

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\  
 Data File : BN009079.D  
 Acq On : 20 Dec 2019 22:14  
 Operator : JU  
 Sample : K6171-18DL 5X  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 C0BZ8DL

**Manual Integrations**  
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Quant Time: Dec 20 23:47:58 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 20 23:31:06 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3934	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14703	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7756	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	14544	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	8278	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8128	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.89	152	696	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	1180	0.03	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) Phenanthrene	16.95	178	21505	0.425	ng/ul	100
13) Anthracene	17.04	178	2397	0.053	ng/ul#	93
15) Fluoranthene	18.98	202	54693	0.946	ng/ul	100
17) Pyrene	19.34	202	43755	1.036	ng/ul	99
18) Benzo(a)anthracene	21.10	228	16017	0.436	ng/ul	98
19) Chrysene	21.15	228	20890	0.565	ng/ul	97
21) Benzo(b)fluoranthene	22.62	252	25583m	0.674	ng/ul	
22) Benzo(k)fluoranthene	22.66	252	9163m	0.239	ng/ul	
23) Benzo(a)pyrene	23.16	252	15348	0.461	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.35	276	11947	0.330	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	2685	0.093	ng/ul#	71
26) Benzo(g,h,i)perylene	25.98	276	12015	0.394	ng/ul	98

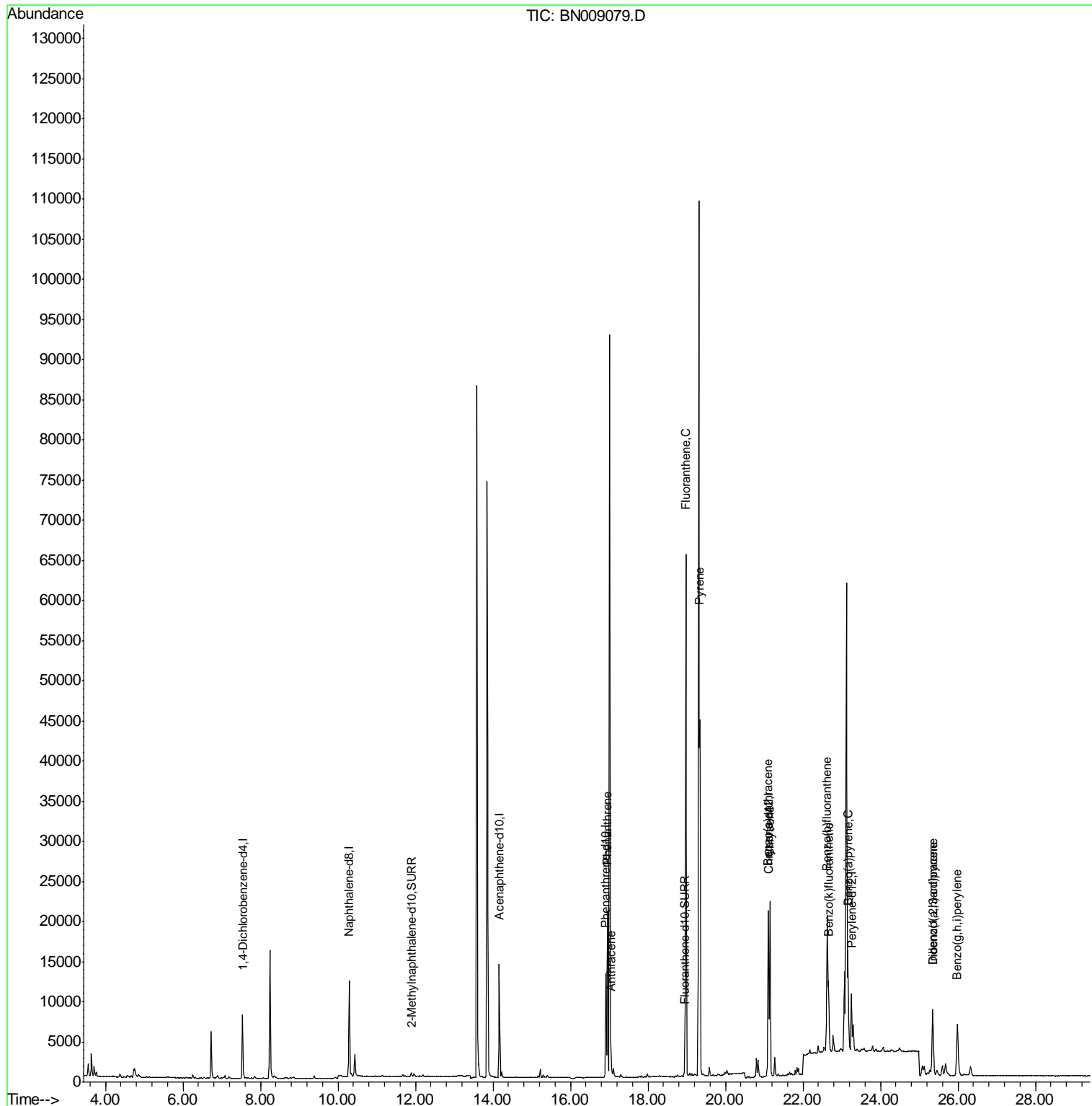
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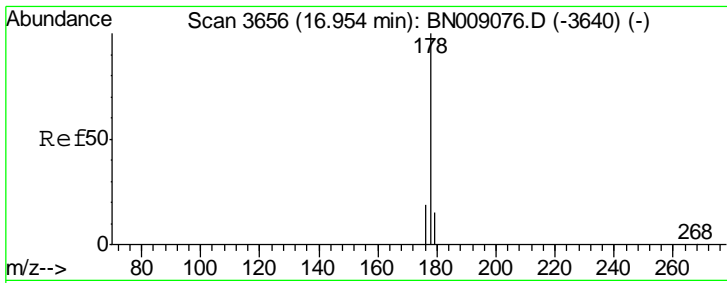
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\  
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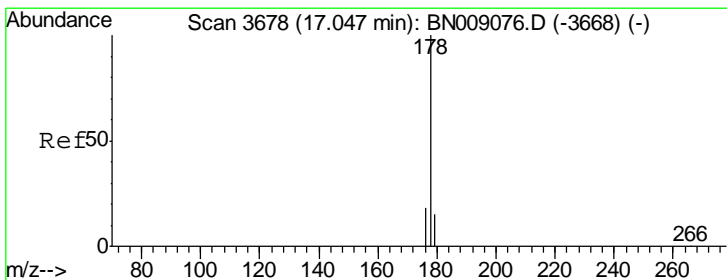
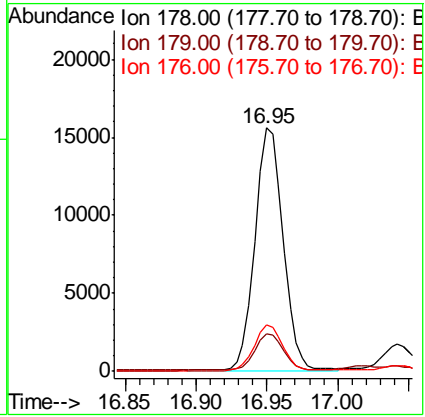
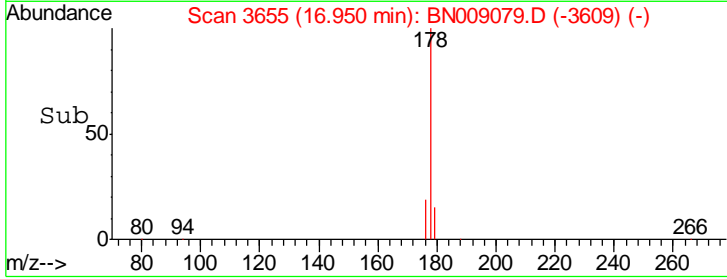
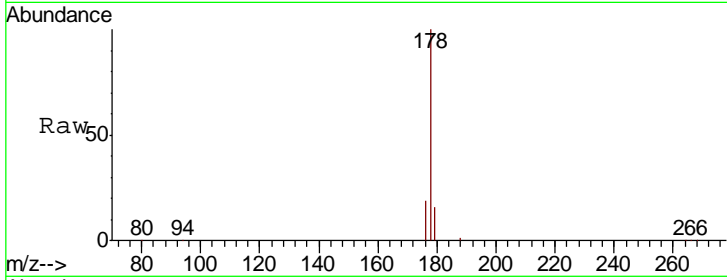


#12  
 Phenanthrene  
 Concen: 0.425 ng/ul  
 RT: 16.95 min Scan# 3655  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

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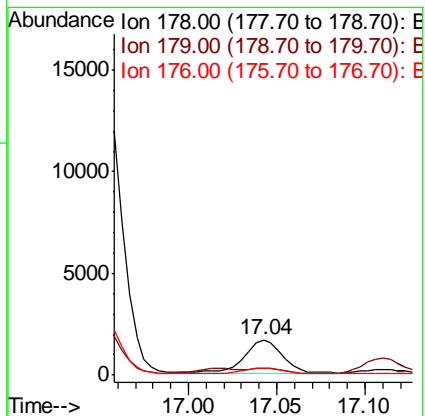
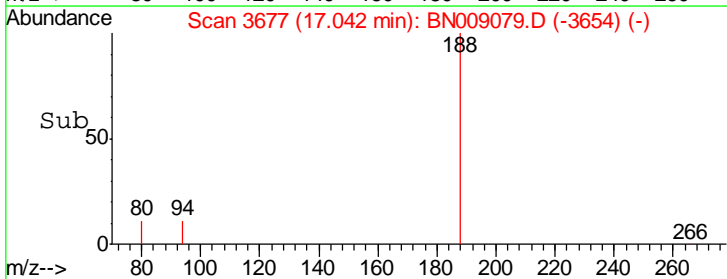
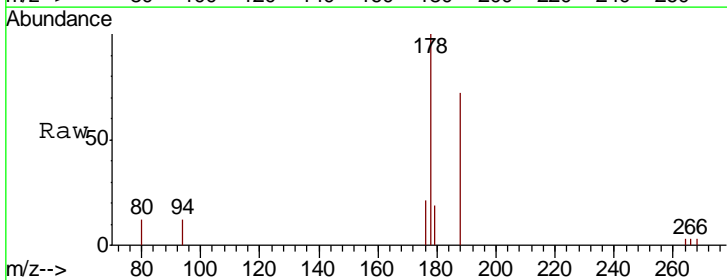
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.3	18.5
176	19.1	15.1	22.7

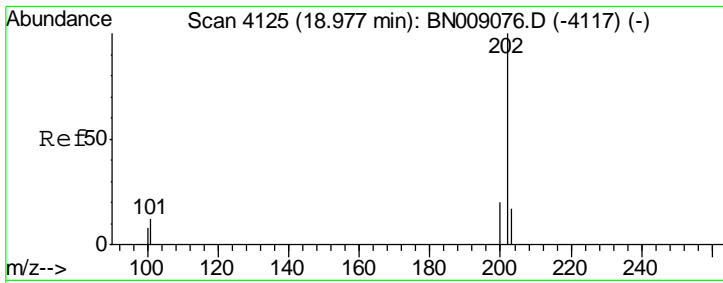
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#13  
 Anthracene  
 Concen: 0.053 ng/ul  
 RT: 17.04 min Scan# 3677  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.3	12.5	18.7#
176	20.8	14.9	22.3



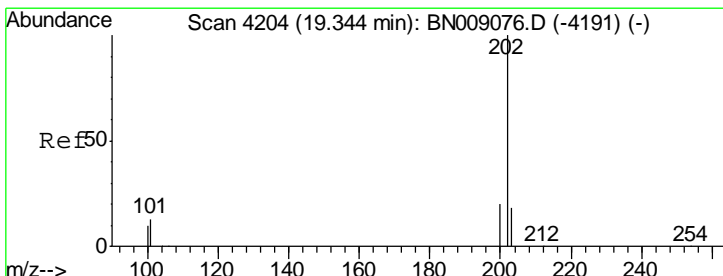
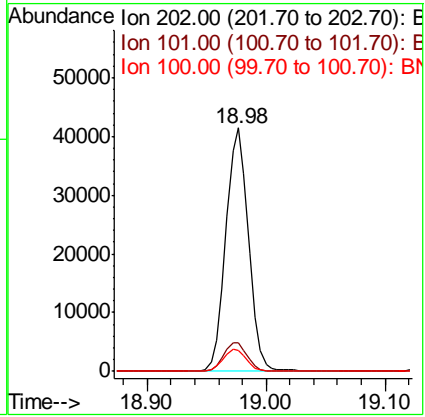
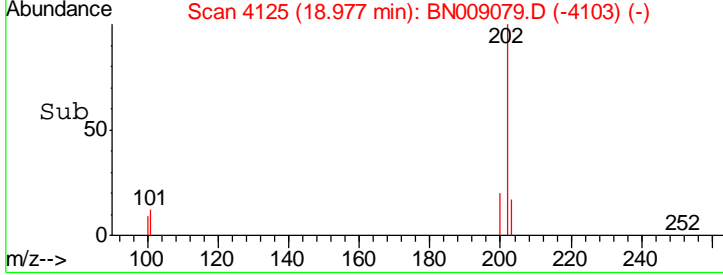
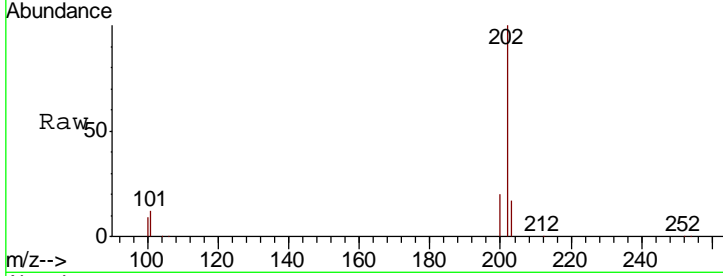


#15  
 Fluoranthene  
 Concen: 0.946 ng/ul  
 RT: 18.98 min Scan# 4125  
 Delta R.T. 0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

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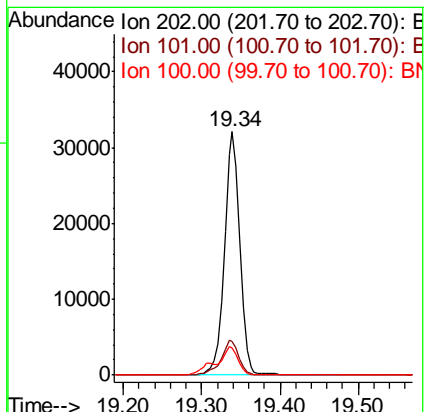
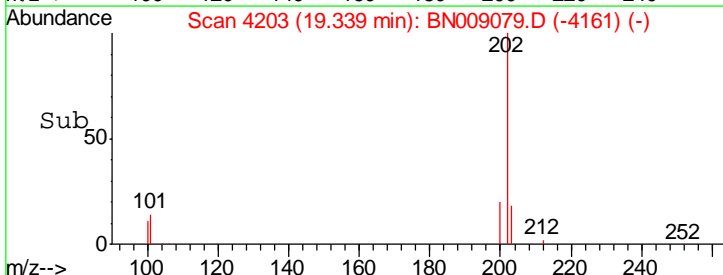
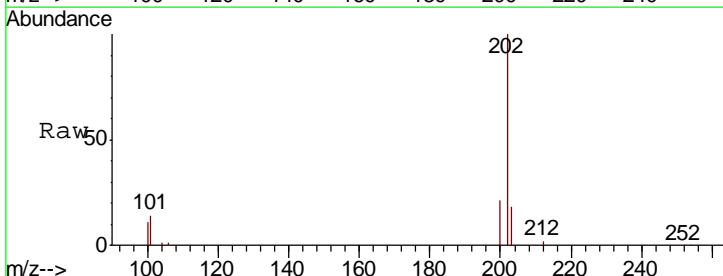
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.5
100	8.8	0.0	28.9

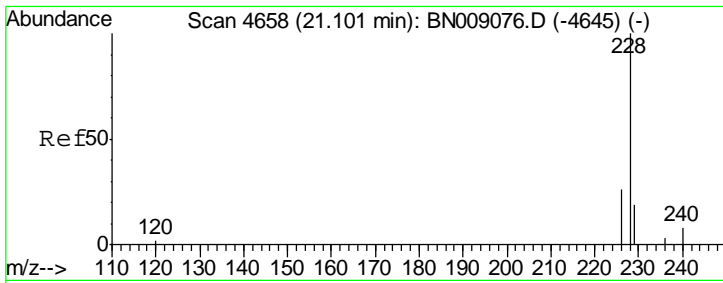
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#17  
 Pyrene  
 Concen: 1.036 ng/ul  
 RT: 19.34 min Scan# 4203  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

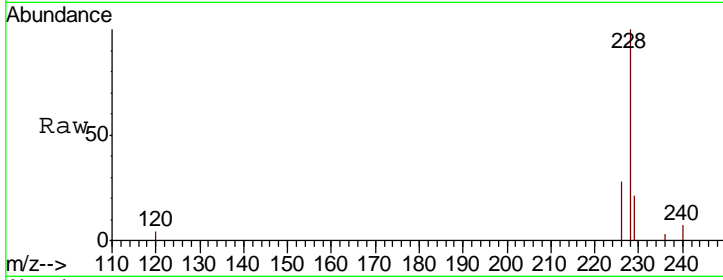
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.3	9.0	13.6





#18  
 Benzo(a)anthracene  
 Concen: 0.436 ng/ul  
 RT: 21.10 min Scan# 4657  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

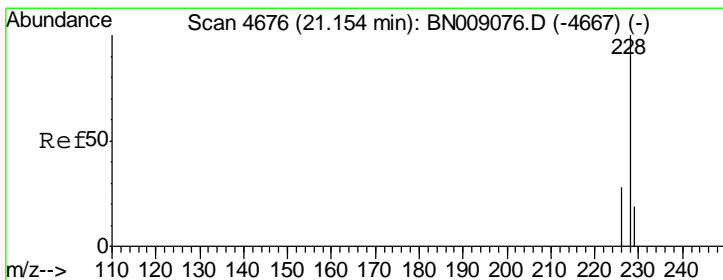
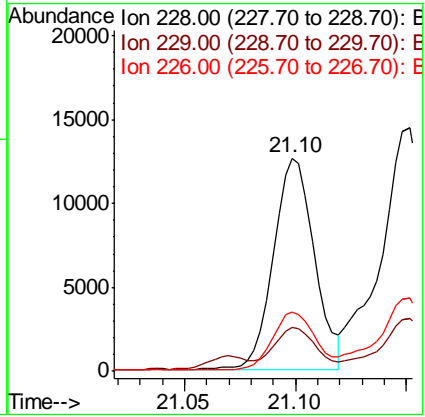
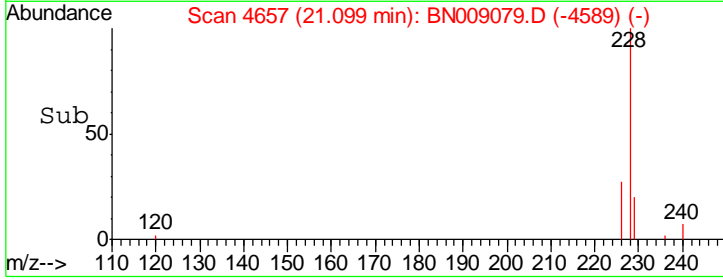
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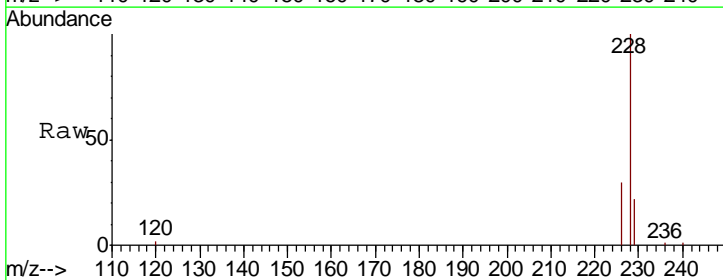
Tgt Ion: 228 Resp: 16017

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.5	23.3
226	27.8	21.7	32.5

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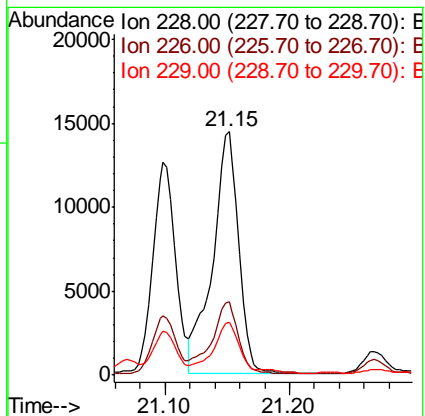
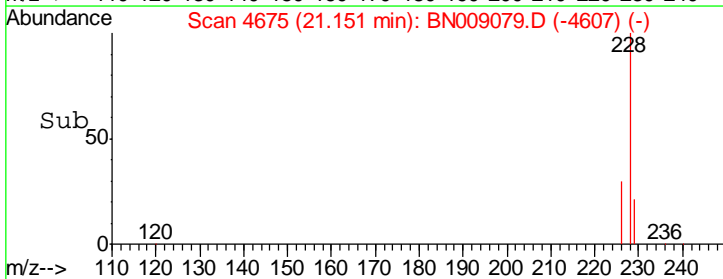


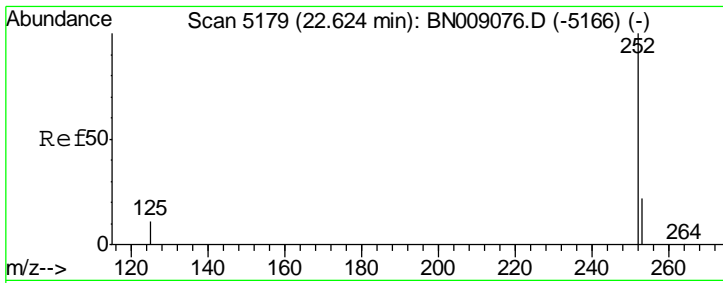
#19  
 Chrysene  
 Concen: 0.565 ng/ul  
 RT: 21.15 min Scan# 4675  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14



Tgt Ion: 228 Resp: 20890

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	21.8	15.4	23.0



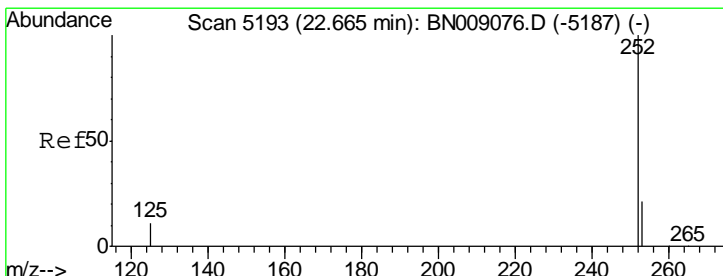
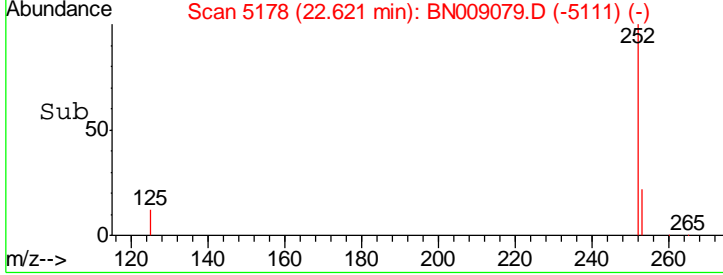
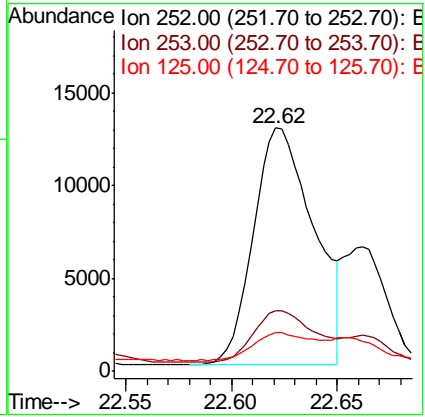
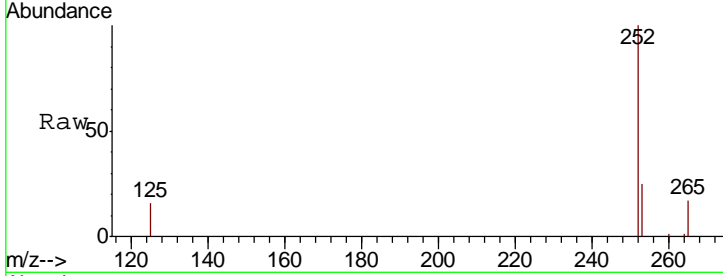


#21  
 Benzo(b)fluoranthene  
 Concen: 0.674 ng/ul m  
 RT: 22.62 min Scan# 5178  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

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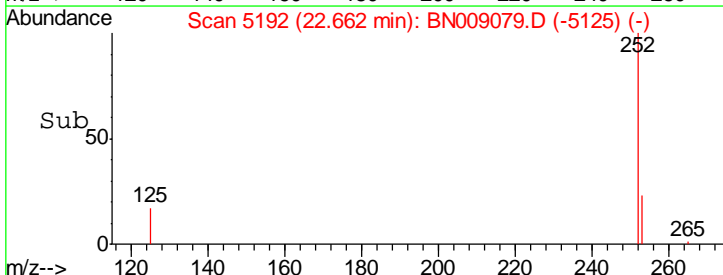
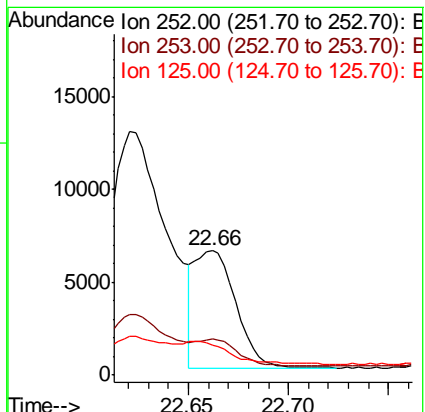
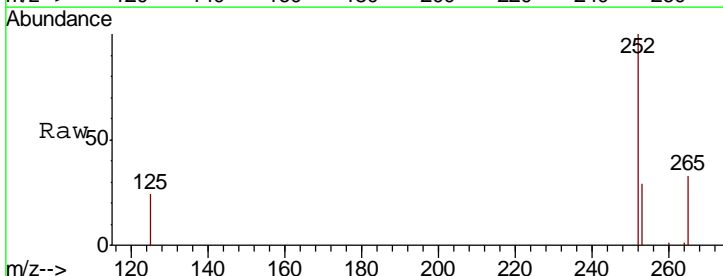
Tgt Ion	Resp	Lower	Upper
252	25583		
253	25.1	0.0	48.2
125	15.7	0.0	30.0

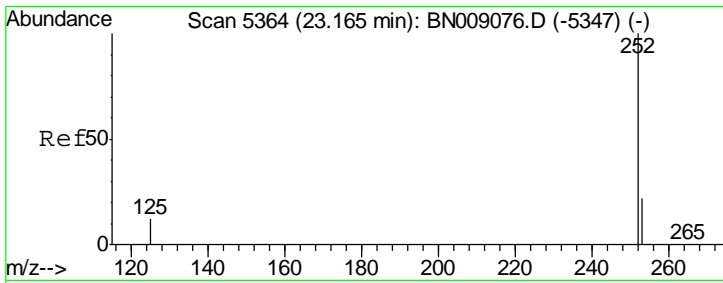
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#22  
 Benzo(k)fluoranthene  
 Concen: 0.239 ng/ul m  
 RT: 22.66 min Scan# 5192  
 Delta R.T. -0.00 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

Tgt Ion	Resp	Lower	Upper
252	9163		
253	28.9	19.4	29.0
125	24.4	12.4	18.6#



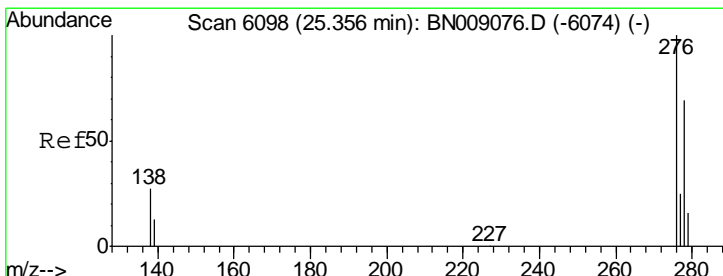
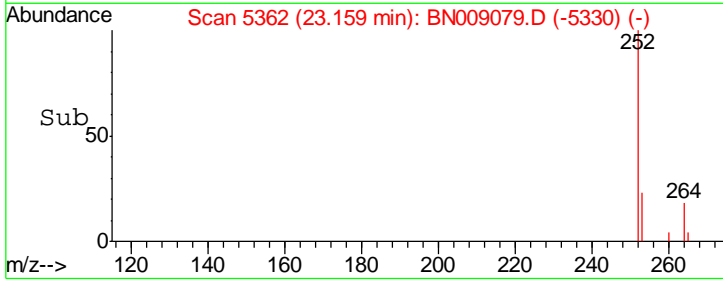
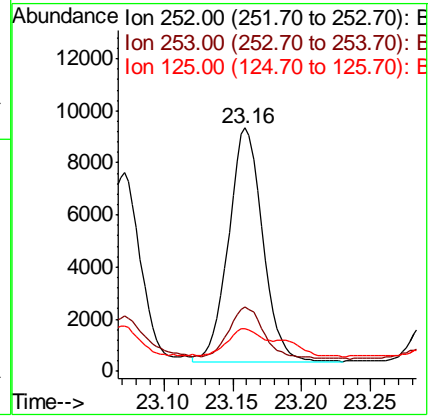
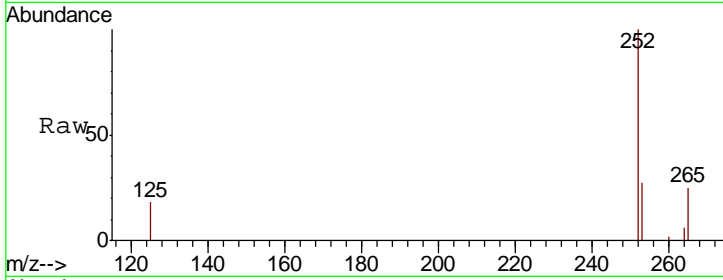


#23  
 Benzo(a)pyrene  
 Concen: 0.461 ng/ul  
 RT: 23.16 min Scan# 5362  
 Delta R.T. -0.01 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

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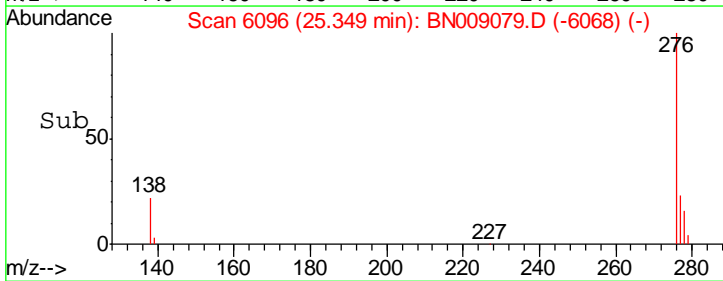
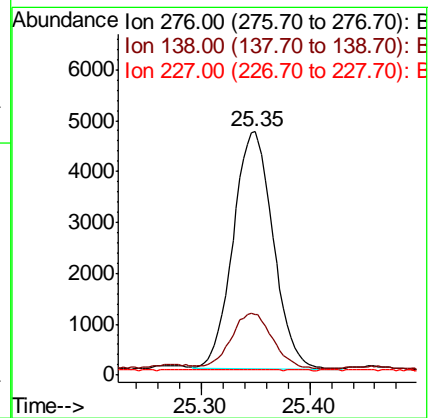
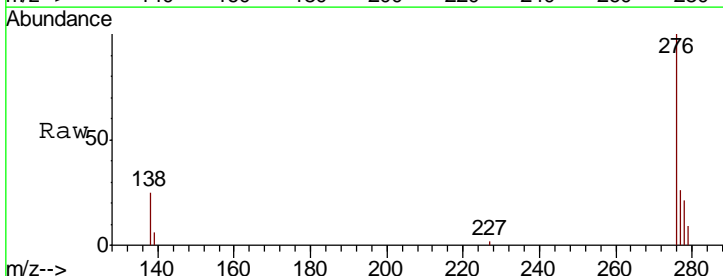
Tgt Ion	Resp	Lower	Upper
252	15348		
253	26.6	20.2	30.4
125	17.5	13.2	19.8

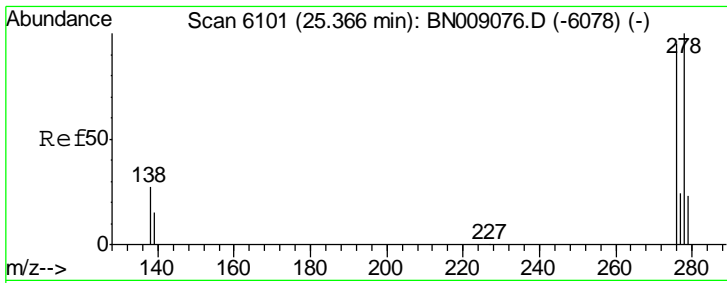
**Manual Integrations**  
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#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.330 ng/ul  
 RT: 25.35 min Scan# 6096  
 Delta R.T. -0.01 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

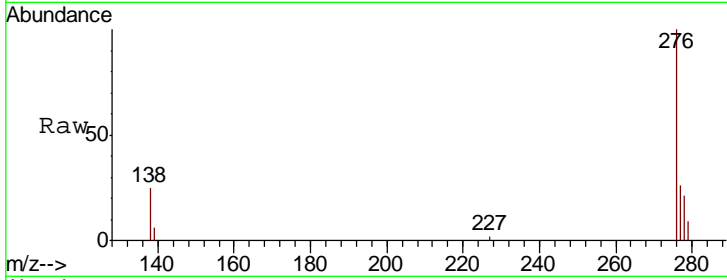
Tgt Ion	Resp	Lower	Upper
276	11947		
138	23.7	22.4	33.6
227	0.1	0.2	0.4#





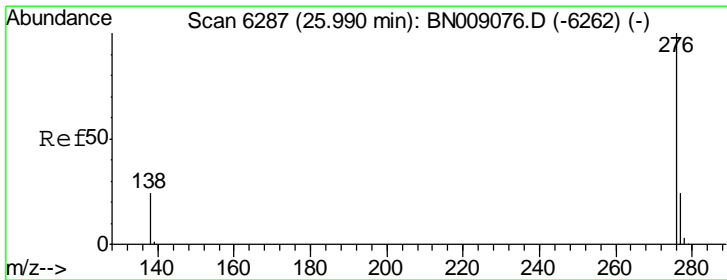
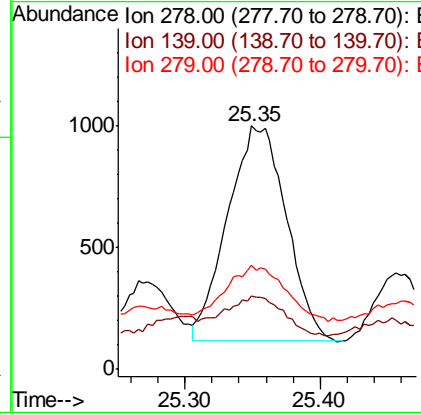
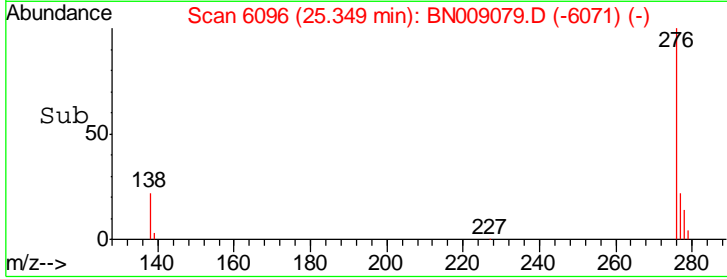
#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.093 ng/ul  
 RT: 25.35 min Scan# 6096  
 Delta R.T. -0.02 min  
 Lab File: BN009079.D  
 Acq: 20 Dec 2019 22:14

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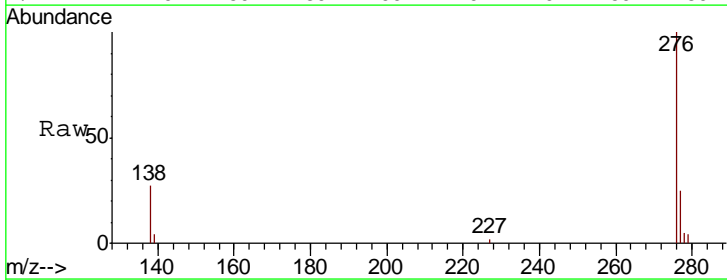


Tgt Ion	Resp	Lower	Upper
278	2685		
278	100		
139	30.3	16.2	24.2#
279	42.5	20.3	30.5#

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#26  
 Benzo(g,h,i)perylene  
 Concen: 0.394 ng/ul  
 RT: 25.98 min Scan# 6285  
 Delta R.T. -0.01 min  
 Lab File: BN009079.D  
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Tgt Ion	Resp	Lower	Upper
276	12015		
276	100		
138	26.5	20.6	30.8
277	25.2	19.6	29.4

