

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
 Data File : BN006150.D
 Acq On : 07 Jun 2019 00:38
 Operator : JU/SJ
 Sample : K3201-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC1

Manual Integrations
 APPROVED

mohammad
 6/11/2019 5:07:39 PM

Quant Time: Jun 07 01:54:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 07 01:31:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5827	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	21414	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	11705	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	25469m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	21093m	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	19992m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	8807	0.27	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	22478m	0.33	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.48	128	9780	0.166	ng/ul	98
5) 2-Methylnaphthalene	12.10	142	4732	0.115	ng/ul	99
7) Acenaphthylene	14.01	152	45303	0.696	ng/ul	100
8) Acenaphthene	14.36	153	12972	0.287	ng/ul	99
9) Fluorene	15.35	166	15026	0.285	ng/ul#	97
12) Phenanthrene	17.09	178	407667m	4.986	ng/ul	
13) Anthracene	17.18	178	89902m	1.151	ng/ul	
15) Fluoranthene	19.12	202	1027387m	11.380	ng/ul	
17) Pyrene	19.49	202	957392	8.617	ng/ul	98
18) Benzo(a)anthracene	21.25	228	503708m	5.399	ng/ul	
19) Chrysene	21.30	228	512229	5.849	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	620248m	7.440	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	212388m	2.616	ng/ul	
23) Benzo(a)pyrene	23.40	252	429078	5.527	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.73	276	285344	3.395	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.73	278	75213	1.120	ng/ul	96
26) Benzo(a,h,i)perylene	26.41	276	230088	3.269	ng/ul	94

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

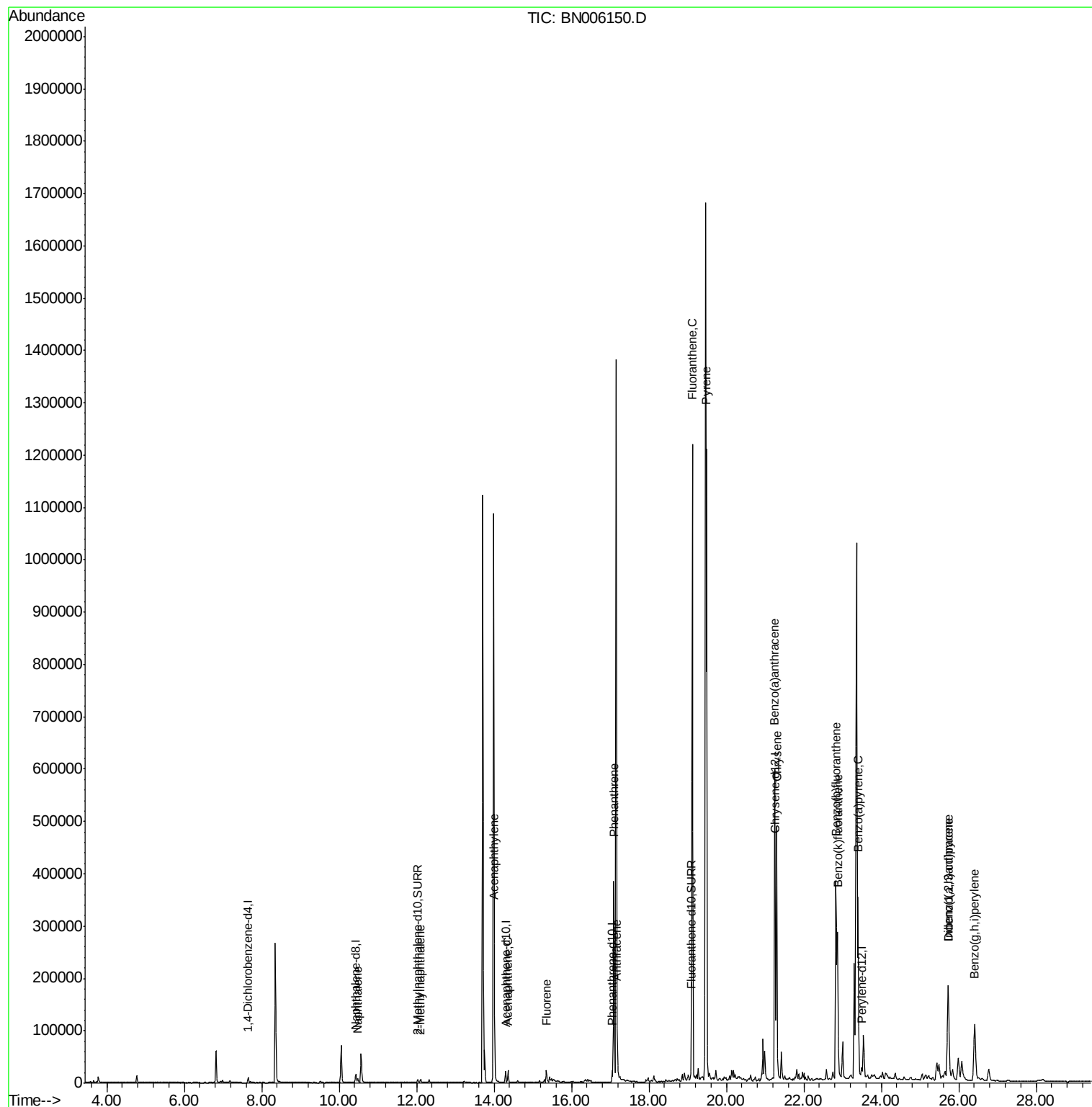
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060619\
Data File : BN006150.D
Acq On : 07 Jun 2019 00:38
Operator : JU/SJ
Sample : K3201-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

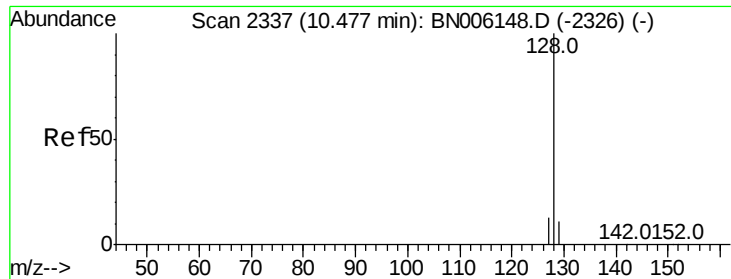
Instrument :
BNA_N
ClientSampleId :
C0AC1

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM

Quant Time: Jun 07 01:54:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.166 ng/ul

RT: 10.48 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

C0AC1

Tot Ion:128 Resp: 9780

Ion Ratio Lower Upper

128 100

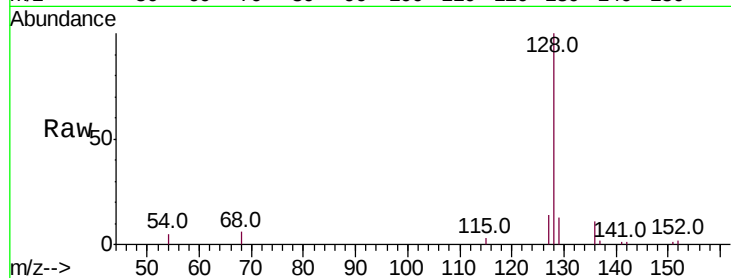
129 13.1 9.3 13.9

127 13.8 10.7 16.1

Manual Integrations
APPROVED

mohammad

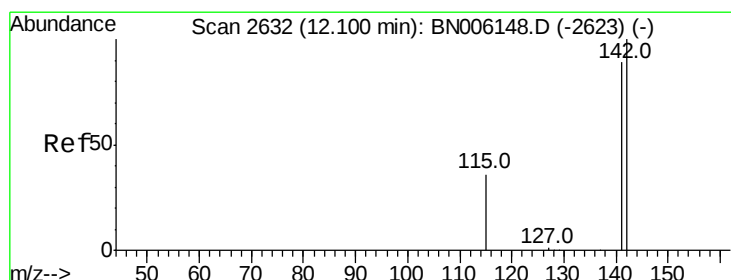
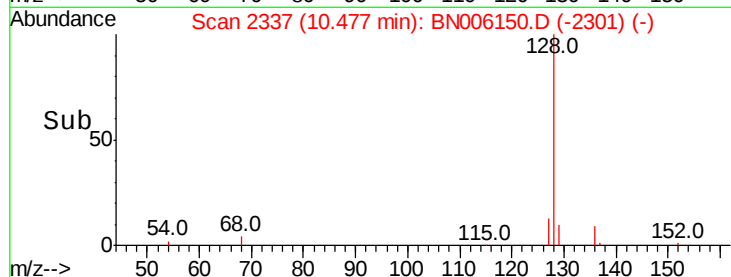
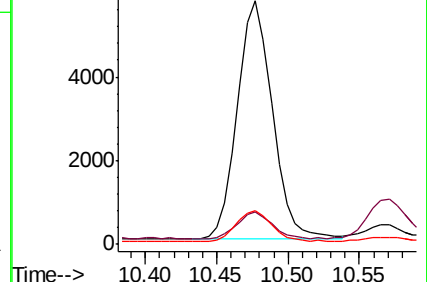
6/11/2019 5:07:39 PM



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: 0.115 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006150.D

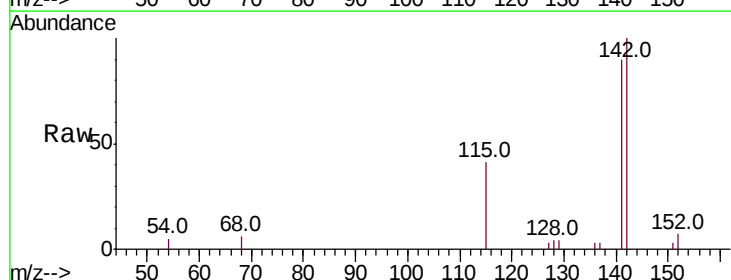
Acq: 07 Jun 2019 00:38

Tgt Ion:142 Resp: 4732

Ion Ratio Lower Upper

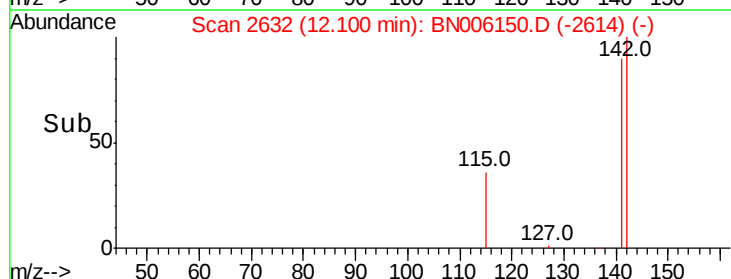
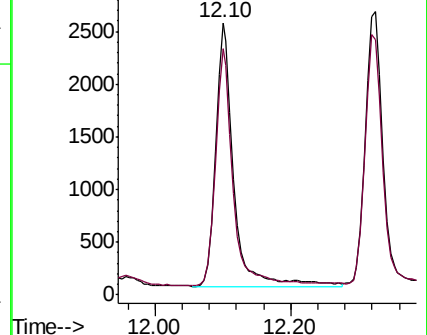
142 100

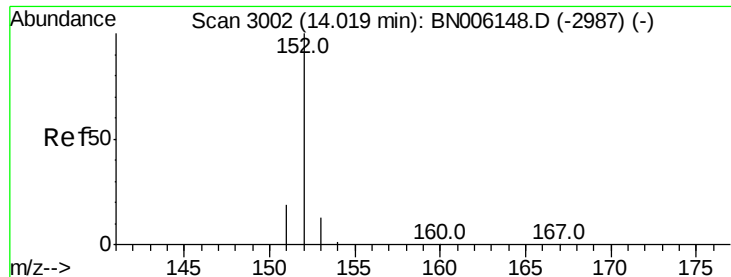
141 88.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.696 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Instrument :

BNA_N

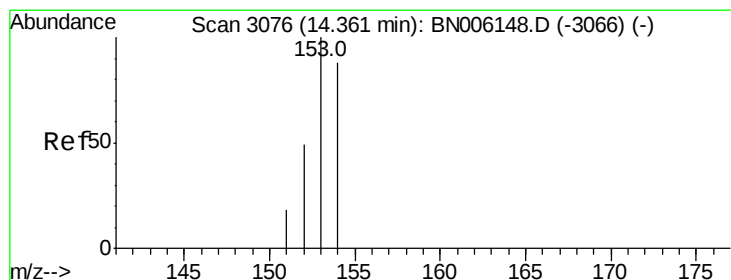
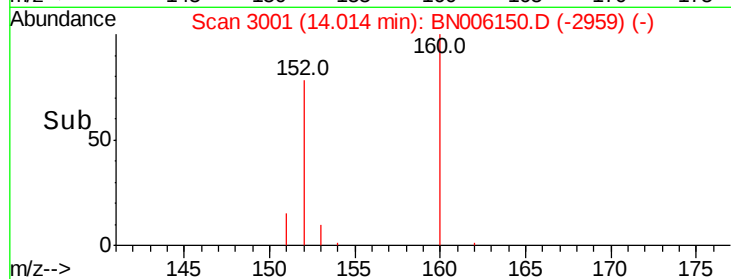
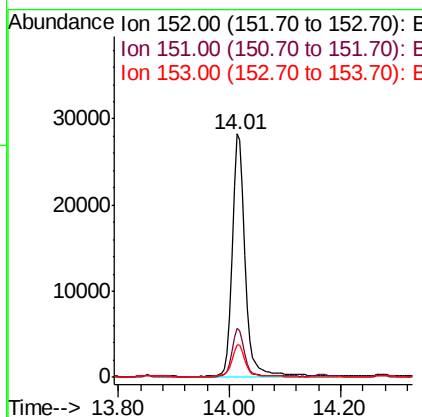
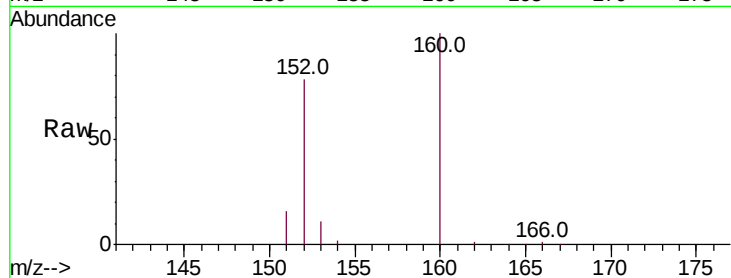
ClientSampleId :

C0AC1

Tot Ion:	152	Resp:	45303
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.8	23.8
153	13.5	10.8	16.2

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM



#8

Acenaphthene

Concen: 0.287 ng/ul

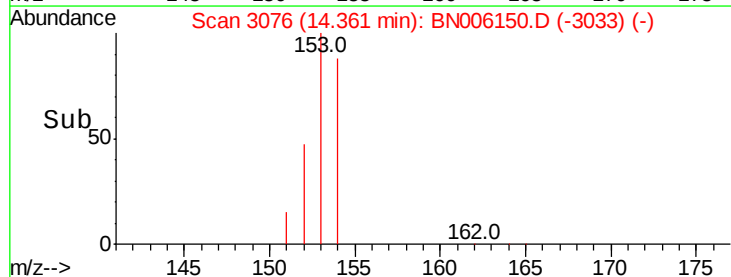
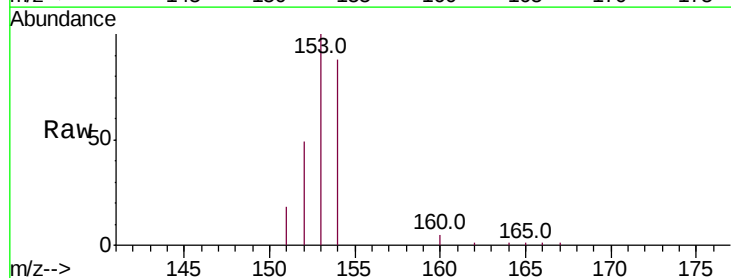
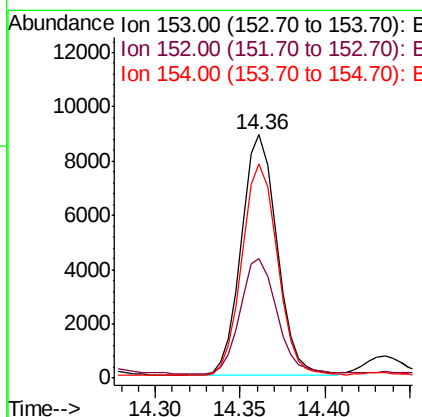
RT: 14.36 min Scan# 3076

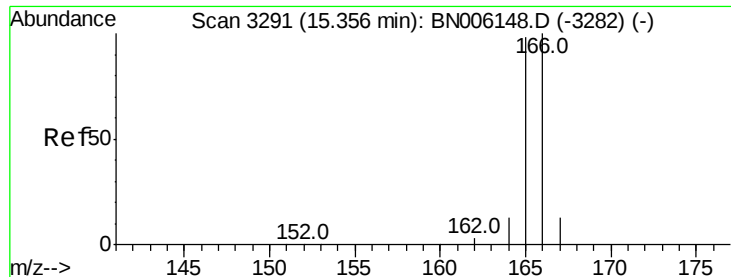
Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Tgt Ion:	153	Resp:	12972
Ion Ratio	Lower	Upper	
153	100		
152	49.0	39.1	58.7
154	88.2	71.1	106.7





#9

Fluorene

Concen: 0.285 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

C0AC1

Tot Ion:166 Resp: 15026

Ion Ratio Lower Upper

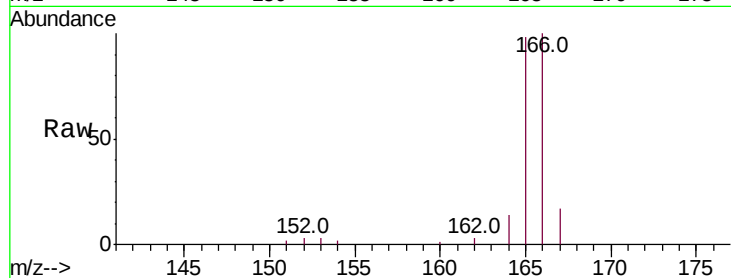
166 100

165 98.1 76.4 114.6

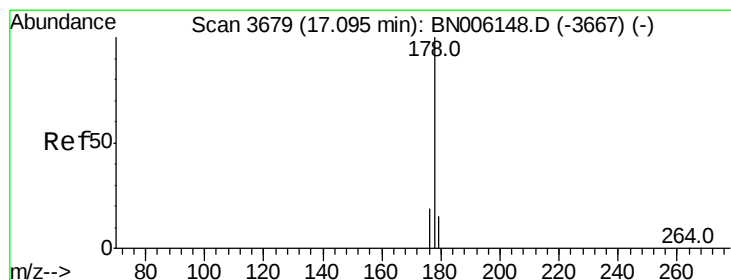
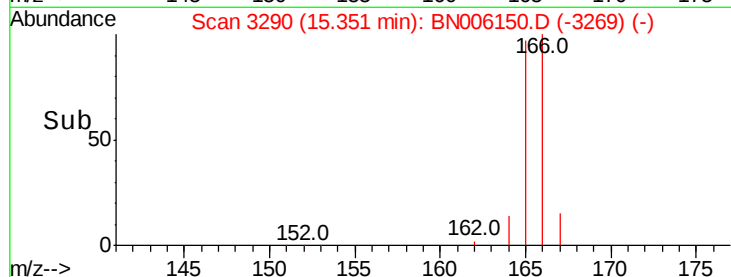
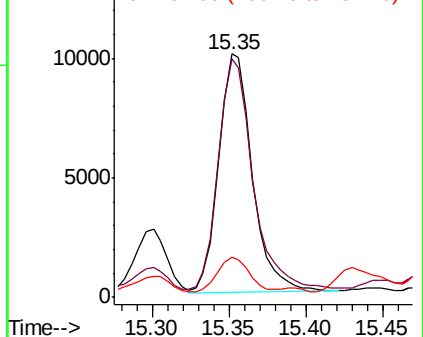
167 16.7 11.0 16.6#

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 4.986 ng/ul m

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

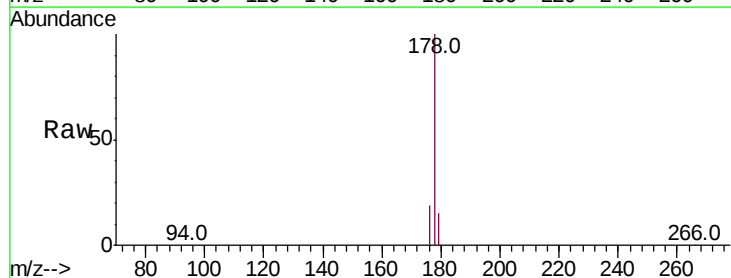
Tgt Ion:178 Resp: 407667

Ion Ratio Lower Upper

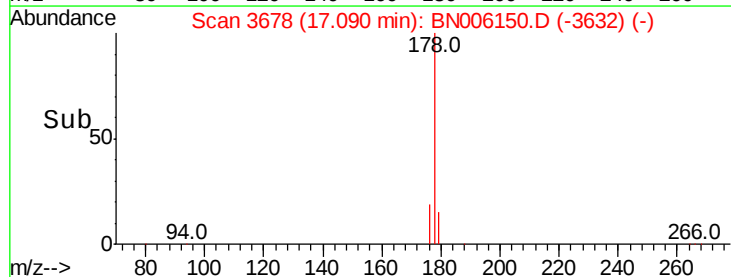
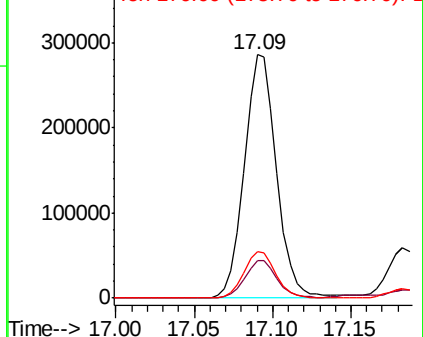
178 100

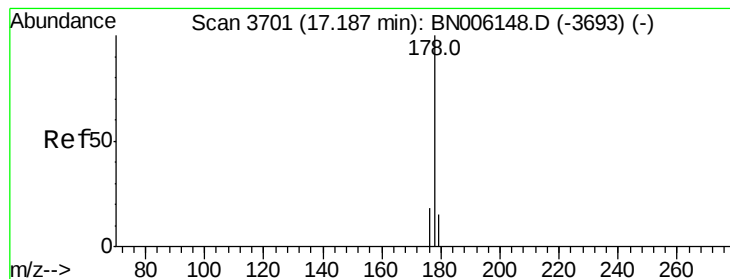
179 15.3 12.3 18.5

176 19.2 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 1.151 ng/ul m

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Instrument :

BNA_N

ClientSampleId :

C0AC1

Tot Ion:178 Resp: 89902

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

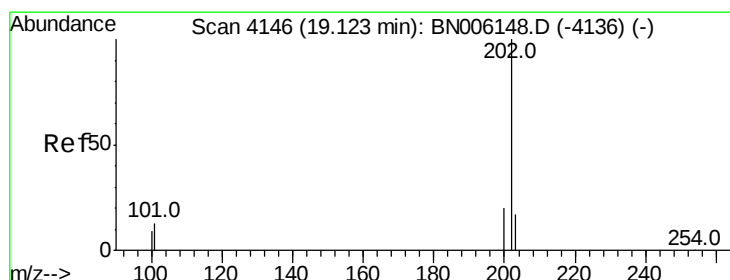
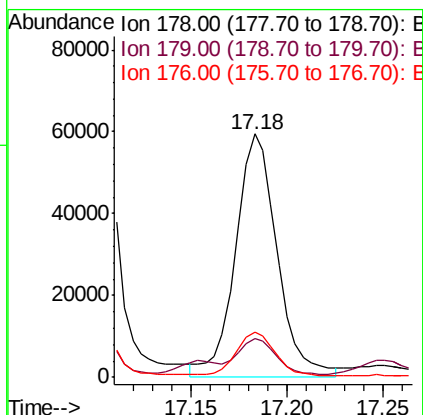
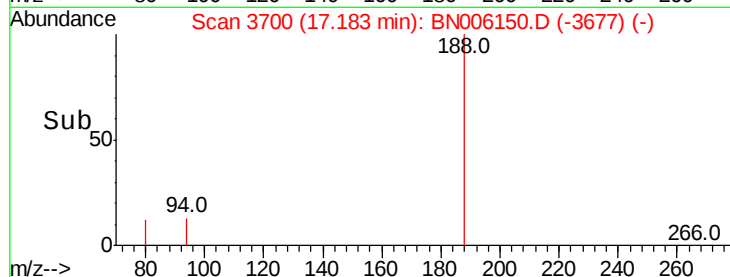
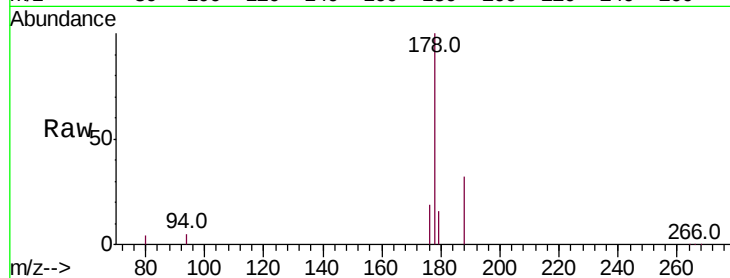
176 18.7 15.1 22.7

Manual Integrations

APPROVED

mohammad

6/11/2019 5:07:39 PM



#15

Fluoranthene

Concen: 11.380 ng/ul m

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

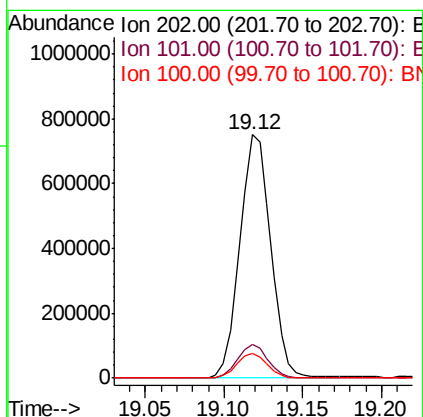
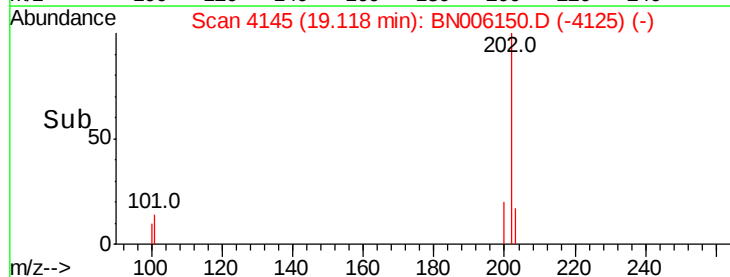
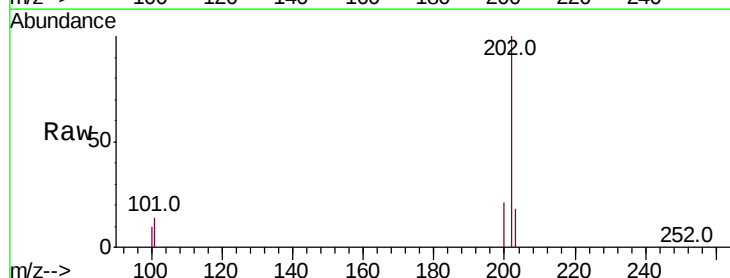
Tgt Ion:202 Resp: 1027387

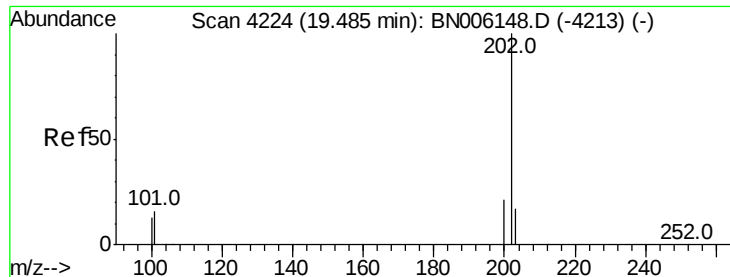
Ion Ratio Lower Upper

202 100

101 13.9 0.0 32.1

100 10.2 0.0 28.7





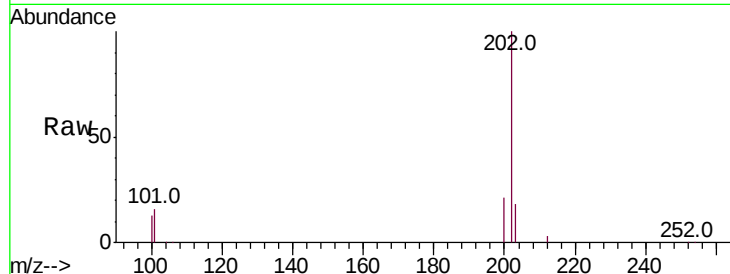
#17
Pvrene
Concen: 8.617 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN006150.D
Acq: 07 Jun 2019 00:38

Instrument :
BNA_N
ClientSampleId :
C0AC1

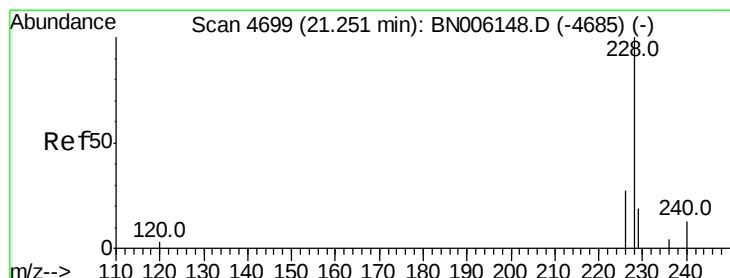
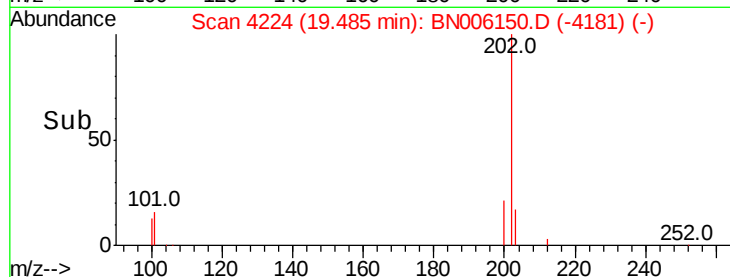
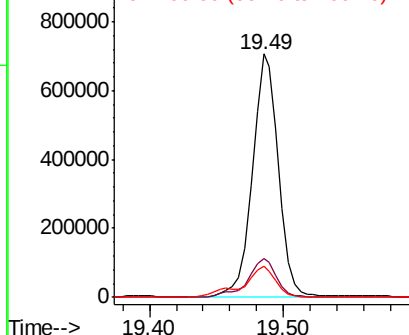
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.2	12.2	18.2
100	12.8	9.8	14.6

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM



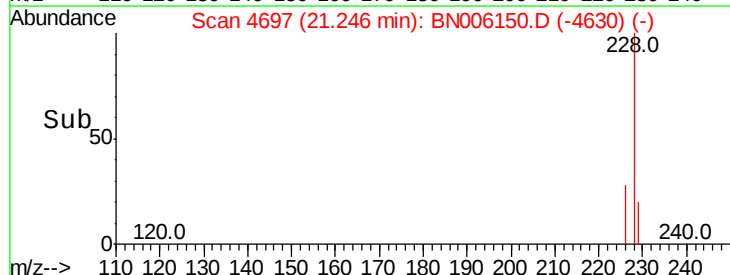
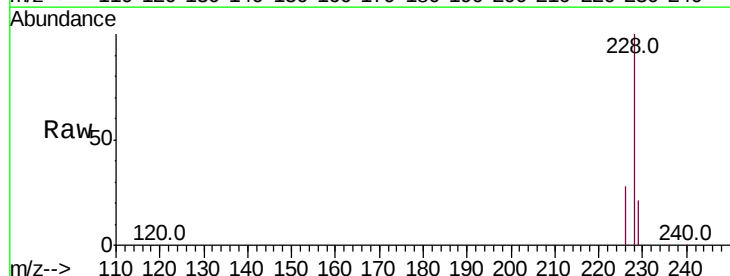
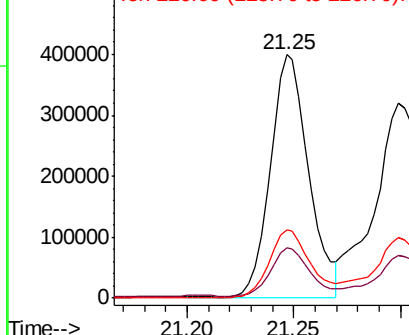
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

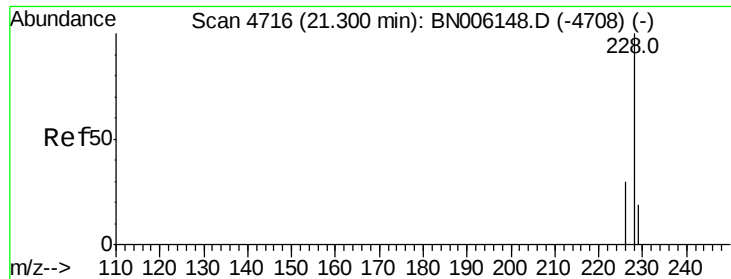


#18
Benzo(a)anthracene
Concen: 5.399 ng/ul m
RT: 21.25 min Scan# 4697
Delta R.T. -0.00 min
Lab File: BN006150.D
Acq: 07 Jun 2019 00:38

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.5	16.5	24.7
226	28.2	22.8	34.2

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: 5.849 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

Instrument :

BNA_N

ClientSampled :

C0AC1

Tot Ion:228 Resp: 512229

Ion Ratio Lower Upper

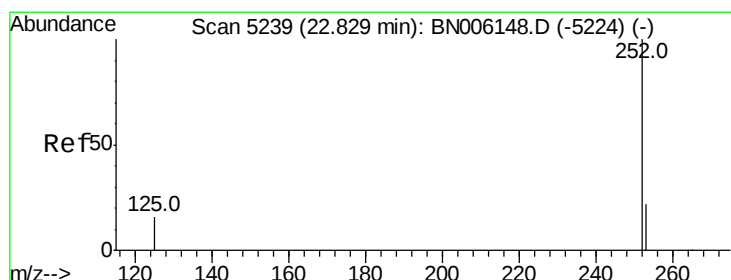
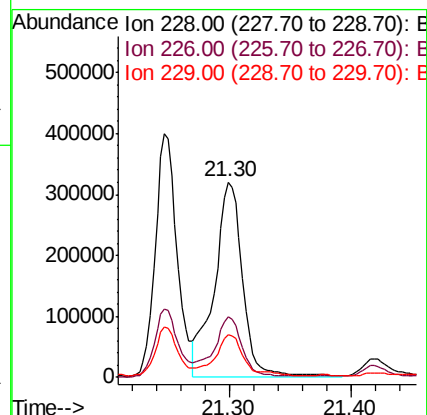
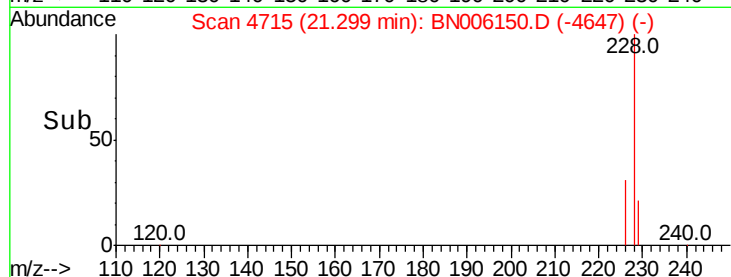
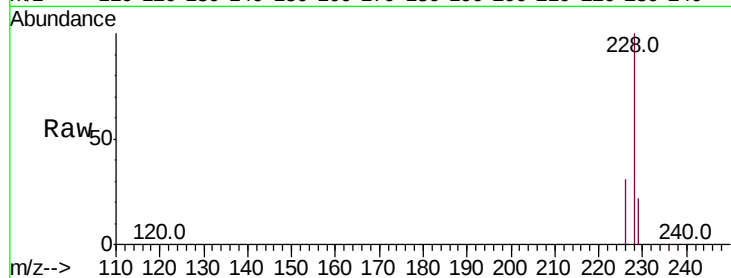
228 100

226 30.8 25.0 37.6

229 21.8 16.3 24.5

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM



#21

Benzo(b)fluoranthene

Concen: 7.440 ng/ul m

RT: 22.83 min Scan# 5239

Delta R.T. 0.00 min

Lab File: BN006150.D

Acq: 07 Jun 2019 00:38

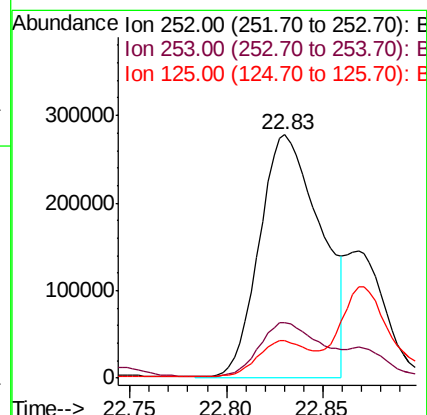
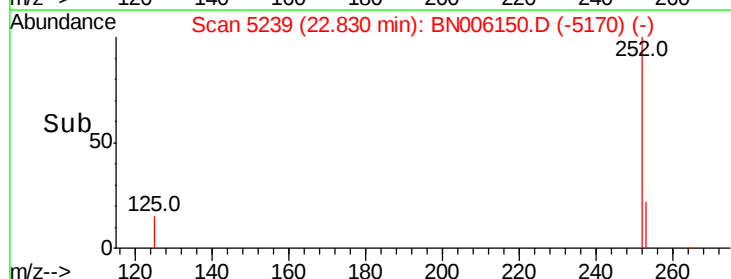
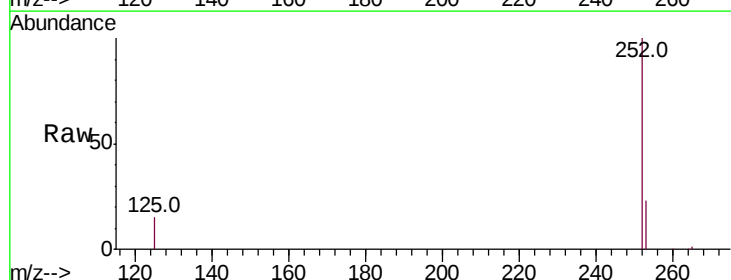
Tgt Ion:252 Resp: 620248

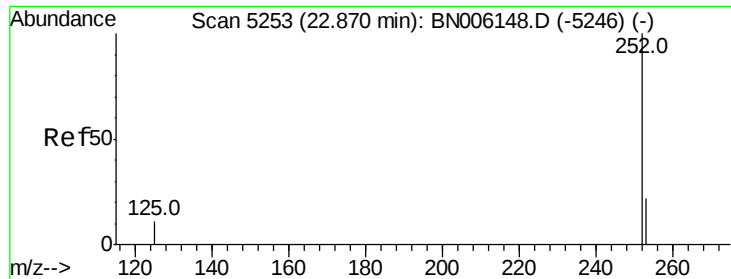
Ion Ratio Lower Upper

252 100

253 22.9 0.0 51.4

125 15.3 0.0 41.0





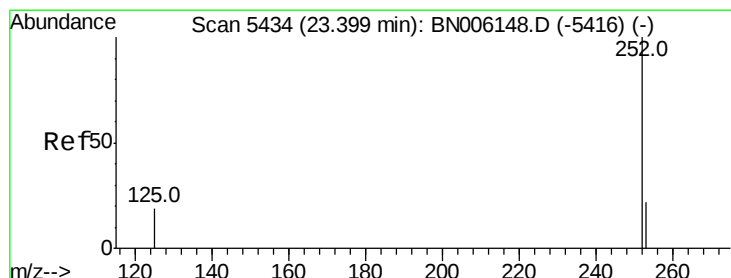
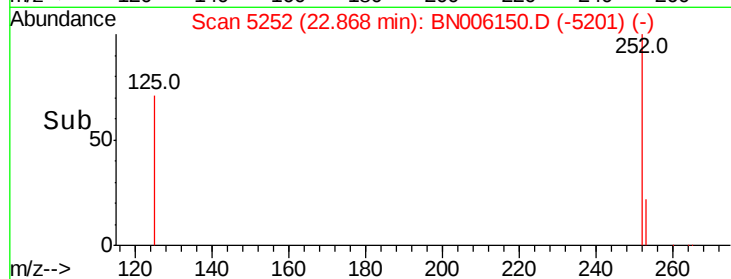
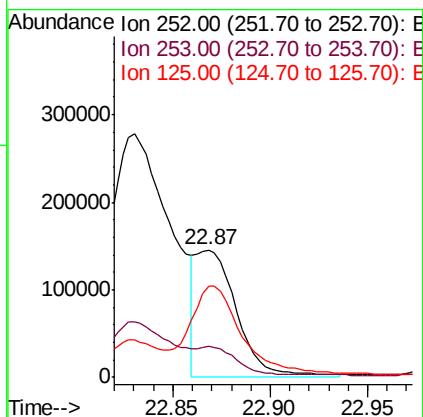
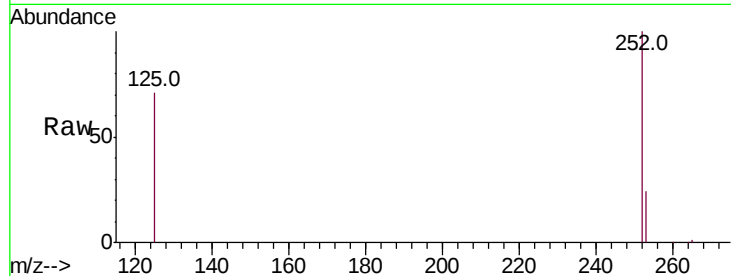
#22
Benzo(k)fluoranthene
Concen: 2.616 ng/ul m
RT: 22.87 min Scan# 5252
Delta R.T. -0.00 min
Lab File: BN006150.D
Acq: 07 Jun 2019 00:38

Instrument :
BNA_N
ClientSampleId :
C0AC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.3	30.5
125	71.4	14.3	21.5#

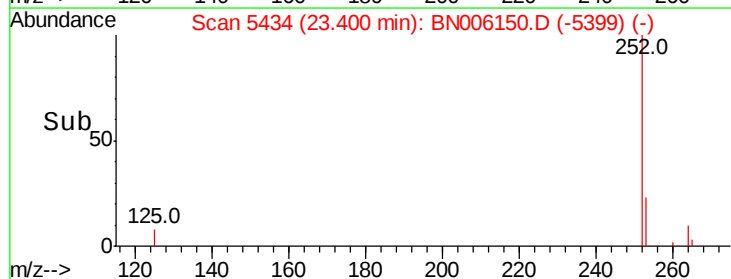
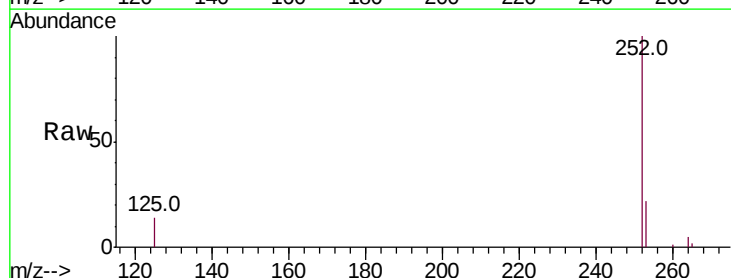
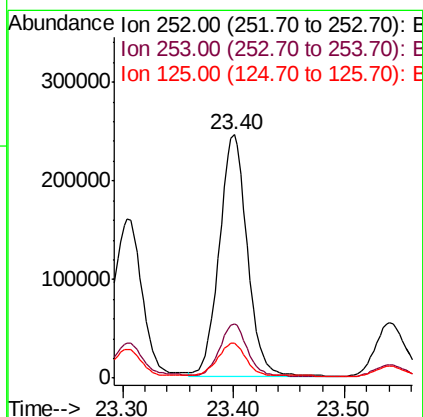
Manual Integrations
APPROVED

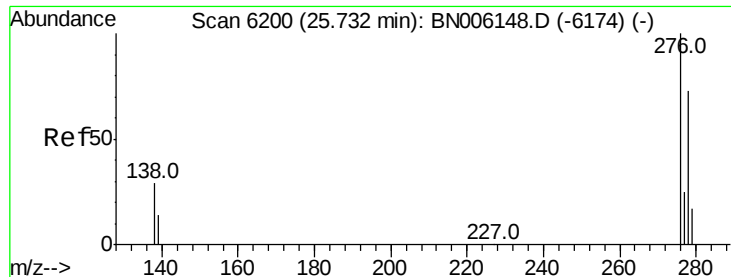
mohammad
6/11/2019 5:07:39 PM



#23
Benzo(a)pyrene
Concen: 5.527 ng/ul
RT: 23.40 min Scan# 5434
Delta R.T. 0.00 min
Lab File: BN006150.D
Acq: 07 Jun 2019 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	21.1	31.7
125	14.2	20.3	30.5#





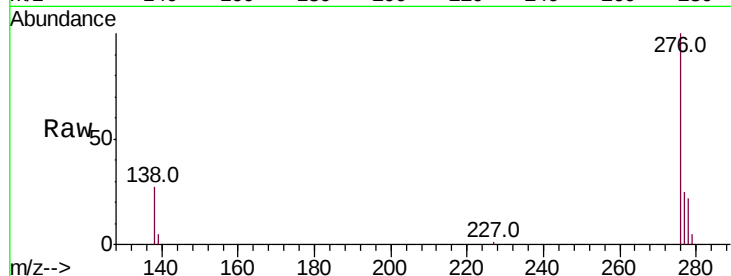
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 3.395 ng/ul
 RT: 25.73 min Scan# 6198
 Delta R.T. -0.01 min
 Lab File: BN006150.D
 Acq: 07 Jun 2019 00:38

Instrument :
 BNA_N
 ClientSampled :
 C0AC1

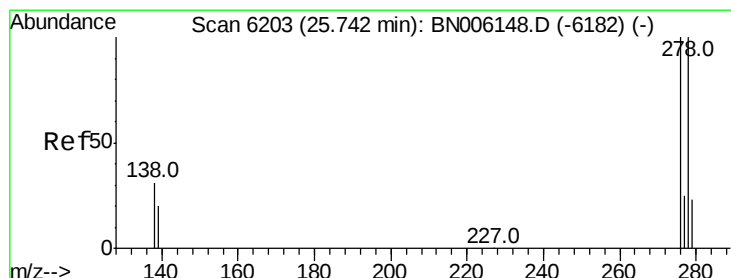
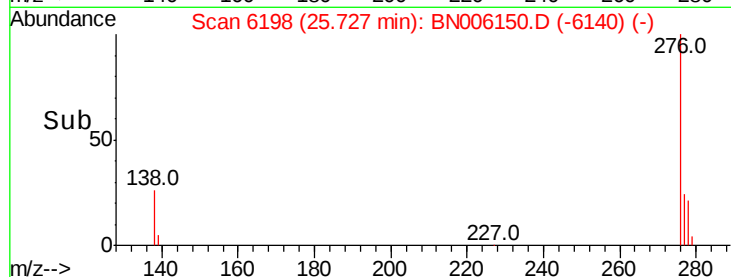
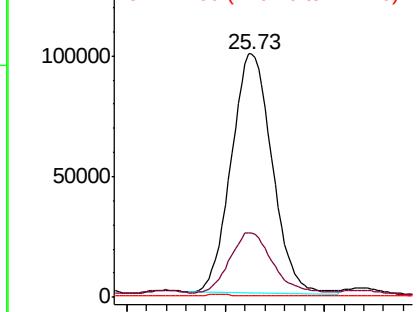
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.6	38.4
227	0.0	0.3	0.5

Manual Integrations
 APPROVED

mohammad
 6/11/2019 5:07:39 PM



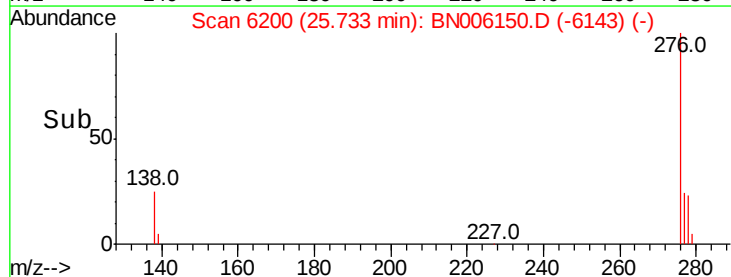
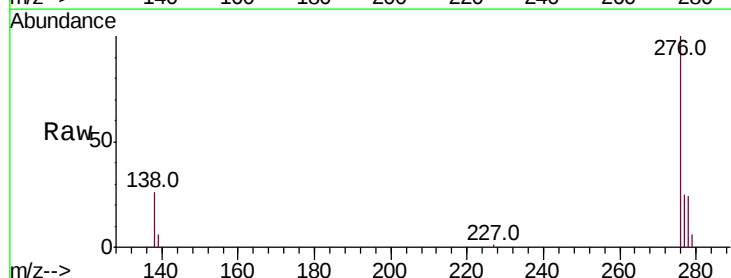
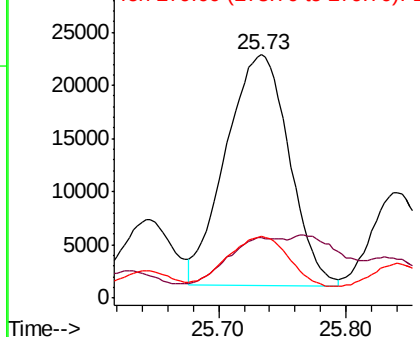
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

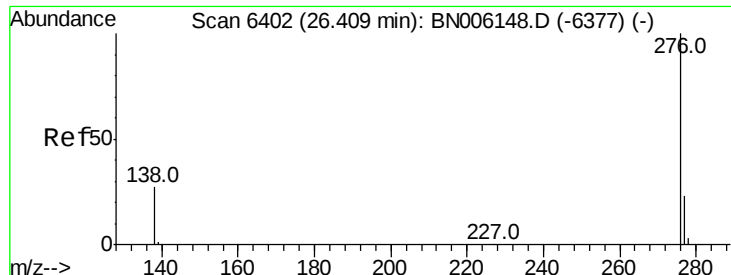


#25
 Dibenzo(a,h)anthracene
 Concen: 1.120 ng/ul
 RT: 25.73 min Scan# 6200
 Delta R.T. -0.01 min
 Lab File: BN006150.D
 Acq: 07 Jun 2019 00:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.1	21.2	31.8
279	25.3	22.6	33.8

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





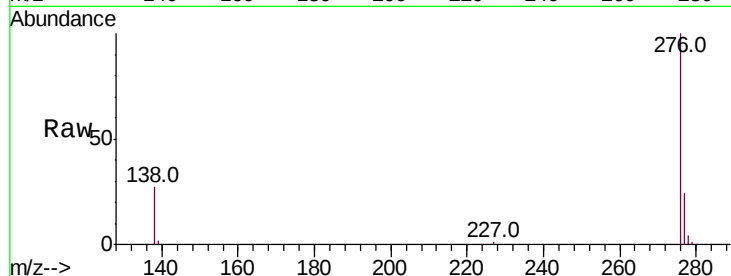
#26
Benzo(a,h,i)perylene
Concen: 3.269 ng/ul
RT: 26.41 min Scan# 6402
Delta R.T. 0.00 min
Lab File: BN006150.D
Acq: 07 Jun 2019 00:38

Instrument :
BNA_N
ClientSampleId :
C0AC1

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	24.2	36.4
277	24.2	21.5	32.3

Manual Integrations
APPROVED

mohammad
6/11/2019 5:07:39 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

