

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN006989.D
 Acq On : 07 Aug 2019 16:10
 Operator : HP/JU
 Sample : K3893-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEP00

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:14:36 AM

Quant Time: Aug 07 18:16:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	6422	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	26034	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	15916	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	40383m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	31561m	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	25140m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	9066	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	27501m	0.21	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.28	128	5390	0.072	ng/ul#	95
5) 2-Methylnaphthalene	11.91	142	2676	0.048	ng/ul	99
7) Acenaphthylene	13.83	152	12867	0.140	ng/ul	98
8) Acenaphthene	14.18	153	9118	0.144	ng/ul	99
9) Fluorene	15.17	166	11271	0.147	ng/ul	99
12) Phenanthrene	16.90	178	300470m	2.335	ng/ul	
13) Anthracene	16.99	178	47586m	0.361	ng/ul	
15) Fluoranthene	18.93	202	925392m	5.785	ng/ul	
17) Pyrene	19.30	202	773335	5.488	ng/ul	99
18) Benzo(a)anthracene	21.06	228	374071m	2.698	ng/ul	
19) Chrysene	21.11	228	434340	3.345	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	553132m	5.427	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	189722m	1.920	ng/ul	
23) Benzo(a)pyrene	23.12	252	320311m	3.338	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.30	276	232940	2.252	ng/ul	94
25) Dibenzo(a,h)anthracene	25.32	278	54735m	0.663	ng/ul	
26) Benzo(g,h,i)perylene	25.94	276	203026	2.340	ng/ul	98

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

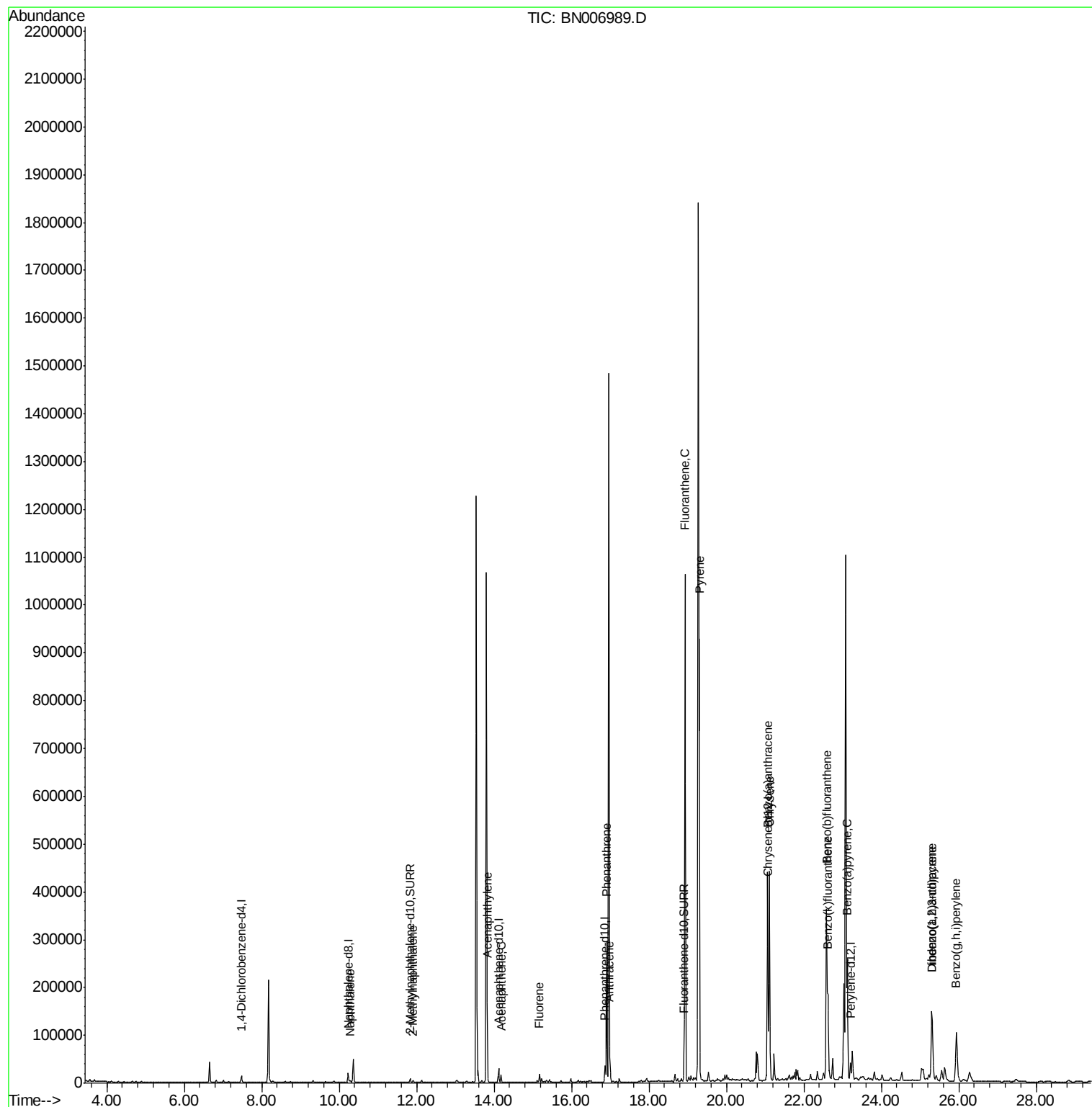
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006989.D
Acq On : 07 Aug 2019 16:10
Operator : HP/JU
Sample : K3893-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

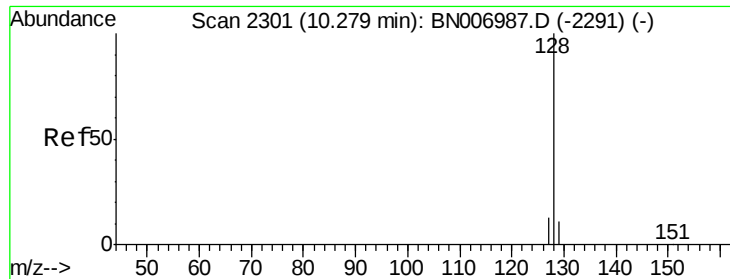
Instrument :
BNA_N
ClientSampleId :
BEP00

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM

Quant Time: Aug 07 18:16:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.072 ng/ul

RT: 10.28 min Scan# 2301

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

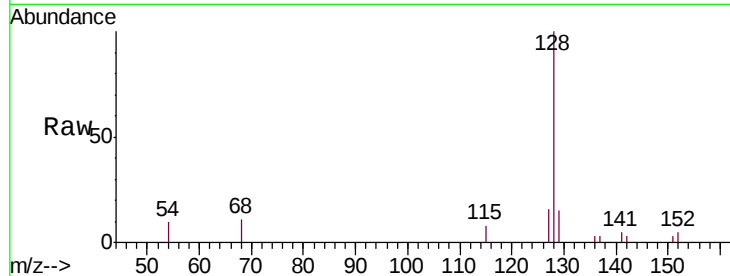
ClientSampleId :

BEP00

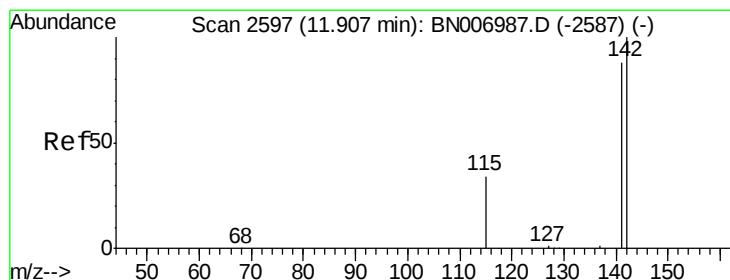
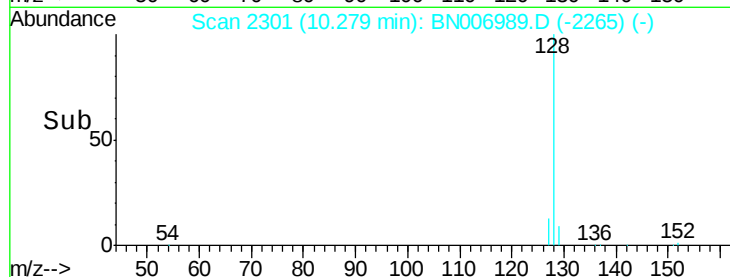
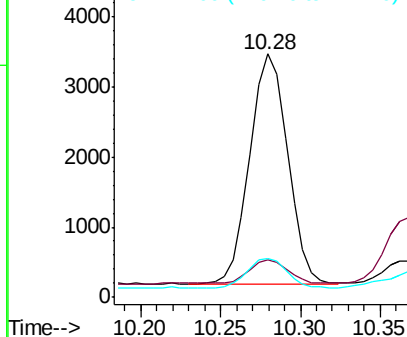
Tgt Ion:	128	Resp:	5390
Ion Ratio		Lower	Upper
128	100		
129	15.3	10.0	15.0#
127	16.1	11.7	17.5

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 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: 0.048 ng/ul

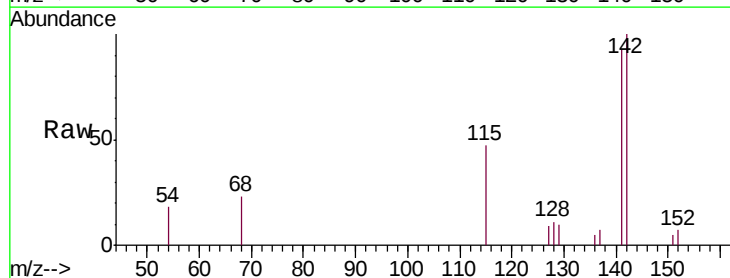
RT: 11.91 min Scan# 2597

Delta R.T. 0.00 min

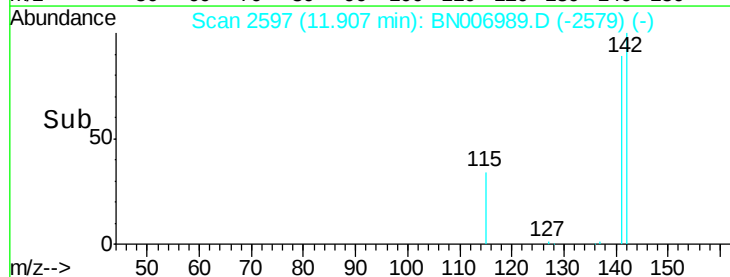
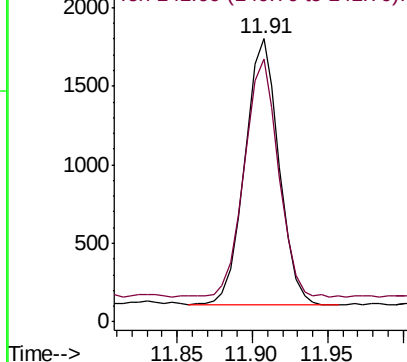
Lab File: BN006989.D

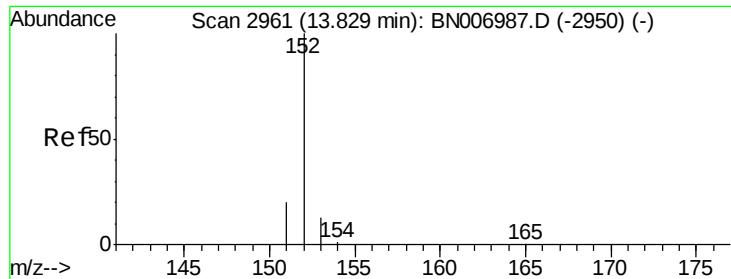
Acq: 07 Aug 2019 16:10

Tgt Ion:	142	Resp:	2676
Ion Ratio		Lower	Upper
142	100		
141	89.8	71.0	106.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.140 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

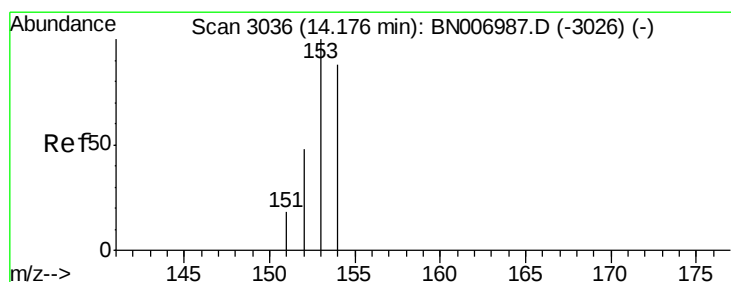
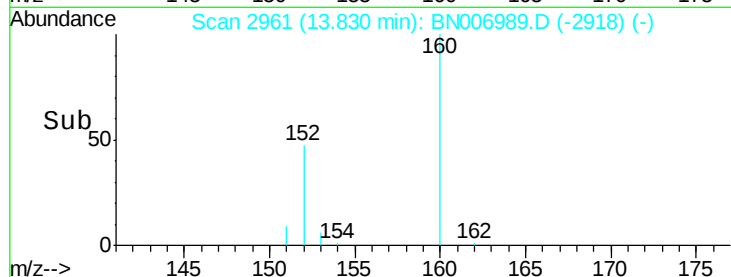
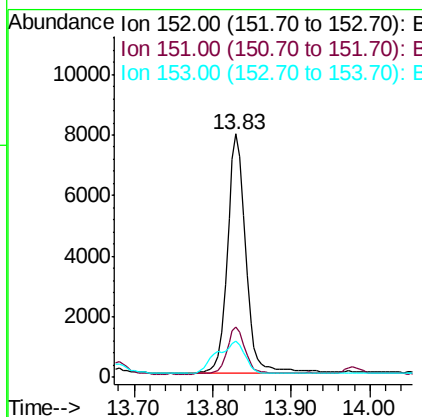
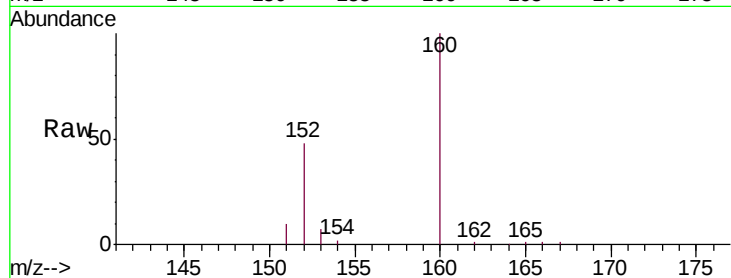
ClientSampled :

BEP00

Tgt Ion:	152	Resp:	12867
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	14.9	11.0	16.4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



#8

Acenaphthene

Concen: 0.144 ng/ul

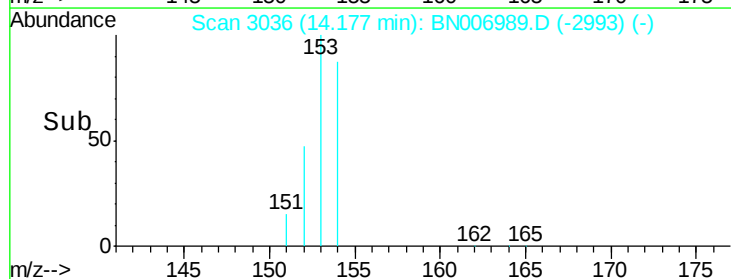
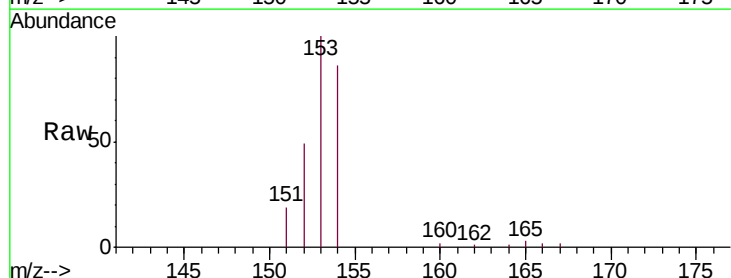
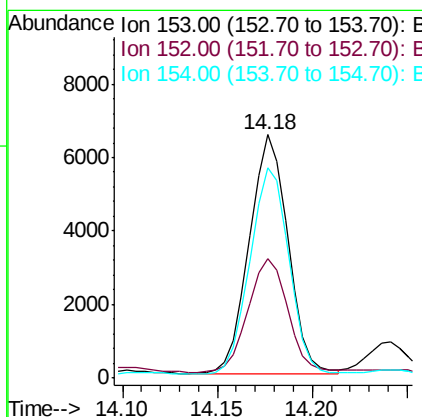
RT: 14.18 min Scan# 3036

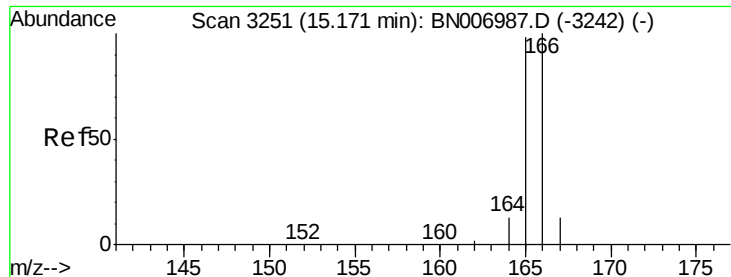
Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Tgt Ion:	153	Resp:	9118
Ion Ratio	Lower	Upper	
153	100		
152	48.9	39.4	59.2
154	86.5	70.1	105.1





#9

Fluorene

Concen: 0.147 ng/ul

RT: 15.17 min Scan# 3251

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

ClientSampleId :

BEP00

Tgt Ion:166 Resp: 11271

Ion Ratio Lower Upper

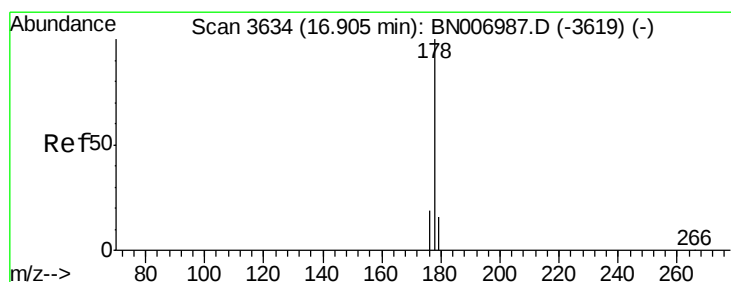
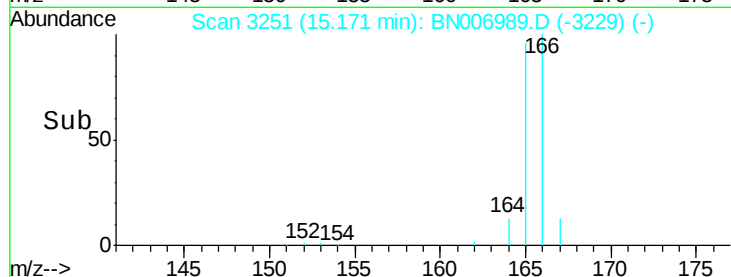
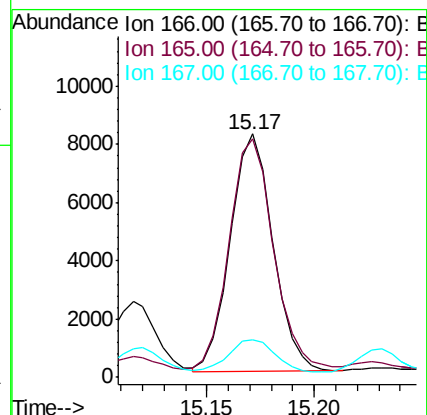
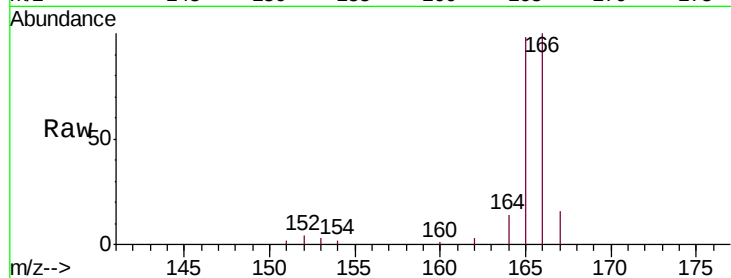
166 100

165 97.8 78.8 118.2

167 15.6 11.3 16.9

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



#12

Phenanthrene

Concen: 2.335 ng/ul m

RT: 16.90 min Scan# 3634

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

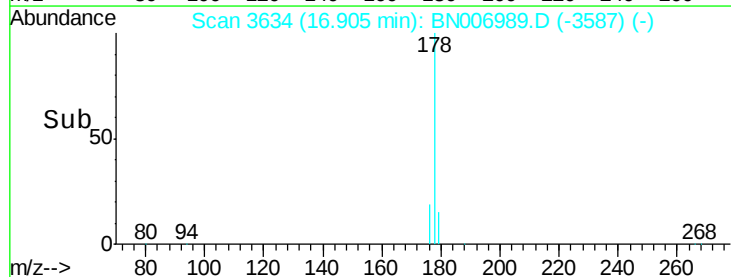
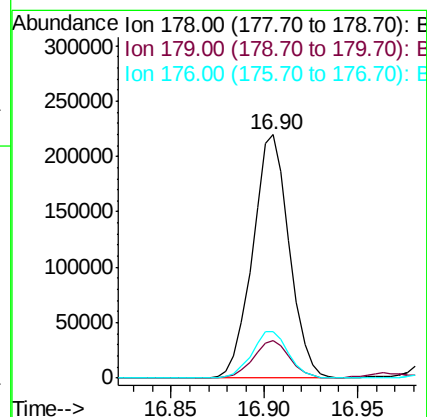
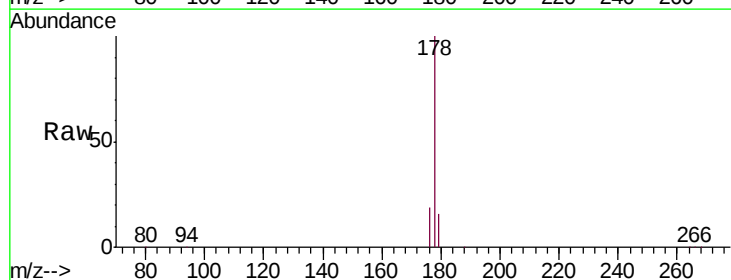
Tgt Ion:178 Resp: 300470

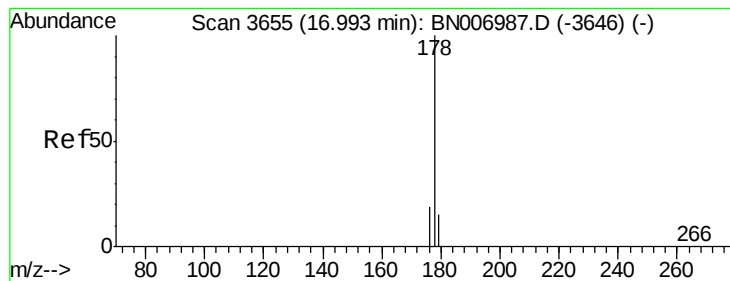
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 19.2 15.6 23.4





#13

Anthracene

Concen: 0.361 ng/ul m

RT: 16.99 min Scan# 3655

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

ClientSampled :

BEP00

Tgt Ion:178 Resp: 47586

Ion Ratio Lower Upper

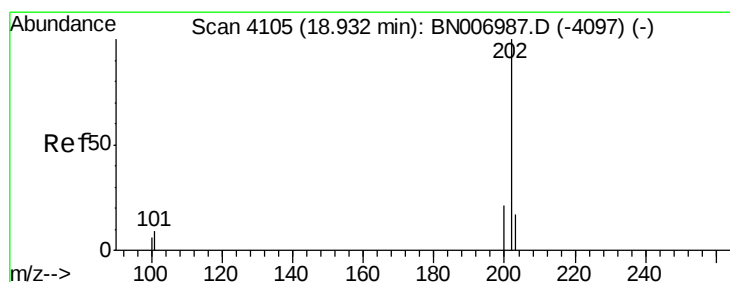
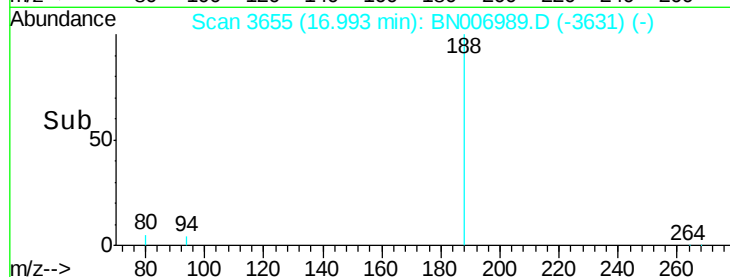
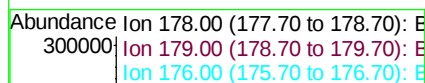
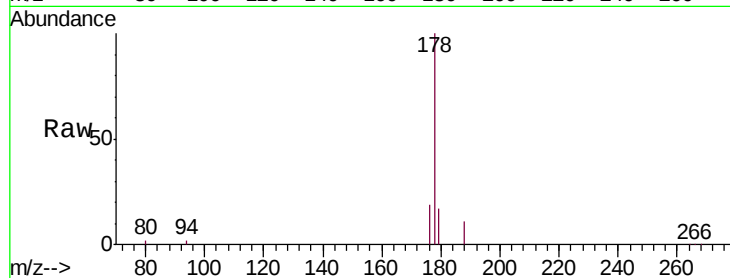
178 100

179 16.6 12.6 18.8

176 19.1 15.4 23.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



#15

Fluoranthene

Concen: 5.785 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

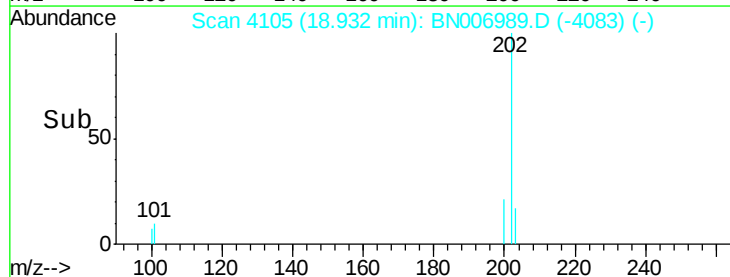
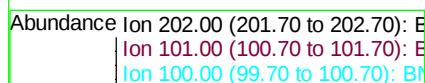
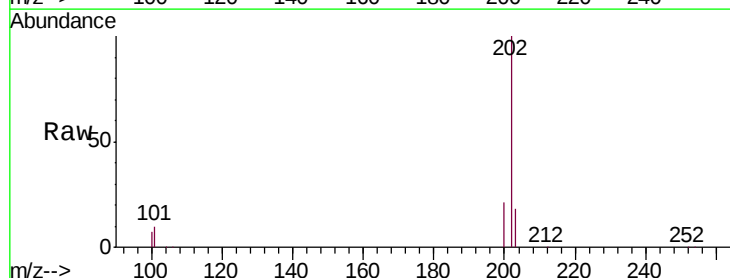
Tgt Ion:202 Resp: 925392

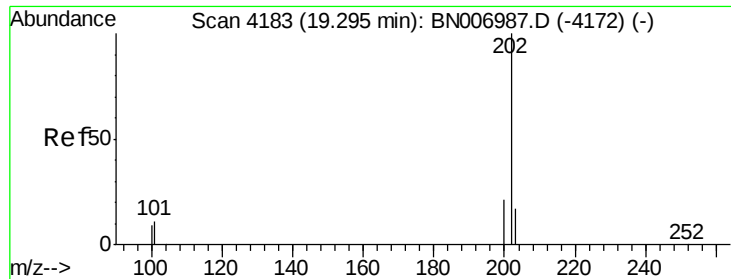
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.0

100 7.4 0.0 27.7





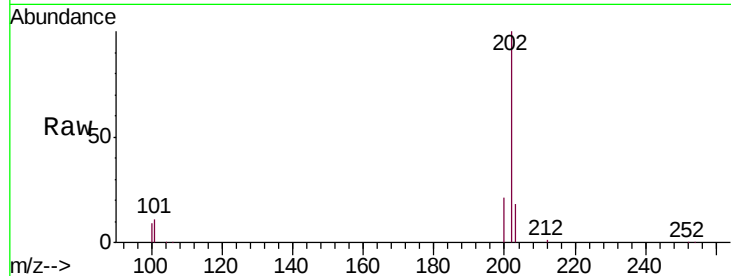
#17
Pyrene
Concen: 5.488 ng/ul
RT: 19.30 min Scan# 4184
Delta R.T. 0.00 min
Lab File: BN006989.D
Acq: 07 Aug 2019 16:10

Instrument :
BNA_N
ClientSampleId :
BEP00

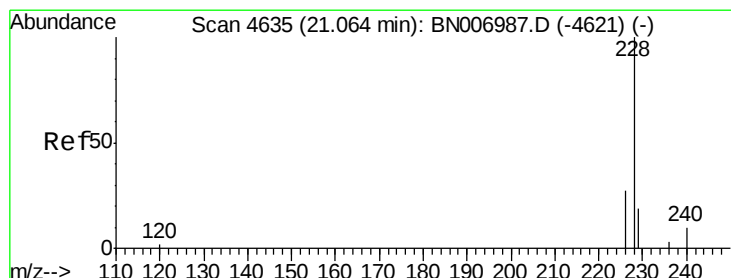
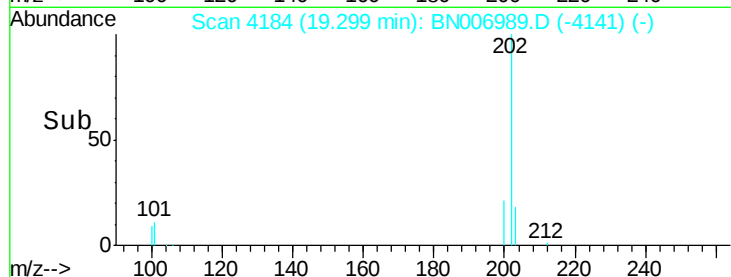
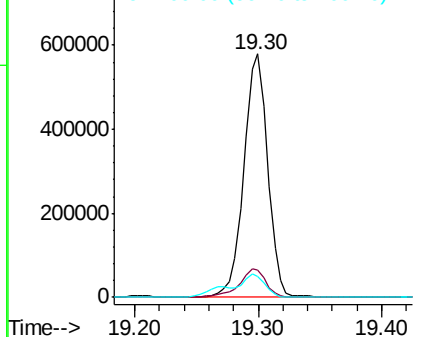
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.2	9.3	13.9
100	8.8	7.3	10.9

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



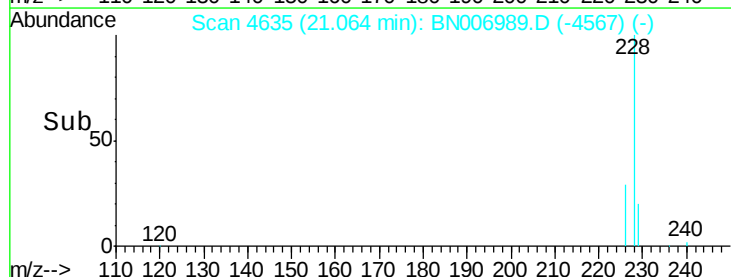
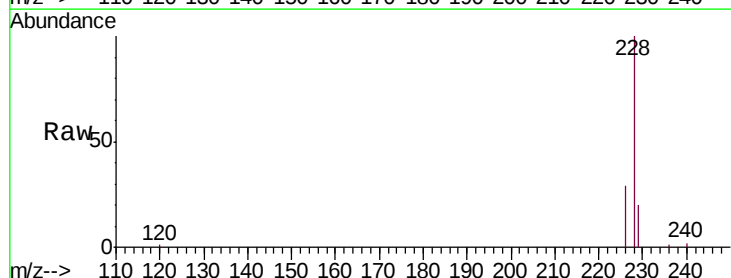
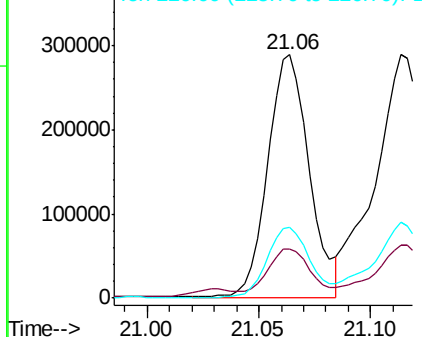
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): E

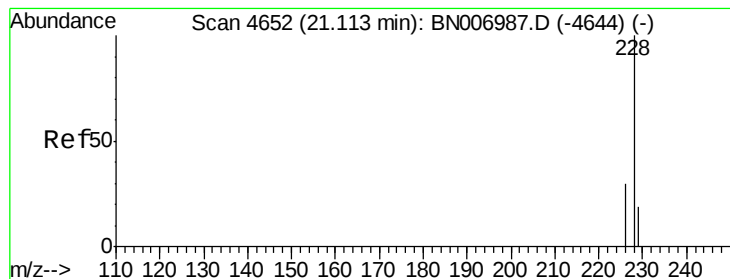


#18
Benzo(a)anthracene
Concen: 2.698 ng/ul m
RT: 21.06 min Scan# 4635
Delta R.T. 0.00 min
Lab File: BN006989.D
Acq: 07 Aug 2019 16:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.3	15.9	23.9
226	29.4	22.2	33.4

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: 3.345 ng/ul

RT: 21.11 min Scan# 4652

Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

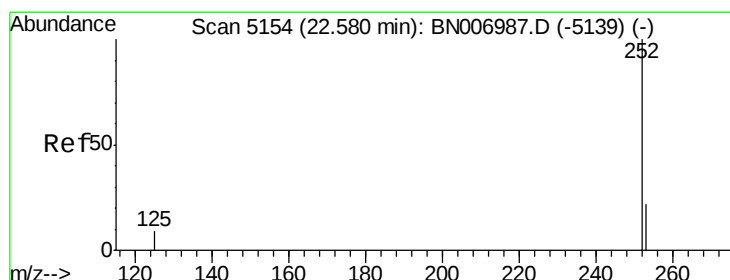
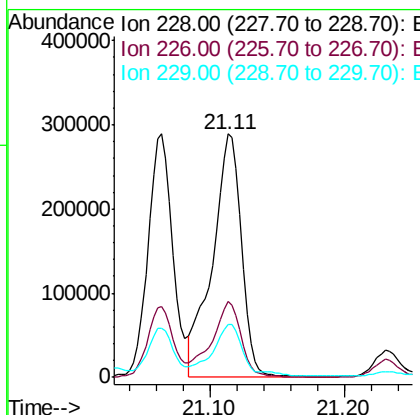
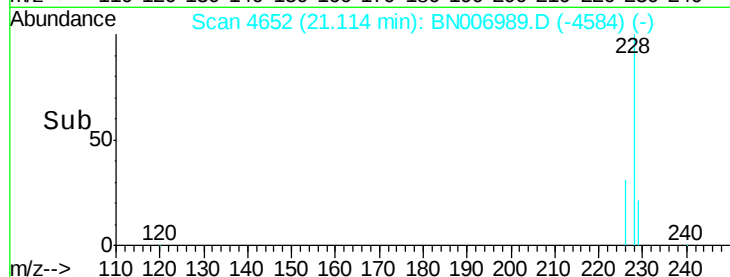
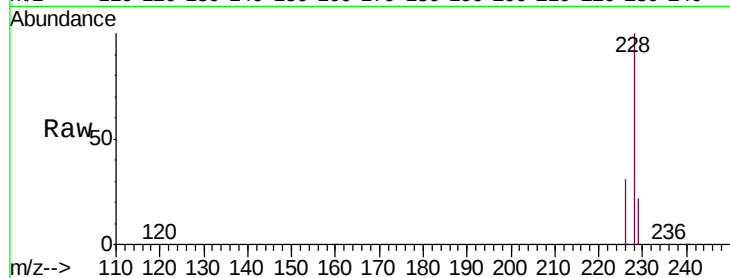
ClientSampleId :

BEP00

Tgt Ion:	228	Resp:	434340
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.7	37.1
229	21.6	15.5	23.3

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



#21

Benzo(b)fluoranthene

Concen: 5.427 ng/ul m

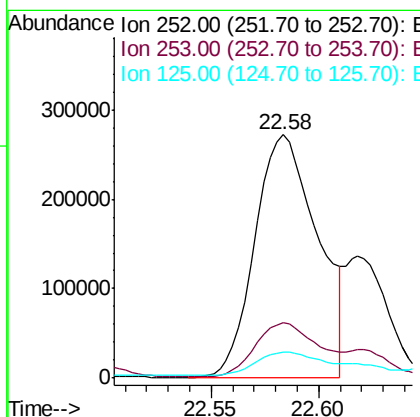
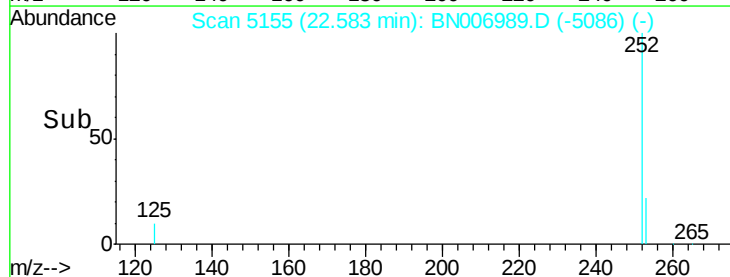
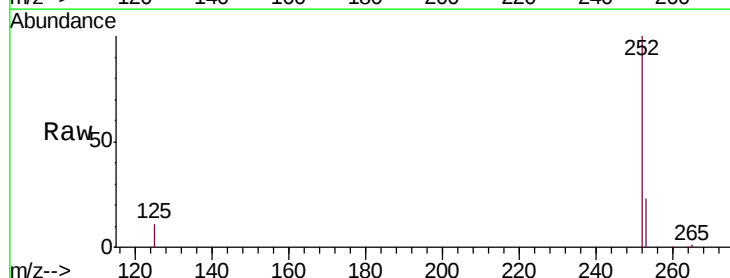
RT: 22.58 min Scan# 5155

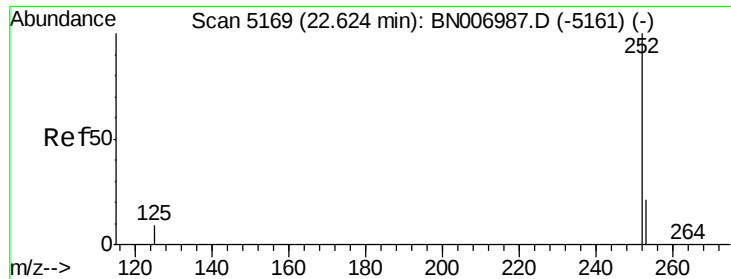
Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Tgt Ion:	252	Resp:	553132
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	45.2
125	10.7	0.0	22.2





#22

Benzo(k)fluoranthene

Concen: 1.920 ng/ul m

RT: 22.62 min Scan# 5167

Delta R.T. -0.01 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Instrument :

BNA_N

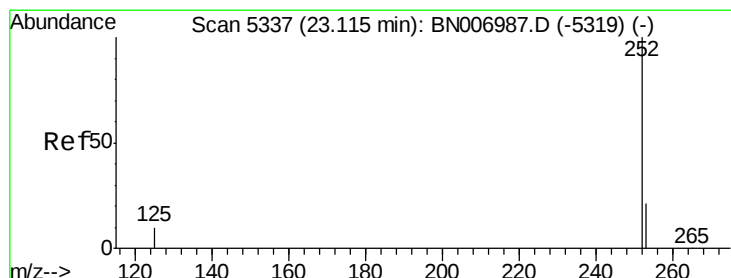
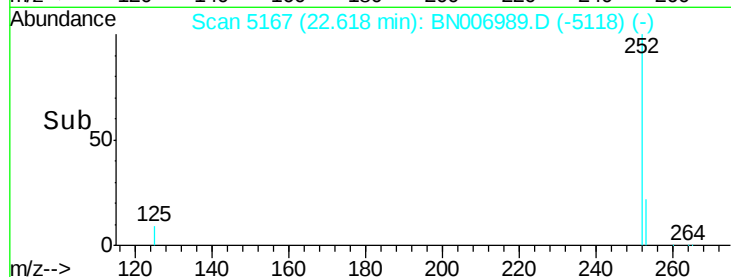
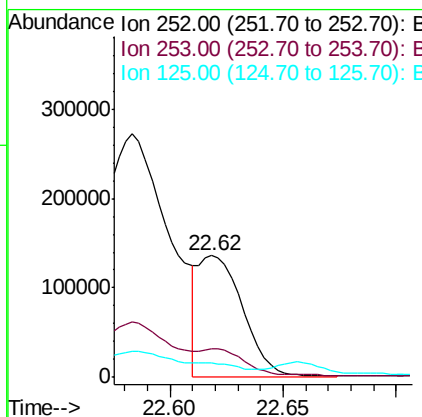
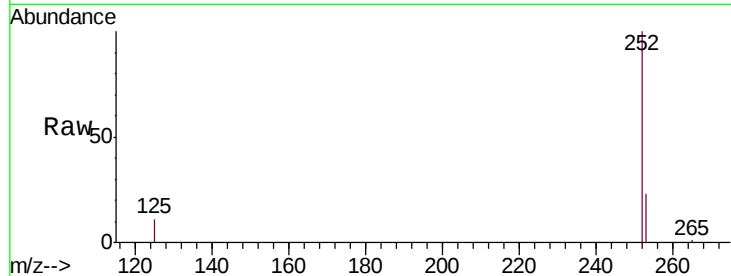
ClientSampleId :

BEP00

Tgt Ion:	252	Resp:	189722
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.6	28.0
125	11.4	8.7	13.1

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



#23

Benzo(a)pyrene

Concen: 3.338 ng/ul m

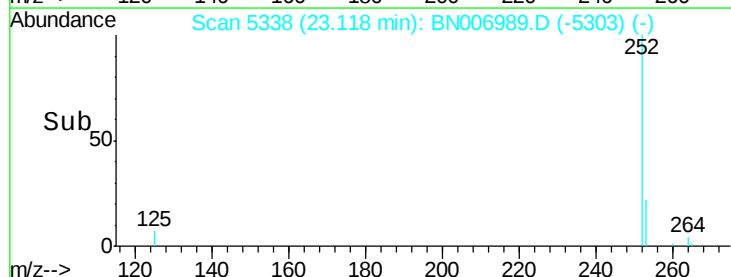
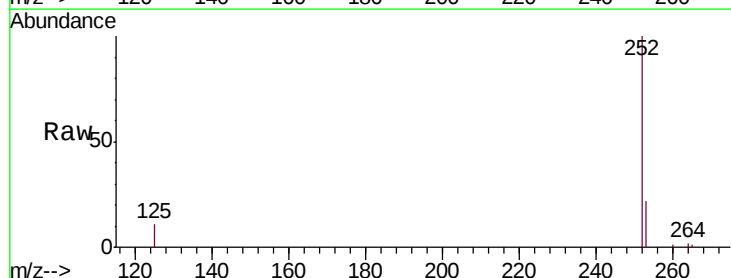
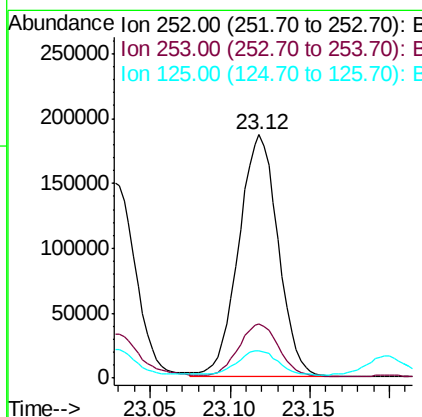
RT: 23.12 min Scan# 5338

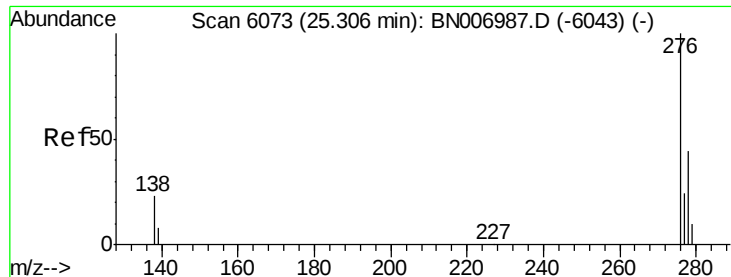
Delta R.T. 0.00 min

Lab File: BN006989.D

Acq: 07 Aug 2019 16:10

Tgt Ion:	252	Resp:	320311
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.0	27.0
125	11.4	10.0	15.0





#24

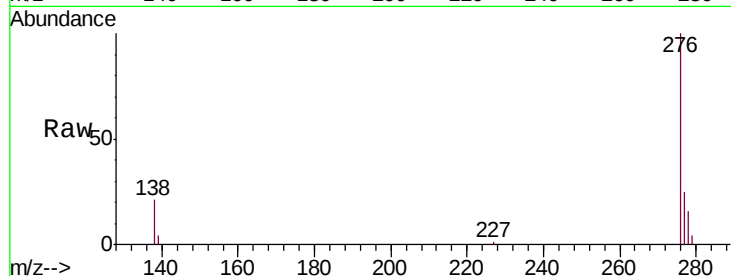
Indeno(1,2,3-cd)pyrene
Concen: 2.252 ng/ul
RT: 25.30 min Scan# 6072
Delta R.T. -0.00 min
Lab File: BN006989.D
Acq: 07 Aug 2019 16:10

Instrument :
BNA_N
ClientSampleId :
BEP00

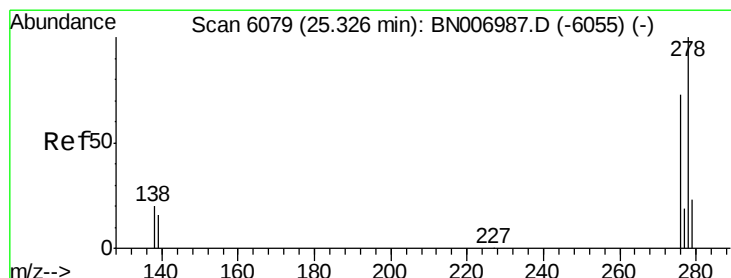
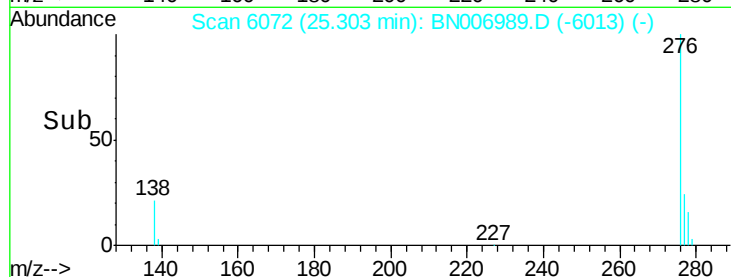
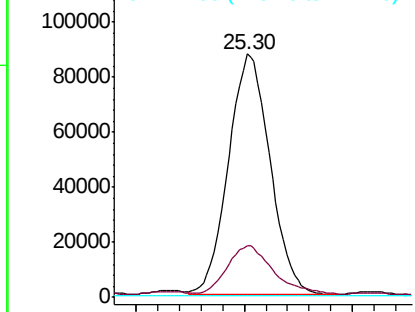
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
227	0.3	0.2	0.4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:14:36 AM



Abundance Ion 276.00 (275.70 to 276.70): E
120000
Ion 138.00 (137.70 to 138.70): E
100000
Ion 227.00 (226.70 to 227.70): E

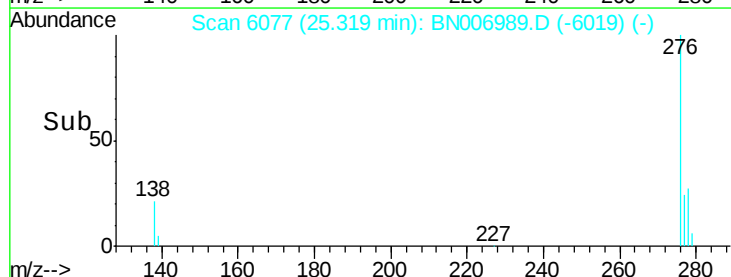
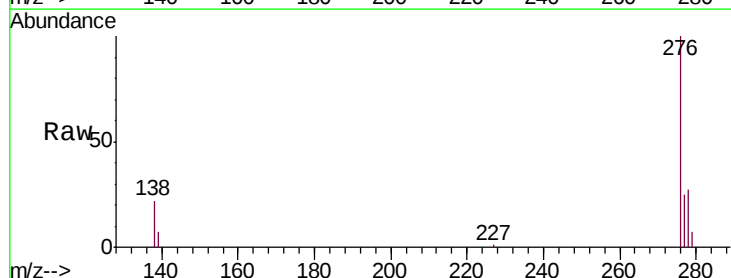
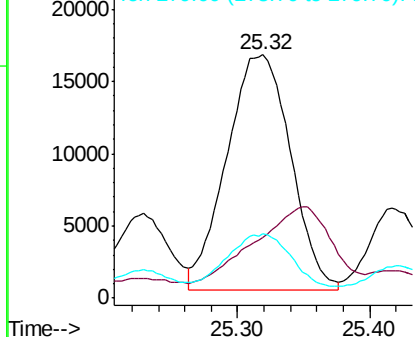


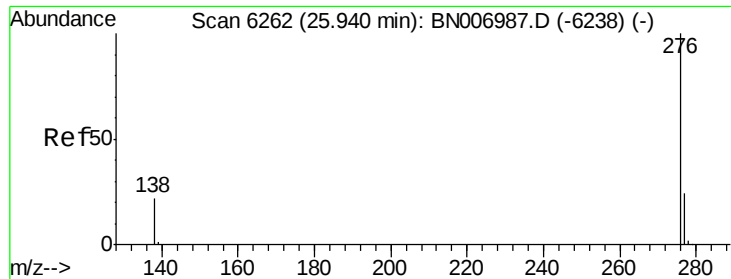
#25

Dibenzo(a,h)anthracene
Concen: 0.663 ng/ul m
RT: 25.32 min Scan# 6077
Delta R.T. -0.01 min
Lab File: BN006989.D
Acq: 07 Aug 2019 16:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.6	14.3	21.5#
279	26.3	19.6	29.4

Abundance Ion 278.00 (277.70 to 278.70): E
20000
Ion 139.00 (138.70 to 139.70): E
15000
Ion 279.00 (278.70 to 279.70): E





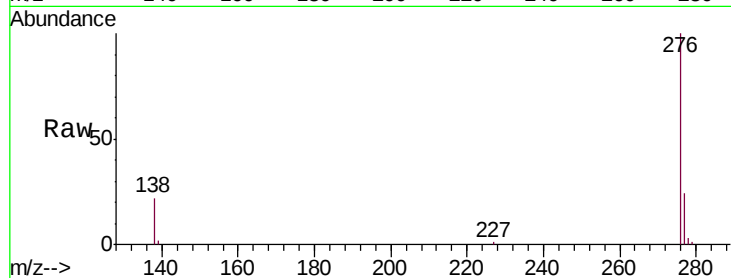
#26
 Benzo(g,h,i)perylene
 Concen: 2.340 ng/ul
 RT: 25.94 min Scan# 6261
 Delta R.T. 0.00 min
 Lab File: BN006989.D
 Acq: 07 Aug 2019 16:10

Instrument :
 BNA_N
 ClientSampleId :
 BEP00

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	22.2	18.7	28.1	
277	23.8	19.3	28.9	

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:14:36 AM



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

