#21

Benzo(b)fluoranthene

Concen: 2.725 ng/ul m

RT: 22.59 min Scan# 5167

Delta R.T. 0.01 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

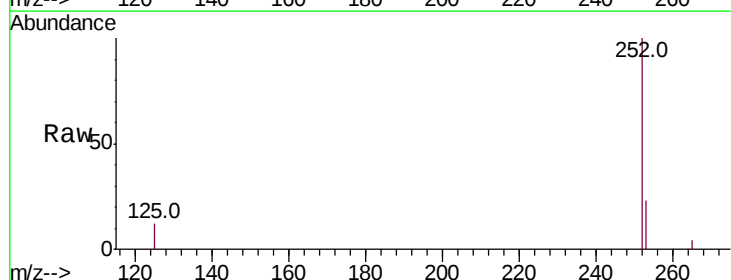
Tgt Ion:252 Resp: 86707

Ion Ratio Lower Upper

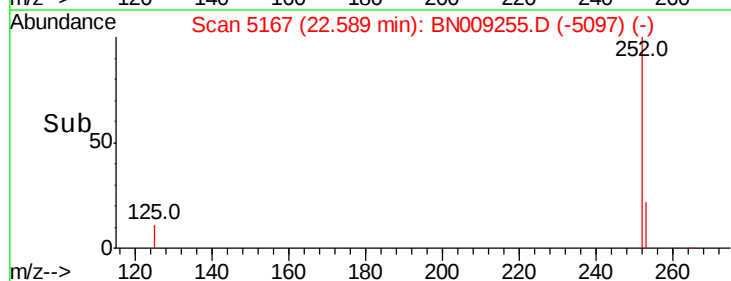
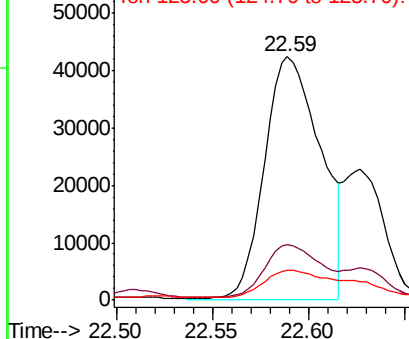
252 100

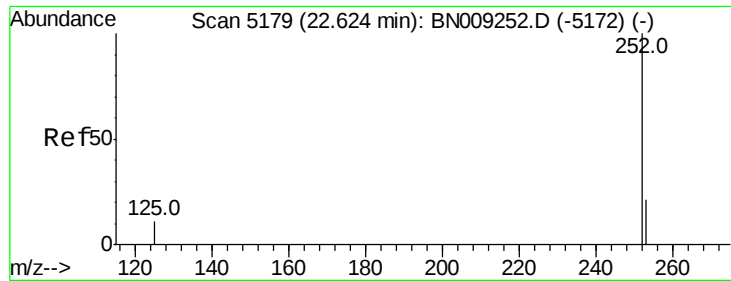
253 22.9 0.0 48.2

125 12.1 0.0 30.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.067 ng/ul m

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

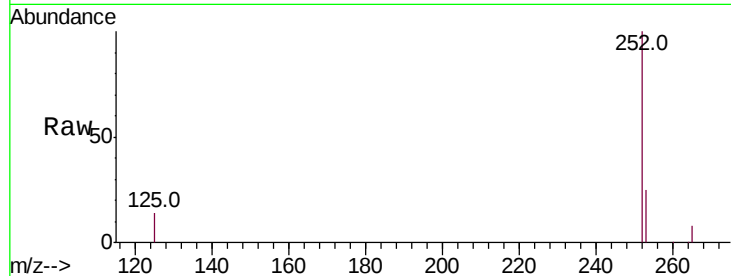
ClientSampleId :

C0C31

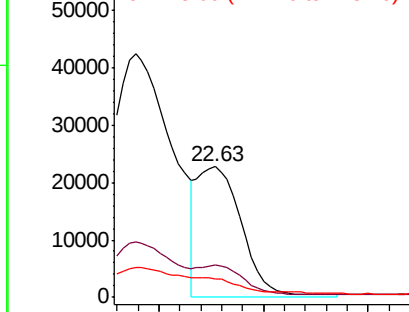
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.4	29.0
125	14.5	12.4	18.6

Manual Integrations
APPROVED

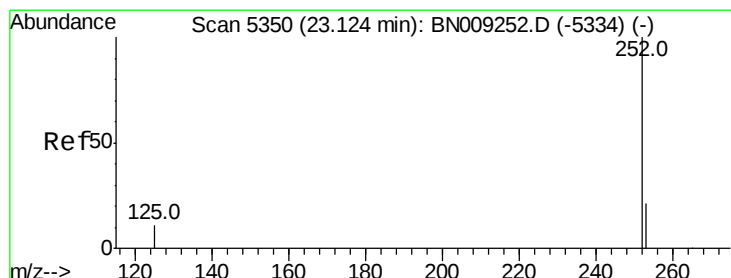
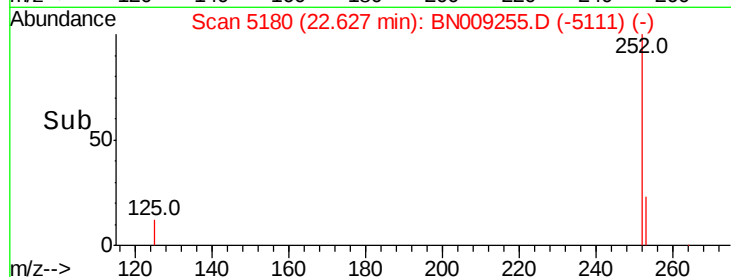
mohammad
12/31/2019 8:27:49 AM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#23

Benzo(a)pyrene

Concen: 1.886 ng/ul

RT: 23.13 min Scan# 5351

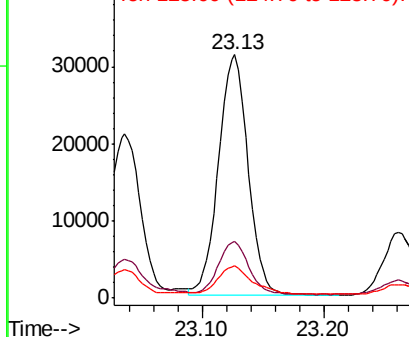
Delta R.T. 0.00 min

Lab File: BN009255.D

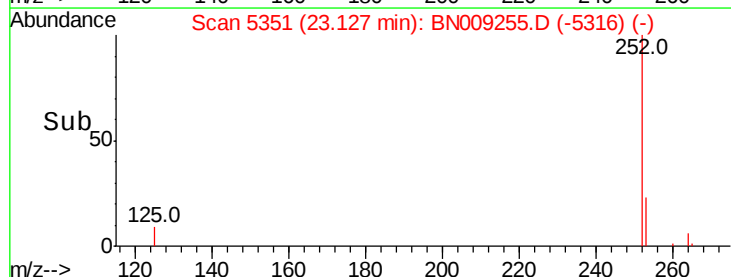
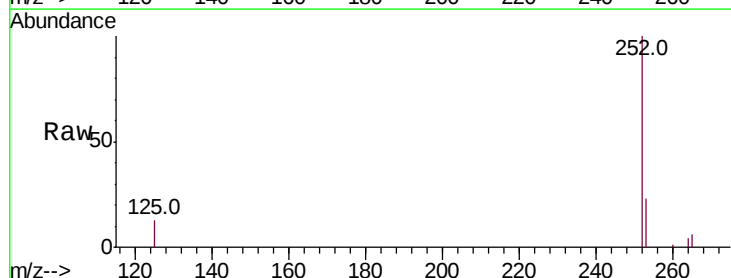
Acq: 30 Dec 2019 12:19

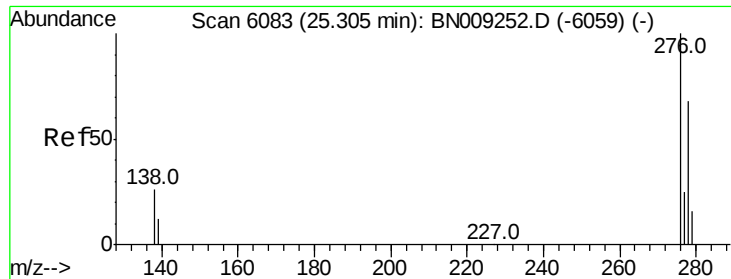
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.2	30.4
125	13.2	13.2	19.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.951 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. 0.00 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

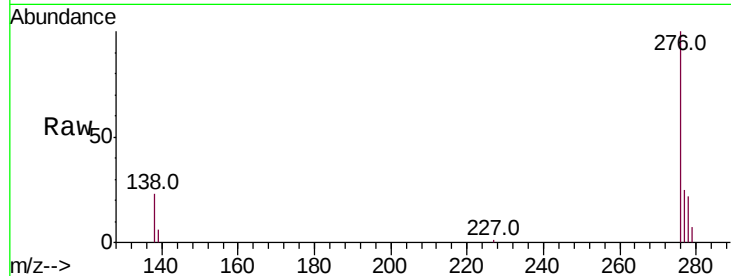
ClientSampleId :

C0C31

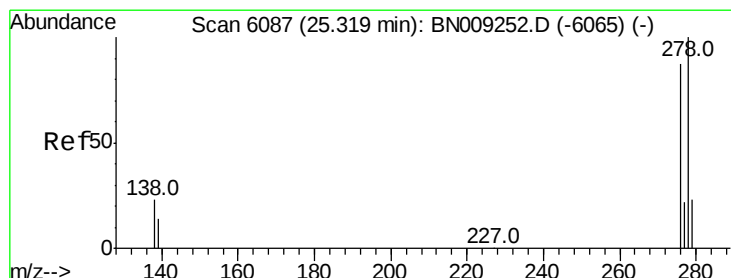
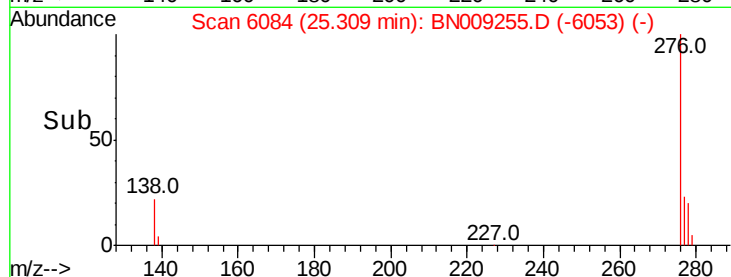
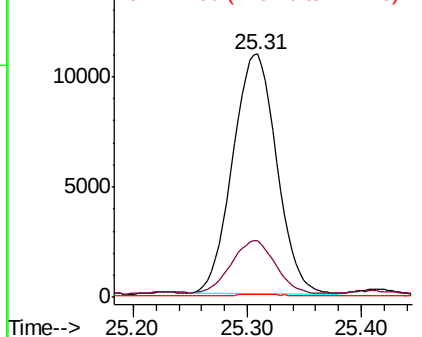
Tot Ion:	276	Resp:	28891
Ion Ratio	Lower	Upper	
276	100		
138	22.3	22.4	33.6#
227	0.2	0.2	0.4#

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



#25

Dibenzo(a,h)anthracene

Concen: 0.295 ng/ul

RT: 25.32 min Scan# 6086

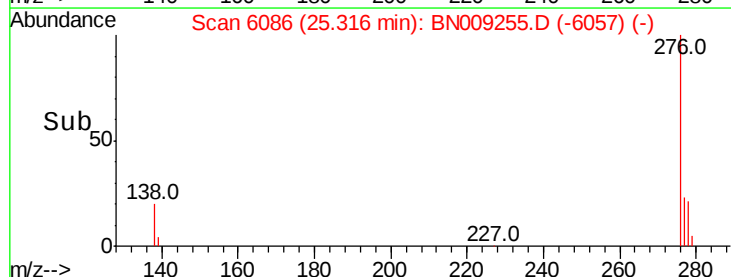
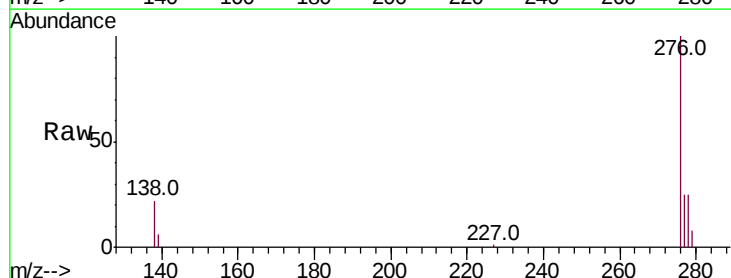
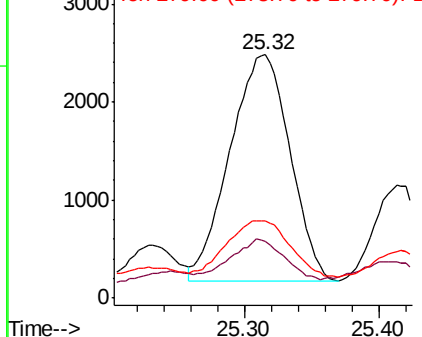
Delta R.T. -0.00 min

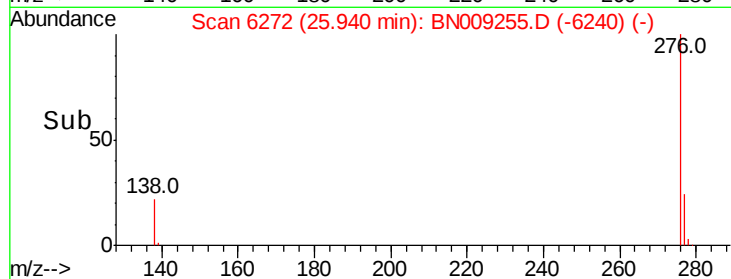
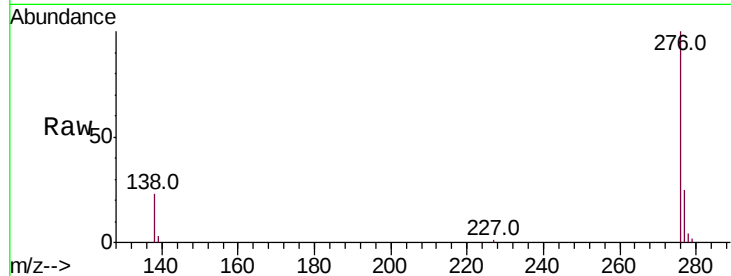
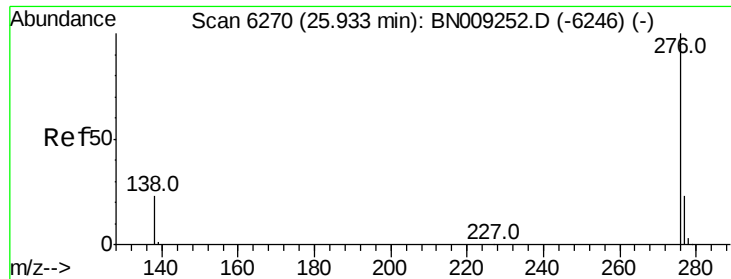
Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Tgt Ion:	278	Resp:	7122
Ion Ratio	Lower	Upper	
278	100		
139	23.1	16.2	24.2
279	31.9	20.3	30.5#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.940 ng/ul

RT: 25.94 min Scan# 6272

Delta R.T. 0.01 min

Lab File: BN009255.D

Acq: 30 Dec 2019 12:19

Instrument :

BNA_N

ClientSampleId :

C0C31

Tot Ion:	276	Resp:	24054
Ion Ratio	Lower	Upper	
276	100		
138	23.4	20.6	30.8
277	24.8	19.6	29.4

Manual Integrations
APPROVED

mohammad
12/31/2019 8:27:49 AM

