

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
 Data File : BN008677.D
 Acq On : 21 Nov 2019 01:07
 Operator : JU
 Sample : K5851-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AB4

Manual Integrations
 APPROVED

mohammad
 11/21/2019 1:06:43 PM

Quant Time: Nov 21 02:46:54 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 : Thu Nov 21 00:43:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3968	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	15169	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8722	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	17445	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13439	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	13556	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4448	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	9503	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	24349	0.532	ng/ul	99
5) 2-Methylnaphthalene	12.04	142	23009	0.721	ng/ul	100
7) Acenaphthylene	13.95	152	5607	0.116	ng/ul#	92
8) Acenaphthene	14.30	153	4634	0.129	ng/ul	99
9) Fluorene	15.29	166	6304	0.150	ng/ul#	92
12) Phenanthrene	17.02	178	113874	1.936	ng/ul	98
13) Anthracene	17.11	178	20888	0.376	ng/ul	99
15) Fluoranthene	19.04	202	202921	2.807	ng/ul	93
17) Pyrene	19.41	202	164861	3.058	ng/ul	99
18) Benzo(a)anthracene	21.16	228	84753	1.568	ng/ul	97
19) Chrysene	21.21	228	93685	1.765	ng/ul	97
21) Benzo(b)fluoranthene	22.70	252	120719m	2.160	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	40546m	0.731	ng/ul	
23) Benzo(a)pyrene	23.25	252	75105	1.431	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.49	276	55370	0.902	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.49	278	13703	0.276	ng/ul#	63
26) Benzo(a,h,i)perylene	26.13	276	55470	1.081	ng/ul	95

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

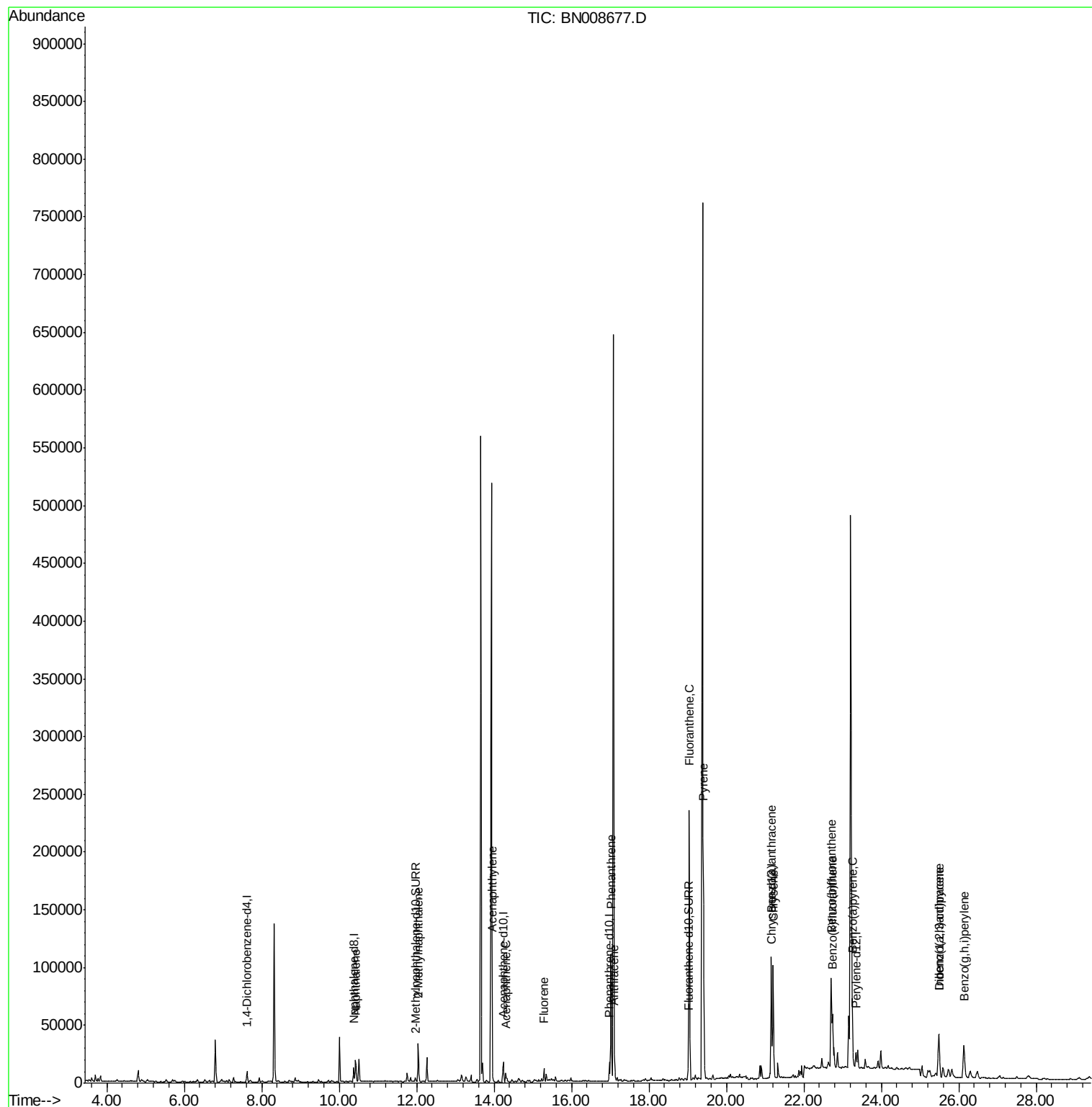
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112019\
Data File : BN008677.D
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Operator : JU
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ALS Vial : 25 Sample Multiplier: 1

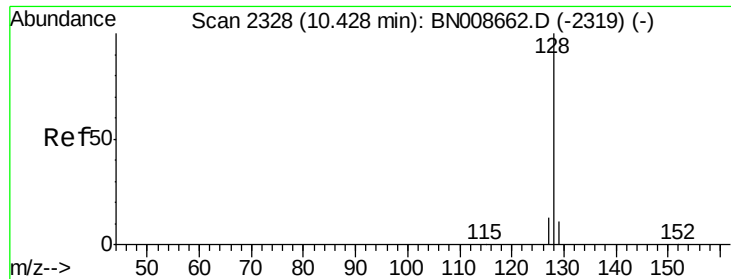
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
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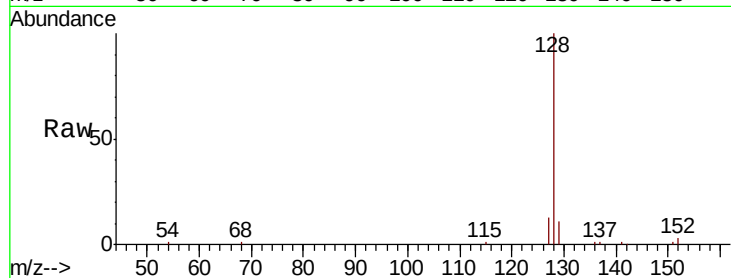
#3
Naphthalene
Concen: 0.532 ng/ul
RT: 10.42 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Instrument :
BNA_N
ClientSampleId :
C0AB4

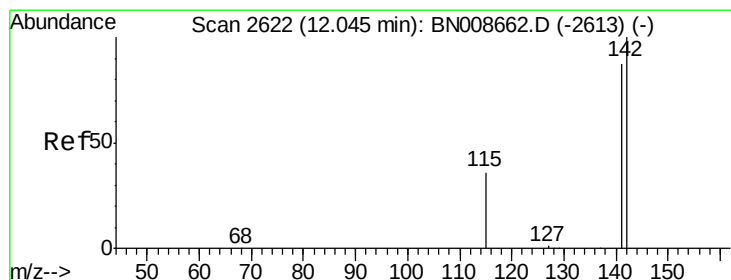
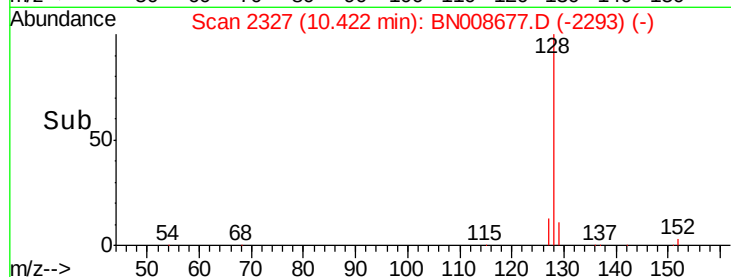
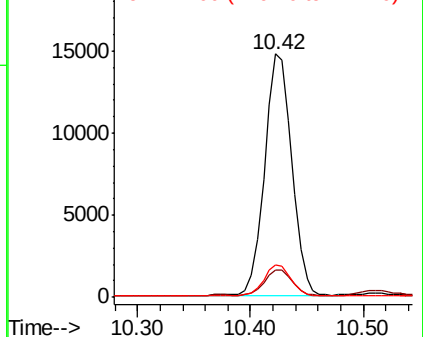
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.7	14.5
127	13.4	10.8	16.2

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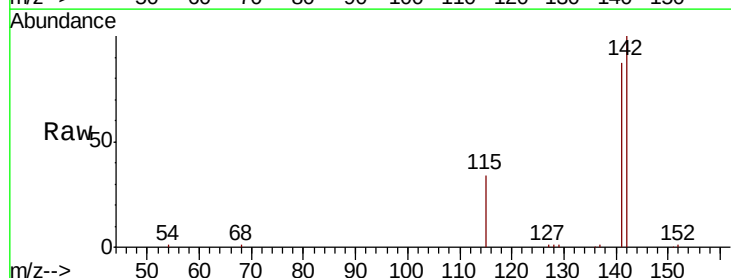


Abundance Ion 128.00 (127.70 to 128.70): E
20000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

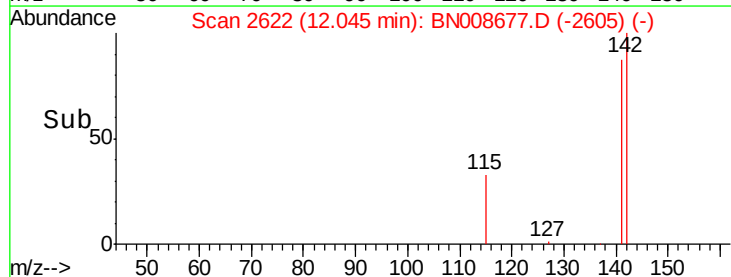
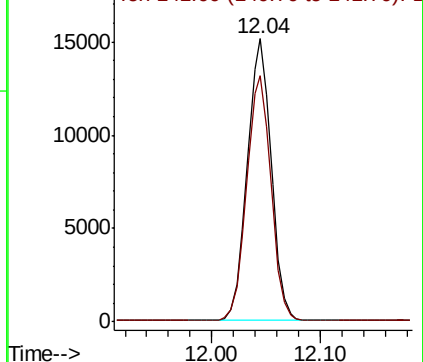


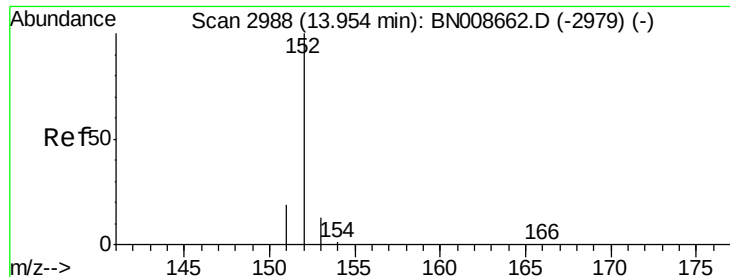
#5
2-Methylnaphthalene
Concen: 0.721 ng/ul
RT: 12.04 min Scan# 2622
Delta R.T. -0.01 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.5	105.7



Abundance Ion 142.00 (141.70 to 142.70): E
15000
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.116 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

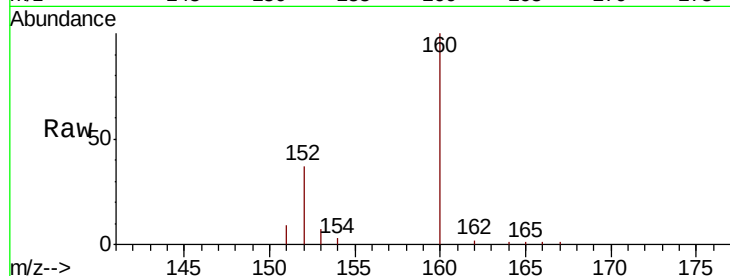
ClientSampleId :

C0AB4

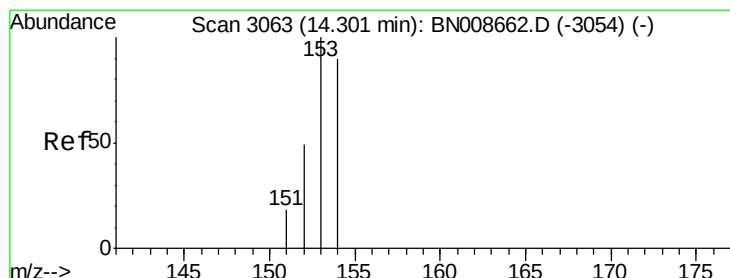
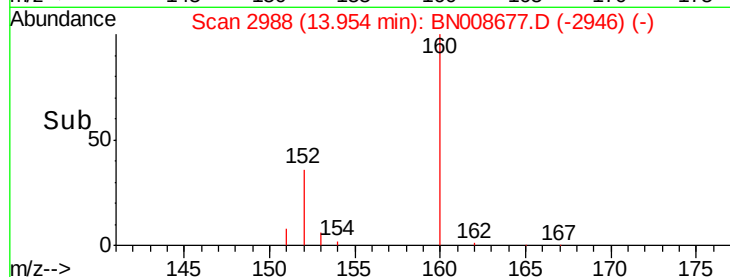
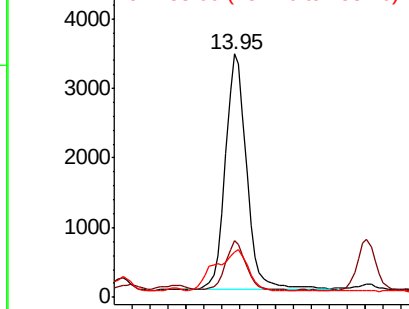
Tot Ion:	152	Resp:	5607
Ion Ratio	Lower	Upper	
152	100		
151	23.2	16.6	24.8
153	18.5	11.1	16.7#

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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: 0.129 ng/ul

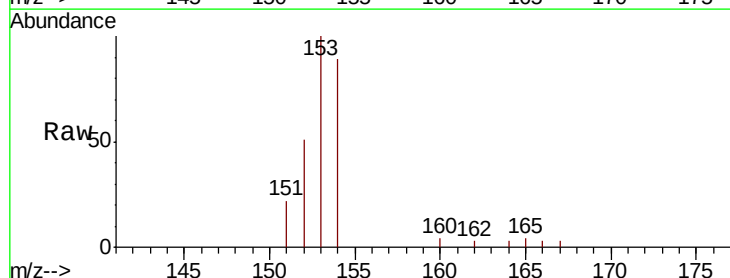
RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

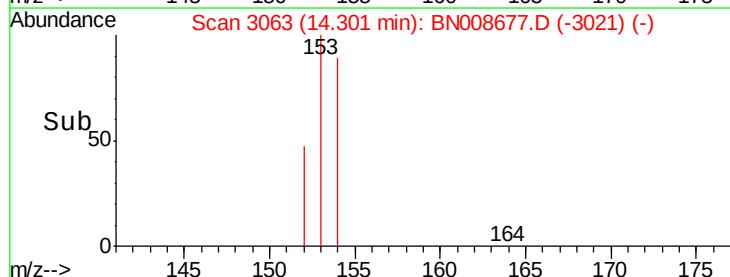
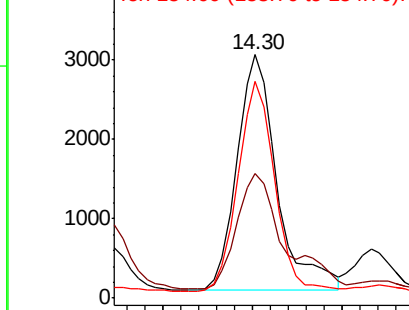
Lab File: BN008677.D

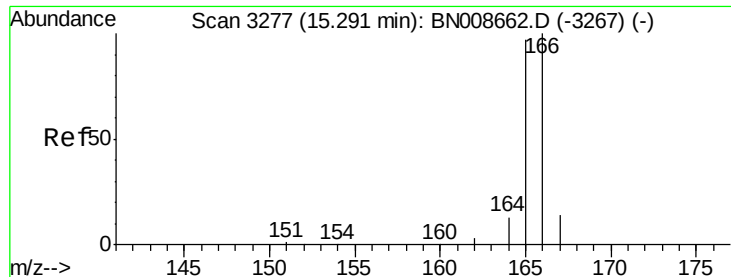
Acq: 21 Nov 2019 01:07

Tgt Ion:	153	Resp:	4634
Ion Ratio	Lower	Upper	
153	100		
152	51.3	39.6	59.4
154	88.8	70.6	106.0



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: 0.150 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

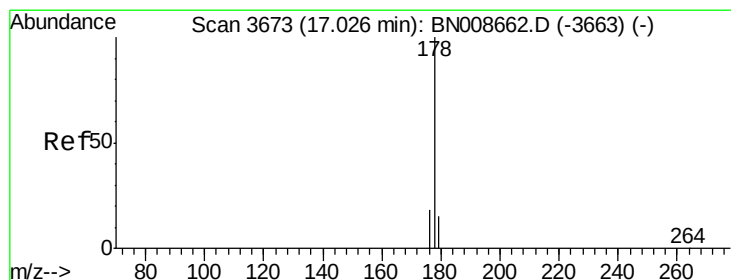
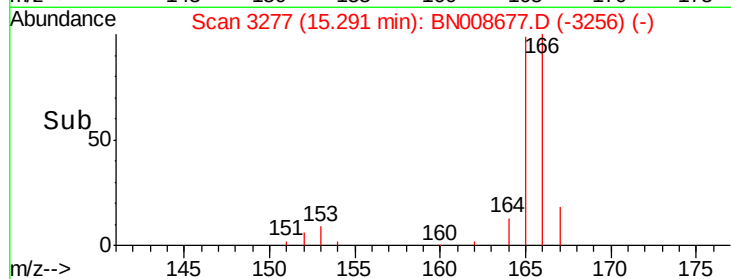
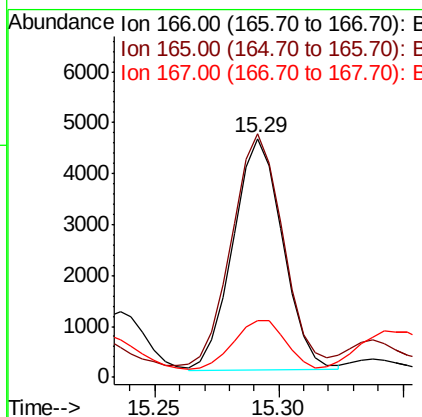
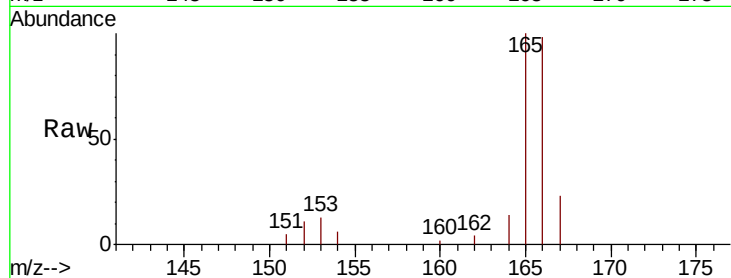
ClientSampled :

C0AB4

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	102.1	77.4	116.0	
167	23.7	11.4	17.0	

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#12

Phenanthrene

Concen: 1.936 ng/ul

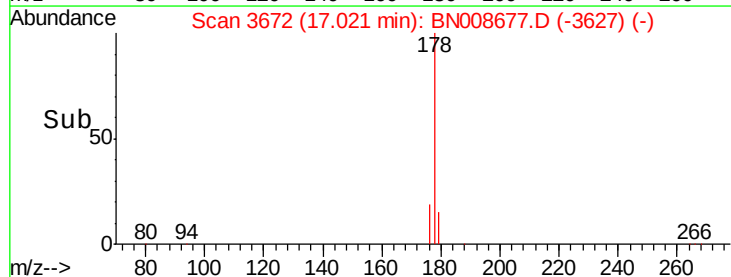
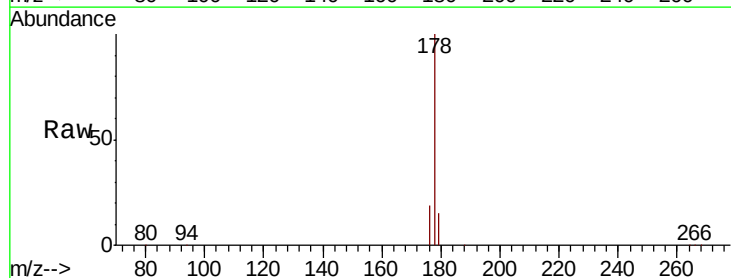
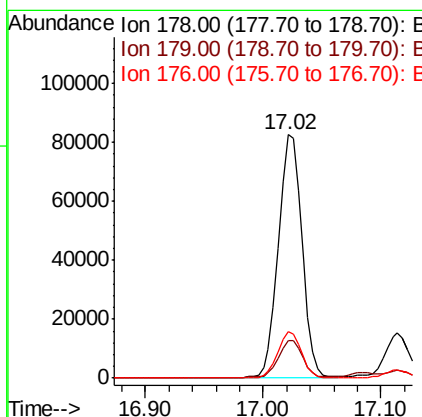
RT: 17.02 min Scan# 3672

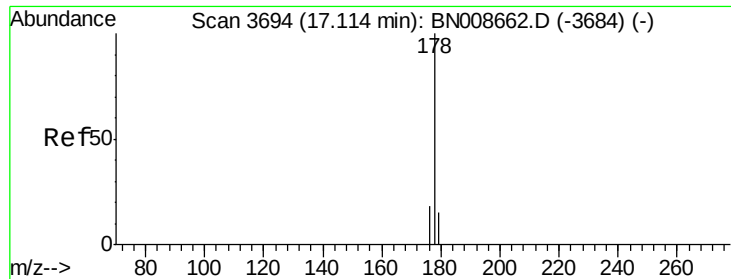
Delta R.T. -0.01 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
179	15.5	12.8	19.2	
176	19.0	16.0	24.0	





#13

Anthracene

Concen: 0.376 ng/ul

RT: 17.11 min Scan# 3694

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampled :

C0AB4

Tot Ion:178 Resp: 20888

Ion Ratio Lower Upper

178 100

179 17.1 13.0 19.4

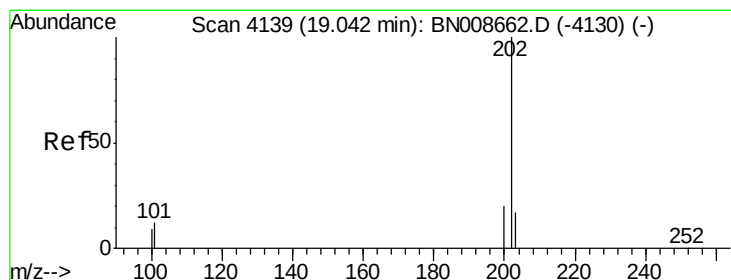
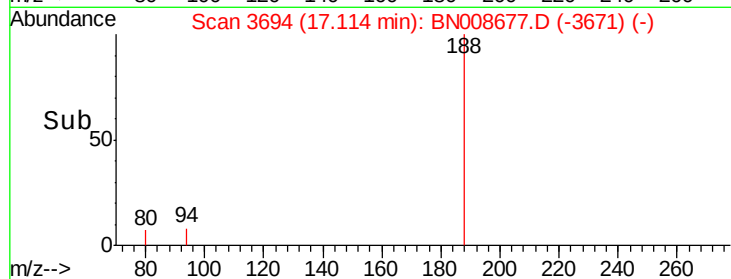
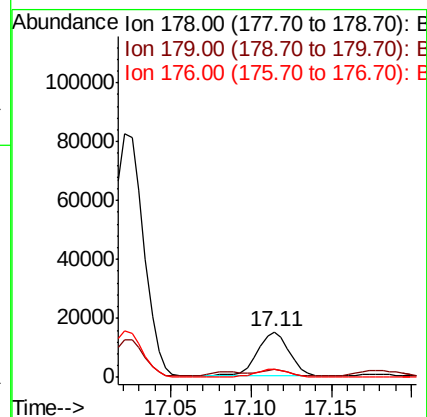
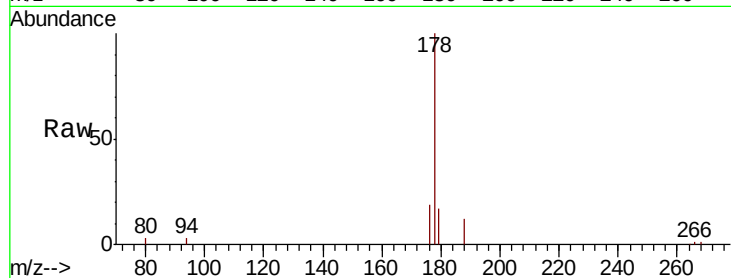
176 18.8 15.3 22.9

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#15

Fluoranthene

Concen: 2.807 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.01 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

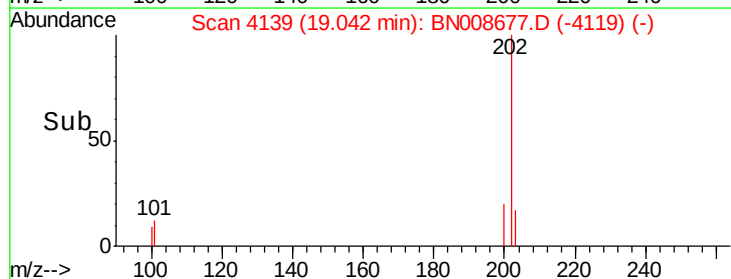
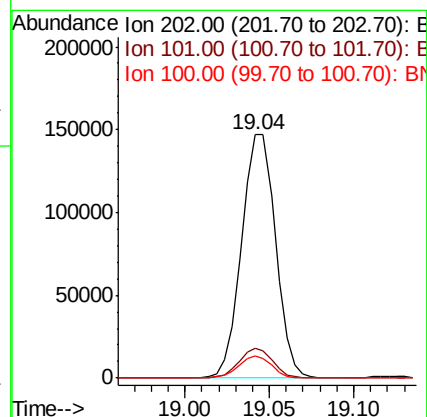
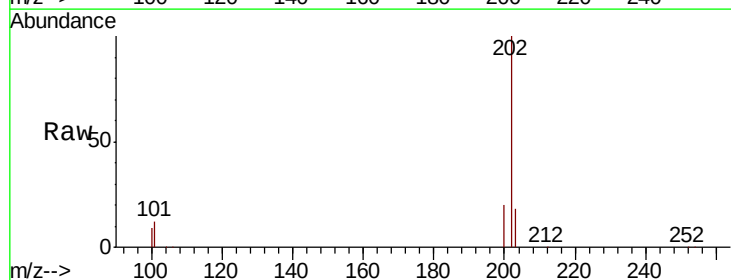
Tgt Ion:202 Resp: 202921

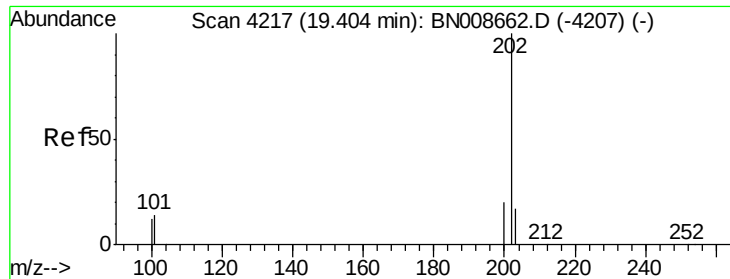
Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.6

100 9.3 0.0 27.0





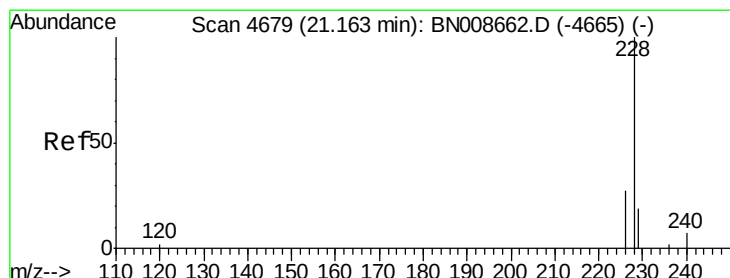
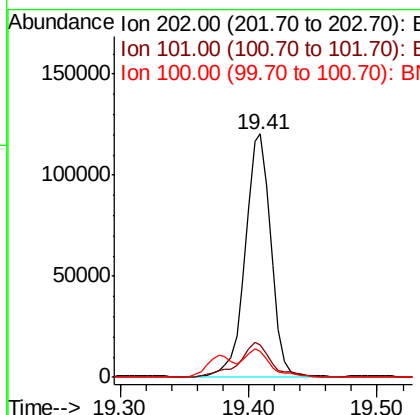
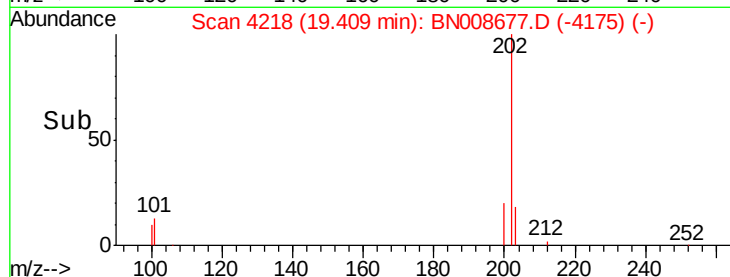
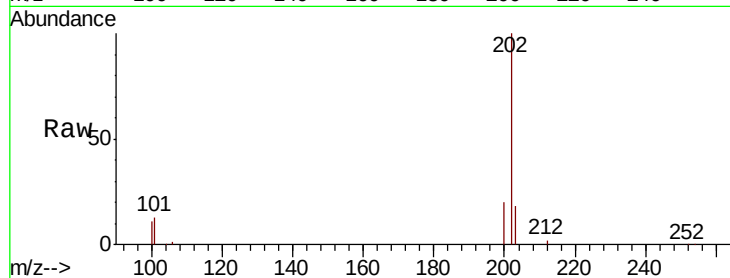
#17
Pvrene
Concen: 3.058 ng/ul
RT: 19.41 min Scan# 4218
Delta R.T. 0.00 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Instrument :
BNA_N
ClientSampled :
C0AB4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.2	10.2	15.2
100	10.5	8.2	12.2

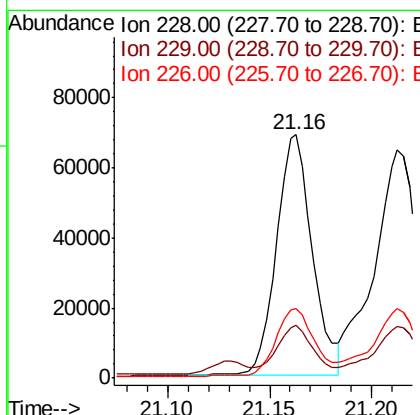
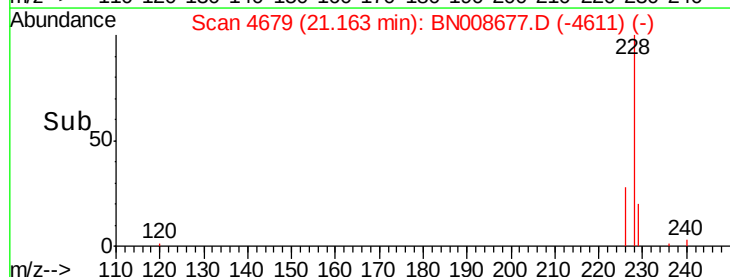
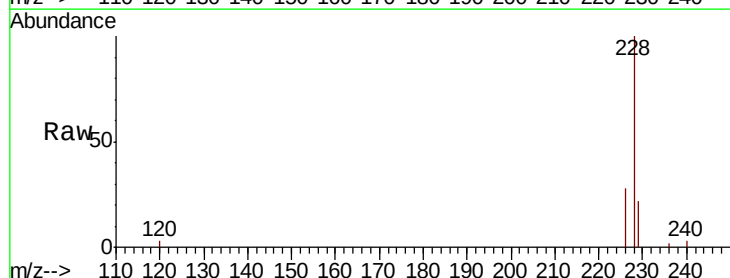
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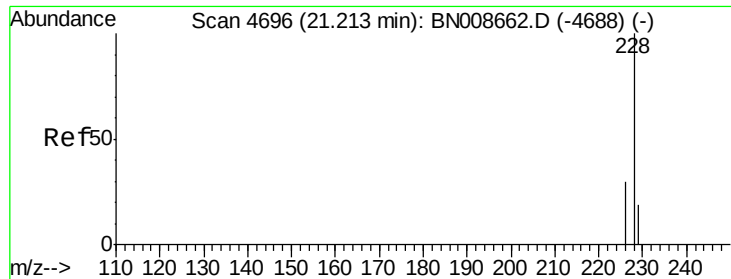
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#18
Benzo(a)anthracene
Concen: 1.568 ng/ul
RT: 21.16 min Scan# 4679
Delta R.T. -0.00 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.6	15.8	23.6
226	28.5	21.6	32.4





#19

Chrysene

Concen: 1.765 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

ClientSampleId :

C0AB4

Tot Ion:228 Resp: 93685

Ion Ratio Lower Upper

228 100

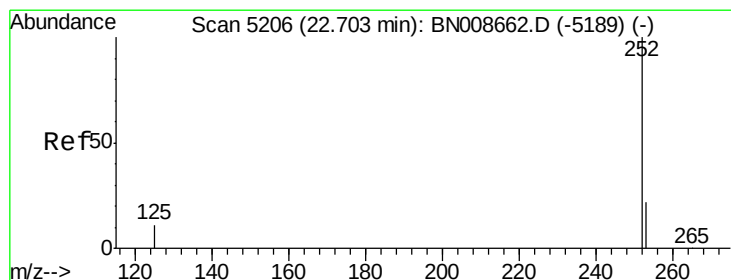
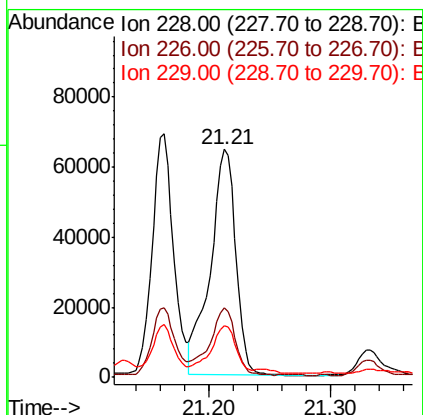
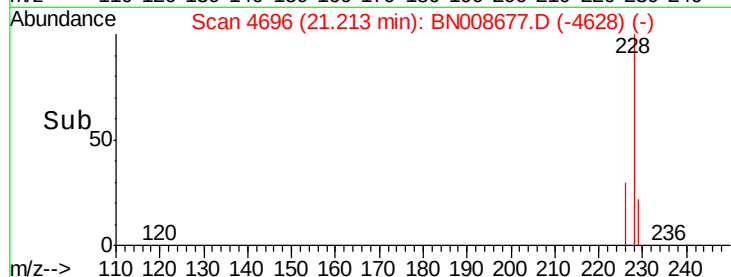
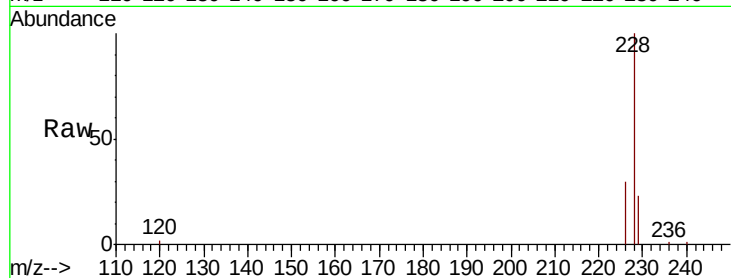
226 30.4 24.5 36.7

229 22.8 15.5 23.3

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#21

Benzo(b)fluoranthene

Concen: 2.160 ng/ul m

RT: 22.70 min Scan# 5206

Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

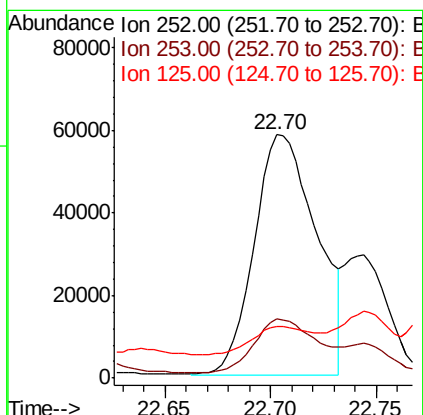
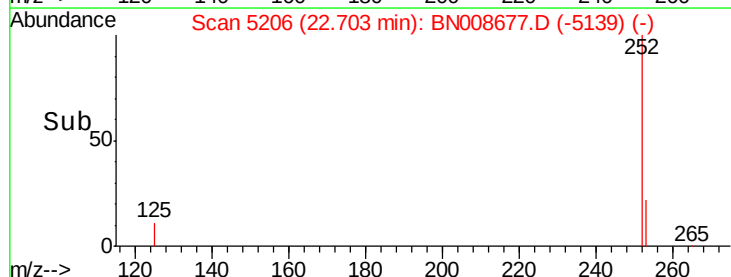
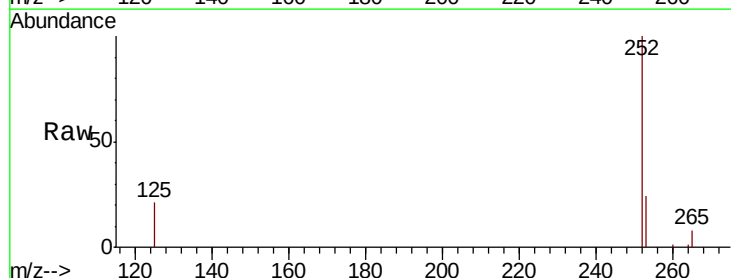
Tgt Ion:252 Resp: 120719

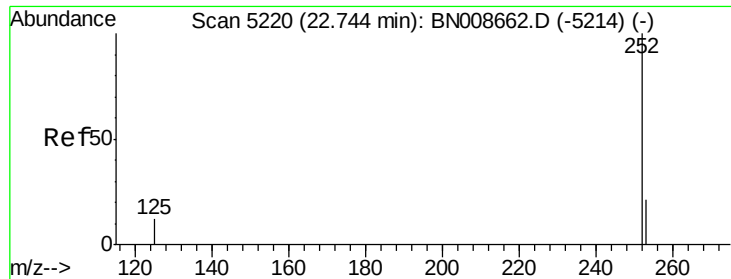
Ion Ratio Lower Upper

252 100

253 24.2 0.0 50.2

125 21.3 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 0.731 ng/ul m

RT: 22.74 min Scan# 5220

Delta R.T. -0.01 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Instrument :

BNA_N

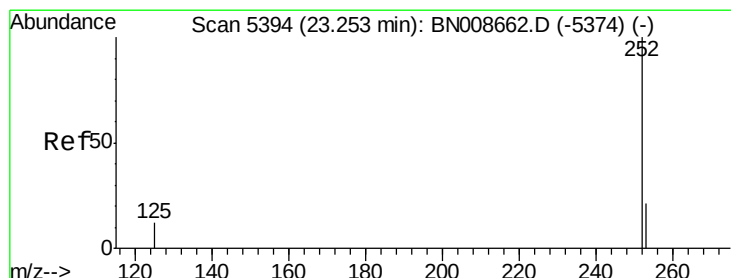
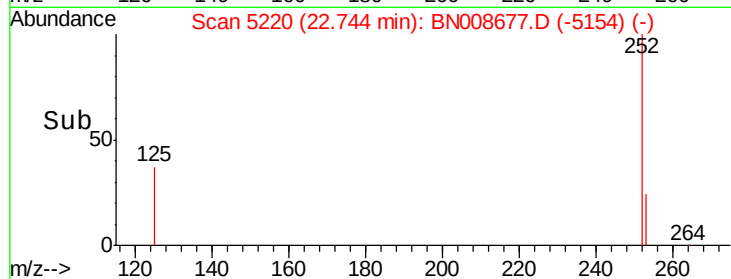
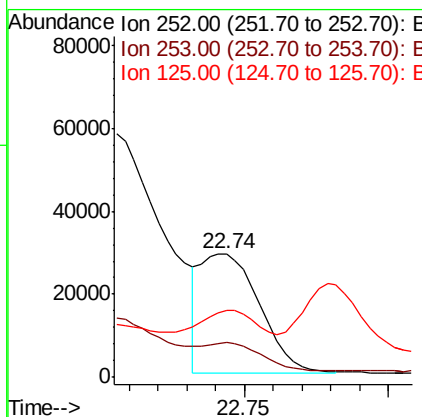
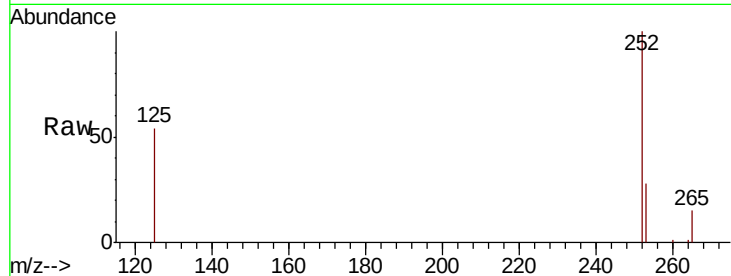
ClientSampleId :

C0AB4

Tot Ion:	252	Resp:	40546
Ion Ratio	Lower	Upper	
252	100		
253	28.0	20.5	30.7
125	54.1	15.0	22.4#

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#23

Benzo(a)pyrene

Concen: 1.431 ng/ul

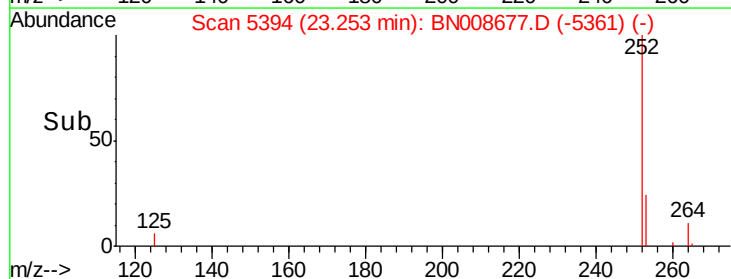
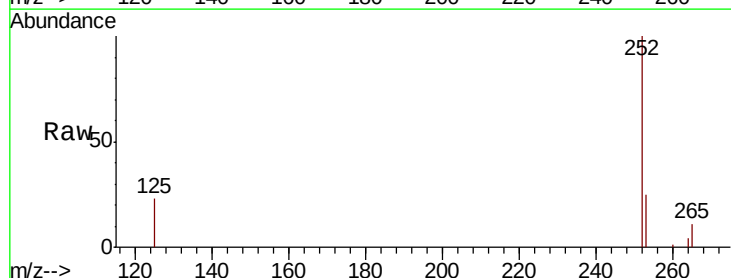
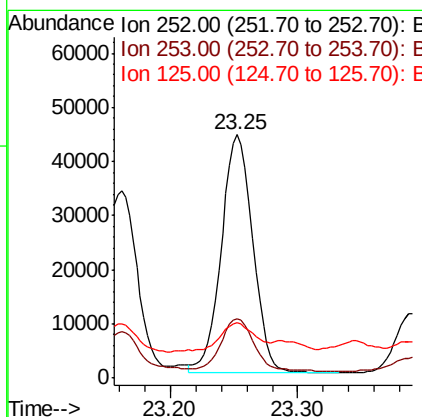
RT: 23.25 min Scan# 5394

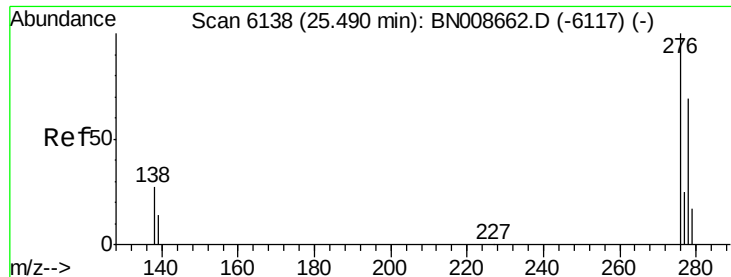
Delta R.T. -0.00 min

Lab File: BN008677.D

Acq: 21 Nov 2019 01:07

Tgt Ion:	252	Resp:	75105
Ion Ratio	Lower	Upper	
252	100		
253	24.6	21.4	32.2
125	23.0	13.8	20.8#





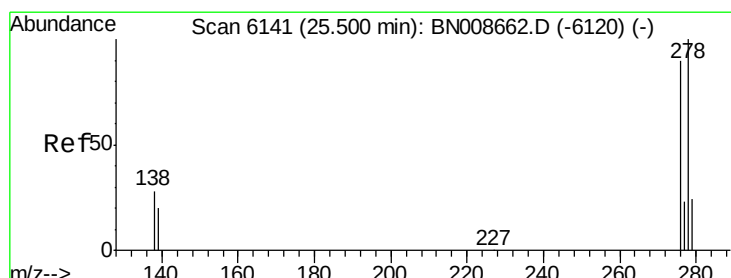
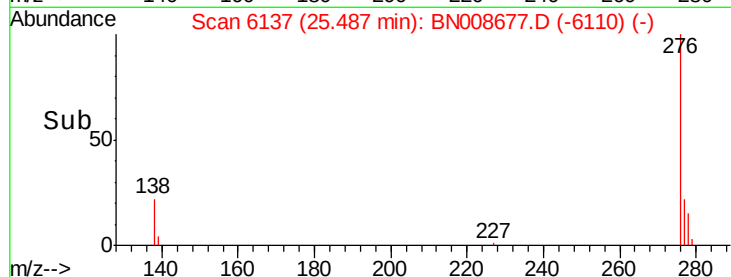
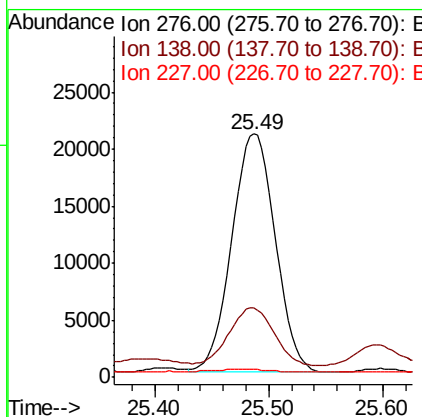
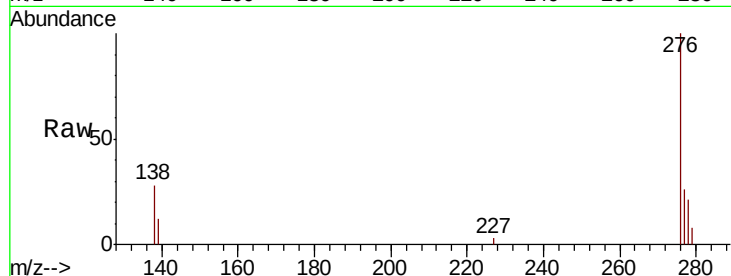
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.902 ng/ul
 RT: 25.49 min Scan# 6137
 Delta R.T. -0.01 min
 Lab File: BN008677.D
 Acq: 21 Nov 2019 01:07

Instrument :
 BNA_N
 ClientSampleId :
 C0AB4

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	21.7	32.5
227	1.4	0.2	0.2#

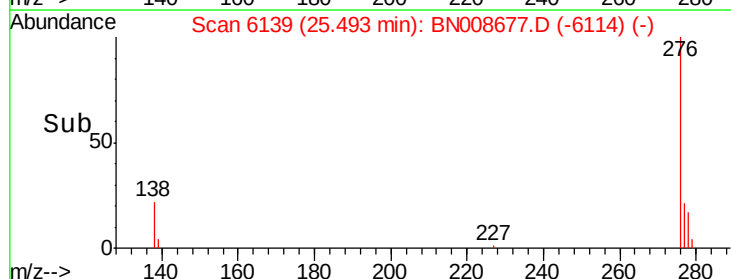
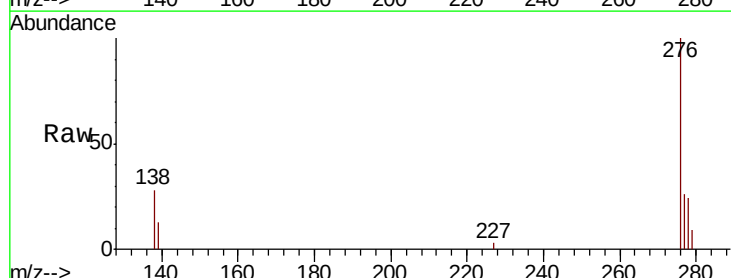
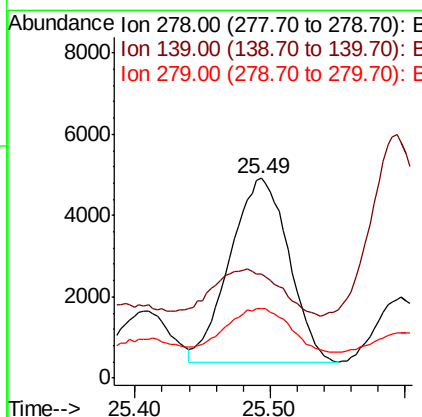
Manual Integrations
 APPROVED

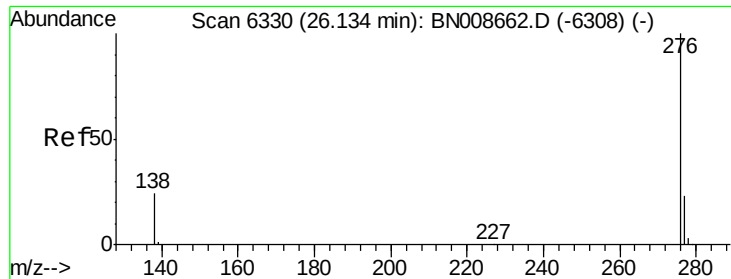
mohammad
 11/21/2019 1:06:43 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.276 ng/ul
 RT: 25.49 min Scan# 6139
 Delta R.T. -0.02 min
 Lab File: BN008677.D
 Acq: 21 Nov 2019 01:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	52.4	18.7	28.1#
279	34.8	20.8	31.2#





#26
Benzo(a,h,i)perylene
Concen: 1.081 ng/ul
RT: 26.13 min Scan# 6330
Delta R.T. -0.01 min
Lab File: BN008677.D
Acq: 21 Nov 2019 01:07

Instrument :
BNA_N
ClientSampleId :
C0AB4

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	20.0	30.0
277	25.8	20.0	30.0

Manual Integrations
APPROVED

mohammad
11/21/2019 1:06:43 PM

