

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\  
 Data File : BN006377.D  
 Acq On : 18 Jun 2019 14:39  
 Operator : JU/SJ  
 Sample : K3335-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4235

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 8:39:01 AM

Quant Time: Jun 18 16:59:42 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 : Tue Jun 18 15:57:40 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5108	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	20423	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	10870	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	23540m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13555m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	12503m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	5307	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	11725m	0.19	ng/ul	0.00
Target Compounds						
					Ovalue	
3) Naphthalene	10.47	128	12823	0.228	ng/ul	99
5) 2-Methylnaphthalene	12.09	142	4583	0.117	ng/ul	99
7) Acenaphthylene	14.01	152	85628	1.417	ng/ul	100
8) Acenaphthene	14.35	153	20482	0.489	ng/ul	99
9) Fluorene	15.35	166	40156	0.819	ng/ul	98
12) Phenanthrene	17.09	178	563040m	7.451	ng/ul	
13) Anthracene	17.18	178	149308m	2.069	ng/ul	
15) Fluoranthene	19.12	202	1129739m	13.540	ng/ul	
17) Pyrene	19.48	202	978201	13.700	ng/ul	99
18) Benzo(a)anthracene	21.25	228	426056m	7.107	ng/ul	
19) Chrysene	21.30	228	374863	6.661	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	474603m	9.103	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	151587m	2.985	ng/ul	
23) Benzo(a)pyrene	23.40	252	328617	6.768	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.74	276	213015	4.053	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.74	278	51132	1.217	ng/ul	96
26) Benzo(a,h,i)perylene	26.41	276	175164	3.979	ng/ul	94

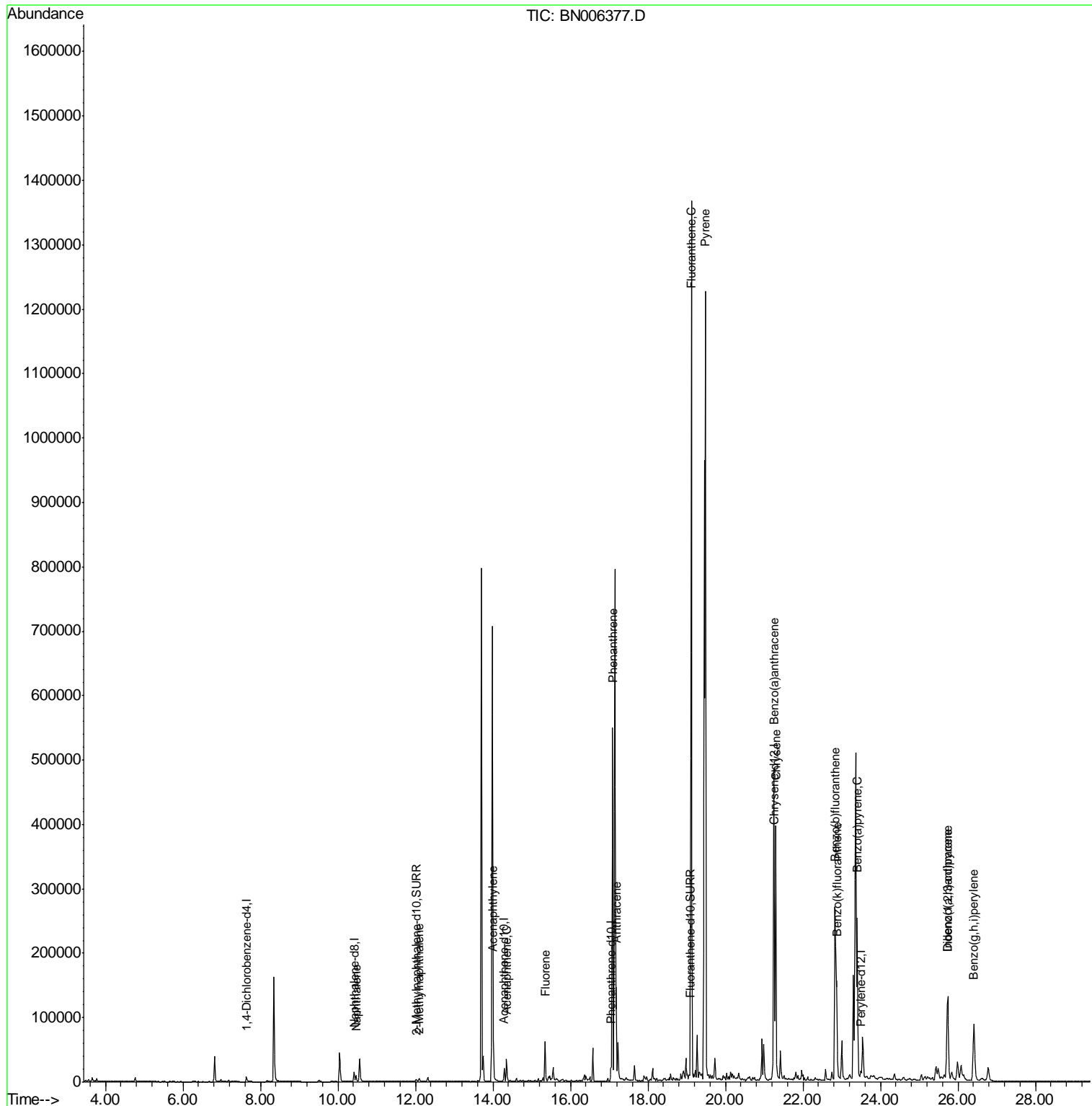
(#) = qualifier out of range (m) = manual integration (+) = signals summed

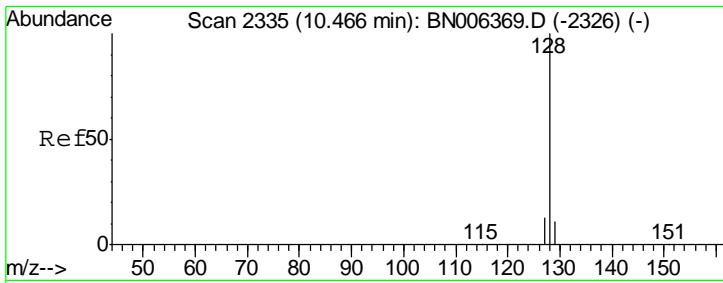
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\  
 Data File : BN006377.D  
 Acq On : 18 Jun 2019 14:39  
 Operator : JU/SJ  
 Sample : K3335-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 Client Sampled :  
 A4235

Manual Integrations  
 APPROVED  
 mohammad  
 6/21/2019 8:39:01 AM

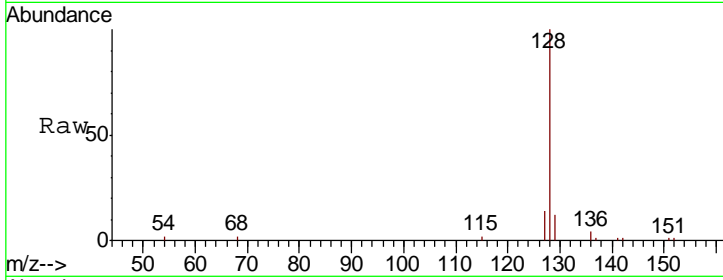
Quant Time: Jun 18 16:59:42 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 18 15:57:40 2019  
 Response via : Initial Calibration





#3  
 Naphthalene  
 Concen: 0.228 ng/ul  
 RT: 10.47 min Scan# 2335  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

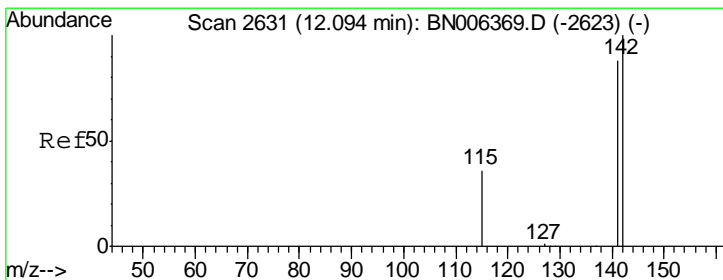
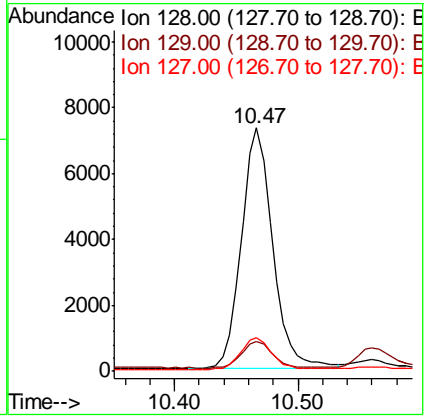
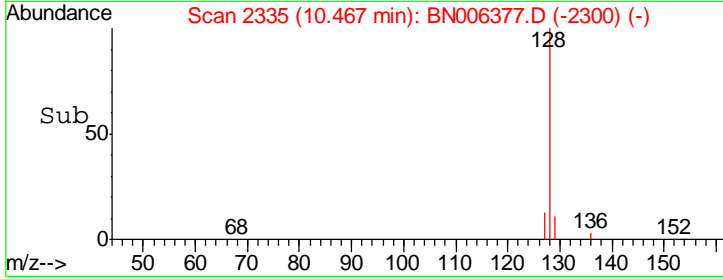
**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 A4235



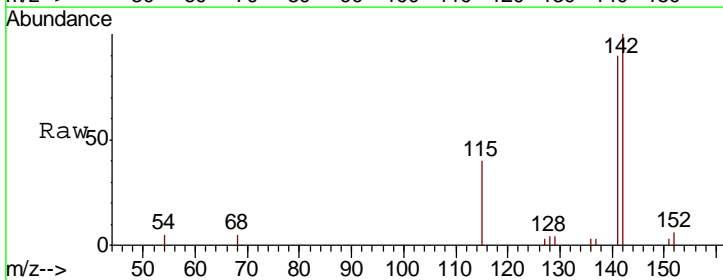
Tgt Ion: 128 Resp: 12823

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.3	13.9
127	13.7	10.7	16.1

**Manual Integrations**  
**APPROVED**  
 mohammad  
 6/21/2019 8:39:01 AM

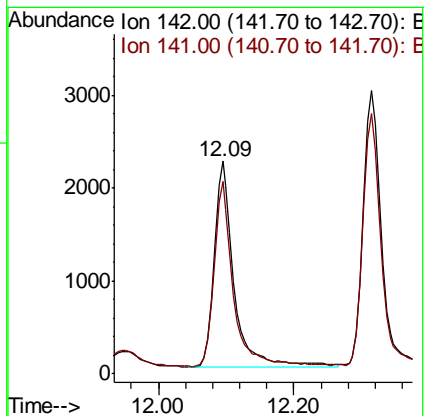
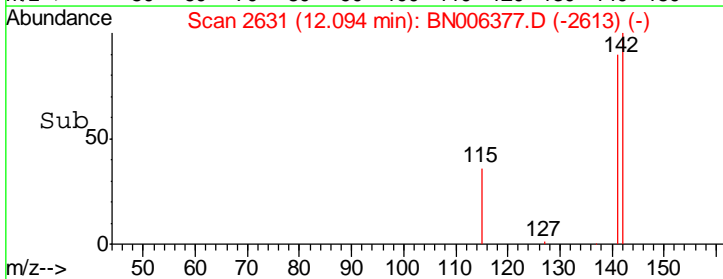


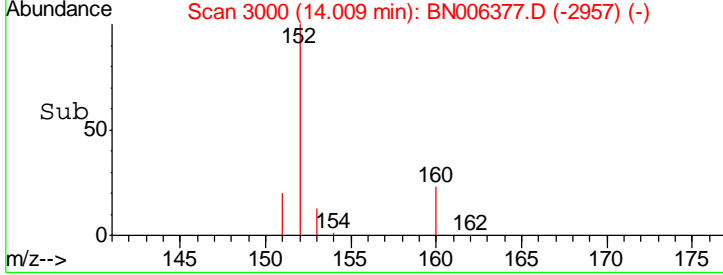
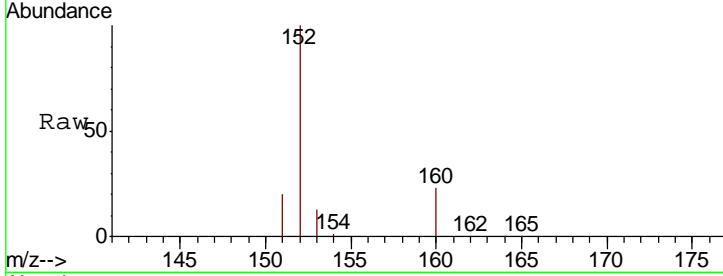
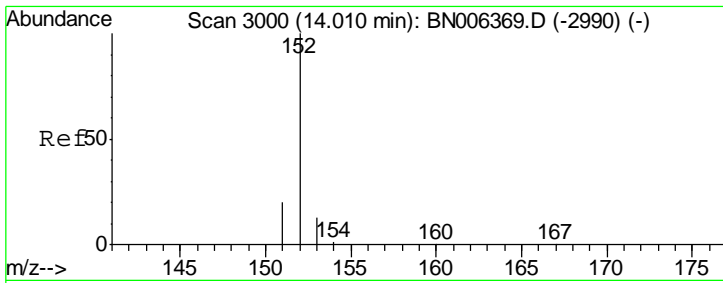
#5  
 2-Methylnaphthalene  
 Concen: 0.117 ng/ul  
 RT: 12.09 min Scan# 2631  
 Delta R.T. 0.00 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39



Tgt Ion: 142 Resp: 4583

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.3	105.5



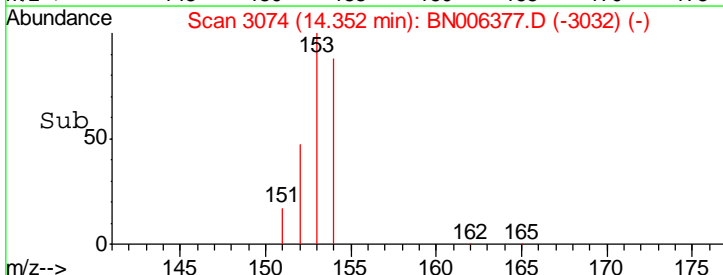
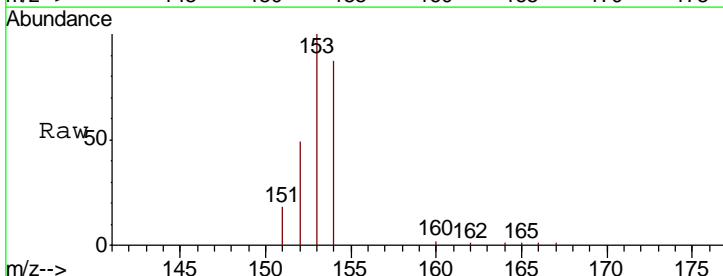
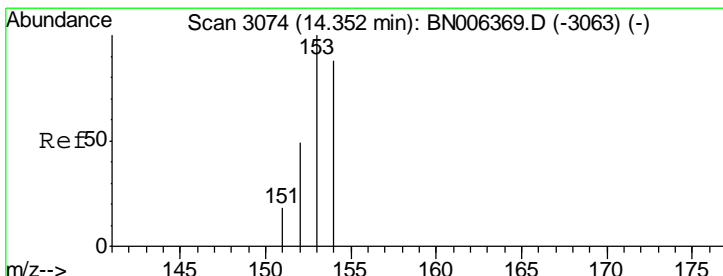
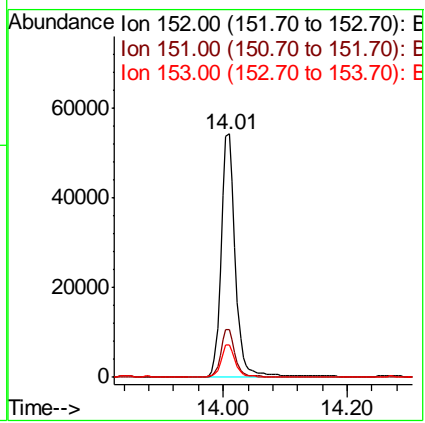


#7  
 Acenaphthylene  
 Concen: 1.417 ng/ul  
 RT: 14.01 min Scan# 3000  
 Delta R.T. -0.00 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion	Resp	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.4	10.8	16.2

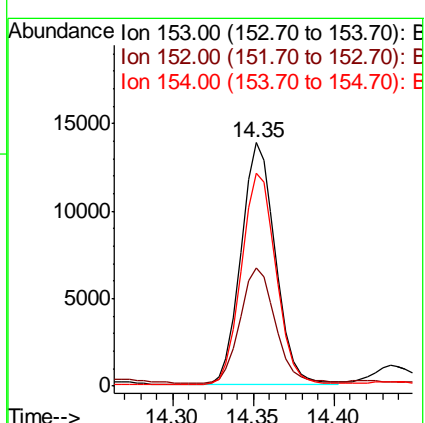
Instrument :  
 BNA\_N  
 ClientSampled :  
 A4235

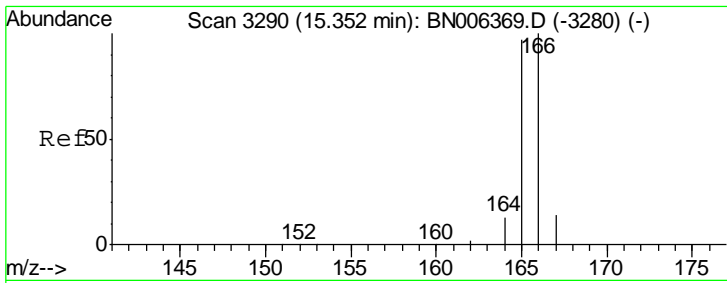
Manual Integrations  
 APPROVED  
 mohammad  
 6/21/2019 8:39:01 AM



#8  
 Acenaphthene  
 Concen: 0.489 ng/ul  
 RT: 14.35 min Scan# 3074  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

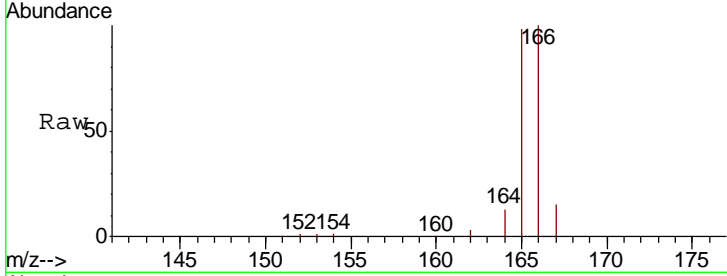
Tgt Ion	Resp	Lower	Upper
153	100		
152	48.7	39.1	58.7
154	87.5	71.1	106.7





#9  
 Fluorene  
 Concen: 0.819 ng/ul  
 RT: 15.35 min Scan# 3289  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

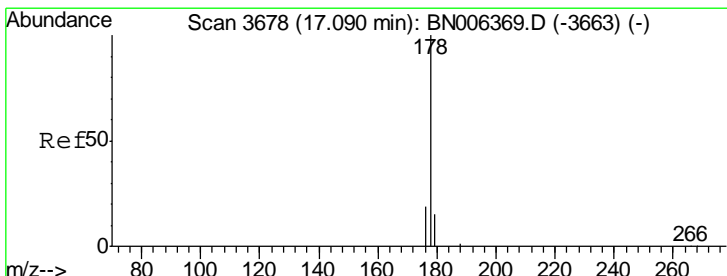
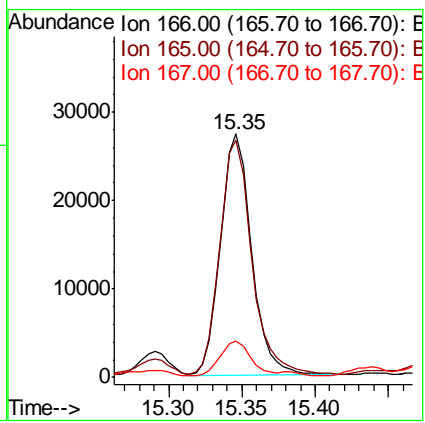
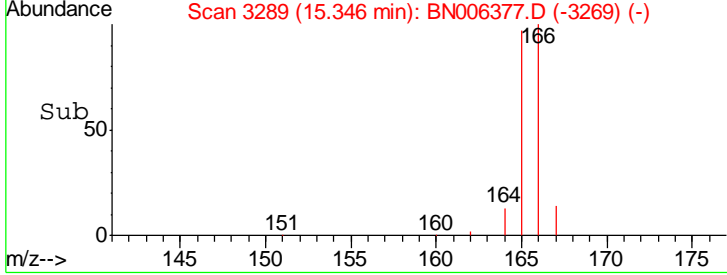
Instrument :  
 BNA\_N  
 ClientSampled :  
 A4235



Tgt Ion: 166 Resp: 40156

Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.4	114.6
167	14.7	11.0	16.6

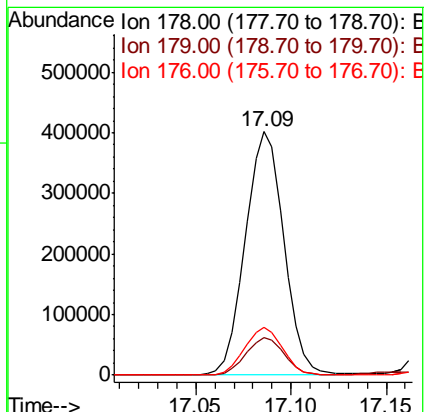
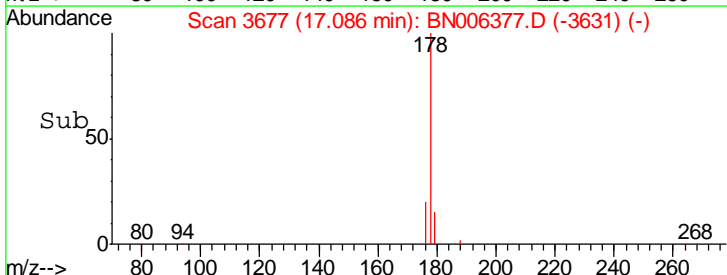
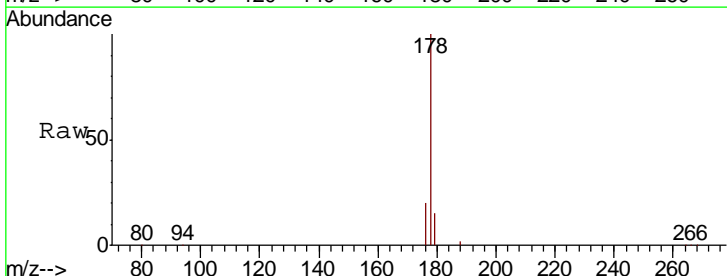
Manual Integrations  
 APPROVED  
 mohammad  
 6/21/2019 8:39:01 AM

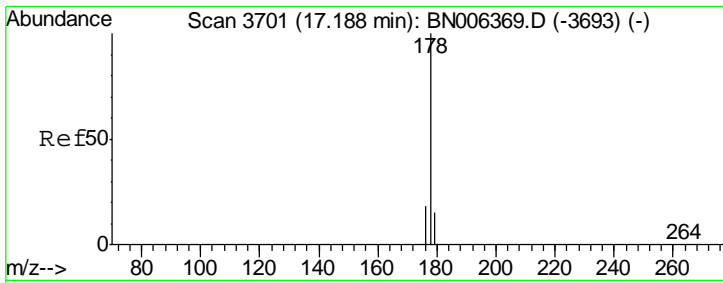


#12  
 Phenanthrene  
 Concen: 7.451 ng/ul m  
 RT: 17.09 min Scan# 3677  
 Delta R.T. -0.00 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion: 178 Resp: 563040

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.6	15.3	22.9



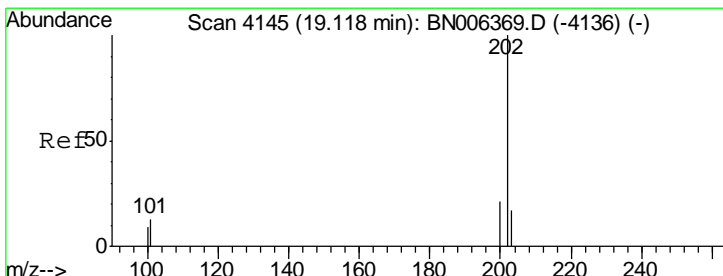
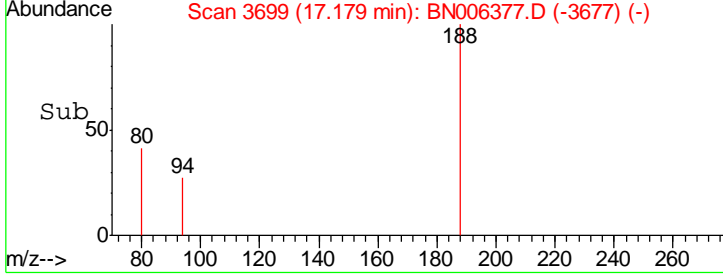
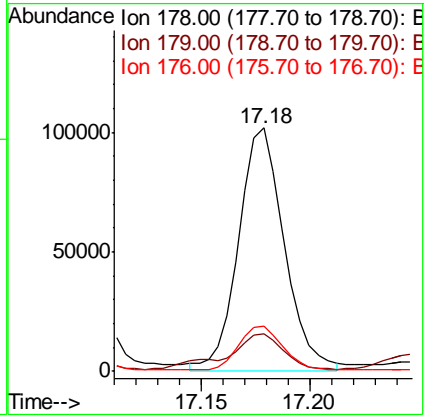
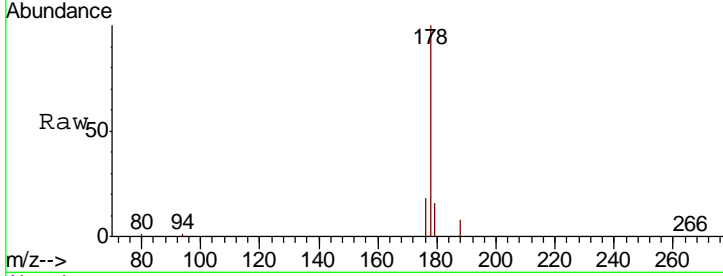


#13  
 Anthracene  
 Concen: 2.069 ng/ul m  
 RT: 17.18 min Scan# 3699  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Instrument :  
 BNA\_N  
 ClientSampled :  
 A4235

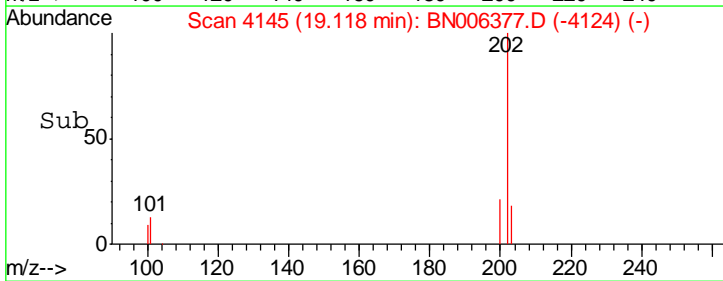
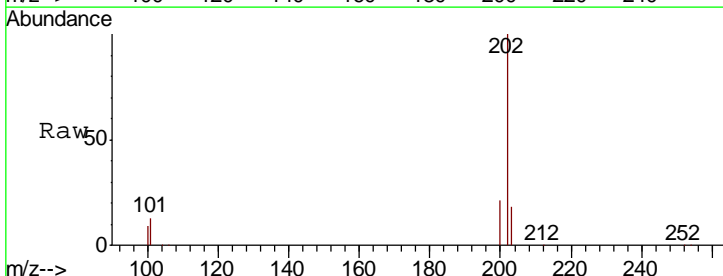
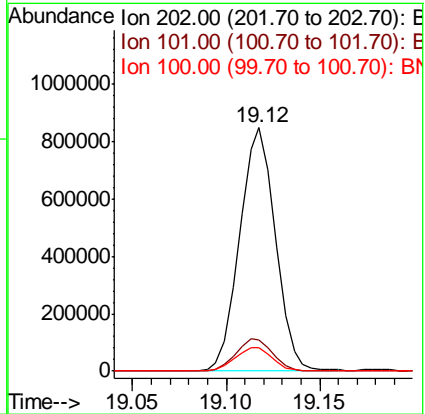
Tgt Ion	Resp	Lower	Upper
178	149308		
179	15.6	12.2	18.4
176	18.4	15.1	22.7

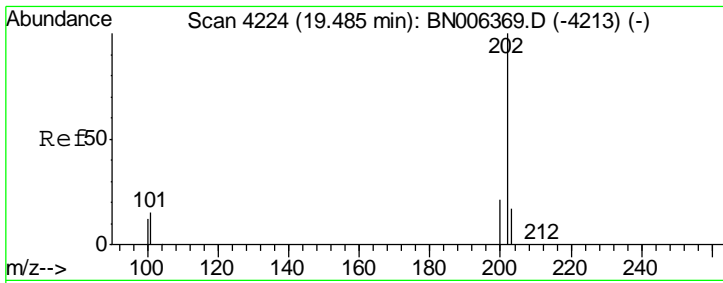
Manual Integrations  
**APPROVED**  
 mohammad  
 6/21/2019 8:39:01 AM



#15  
 Fluoranthene  
 Concen: 13.540 ng/ul m  
 RT: 19.12 min Scan# 4145  
 Delta R.T. -0.00 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion	Resp	Lower	Upper
202	1129739		
101	13.0	0.0	32.1
100	9.5	0.0	28.7





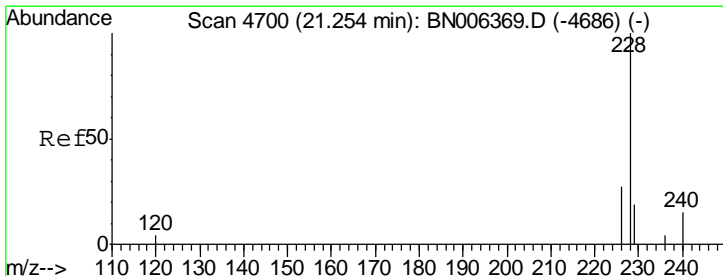
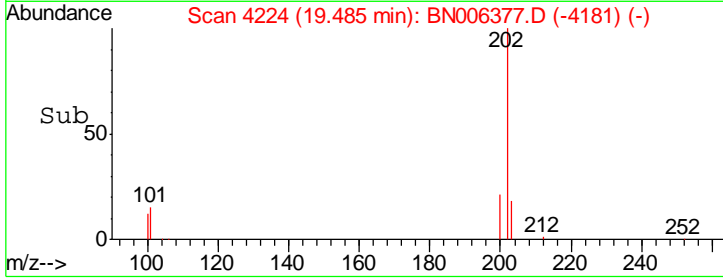
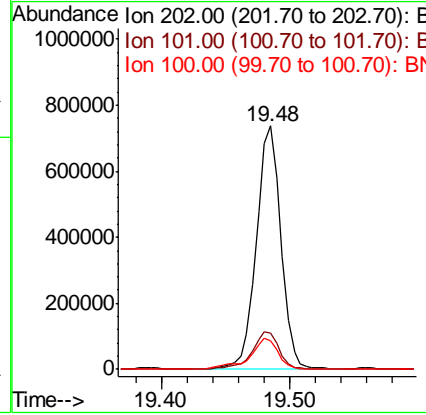
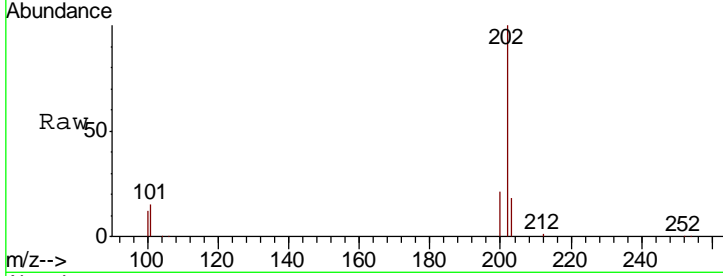
#17  
 Pyrene  
 Concen: 13.700 ng/ul  
 RT: 19.48 min Scan# 4224  
 Delta R.T. -0.00 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Instrument :  
 BNA\_N  
 Client Sampled :  
 A4235

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.2	18.2
100	11.7	9.8	14.6

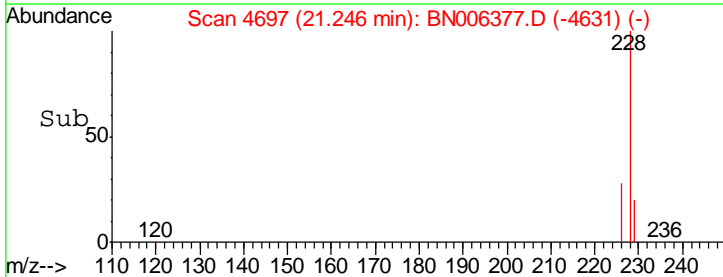
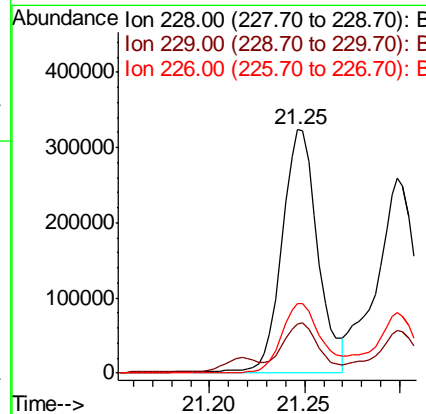
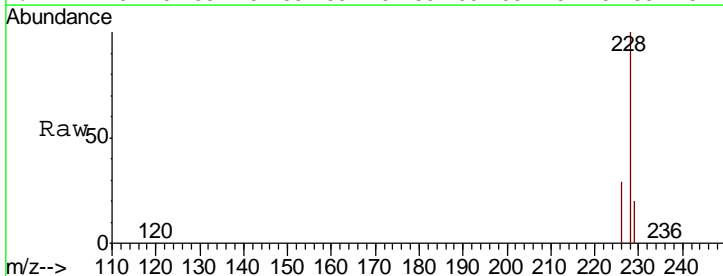
Manual Integrations  
 APPROVED

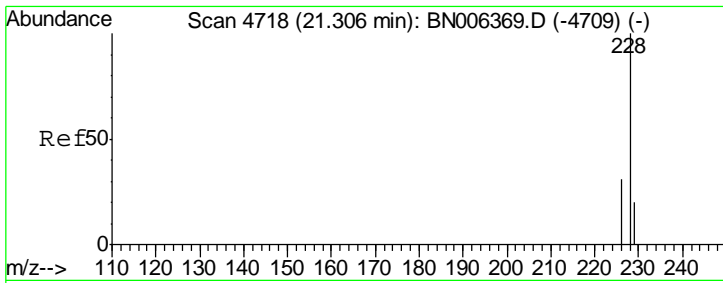
mohammad  
 6/21/2019 8:39:01 AM



#18  
 Benzo(a)anthracene  
 Concen: 7.107 ng/ul m  
 RT: 21.25 min Scan# 4697  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	16.5	24.7
226	28.7	22.8	34.2





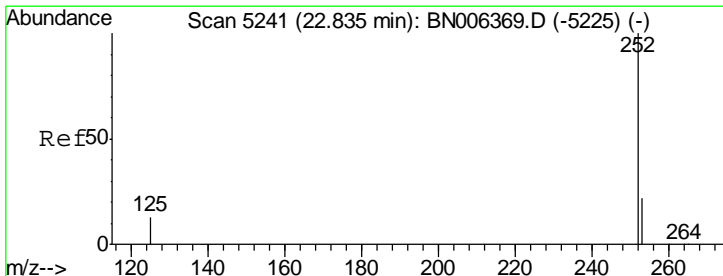
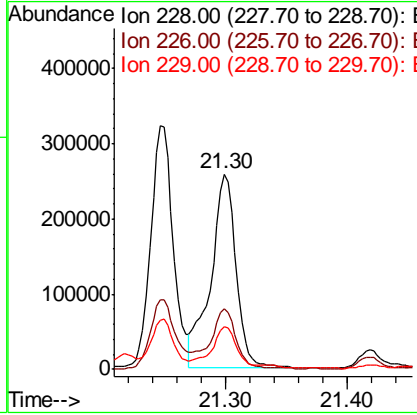
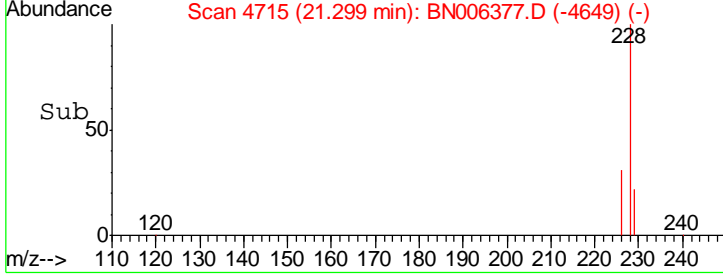
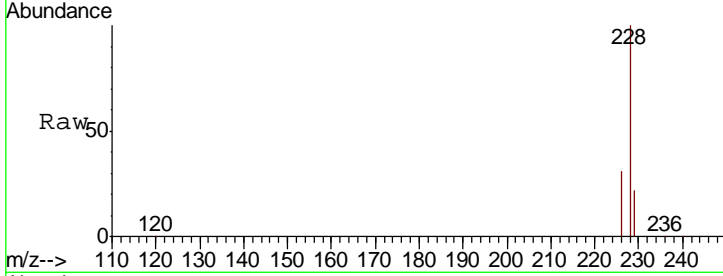
#19  
 Chrysene  
 Concen: 6.661 ng/ul  
 RT: 21.30 min Scan# 4715  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 A4235

Tgt Ion	Resp	Lower	Upper
228	374863		
226	30.9	25.0	37.6
229	22.0	16.3	24.5

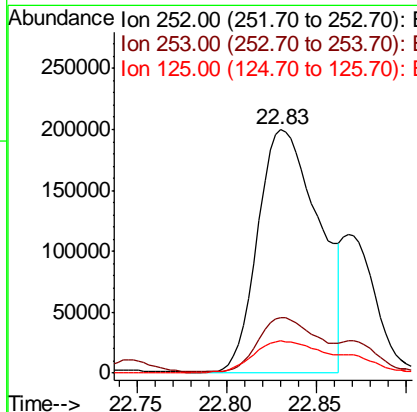
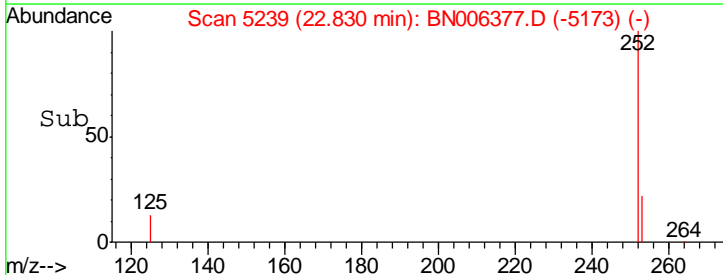
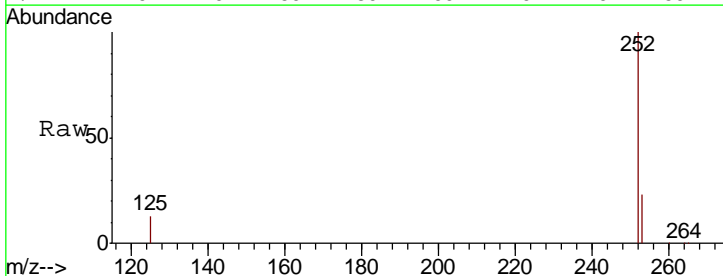
**Manual Integrations**  
**APPROVED**

mohammad  
 6/21/2019 8:39:01 AM

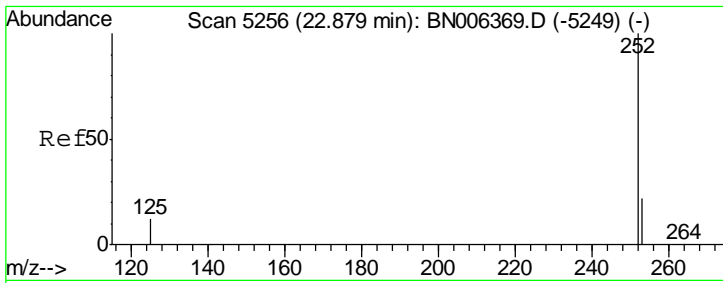


#21  
 Benzo(b)fluoranthene  
 Concen: 9.103 ng/ul m  
 RT: 22.83 min Scan# 5239  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion	Resp	Lower	Upper
252	474603		
253	22.8	0.0	51.4
125	13.1	0.0	41.0







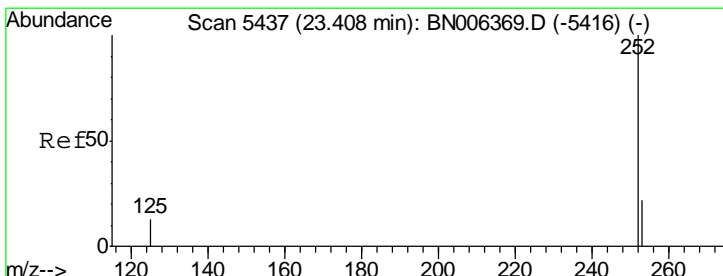
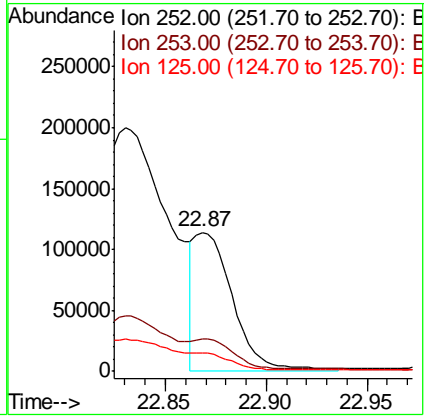
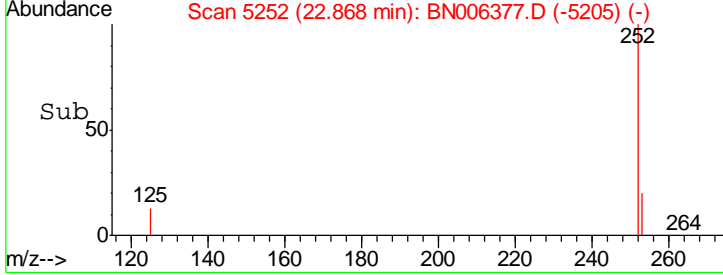
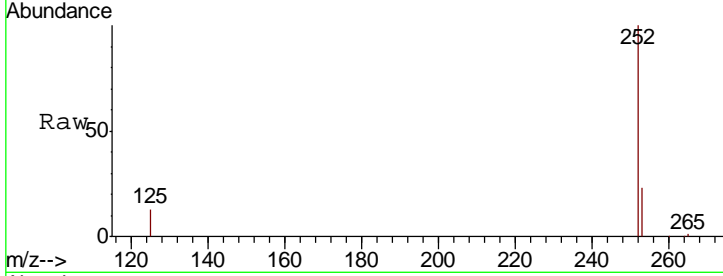
#22  
 Benzo(k)fluoranthene  
 Concen: 2.985 ng/ul m  
 RT: 22.87 min Scan# 5252  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

**Instrument :**  
 BNA\_N  
**Client Sampled :**  
 A4235

Tgt Ion: 252 Resp: 151587

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.3	30.5
125	13.0	14.3	21.5#

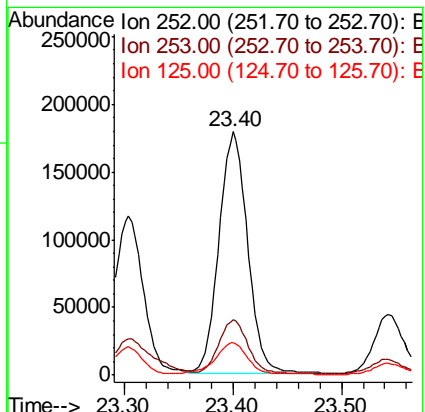
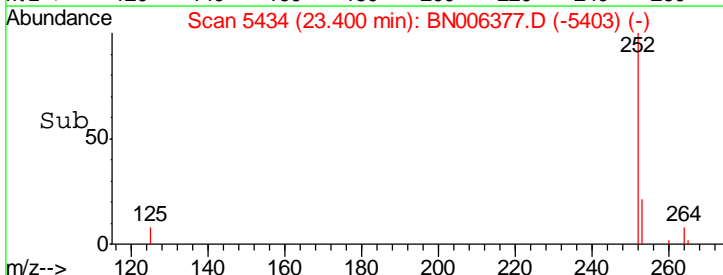
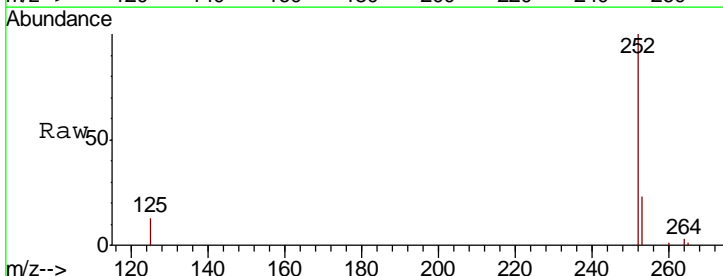
**Manual Integrations**  
**APPROVED**  
 mohammad  
 6/21/2019 8:39:01 AM

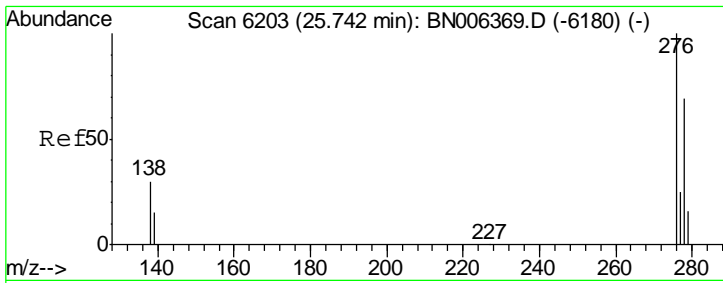


#23  
 Benzo(a)pyrene  
 Concen: 6.768 ng/ul  
 RT: 23.40 min Scan# 5434  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

Tgt Ion: 252 Resp: 328617

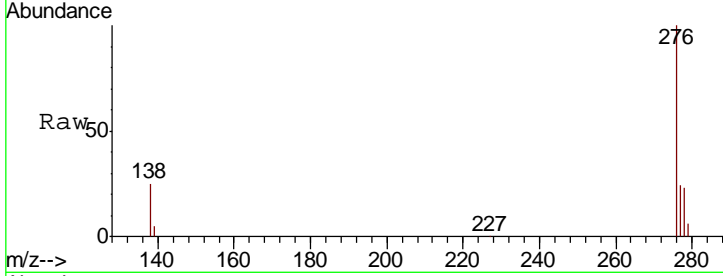
Ion	Ratio	Lower	Upper
252	100		
253	23.0	21.1	31.7
125	13.5	20.3	30.5#





#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.053 ng/ul  
 RT: 25.74 min Scan# 6201  
 Delta R.T. -0.01 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

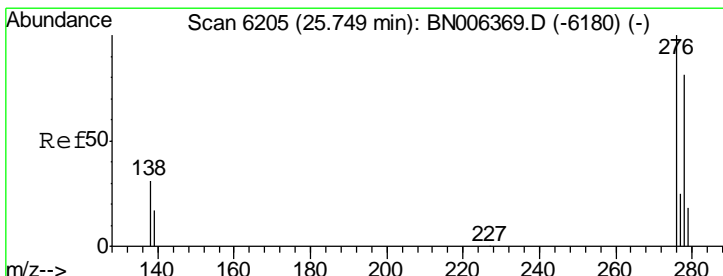
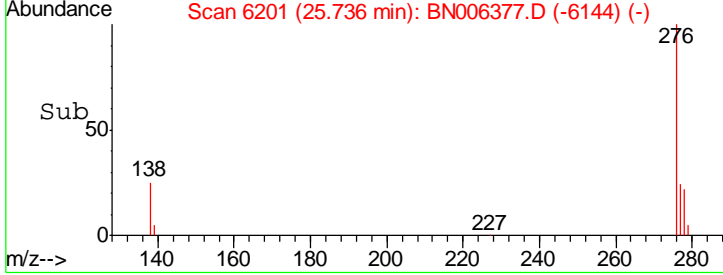
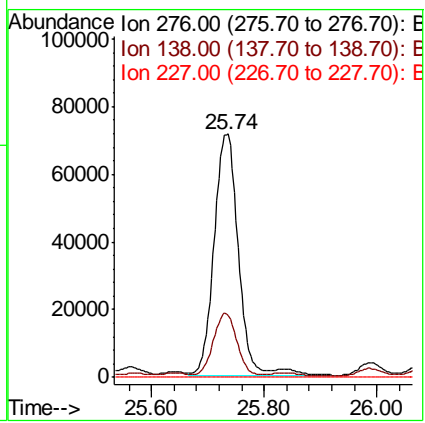
**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 A4235



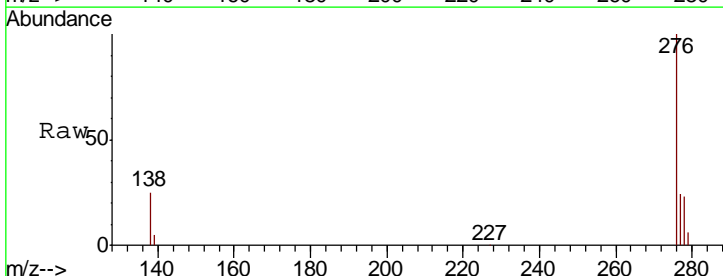
Tgt Ion: 276 Resp: 213015

Ion	Ratio	Lower	Upper
276	100		
138	24.6	25.6	38.4#
227	0.2	0.3	0.5#

**Manual Integrations**  
**APPROVED**  
 mohammad  
 6/21/2019 8:39:01 AM

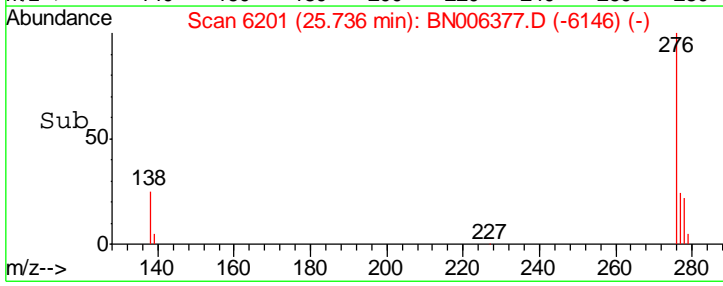
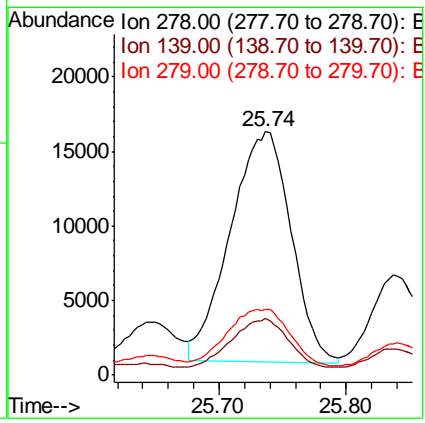


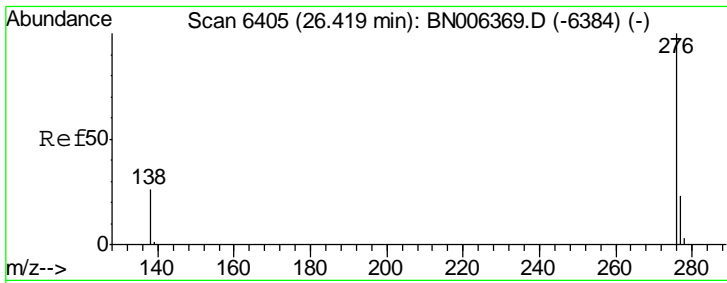
#25  
 Dibenzo(a,h)anthracene  
 Concen: 1.217 ng/ul  
 RT: 25.74 min Scan# 6201  
 Delta R.T. -0.02 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39



Tgt Ion: 278 Resp: 51132

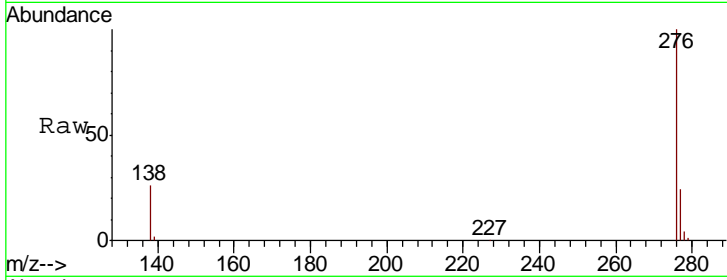
Ion	Ratio	Lower	Upper
278	100		
139	23.1	21.2	31.8
279	27.0	22.6	33.8





#26  
 Benzo(a,h,i)perylene  
 Concen: 3.979 ng/ul  
 RT: 26.41 min Scan# 6403  
 Delta R.T. -0.02 min  
 Lab File: BN006377.D  
 Acq: 18 Jun 2019 14:39

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 A4235



Tot Ion: 276 Resp: 175164

Ion	Ratio	Lower	Upper
276	100		
138	26.3	24.2	36.4
277	24.1	21.5	32.3

**Manual Integrations**  
**APPROVED**  
 mohammad  
 6/21/2019 8:39:01 AM

