

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121619\
 Data File : BN009004.D
 Acq On : 16 Dec 2019 18:30
 Operator : JU
 Sample : K6089-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0BR2

Manual Integrations
 APPROVED

mohammad
 12/17/2019 5:35:03 AM

Quant Time: Dec 16 19:03:32 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 : Mon Dec 16 17:48:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2297	0.40	ng/ul	0.00
2) Naphthalene-d8	10.30	136	10350	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7072	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	15374	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	12843	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	11480	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	3551	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	10542	0.23	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.35	128	58101	1.851	ng/ul	99
5) 2-Methylnaphthalene	11.97	142	54651	2.304	ng/ul	100
7) Acenaphthylene	13.89	152	13312	0.358	ng/ul#	93
8) Acenaphthene	14.24	153	987	0.034	ng/ul#	87
9) Fluorene	15.23	166	2859	0.083	ng/ul#	60
12) Phenanthrene	16.96	178	99060	1.853	ng/ul	100
13) Anthracene	17.06	178	9028	0.188	ng/ul#	93
15) Fluoranthene	18.99	202	99062	1.620	ng/ul	96
17) Pyrene	19.35	202	93532	1.428	ng/ul	100
18) Benzo(a)anthracene	21.11	228	64705	1.135	ng/ul	93
19) Chrysene	21.16	228	86586m	1.511	ng/ul	
21) Benzo(b)fluoranthene	22.64	252	106682m	1.990	ng/ul	
22) Benzo(k)fluoranthene	22.68	252	32590m	0.603	ng/ul	
23) Benzo(a)pyrene	23.18	252	55465	1.181	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.37	276	34420	0.673	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.38	278	9965	0.245	ng/ul#	80
26) Benzo(a,h,i)perylene	26.02	276	32560	0.756	ng/ul	99

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

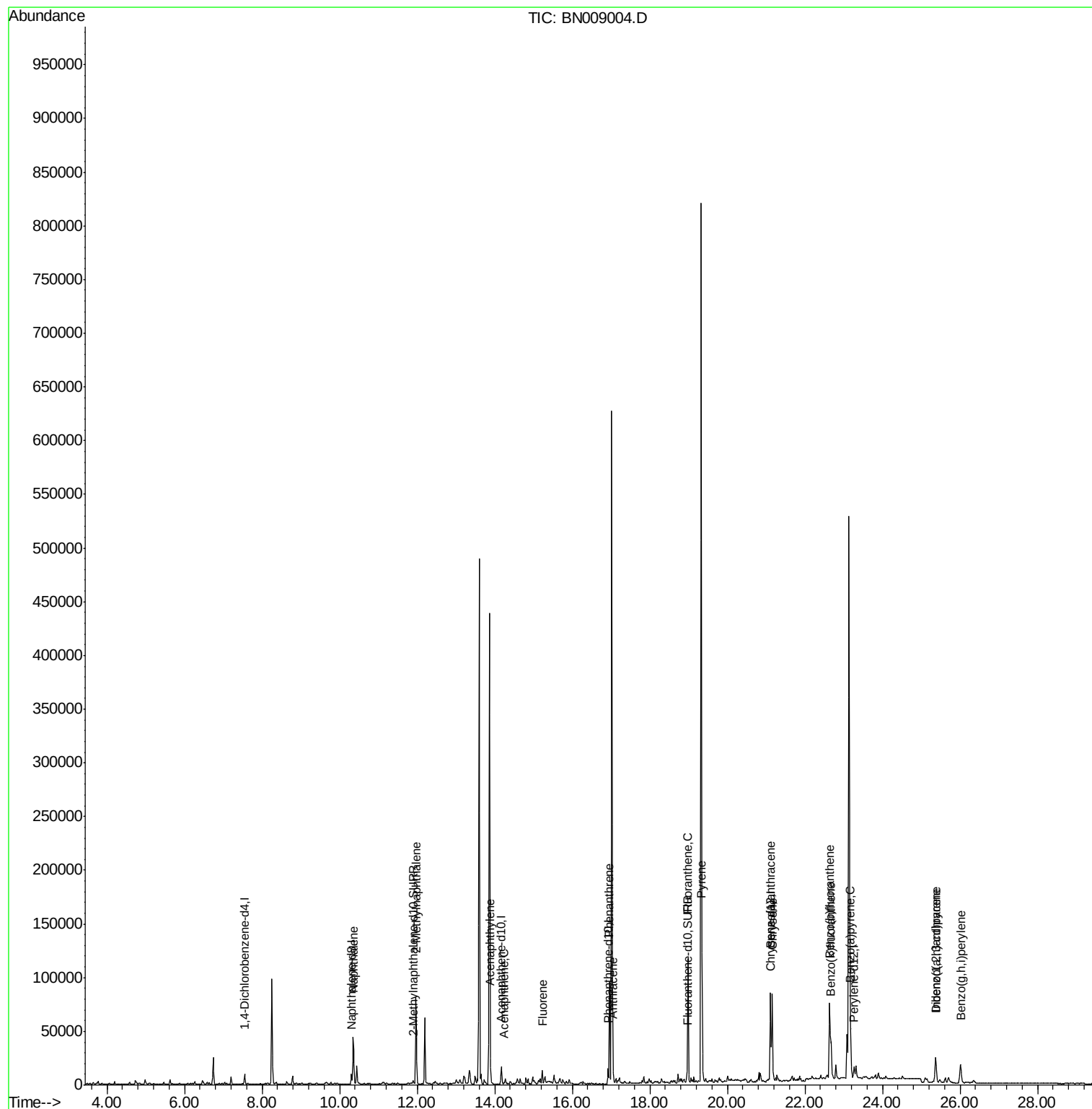
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121619\
Data File : BN009004.D
Acq On : 16 Dec 2019 18:30
Operator : JU
Sample : K6089-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

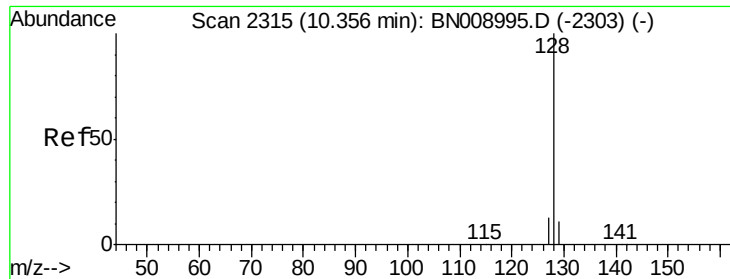
Instrument :
BNA_N
ClientSampleId :
C0BR2

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM

Quant Time: Dec 16 19:03:32 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 : Mon Dec 16 17:48:25 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.851 ng/ul

RT: 10.35 min Scan# 2314

Delta R.T. -0.01 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Instrument :

BNA_N

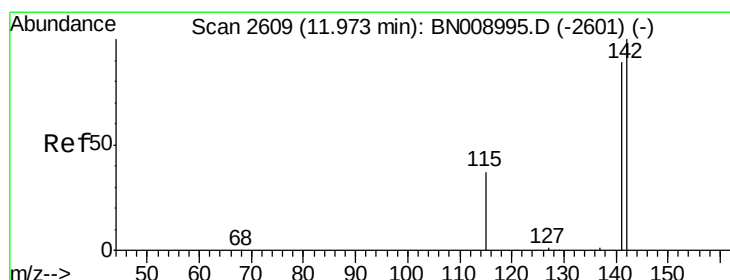
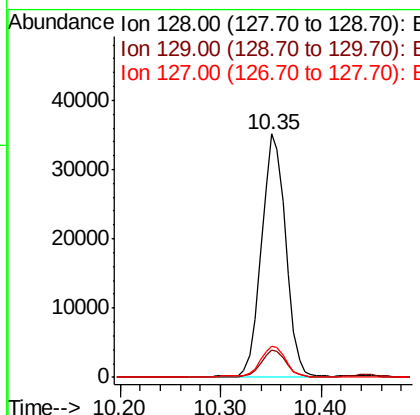
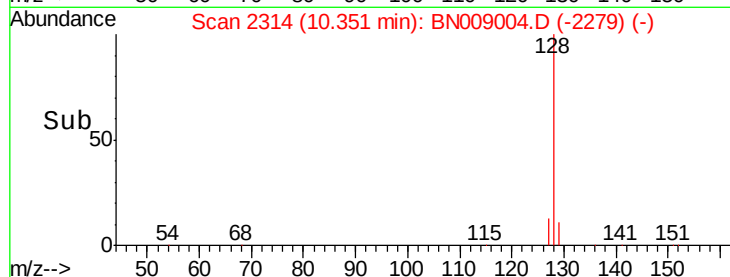
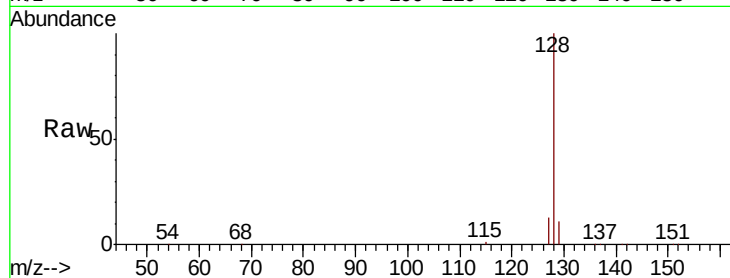
ClientSampleId :

C0BR2

Tot Ion:	128	Resp:	58101
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.4
127	13.0	10.9	16.3

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM



#5

2-Methylnaphthalene

Concen: 2.304 ng/ul

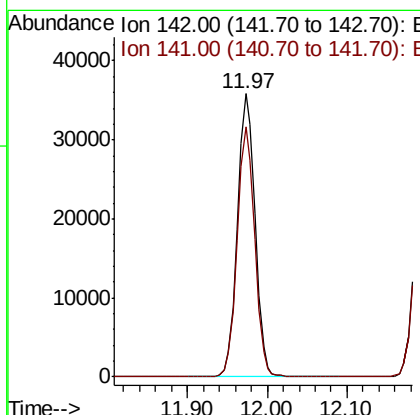
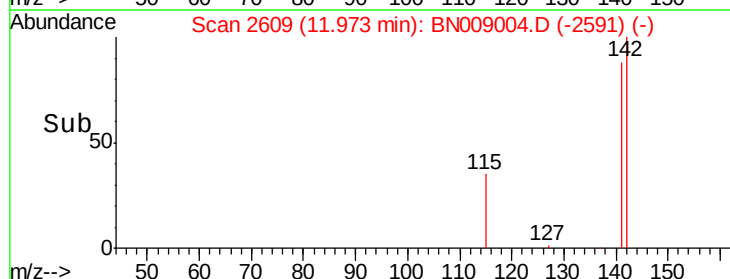
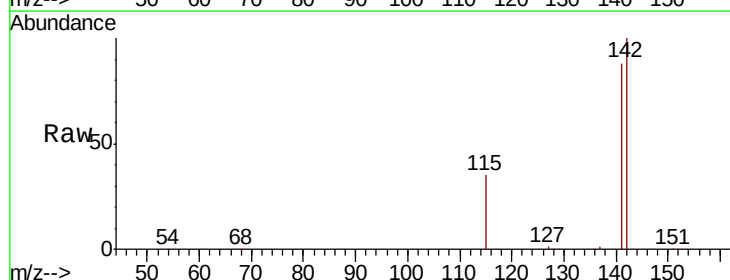
RT: 11.97 min Scan# 2609

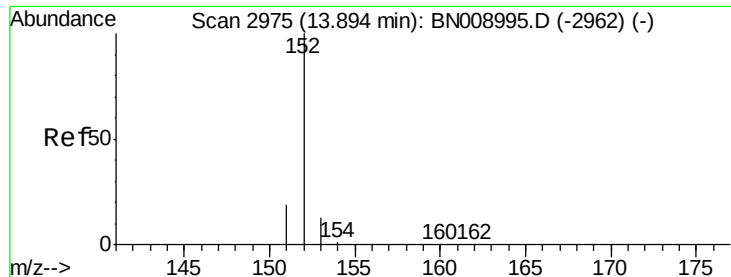
Delta R.T. 0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Tgt Ion:	142	Resp:	54651
Ion Ratio	Lower	Upper	
142	100		
141	88.1	70.2	105.4





#7

Acenaphthylene

Concen: 0.358 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Instrument :

BNA_N

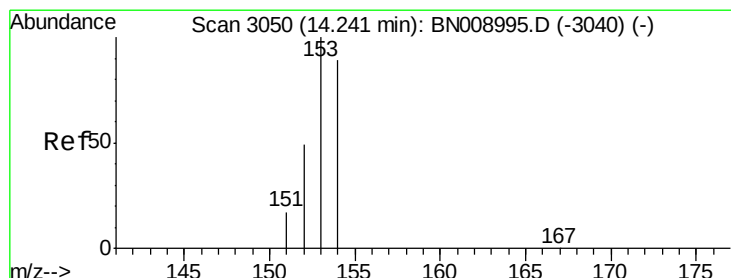
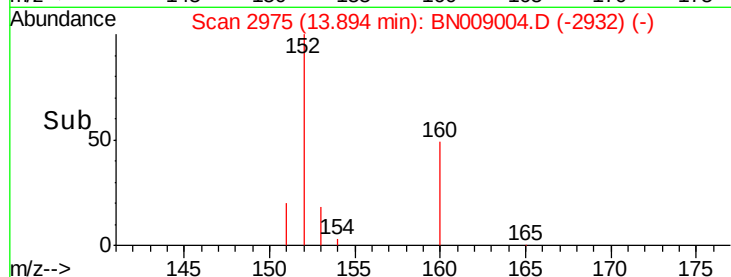
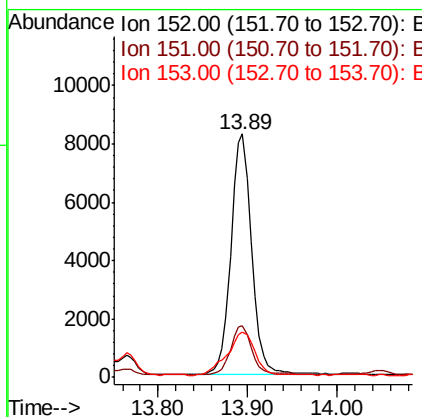
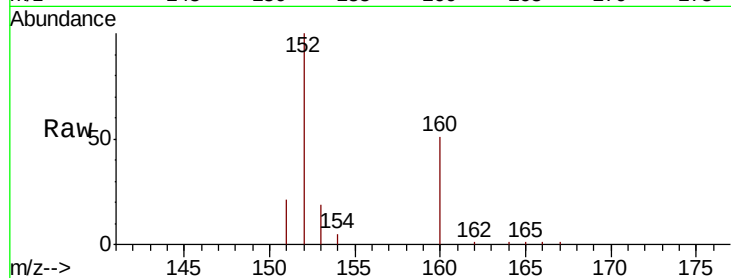
ClientSampleId :

C0BR2

Tot Ion:	152	Resp:	13312
Ion Ratio	Lower	Upper	
152	100		
151	21.2	15.7	23.5
153	18.8	10.8	16.2#

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM



#8

Acenaphthene

Concen: 0.034 ng/ul

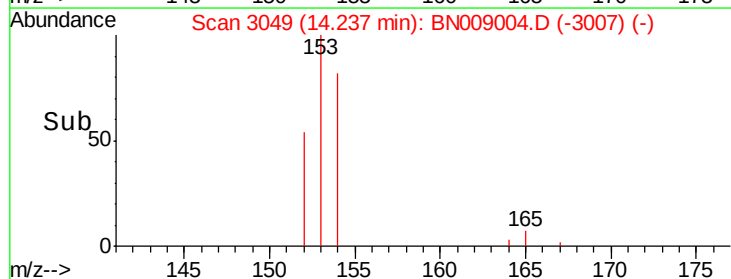
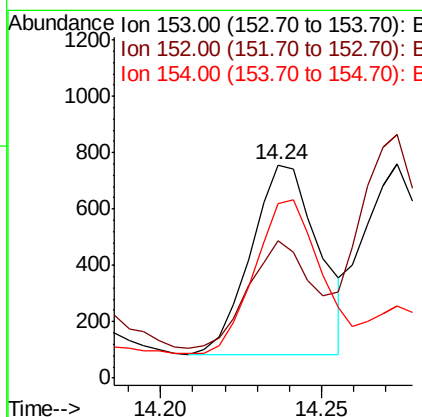
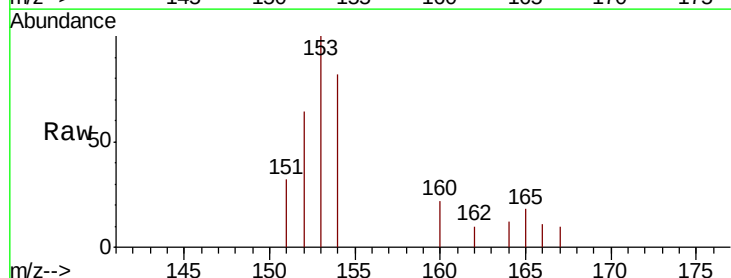
RT: 14.24 min Scan# 3049

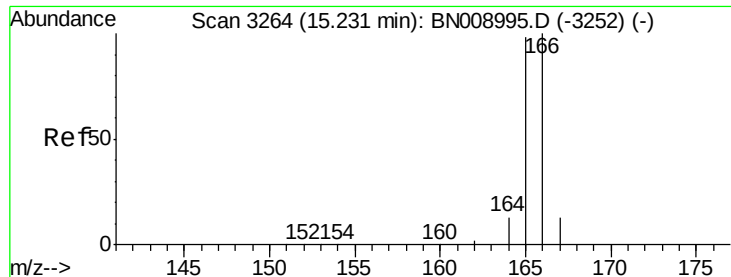
Delta R.T. -0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Tgt Ion:	153	Resp:	987
Ion Ratio	Lower	Upper	
153	100		
152	64.2	39.5	59.3#
154	81.9	71.3	106.9





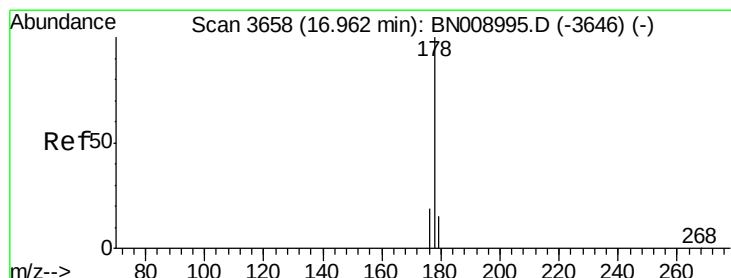
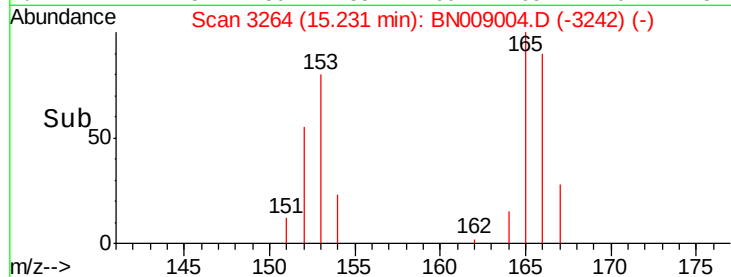
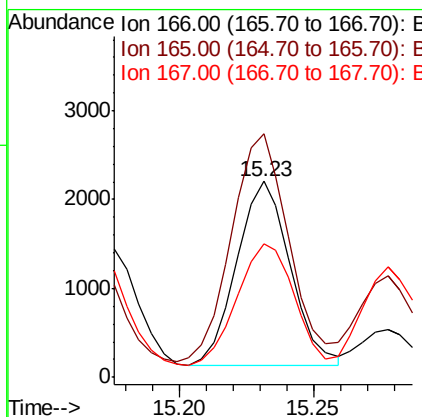
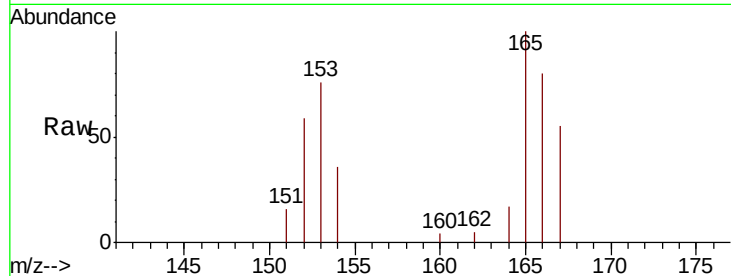
#9
Fluorene
Concen: 0.083 ng/ul
RT: 15.23 min Scan# 3264
Delta R.T. 0.00 min
Lab File: BN009004.D
Acq: 16 Dec 2019 18:30

Instrument :
BNA_N
ClientSampleId :
C0BR2

Tot Ion	Ratio	Lower	Upper
166	100		
165	124.4	78.2	117.4#
167	68.5	11.0	16.6#

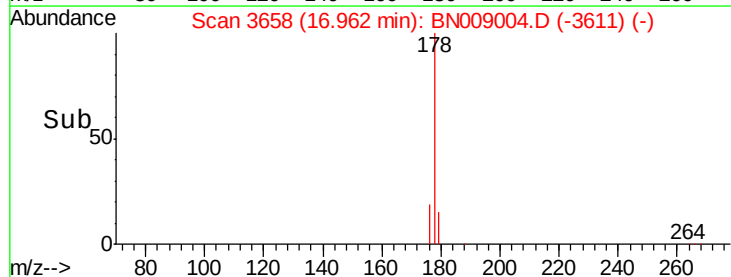
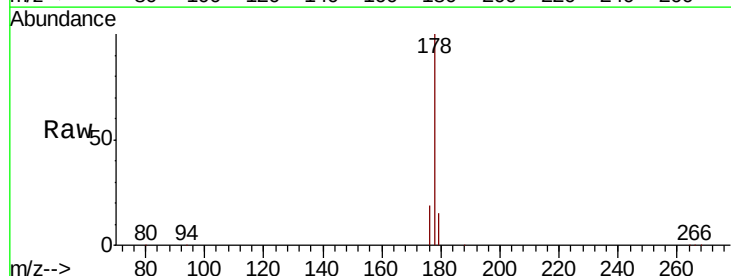
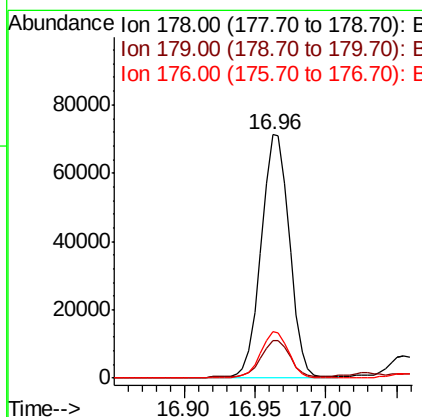
Manual Integrations
APPROVED

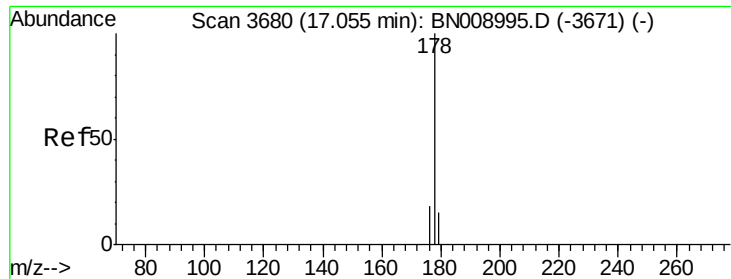
mohammad
12/17/2019 5:35:03 AM



#12
Phenanthrene
Concen: 1.853 ng/ul
RT: 16.96 min Scan# 3658
Delta R.T. 0.00 min
Lab File: BN009004.D
Acq: 16 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.9	15.1	22.7





#13

Anthracene

Concen: 0.188 ng/ul

RT: 17.06 min Scan# 3680

Delta R.T. 0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Instrument :

BNA_N

ClientSampled :

C0BR2

Tot Ion:178 Resp: 9028

Ion Ratio Lower Upper

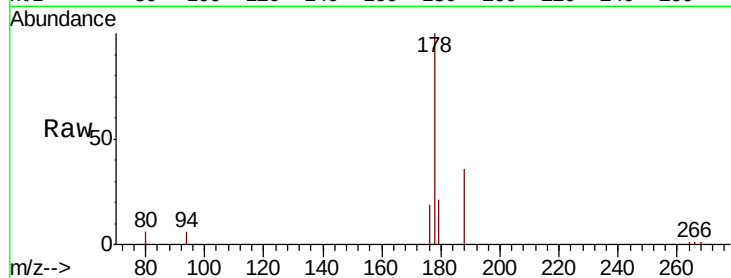
178 100

179 21.0 12.5 18.7#

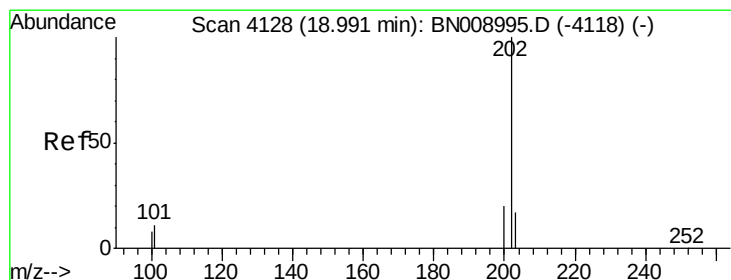
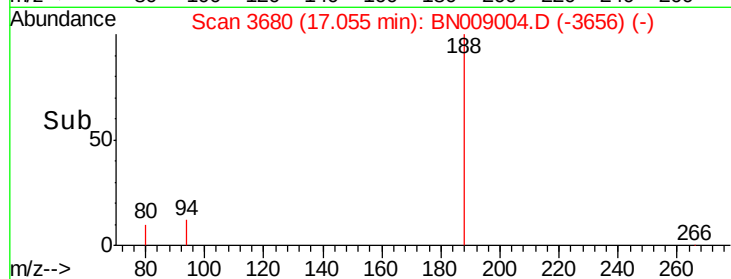
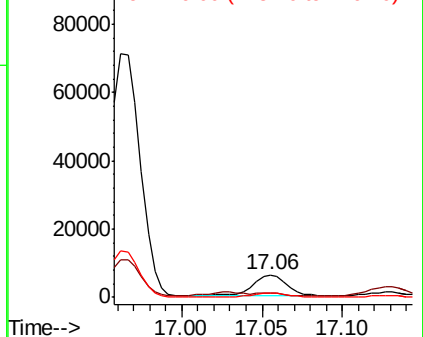
176 19.3 14.9 22.3

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.620 ng/ul

RT: 18.99 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

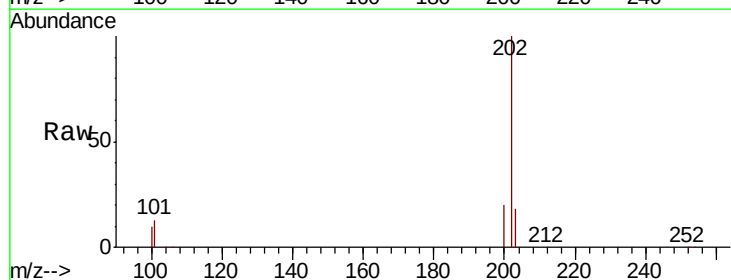
Tgt Ion:202 Resp: 99062

Ion Ratio Lower Upper

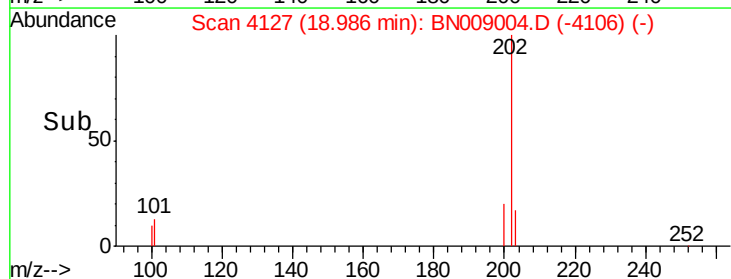
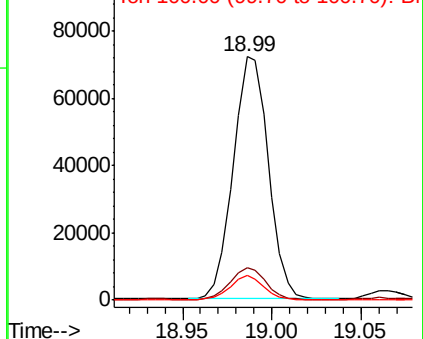
202 100

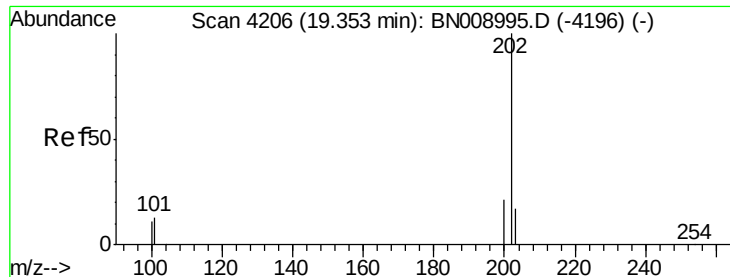
101 13.4 0.0 31.5

100 10.0 0.0 28.9



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





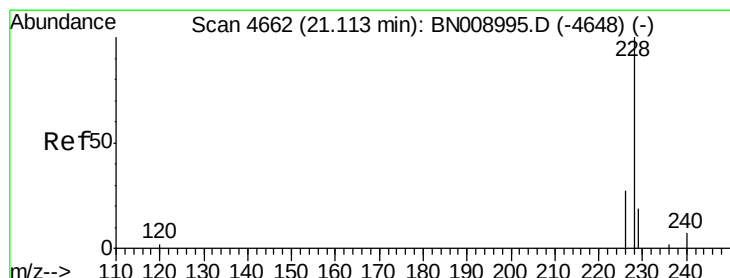
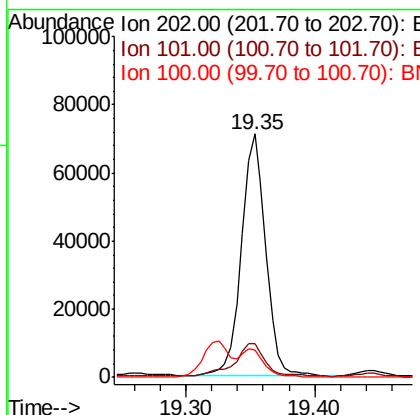
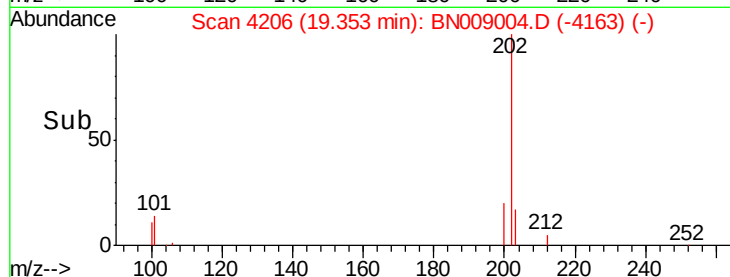
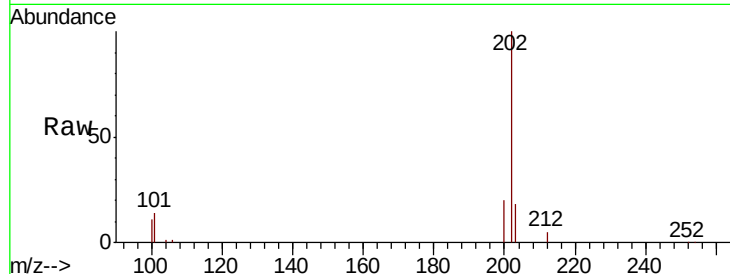
#17
Pvrene
Concen: 1.428 ng/ul
RT: 19.35 min Scan# 4206
Delta R.T. 0.00 min
Lab File: BN009004.D
Acq: 16 Dec 2019 18:30

Instrument :
BNA_N
ClientSampleId :
C0BR2

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	10.9	16.3
100	11.4	9.0	13.6

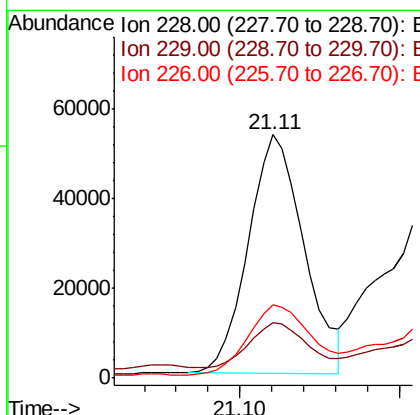
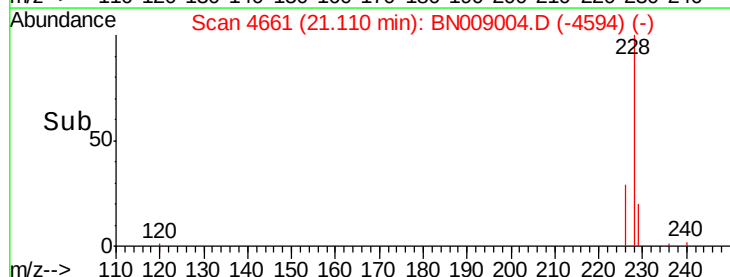
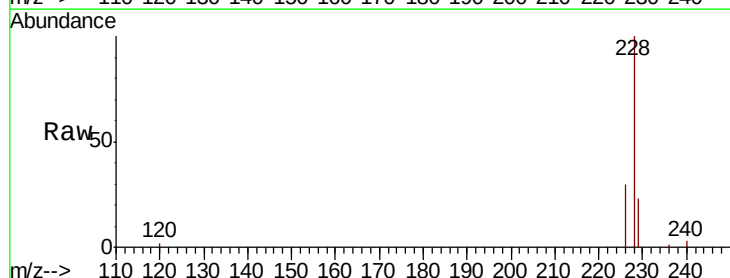
Manual Integrations
APPROVED

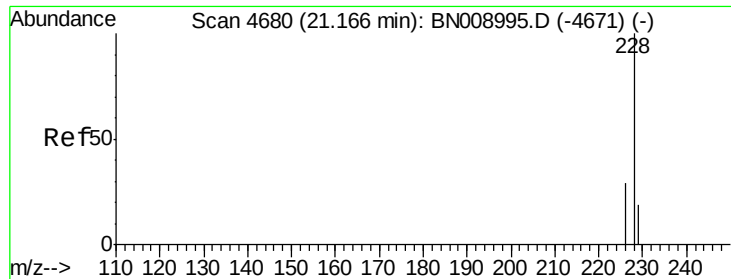
mohammad
12/17/2019 5:35:03 AM



#18
Benzo(a)anthracene
Concen: 1.135 ng/ul
RT: 21.11 min Scan# 4661
Delta R.T. -0.00 min
Lab File: BN009004.D
Acq: 16 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.8	15.5	23.3
226	30.1	21.7	32.5





#19

Chrysene

Concen: 1.511 ng/ul m

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Instrument :

BNA_N

ClientSampleId :

C0BR2

Tot Ion:228 Resp: 86586

Ion Ratio Lower Upper

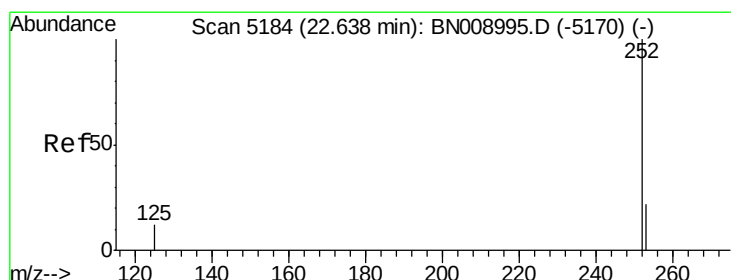
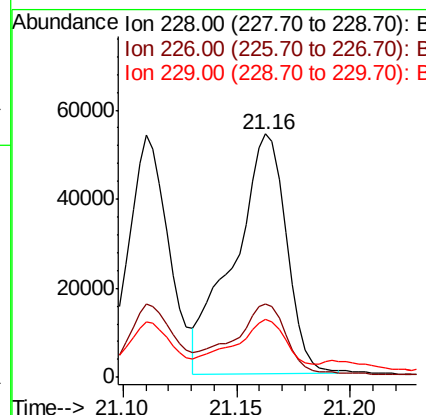
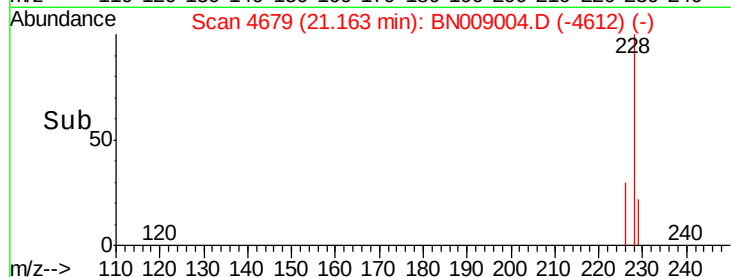
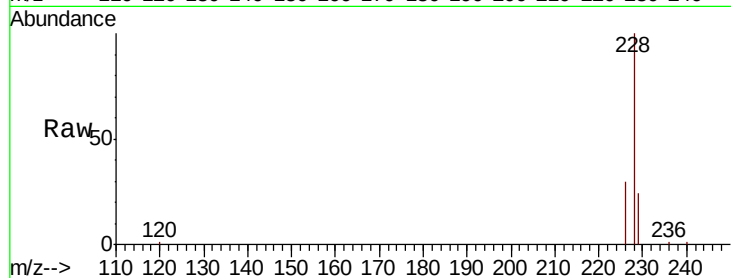
228 100

226 30.1 23.7 35.5

229 23.7 15.4 23.0#

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM



#21

Benzo(b)fluoranthene

Concen: 1.990 ng/ul m

RT: 22.64 min Scan# 5184

Delta R.T. 0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

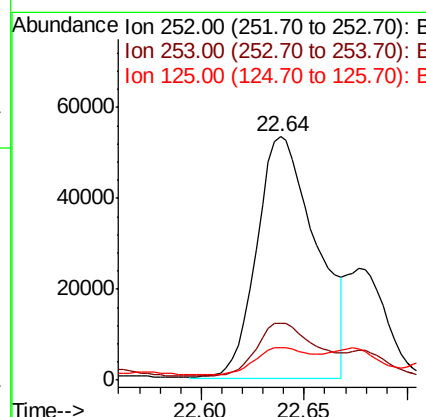
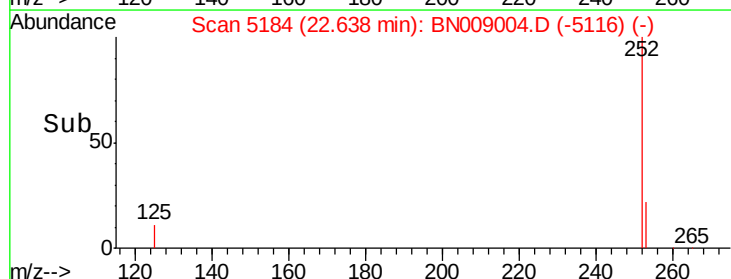
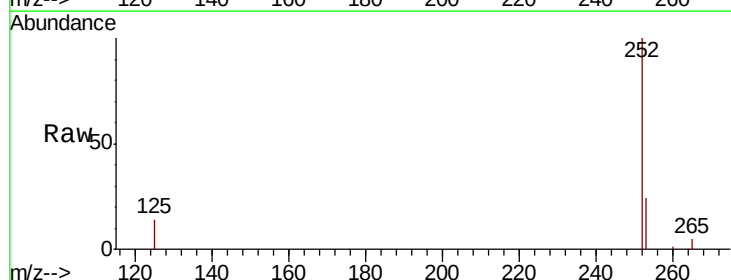
Tgt Ion:252 Resp: 106682

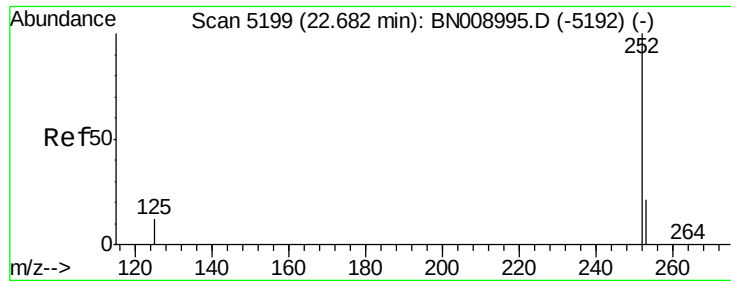
Ion Ratio Lower Upper

252 100

253 23.6 0.0 48.2

125 13.5 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 0.603 ng/ul m

RT: 22.68 min Scan# 5197

Delta R.T. -0.01 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

Instrument :

BNA_N

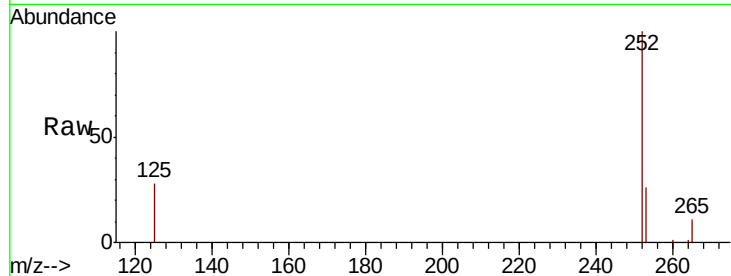
ClientSampleId :

C0BR2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.4	29.0
125	27.6	12.4	18.6

Manual Integrations
APPROVED

mohammad
12/17/2019 5:35:03 AM

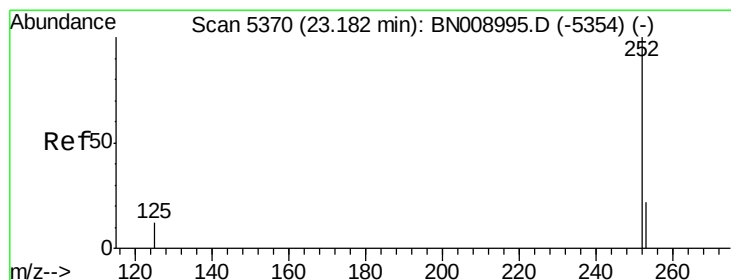
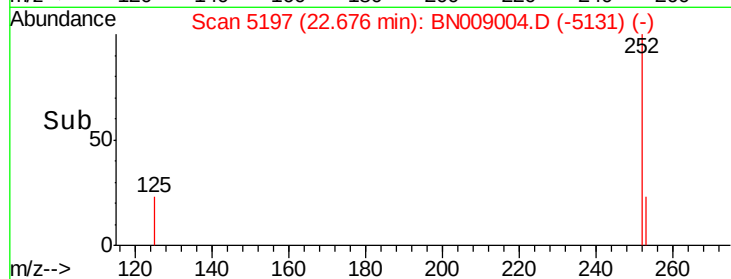
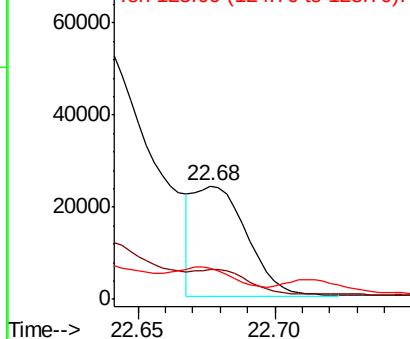


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 1.181 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. -0.00 min

Lab File: BN009004.D

Acq: 16 Dec 2019 18:30

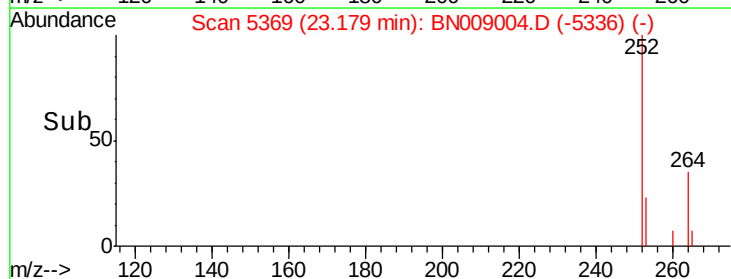
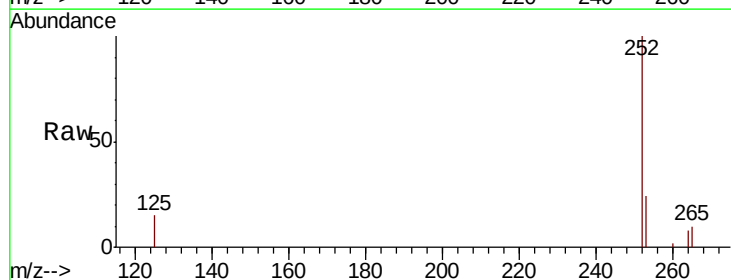
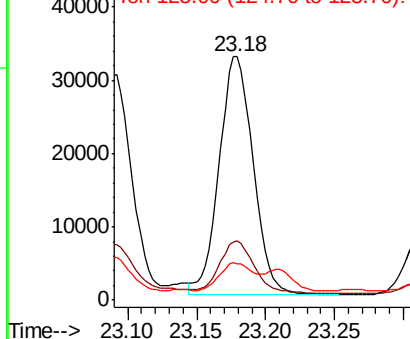
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.2	30.4
125	15.1	13.2	19.8

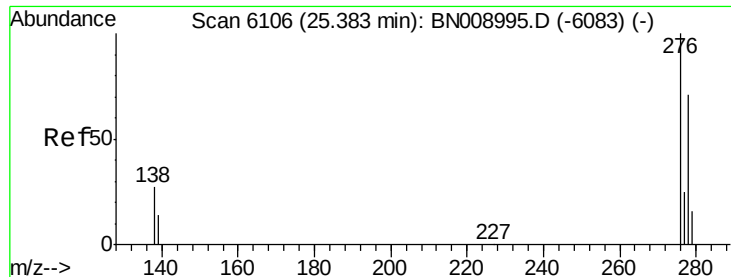
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





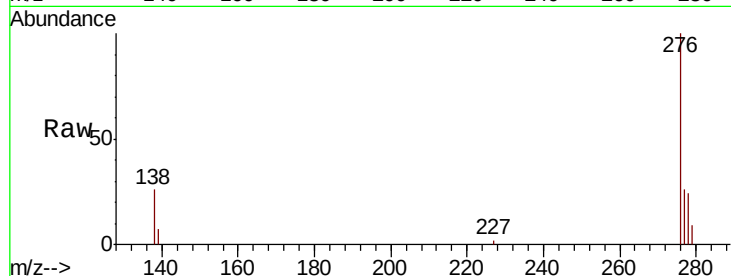
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.673 ng/ul
 RT: 25.37 min Scan# 6103
 Delta R.T. -0.01 min
 Lab File: BN009004.D
 Acq: 16 Dec 2019 18:30

Instrument :
 BNA_N
 ClientSampleId :
 C0BR2

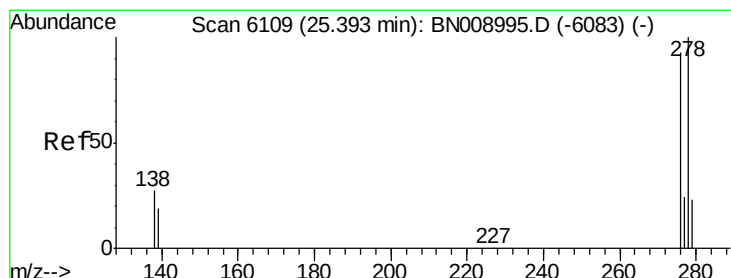
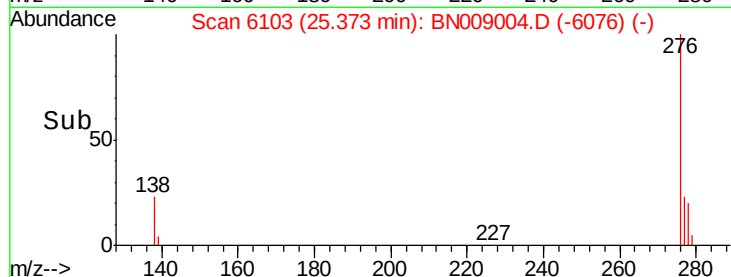
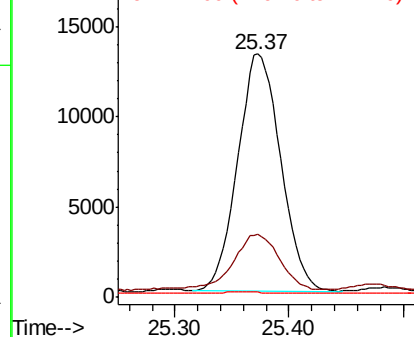
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.4	33.6
227	0.6	0.2	0.4

Manual Integrations
 APPROVED

mohammad
 12/17/2019 5:35:03 AM



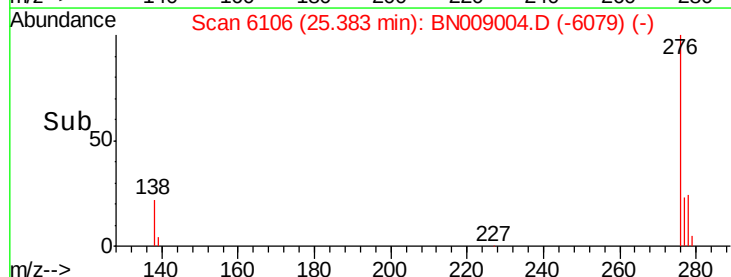
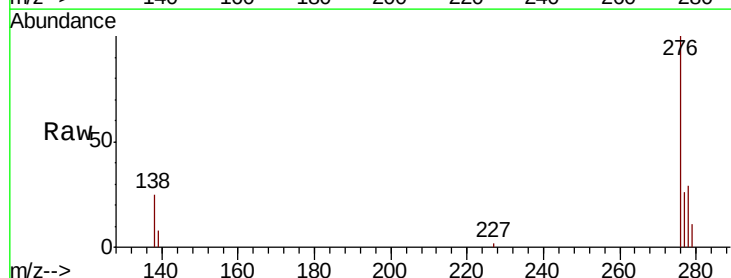
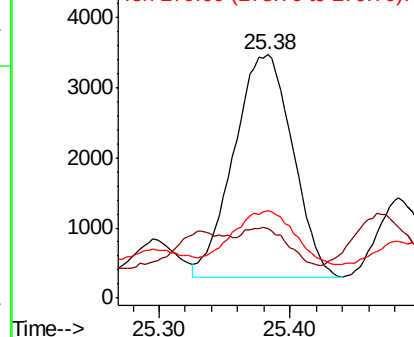
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

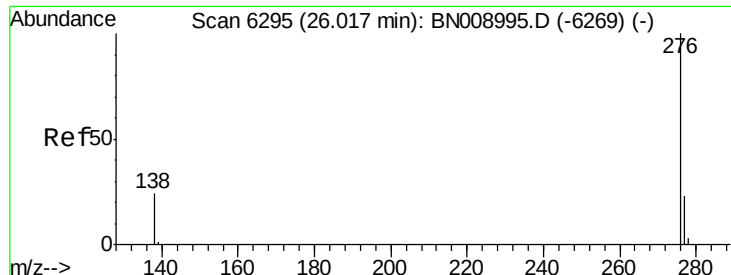


#25
 Dibenzo(a,h)anthracene
 Concen: 0.245 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.01 min
 Lab File: BN009004.D
 Acq: 16 Dec 2019 18:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.8	16.2	24.2
279	36.1	20.3	30.5

Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(a,h,i)perylene
 Concen: 0.756 ng/ul
 RT: 26.02 min Scan# 6295
 Delta R.T. 0.00 min
 Lab File: BN009004.D
 Acq: 16 Dec 2019 18:30

Instrument :
 BNA_N
 ClientSampleId :
 C0BR2

Tot Ion:	276	Resp:	32560
Ion Ratio	Lower	Upper	
276	100		
138	25.8	20.6	30.8
277	25.1	19.6	29.4

Manual Integrations
 APPROVED

mohammad
 12/17/2019 5:35:03 AM

