

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008310.D
 Acq On : 22 Oct 2019 11:51
 Operator : JU
 Sample : K5199-19DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPG9DL

Manual Integrations
 APPROVED

mohammad
 10/23/2019 8:06:24 AM

Quant Time: Oct 22 13:46:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 22 13:04:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1698	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8285	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	5330	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11636	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11395	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10924	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	788	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2600	0.06	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	2094	0.089	ng/ul#	92
5) 2-Methylnaphthalene	12.03	142	877	0.054	ng/ul	98
7) Acenaphthylene	13.94	152	7696	0.303	ng/ul	99
8) Acenaphthene	14.28	153	1736	0.088	ng/ul	98
9) Fluorene	15.28	166	4032	0.180	ng/ul	98
12) Phenanthrene	17.01	178	89256	2.620	ng/ul	99
13) Anthracene	17.10	178	20170	0.673	ng/ul	100
15) Fluoranthene	19.04	202	192160	4.271	ng/ul	99
17) Pyrene	19.40	202	183350	4.041	ng/ul	98
18) Benzo(a)anthracene	21.16	228	107215	2.588	ng/ul	97
19) Chrysene	21.21	228	107764	2.120	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	116260m	3.269	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	40537m	1.006	ng/ul	
23) Benzo(a)pyrene	23.26	252	78923m	2.109	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.50	276	42166	0.957	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.50	278	11386	0.327	ng/ul	95
26) Benzo(a,h,i)perylene	26.16	276	34808	0.861	ng/ul	98

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

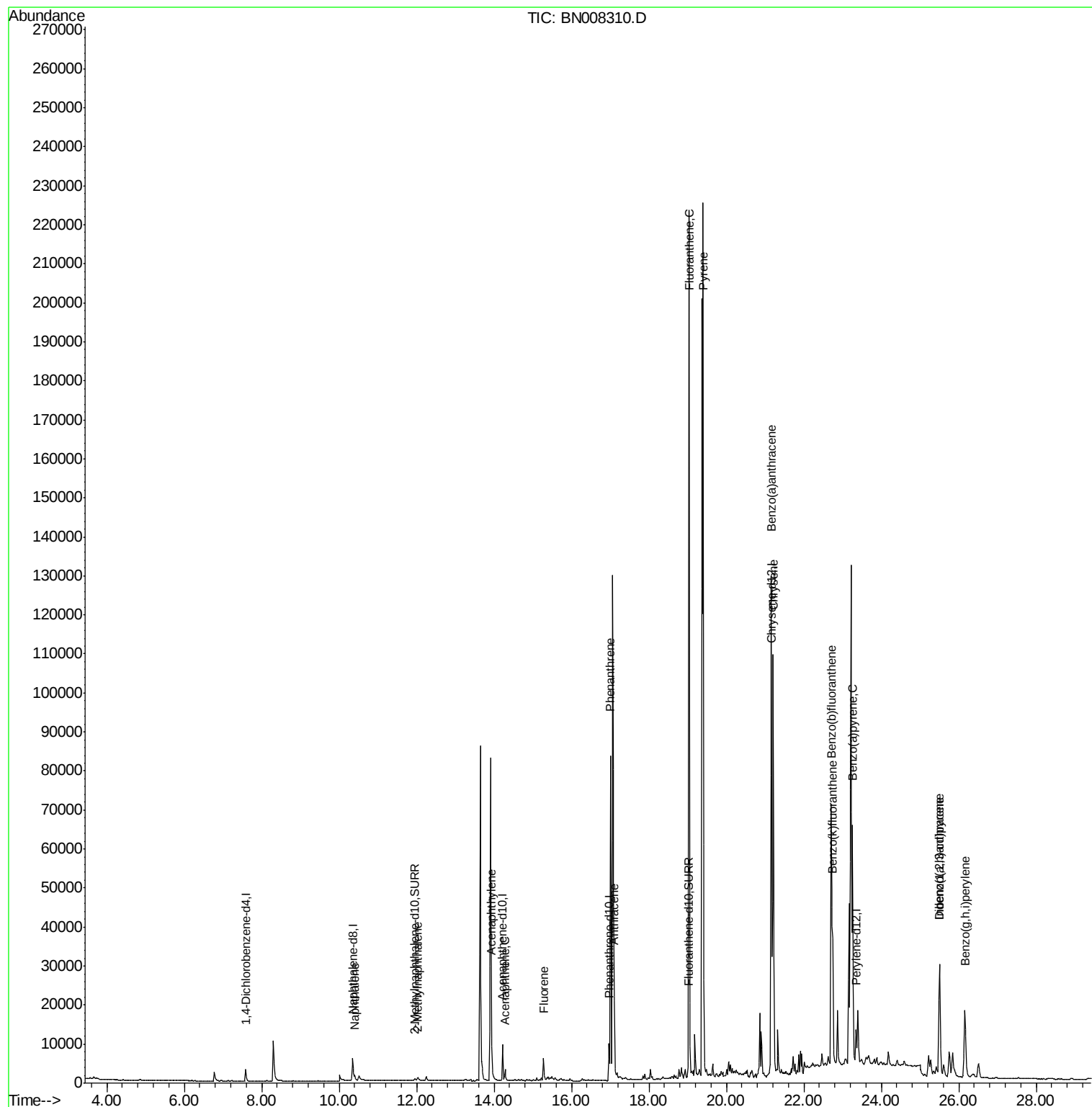
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
Data File : BN008310.D
Acq On : 22 Oct 2019 11:51
Operator : JU
Sample : K5199-19DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

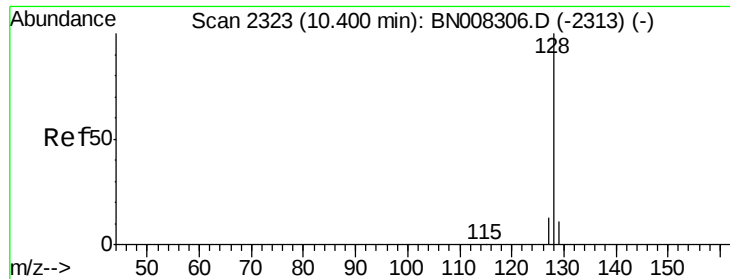
Instrument :
BNA_N
ClientSampleId :
BEPG9DL

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM

Quant Time: Oct 22 13:46:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 22 13:04:25 2019
Response via : Initial Calibration





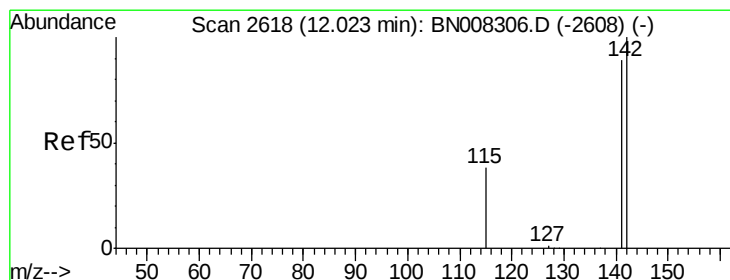
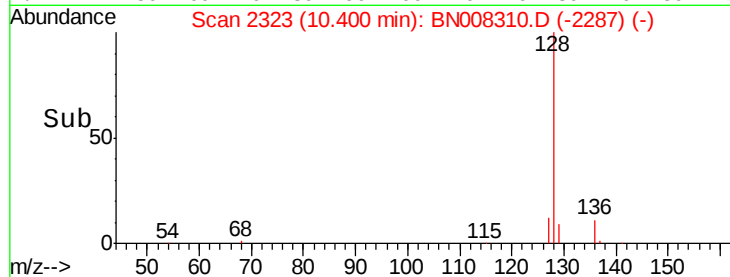
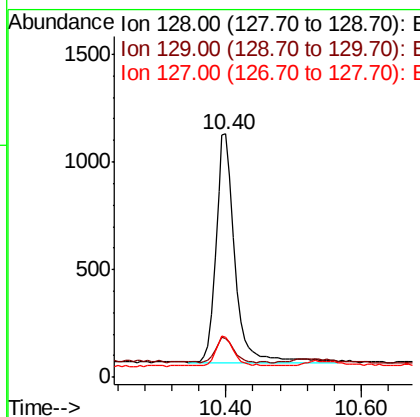
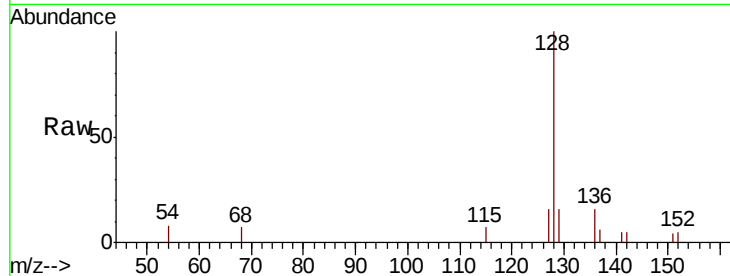
#3
Naphthalene
Concen: 0.089 ng/ul
RT: 10.40 min Scan# 2323
Delta R.T. 0.00 min
Lab File: BN008310.D
Acq: 22 Oct 2019 11:51

Instrument :
BNA_N
ClientSampleId :
BEPG9DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.8	14.8#
127	16.4	11.1	16.7

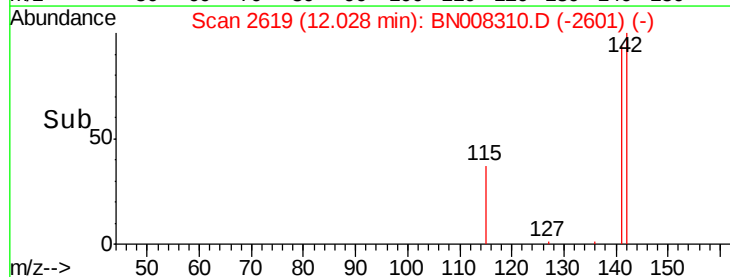
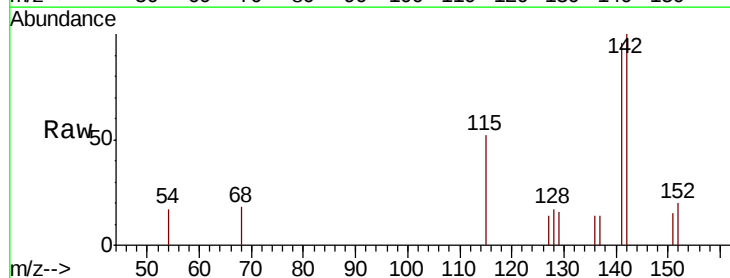
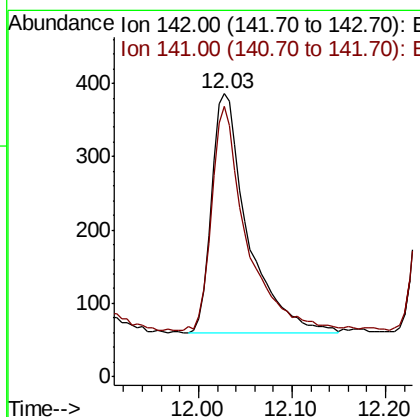
Manual Integrations
APPROVED

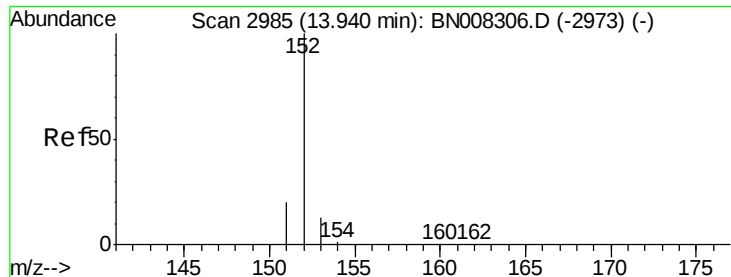
mohammad
10/23/2019 8:06:24 AM



#5
2-Methylnaphthalene
Concen: 0.054 ng/ul
RT: 12.03 min Scan# 2619
Delta R.T. 0.00 min
Lab File: BN008310.D
Acq: 22 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.4	107.2





#7

Acenaphthylene

Concen: 0.303 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Instrument :

BNA_N

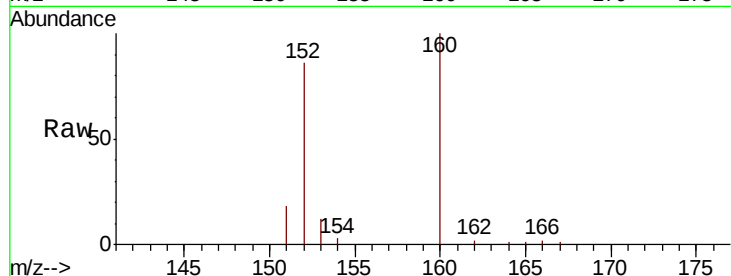
ClientSampleId :

BEPG9DL

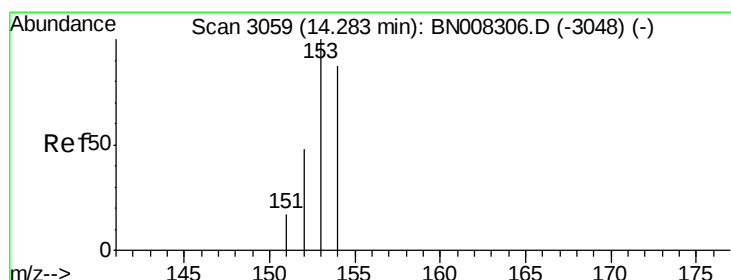
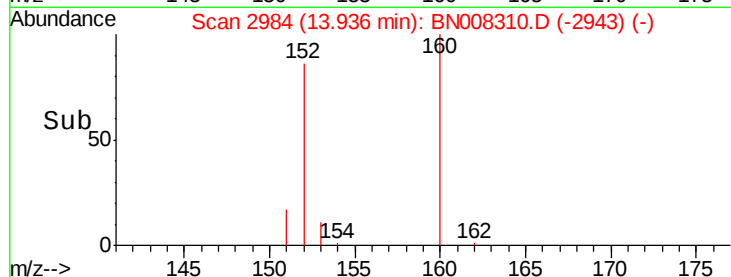
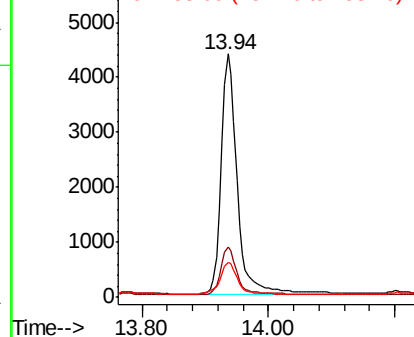
Tot Ion:	152	Resp:	7696
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.2	24.4
153	14.5	11.0	16.4

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.088 ng/ul

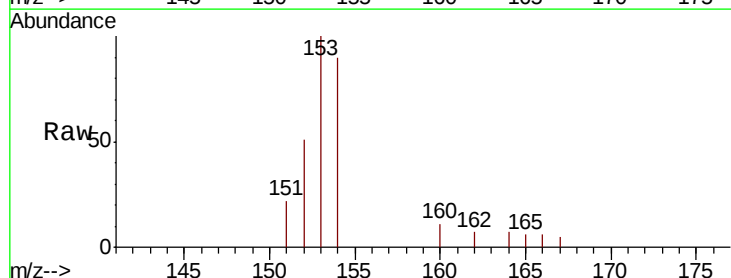
RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

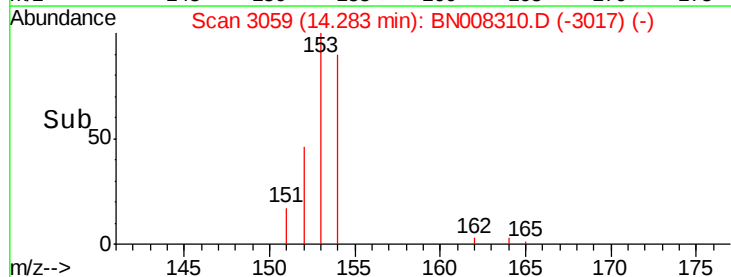
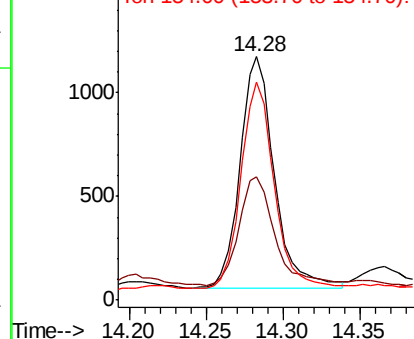
Lab File: BN008310.D

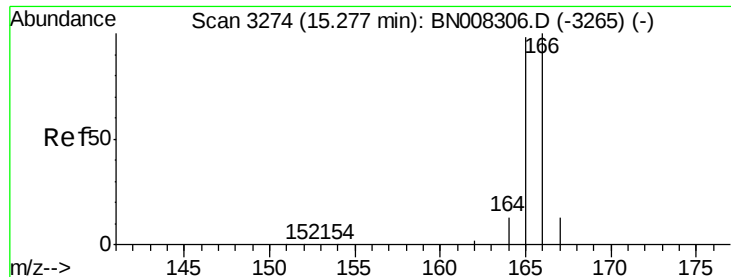
Acq: 22 Oct 2019 11:51

Tgt Ion:	153	Resp:	1736
Ion Ratio	Lower	Upper	
153	100		
152	50.9	38.2	57.2
154	89.8	71.8	107.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.180 ng/ul

RT: 15.28 min Scan# 3274

Delta R.T. -0.00 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Instrument :

BNA_N

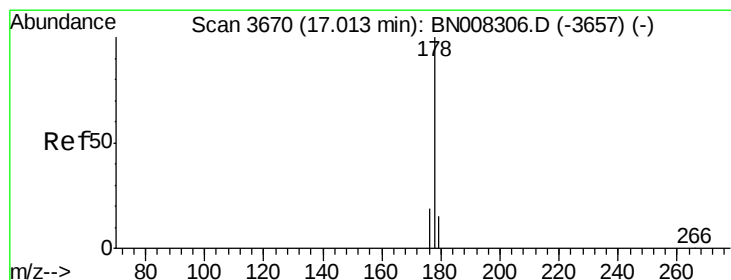
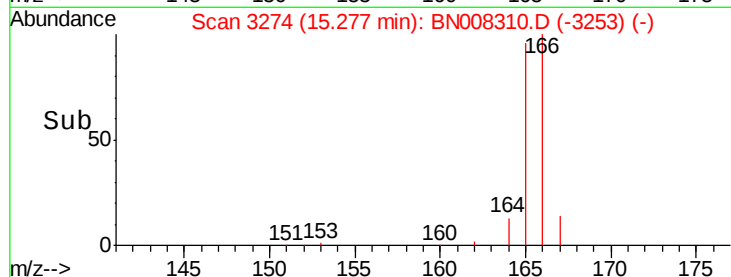
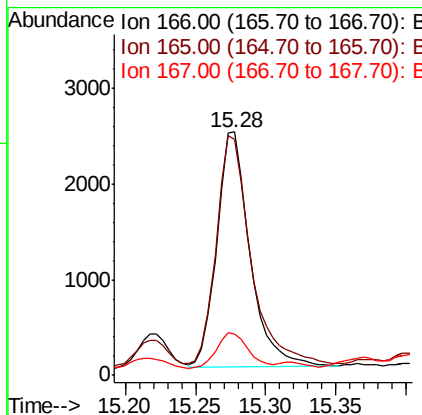
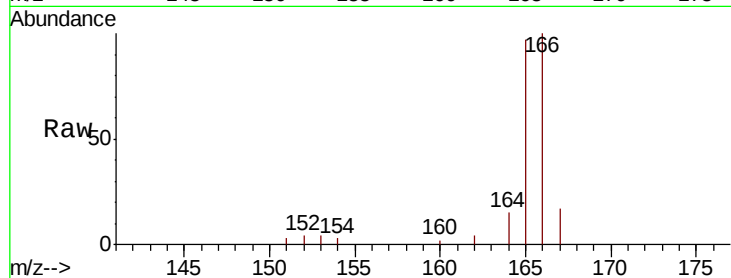
ClientSampleId :

BEPG9DL

Tot Ion:	166	Resp:	4032
Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.6	115.0
167	17.1	11.7	17.5

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM



#12

Phenanthrene

Concen: 2.620 ng/ul

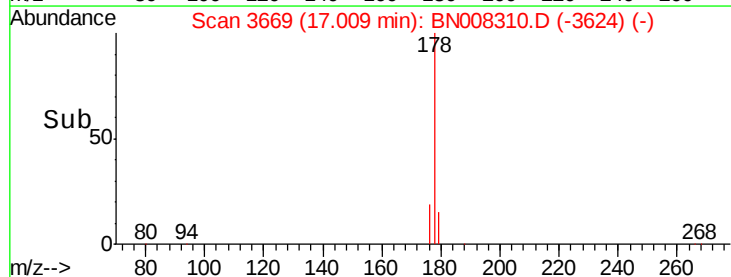
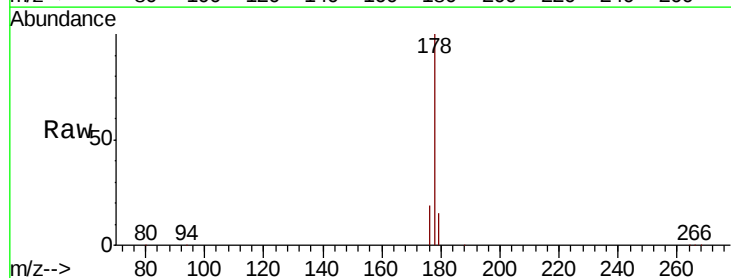
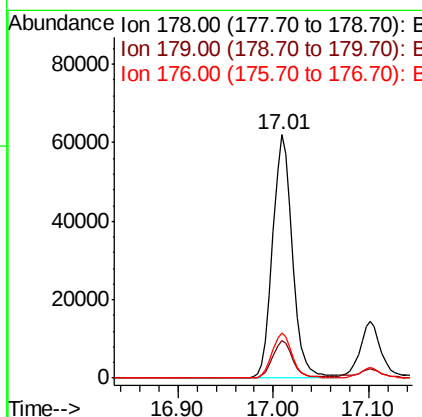
RT: 17.01 min Scan# 3669

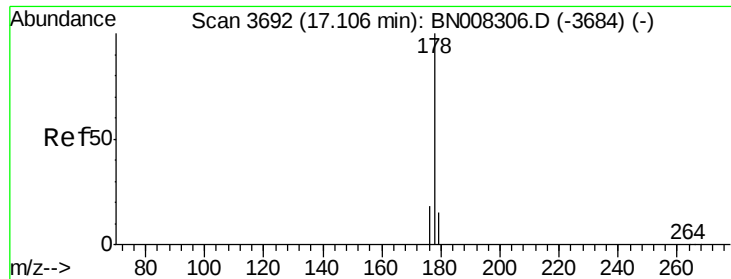
Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Tgt Ion:	178	Resp:	89256
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.8	19.2
176	18.7	15.4	23.2





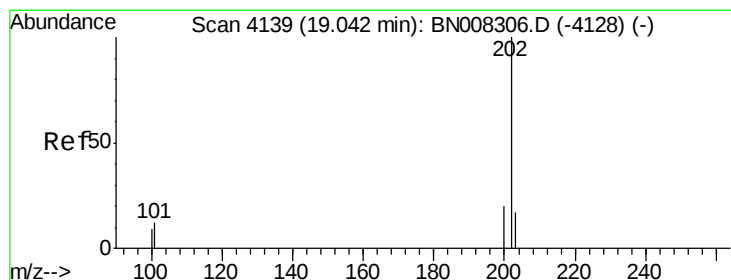
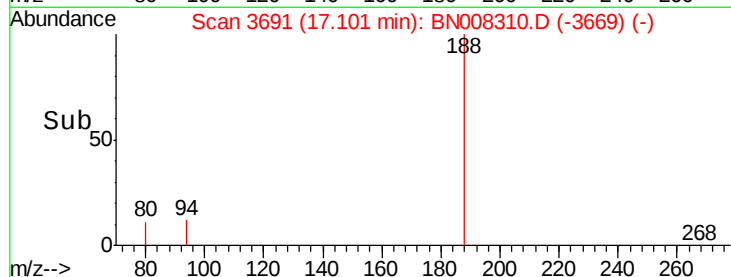
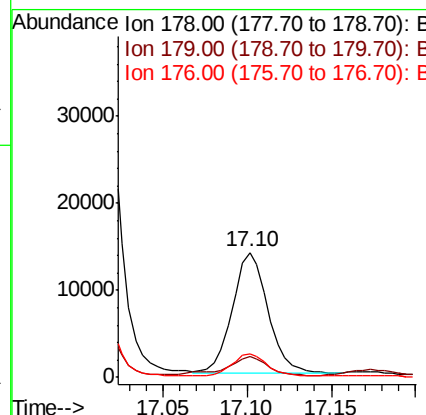
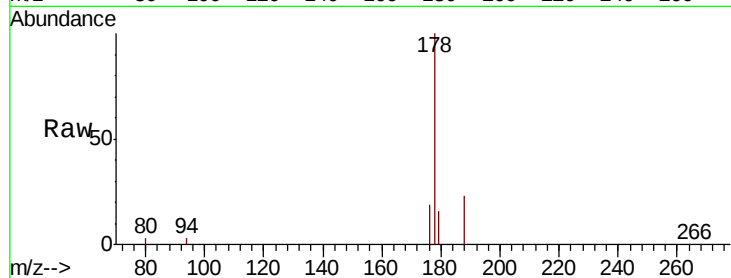
#13
 Anthracene
 Concen: 0.673 ng/ul
 RT: 17.10 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BN008310.D
 Acq: 22 Oct 2019 11:51

Instrument :
 BNA_N
 ClientSampleId :
 BEPG9DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.0	19.6
176	18.6	15.0	22.6

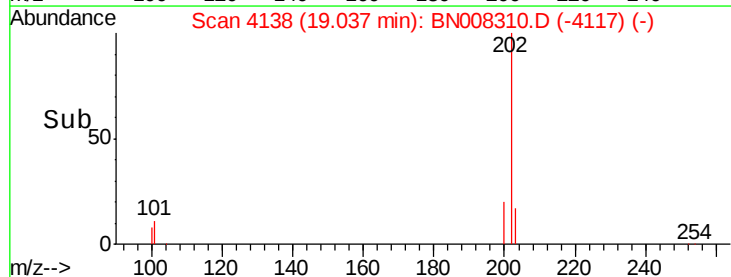
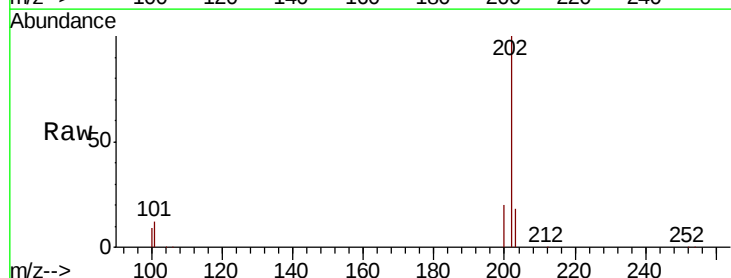
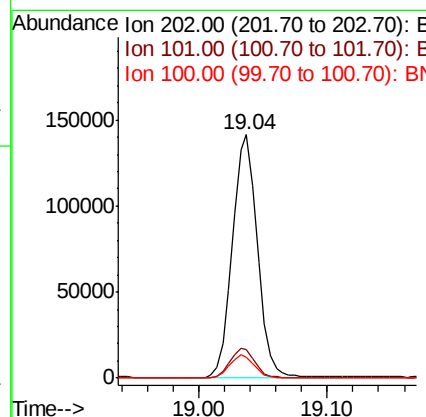
Manual Integrations
 APPROVED

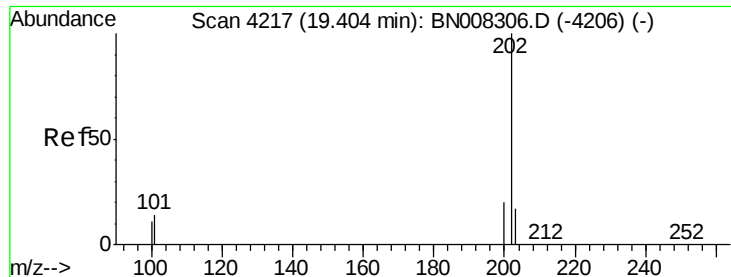
mohammad
 10/23/2019 8:06:24 AM



#15
 Fluoranthene
 Concen: 4.271 ng/ul
 RT: 19.04 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BN008310.D
 Acq: 22 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.2
100	8.6	0.0	28.5





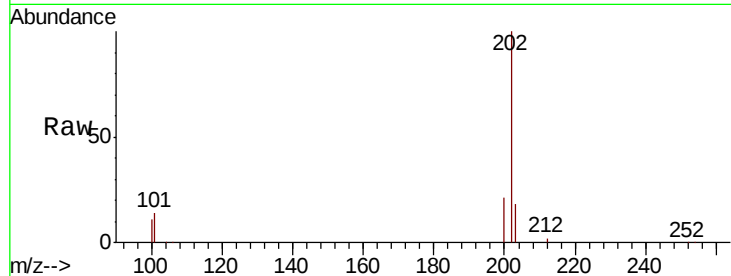
#17
Pvrene
Concen: 4.041 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008310.D
Acq: 22 Oct 2019 11:51

Instrument :
BNA_N
ClientSampleId :
BEPG9DL

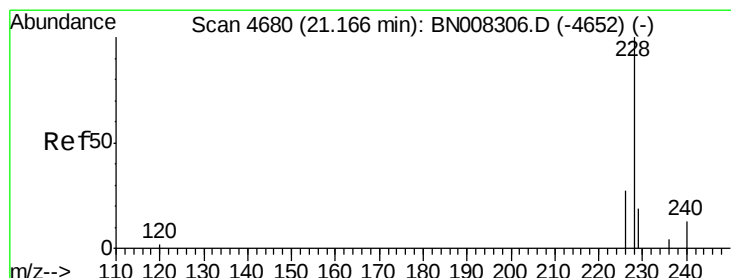
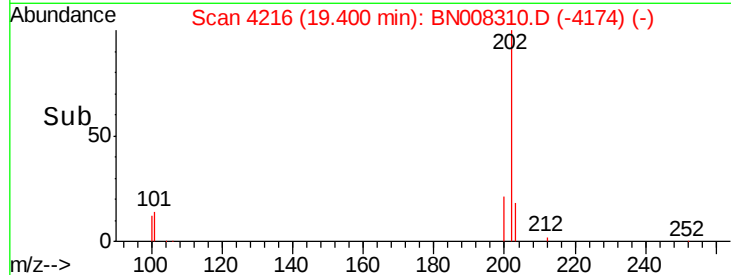
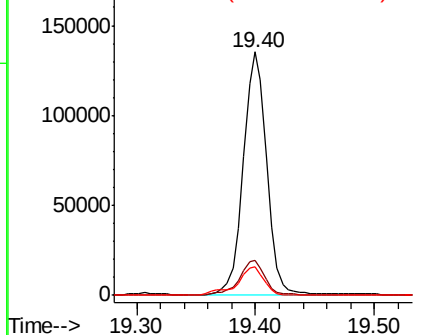
Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.2	10.9	16.3
100	11.5	8.7	13.1

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM



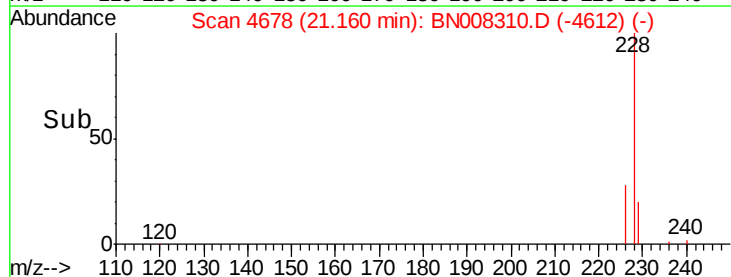
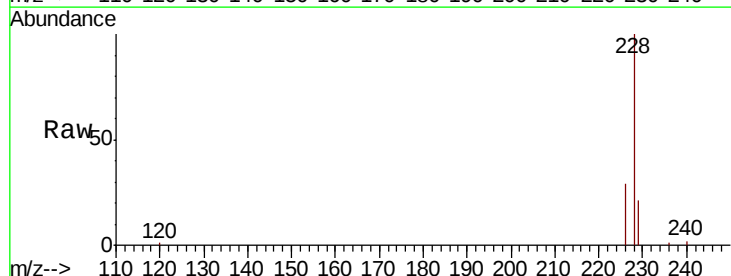
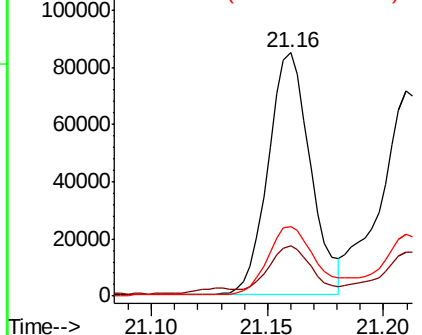
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

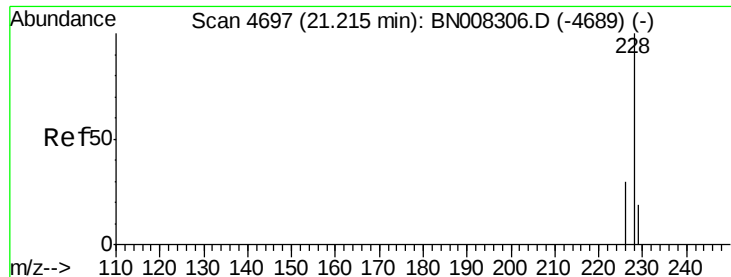


#18
Benzo(a)anthracene
Concen: 2.588 ng/ul
RT: 21.16 min Scan# 4678
Delta R.T. -0.01 min
Lab File: BN008310.D
Acq: 22 Oct 2019 11:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.6	16.2	24.2
226	28.6	21.4	32.0

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: 2.120 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Instrument :

BNA_N

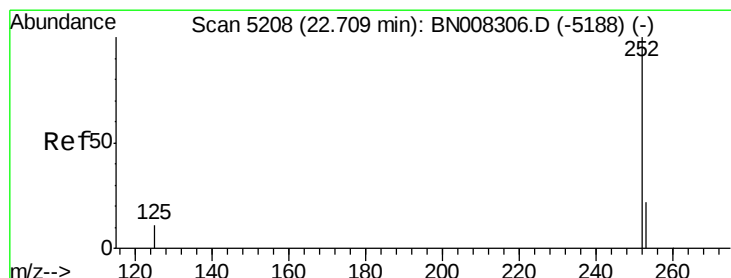
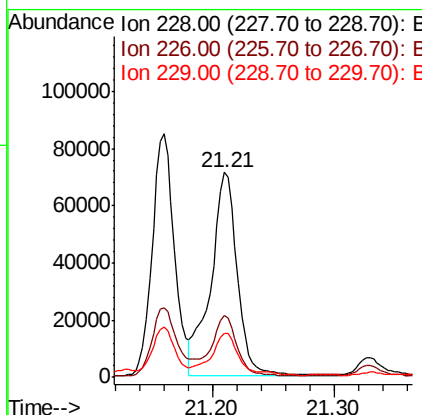
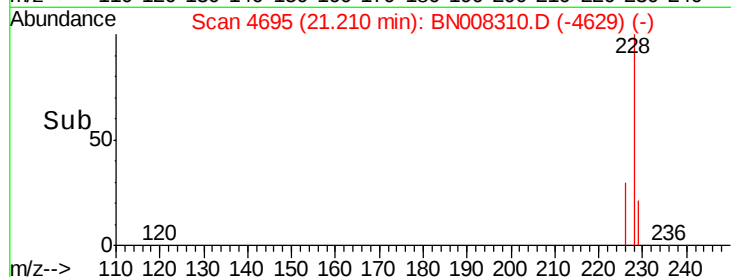
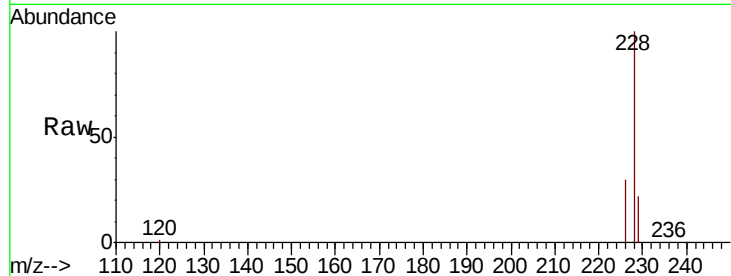
ClientSampleID :

BEPG9DL

Tot Ion:	228	Resp:	107764
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	21.6	16.2	24.2

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM



#21

Benzo(b)fluoranthene

Concen: 3.269 ng/ul m

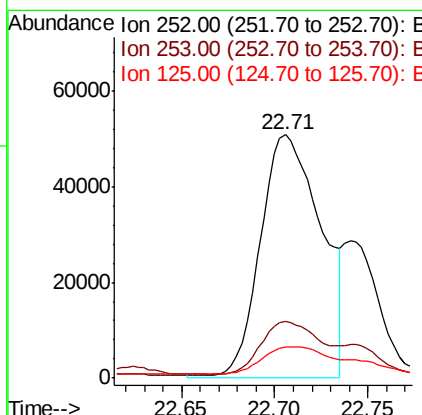
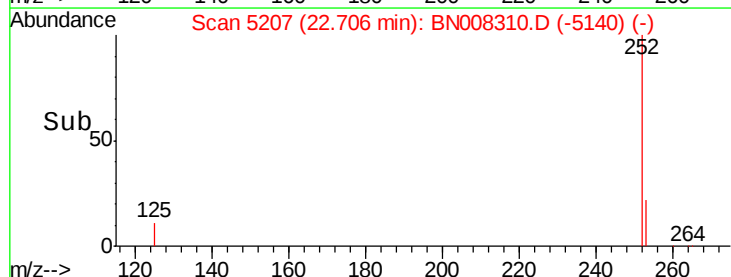
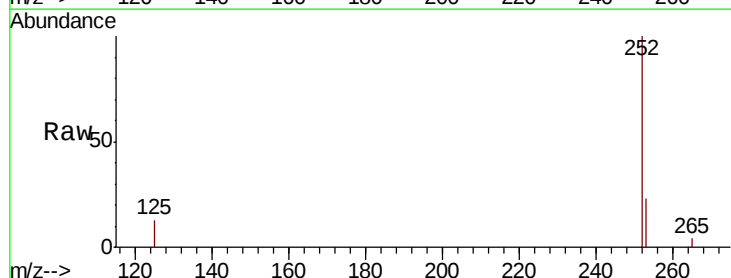
RT: 22.71 min Scan# 5207

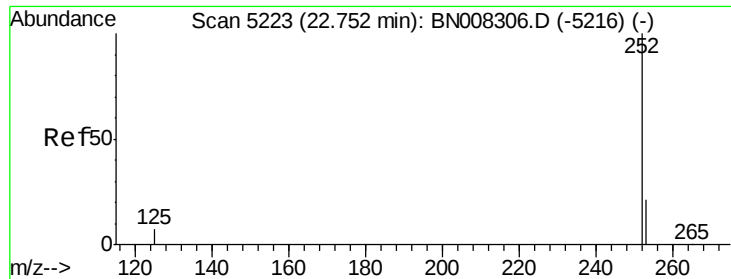
Delta R.T. -0.00 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Tgt Ion:	252	Resp:	116260
Ion Ratio	Lower	Upper	
252	100		
253	23.3	0.0	53.4
125	12.5	0.0	32.4





#22

Benzo(k)fluoranthene

Concen: 1.006 ng/ul m

RT: 22.74 min Scan# 5219

Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Instrument :

BNA_N

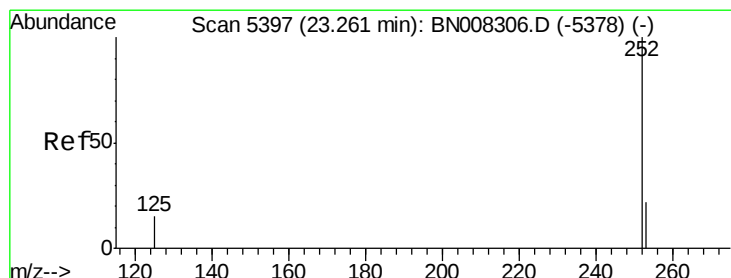
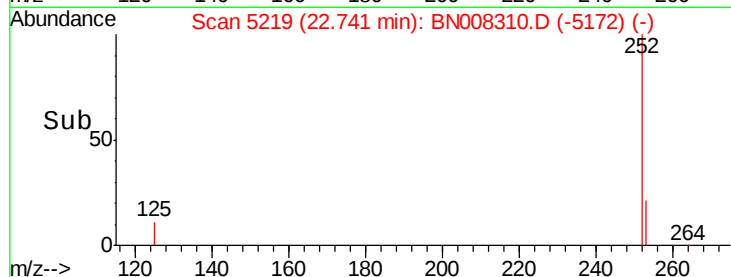
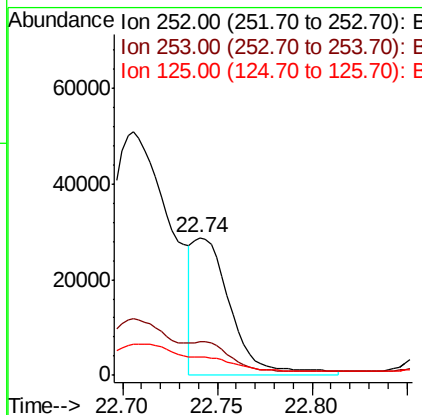
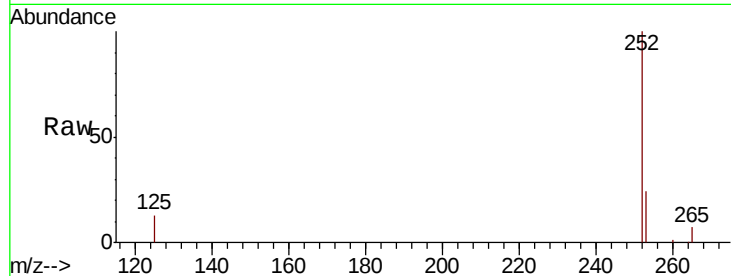
ClientSampleId :

BEPG9DL

Tot Ion:	252	Resp:	40537
Ion Ratio	Lower	Upper	
252	100		
253	24.5	21.3	31.9
125	13.3	12.3	18.5

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM



#23

Benzo(a)pyrene

Concen: 2.109 ng/ul m

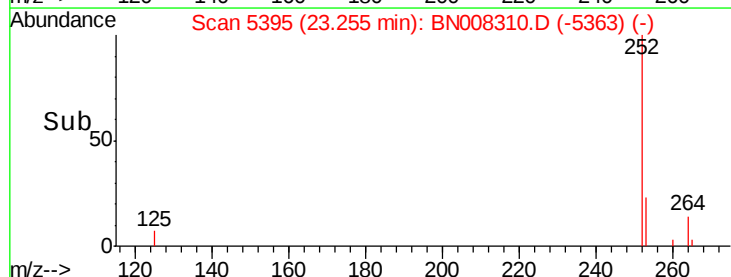
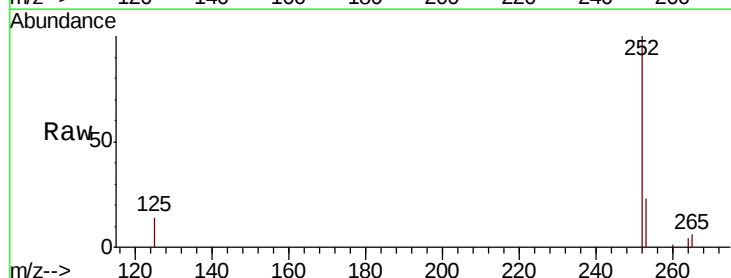
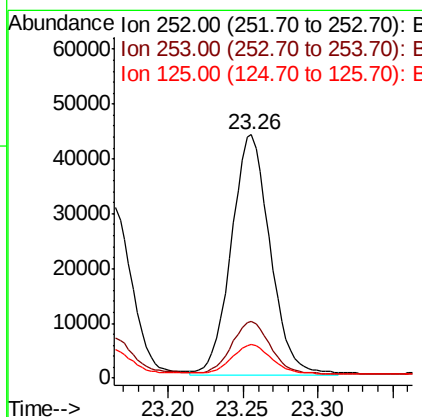
RT: 23.26 min Scan# 5395

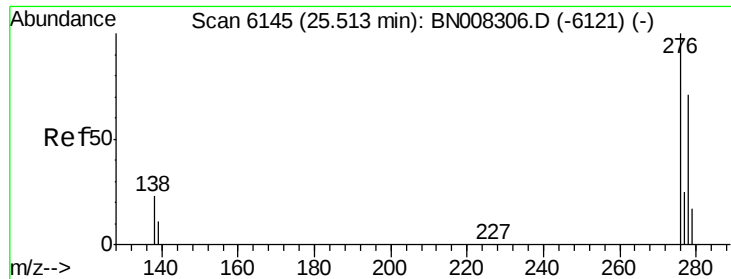
Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Tgt Ion:	252	Resp:	78923
Ion Ratio	Lower	Upper	
252	100		
253	23.3	22.8	34.2
125	13.9	18.4	27.6#





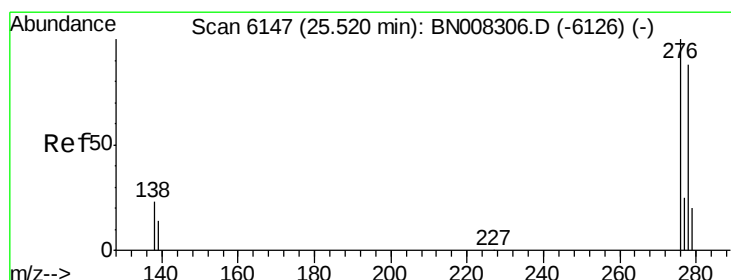
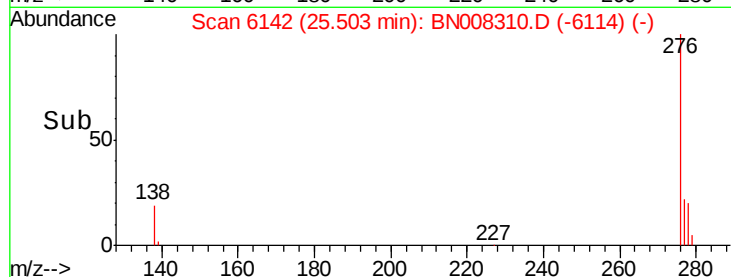
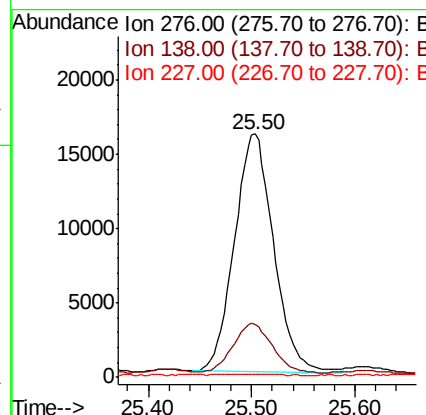
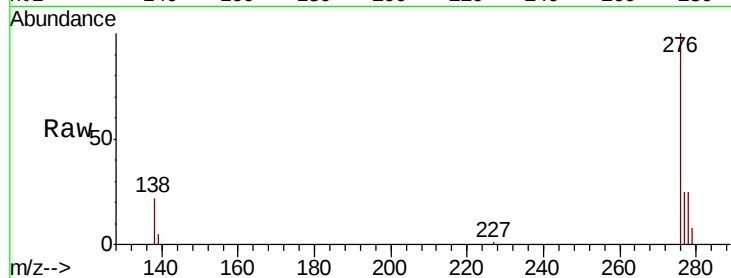
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.957 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.01 min
 Lab File: BN008310.D
 Acq: 22 Oct 2019 11:51

Instrument :
 BNA_N
 ClientSampleID :
 BEPG9DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	16.1	24.1
227	0.1	0.2	0.2

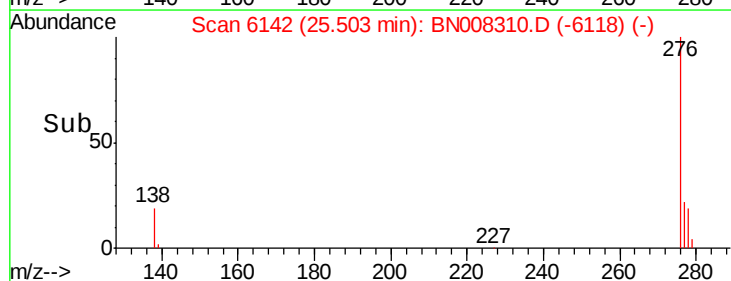
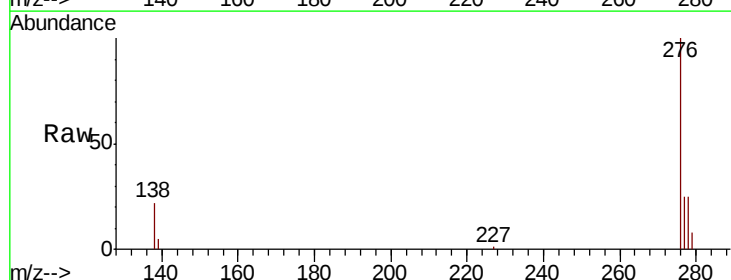
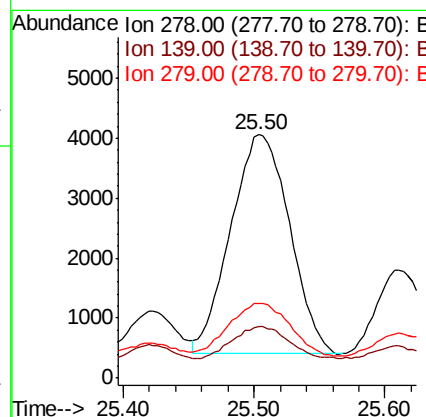
Manual Integrations
 APPROVED

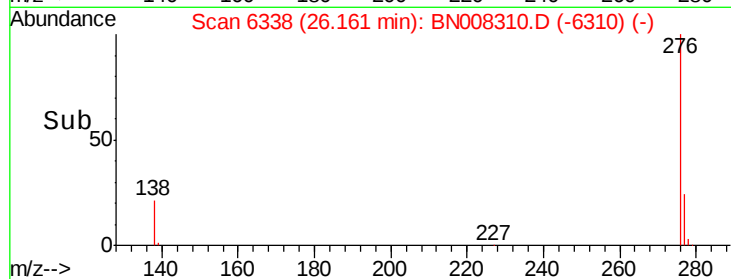
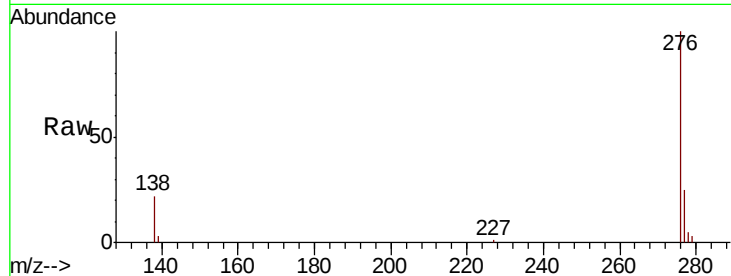
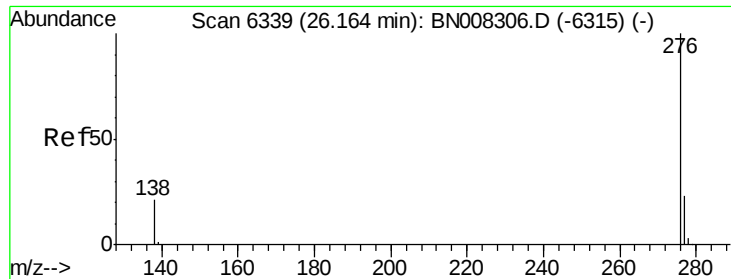
mohammad
 10/23/2019 8:06:24 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.327 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.02 min
 Lab File: BN008310.D
 Acq: 22 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	15.0	22.6
279	30.6	22.4	33.6





#26

Benzo(a,h,i)perylene

Concen: 0.861 ng/ul

RT: 26.16 min Scan# 6338

Delta R.T. -0.01 min

Lab File: BN008310.D

Acq: 22 Oct 2019 11:51

Instrument :

BNA_N

ClientSampleId :

BEPG9DL

Tot Ion:	276	Resp:	34808
Ion Ratio	Lower	Upper	
276	100		
138	22.2	17.0	25.4
277	24.9	20.4	30.6

Manual Integrations
APPROVED

mohammad
10/23/2019 8:06:24 AM

