

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\  
 Data File : BN008858.D  
 Acq On : 06 Dec 2019 14:15  
 Operator : JU  
 Sample : K6007-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0BLO

**Manual Integrations**  
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Quant Time: Dec 06 14:59:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 12:03:45 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	2495	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	11376	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7243	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	16115	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	14808	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	16570	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2378	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	8158	0.17	ng/ul	0.00
Target Compounds						
						Ovalue
3) Naphthalene	10.37	128	3777	0.110	ng/ul	96
5) 2-Methylnaphthalene	12.00	142	3410	0.142	ng/ul	100
7) Acenaphthylene	13.91	152	13270	0.331	ng/ul	99
8) Acenaphthene	14.26	153	1960	0.066	ng/ul	95
9) Fluorene	15.25	166	4413	0.126	ng/ul#	98
12) Phenanthrene	16.98	178	165363	3.043	ng/ul	99
13) Anthracene	17.07	178	23604	0.460	ng/ul	99
15) Fluoranthene	19.00	202	593038	8.882	ng/ul	99
17) Pyrene	19.37	202	480181	8.083	ng/ul	99
18) Benzo(a)anthracene	21.13	228	236086	3.964	ng/ul	98
19) Chrysene	21.18	228	288963	4.940	ng/ul	98
21) Benzo(b)fluoranthene	22.66	252	449476m	6.578	ng/ul	
22) Benzo(k)fluoranthene	22.70	252	158413m	2.338	ng/ul	
23) Benzo(a)pyrene	23.20	252	276194m	4.306	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.41	276	218928	2.919	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.42	278	47070	0.777	ng/ul	97
26) Benzo(a,h,i)perylene	26.06	276	216392	3.449	ng/ul	97

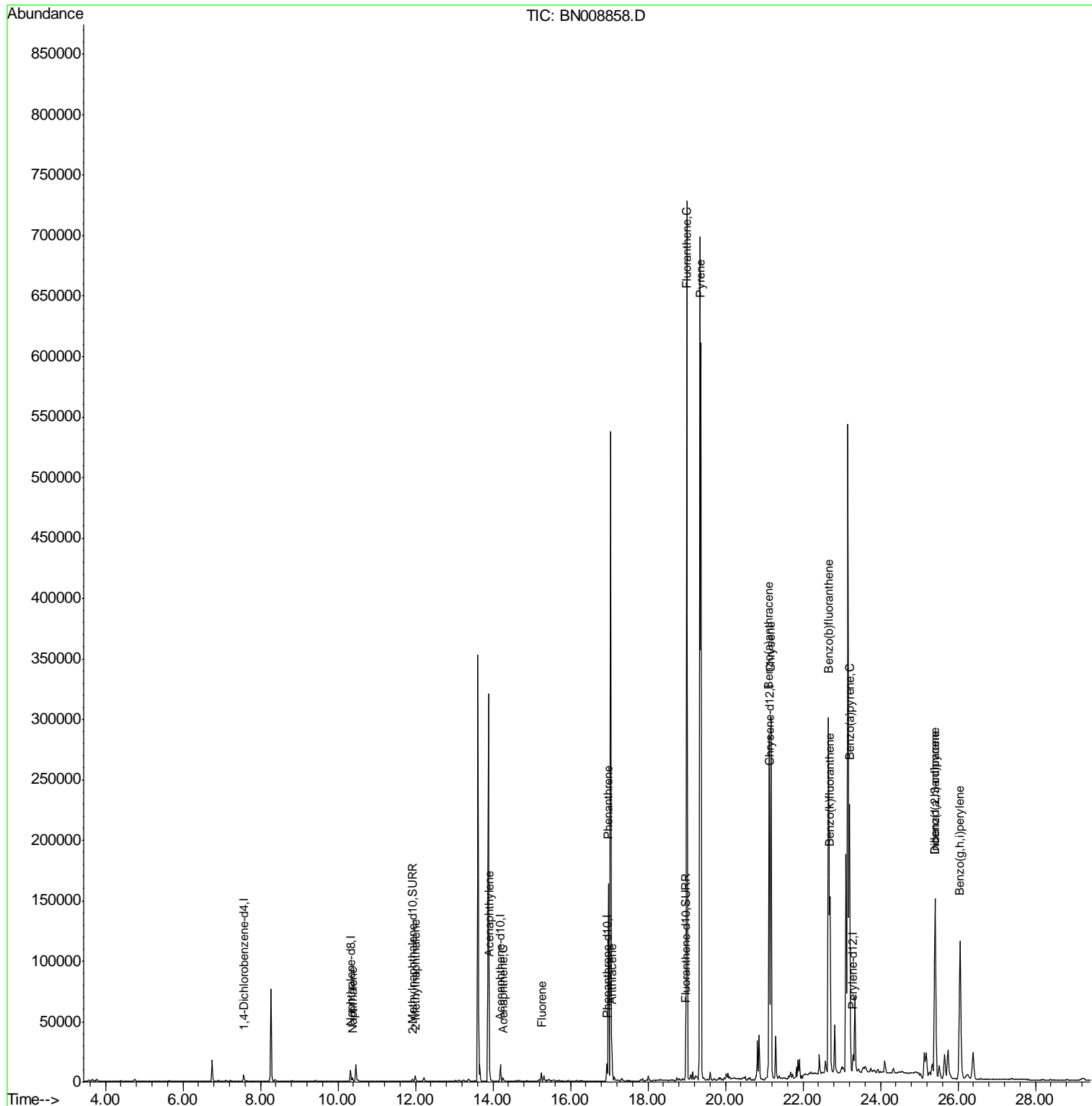
(#) = qualifier out of range (m) = manual integration (+) = signals summed

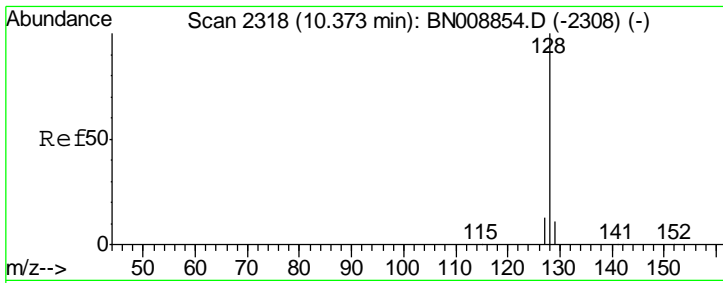
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\  
 Data File : BN008858.D  
 Acq On : 06 Dec 2019 14:15  
 Operator : JU  
 Sample : K6007-02  
 Misc :  
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Manual Integrations  
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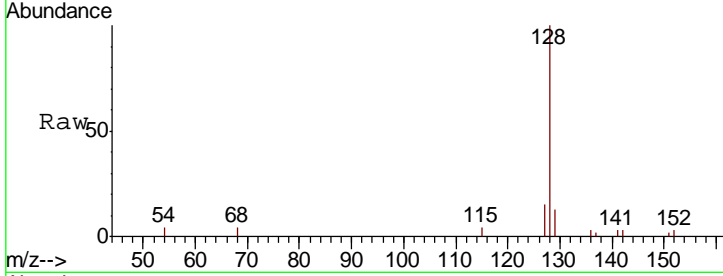
Quant Time: Dec 06 14:59:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 12:03:45 2019  
 Response via : Initial Calibration





#3  
 Naphthalene  
 Concen: 0.110 ng/ul  
 RT: 10.37 min Scan# 2318  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

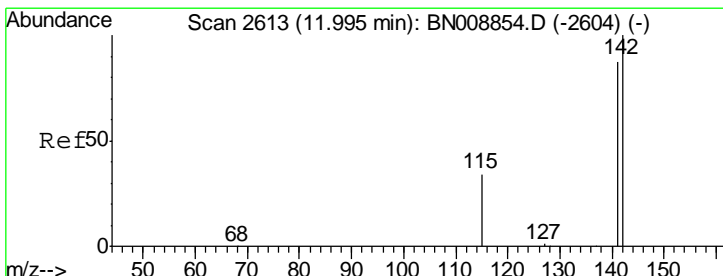
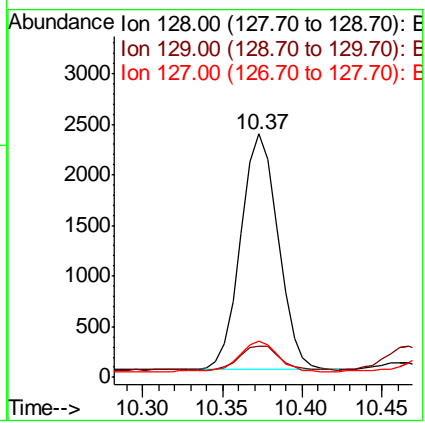
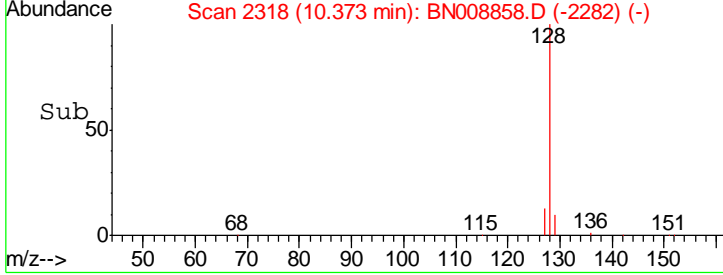
**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 COBLO



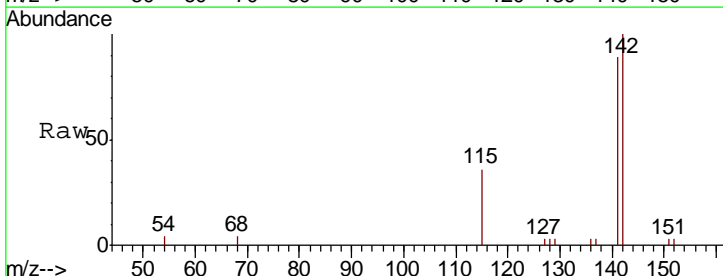
Tgt Ion:128 Resp: 3777

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.1	13.7
127	14.7	10.7	16.1

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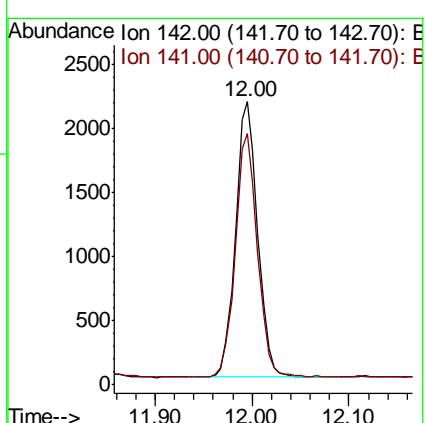
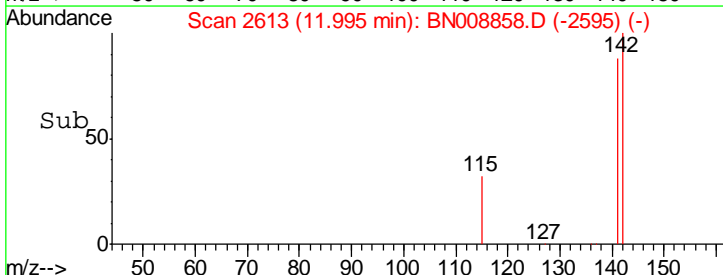


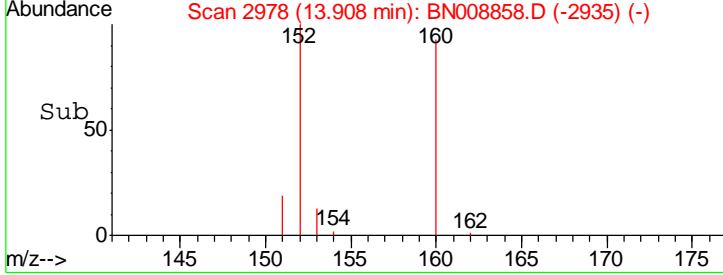
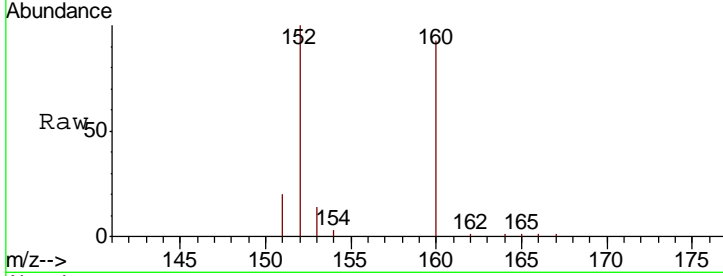
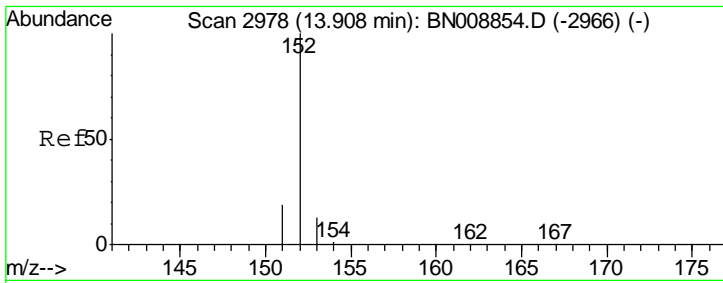
#5  
 2-Methylnaphthalene  
 Concen: 0.142 ng/ul  
 RT: 12.00 min Scan# 2613  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15



Tgt Ion:142 Resp: 3410

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.1	105.1



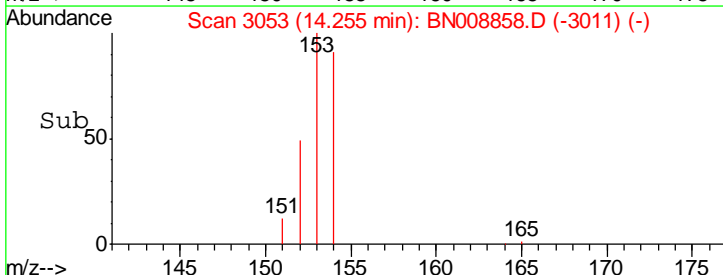
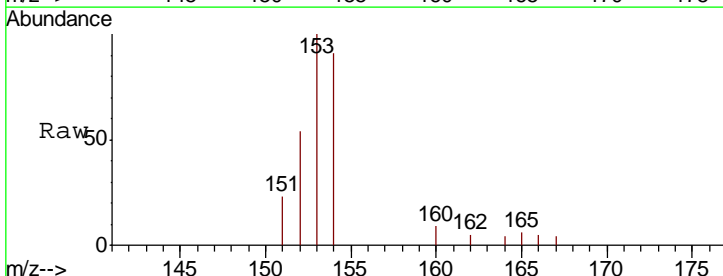
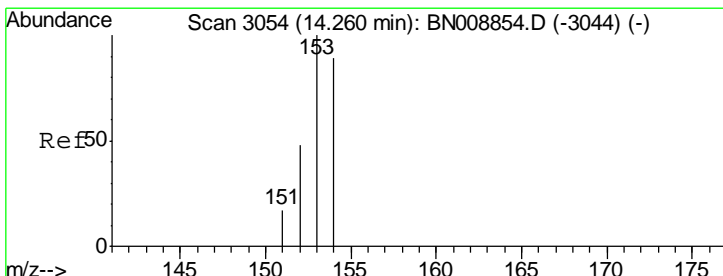
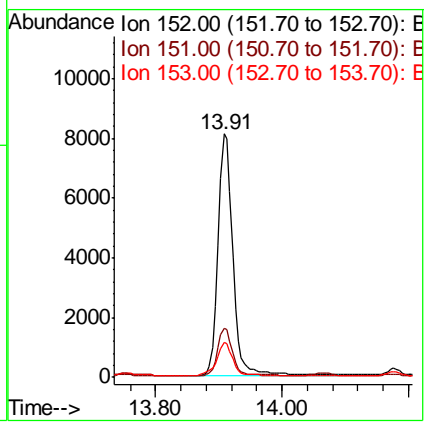


#7  
 Acenaphthylene  
 Concen: 0.331 ng/ul  
 RT: 13.91 min Scan# 2978  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Tgt Ion	Resp	Lower	Upper
152	13270		
151	20.0	15.8	23.6
153	14.1	10.6	15.8

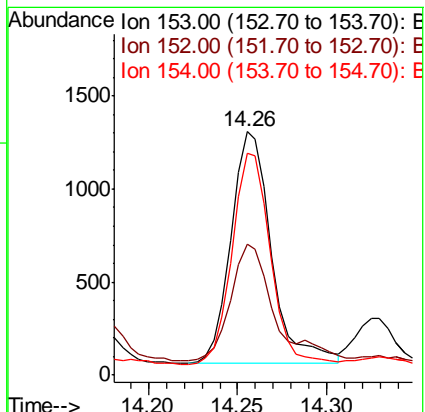
Instrument :  
 BNA\_N  
 ClientSampled :  
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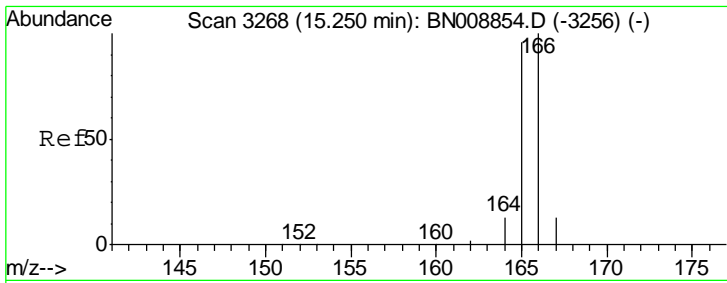
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#8  
 Acenaphthene  
 Concen: 0.066 ng/ul  
 RT: 14.26 min Scan# 3053  
 Delta R.T. -0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Tgt Ion	Resp	Lower	Upper
153	1960		
152	53.9	38.6	58.0
154	90.9	70.6	105.8





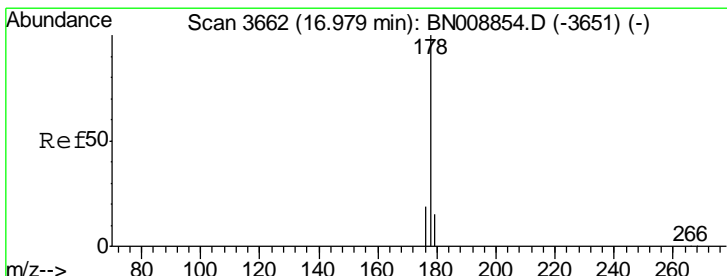
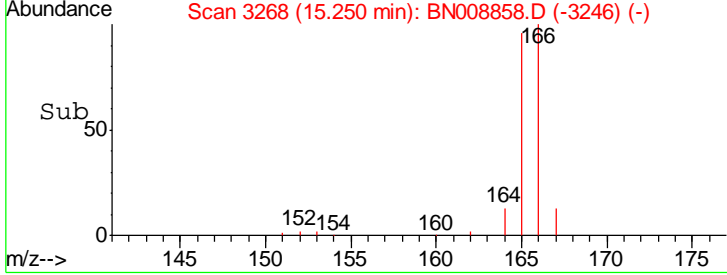
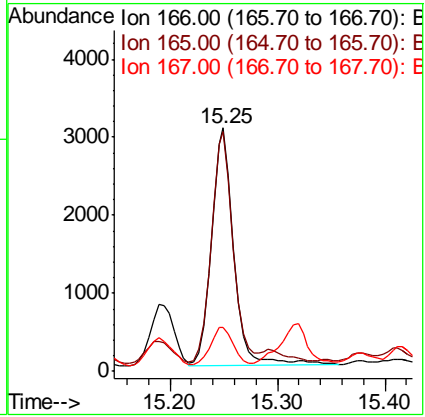
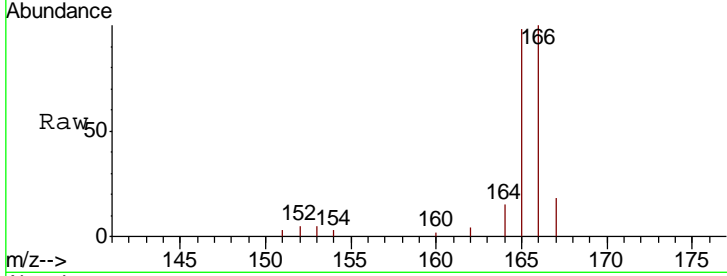
#9  
 Fluorene  
 Concen: 0.126 ng/ul  
 RT: 15.25 min Scan# 3268  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

**Instrument :**  
 BNA\_N  
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Tgt Ion	Resp	Lower	Upper
166	4413		
165	98.4	77.7	116.5
167	18.2	11.1	16.7#

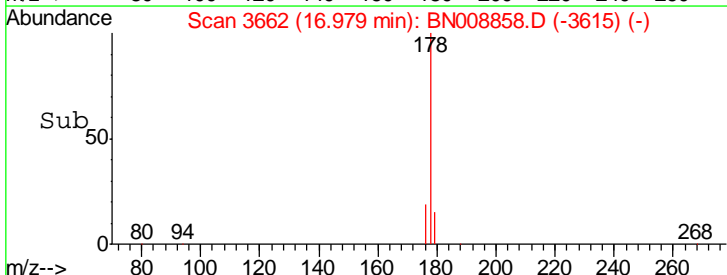
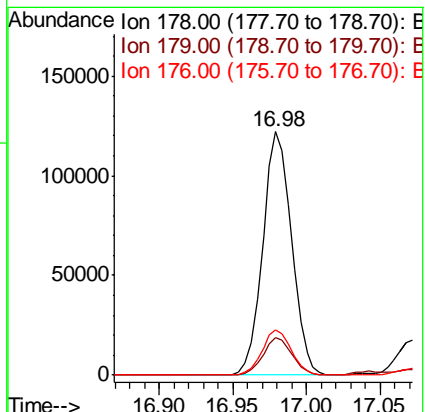
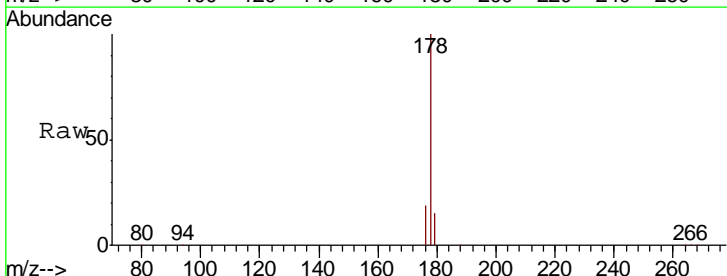
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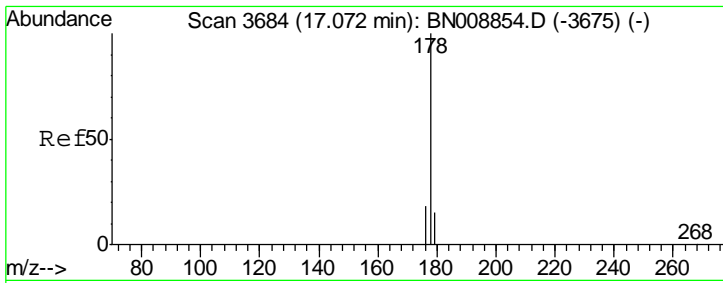
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#12  
 Phenanthrene  
 Concen: 3.043 ng/ul  
 RT: 16.98 min Scan# 3662  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Tgt Ion	Resp	Lower	Upper
178	165363		
179	15.4	12.6	18.8
176	18.7	15.3	22.9



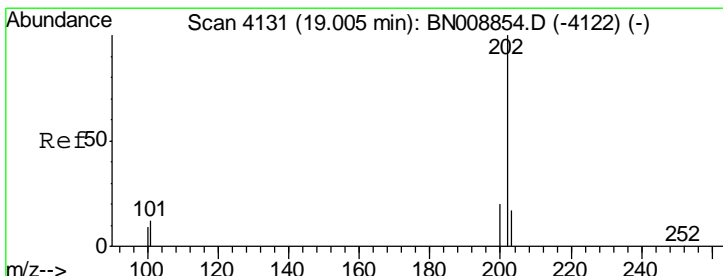
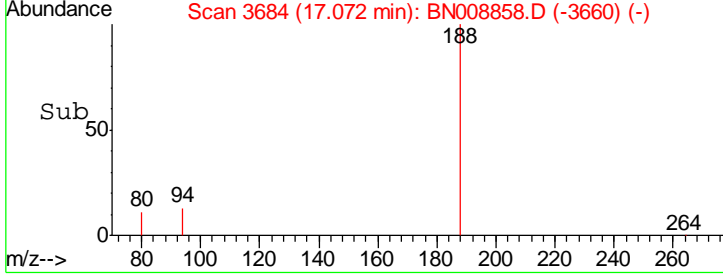
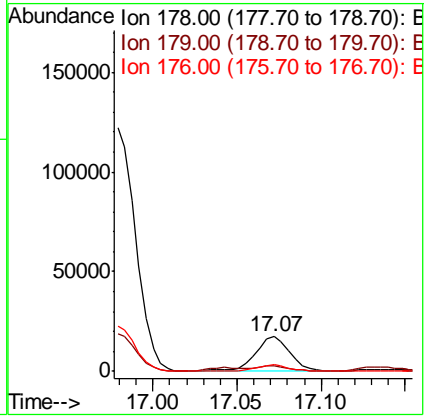
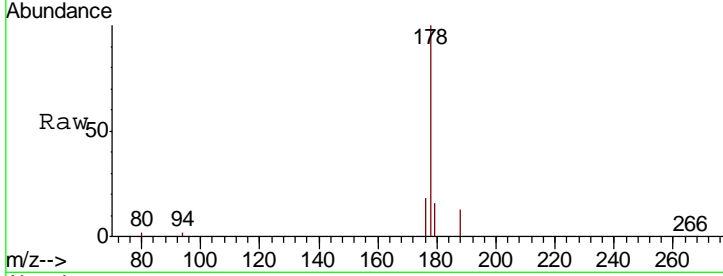


#13  
 Anthracene  
 Concen: 0.460 ng/ul  
 RT: 17.07 min Scan# 3684  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Instrument :  
 BNA\_N  
 ClientSampled :  
 COBLO

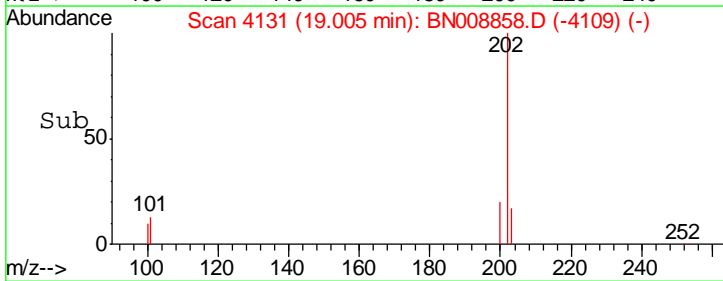
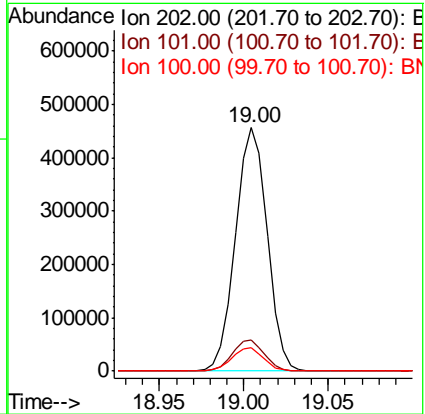
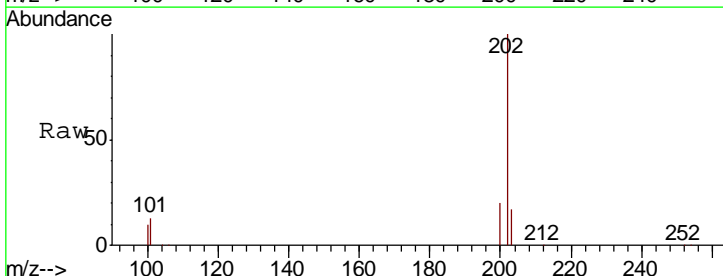
Tgt Ion	Resp	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.1	14.7	22.1

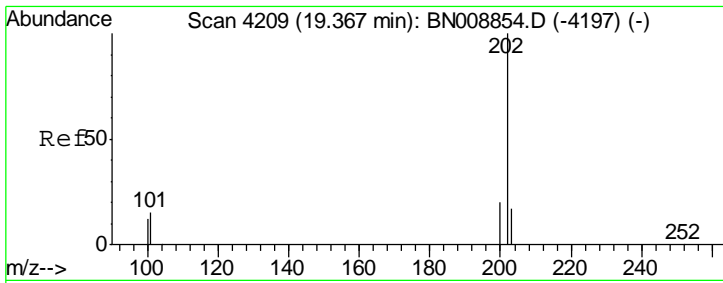
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#15  
 Fluoranthene  
 Concen: 8.882 ng/ul  
 RT: 19.00 min Scan# 4131  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Tgt Ion	Resp	Lower	Upper
202	100		
101	12.6	0.0	32.4
100	9.5	0.0	29.2





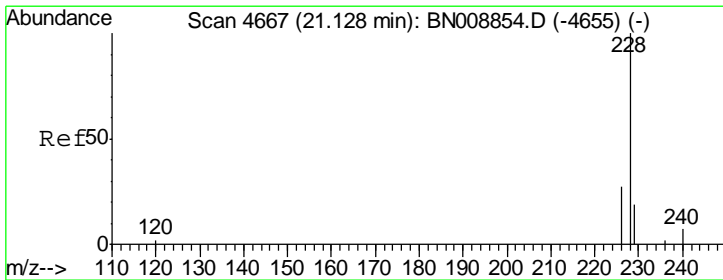
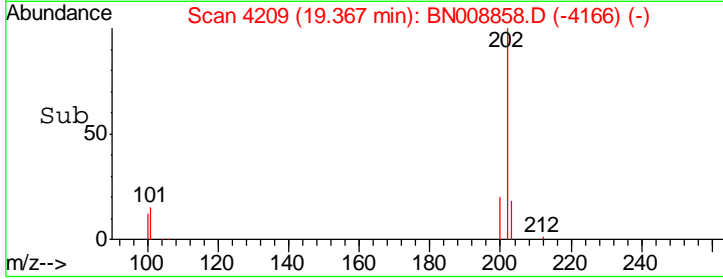
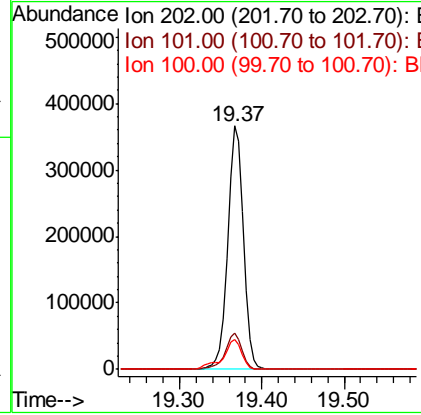
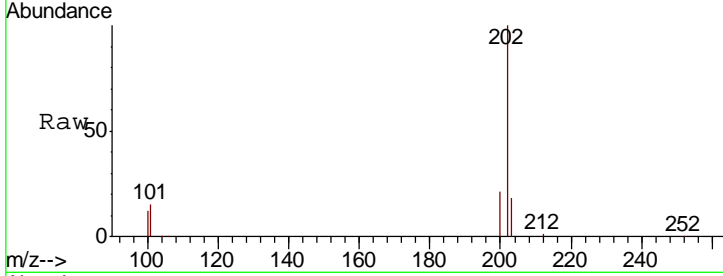
#17  
 Pyrene  
 Concen: 8.083 ng/ul  
 RT: 19.37 min Scan# 4209  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

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

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.2	18.4
100	12.1	9.5	14.3

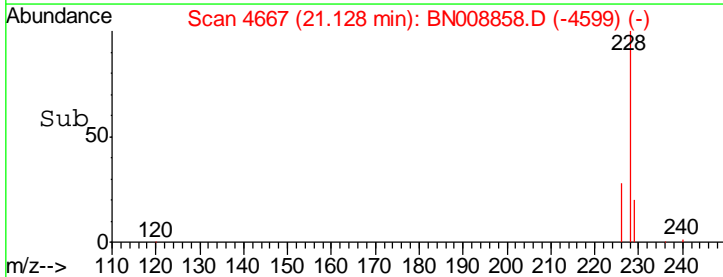
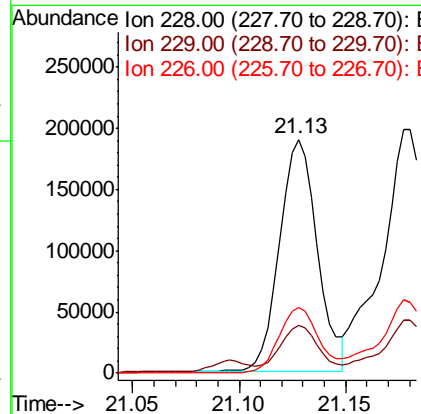
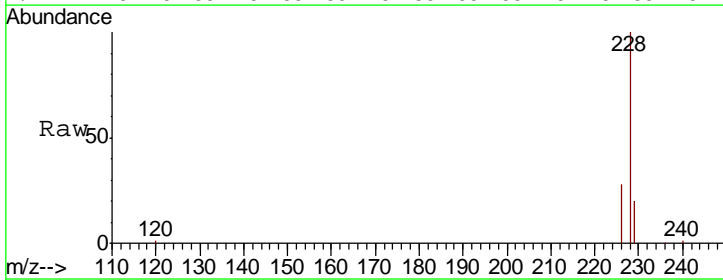
**Manual Integrations**  
**APPROVED**

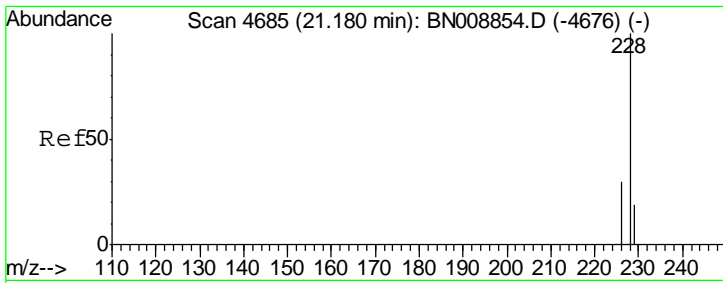
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#18  
 Benzo(a)anthracene  
 Concen: 3.964 ng/ul  
 RT: 21.13 min Scan# 4667  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

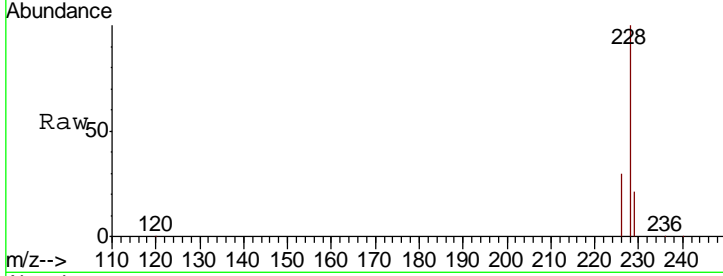
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.7	23.5
226	28.3	21.5	32.3





#19  
 Chrysene  
 Concen: 4.940 ng/ul  
 RT: 21.18 min Scan# 4684  
 Delta R.T. -0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

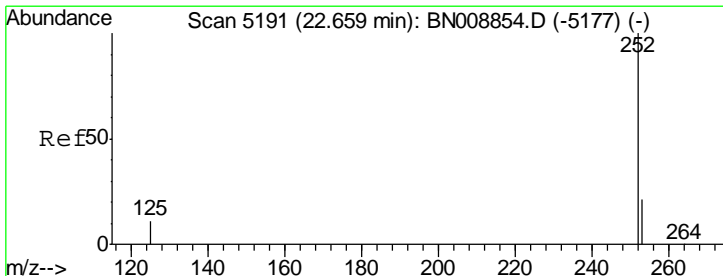
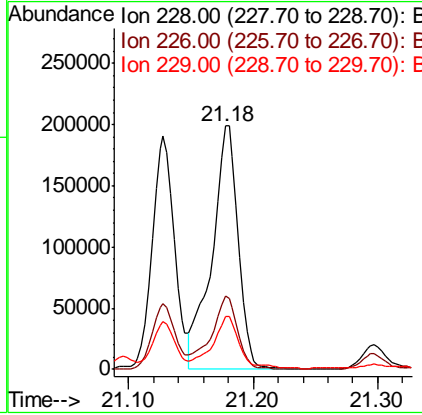
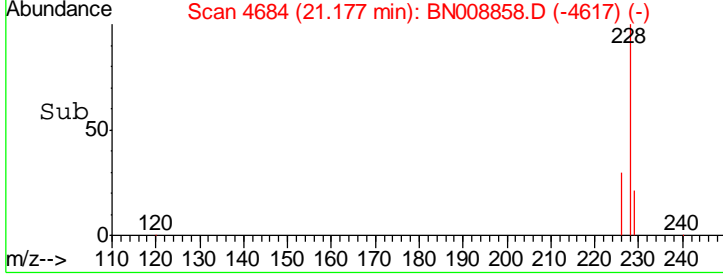
Instrument :  
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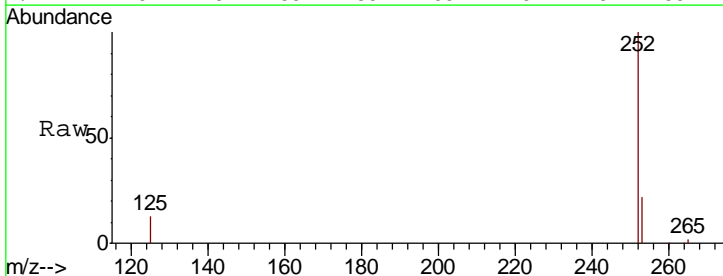
Tgt Ion: 228 Resp: 288963

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	21.5	15.6	23.4

Manual Integrations  
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 12/9/2019 3:07:24 PM

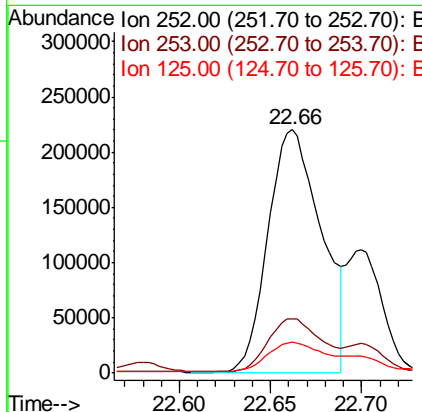
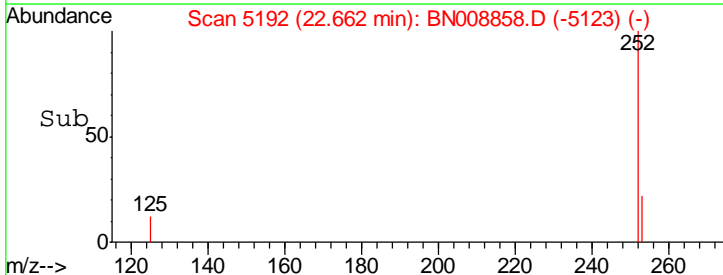


#21  
 Benzo(b)fluoranthene  
 Concen: 6.578 ng/ul m  
 RT: 22.66 min Scan# 5192  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

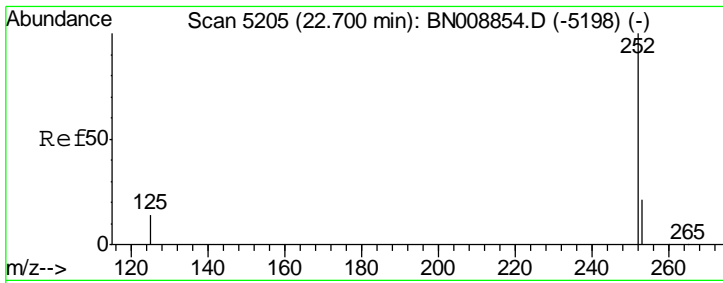


Tgt Ion: 252 Resp: 449476

Ion	Ratio	Lower	Upper
252	100		
253	22.4	0.0	48.6
125	12.6	0.0	31.6





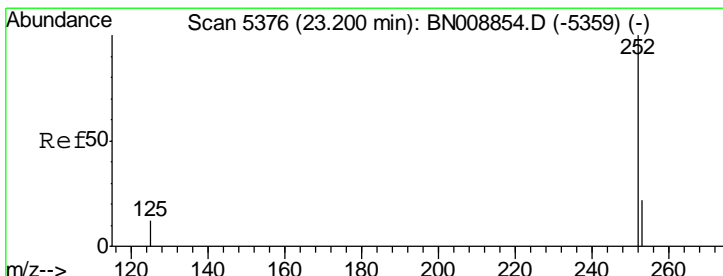
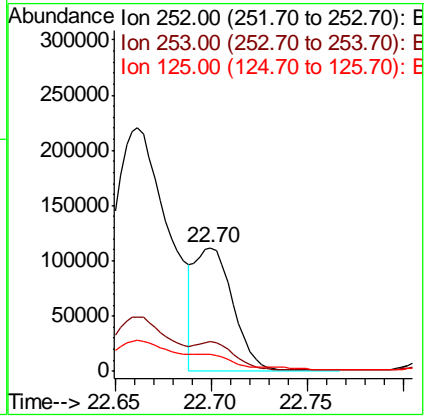
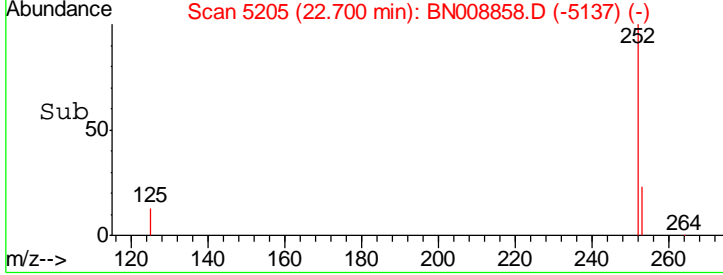
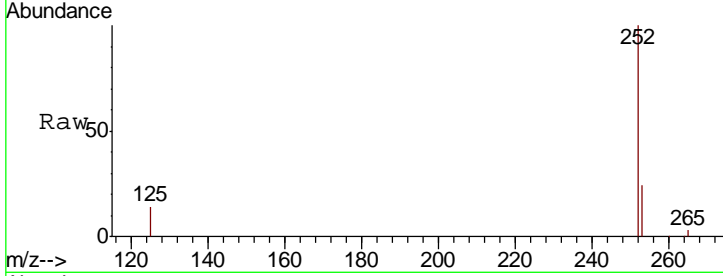


#22  
 Benzo(k)fluoranthene  
 Concen: 2.338 ng/ul m  
 RT: 22.70 min Scan# 5205  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

Instrument :  
 BNA\_N  
 ClientSampled :  
 COBLO

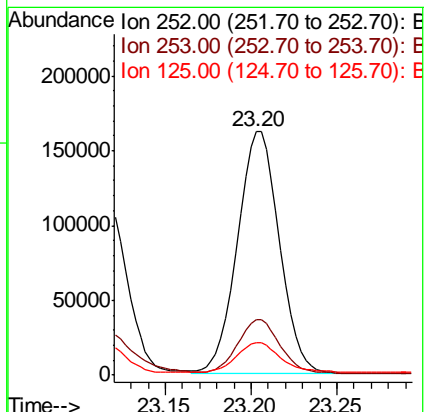
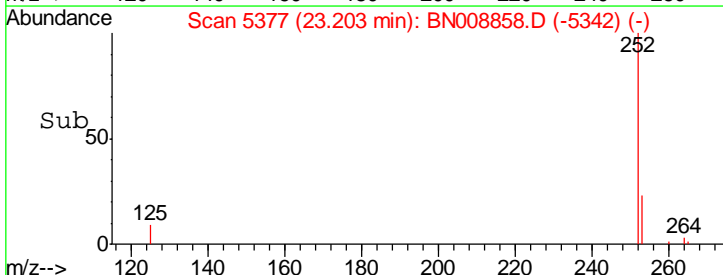
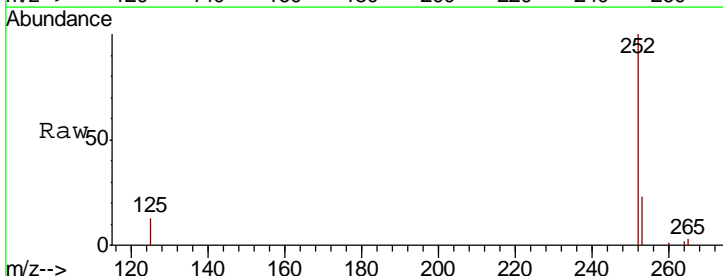
Tgt Ion	Resp	Lower	Upper
252	158413		
253	23.9	19.6	29.4
125	14.0	13.8	20.6

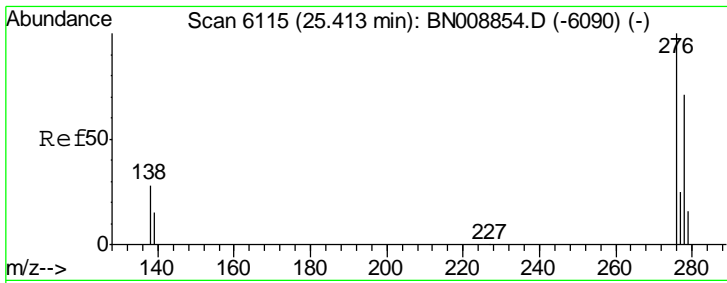
Manual Integrations  
**APPROVED**  
 mohammad  
 12/9/2019 3:07:24 PM



#23  
 Benzo(a)pyrene  
 Concen: 4.306 ng/ul m  
 RT: 23.20 min Scan# 5377  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

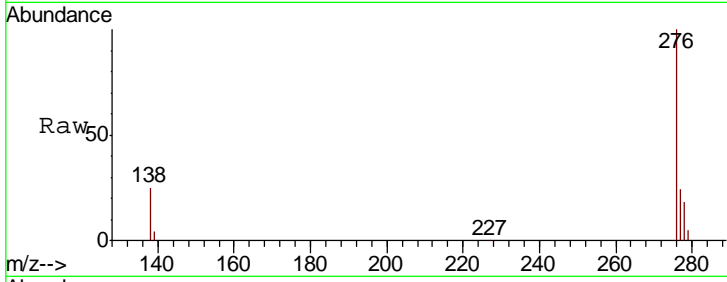
Tgt Ion	Resp	Lower	Upper
252	276194		
253	22.6	19.9	29.9
125	13.4	14.6	22.0#





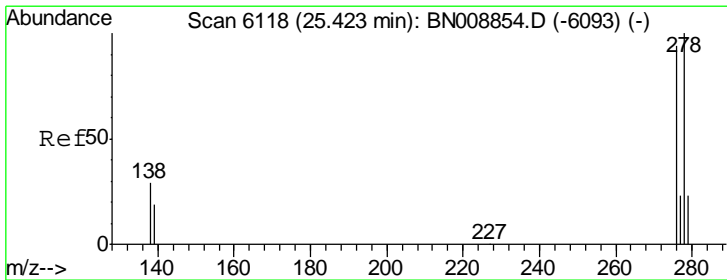
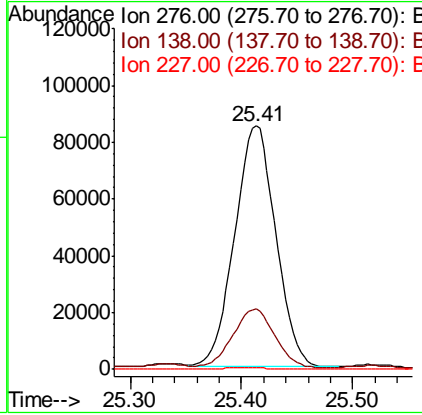
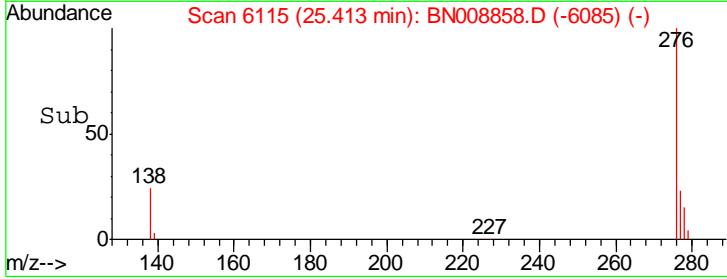
#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.919 ng/ul  
 RT: 25.41 min Scan# 6115  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 COBLO

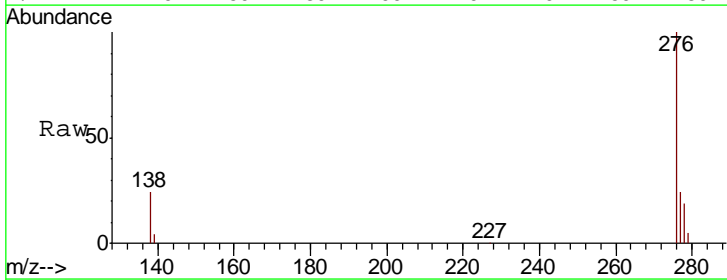


Tgt Ion	Resp	Lower	Upper
276	218928		
138	24.6	23.8	35.6
227	0.3	0.2	0.2#

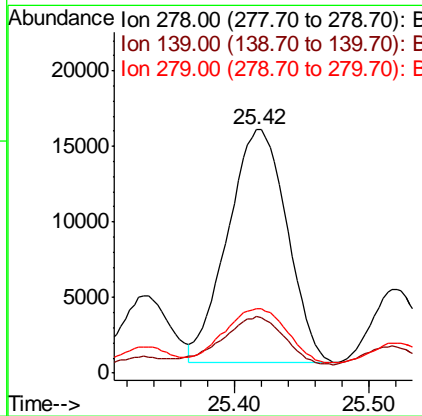
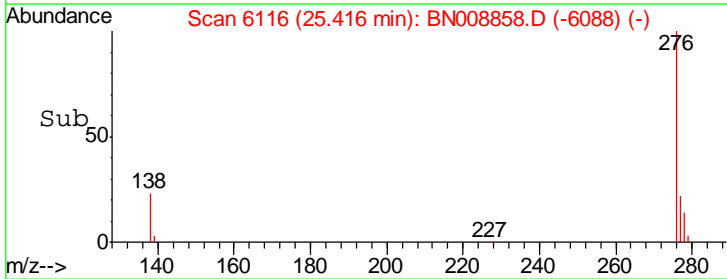
**Manual Integrations**  
**APPROVED**  
 mohammad  
 12/9/2019 3:07:24 PM

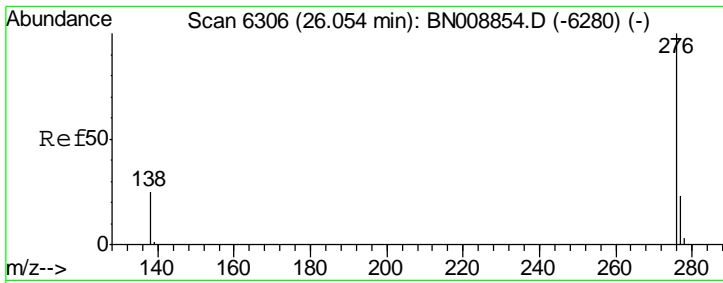


#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.777 ng/ul  
 RT: 25.42 min Scan# 6116  
 Delta R.T. -0.01 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15



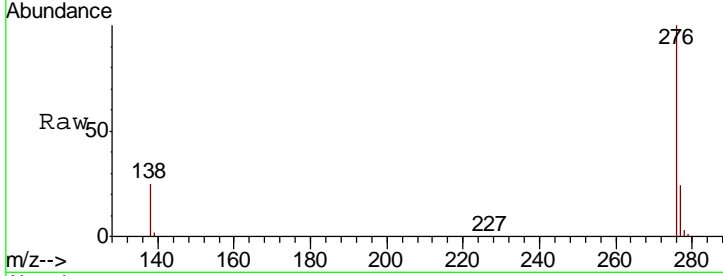
Tgt Ion	Resp	Lower	Upper
278	47070		
139	23.3	17.4	26.0
279	26.6	20.5	30.7





#26  
 Benzo(a,h,i)perylene  
 Concen: 3.449 ng/ul  
 RT: 26.06 min Scan# 6307  
 Delta R.T. 0.00 min  
 Lab File: BN008858.D  
 Acq: 06 Dec 2019 14:15

**Instrument :**  
 BNA\_N  
**ClientSampled :**  
 COBLO



Tot Ion: 276 Resp: 216392

Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.9	32.9
277	24.0	19.9	29.9

**Manual Integrations**  
**APPROVED**  
 mohammad  
 12/9/2019 3:07:24 PM

