

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
 Data File : BN008693.D
 Acq On : 22 Nov 2019 01:51
 Operator : JU
 Sample : K5854-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC4

Manual Integrations
 APPROVED

mohammad
 11/22/2019 1:23:58 PM

Quant Time: Nov 22 07:23:09 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 Nov 22 07:12:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4350	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15599	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	10857	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	19068	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13062	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	15659	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	5486	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	14999	0.26	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	240254	5.109	ng/ul	98
5) 2-Methylnaphthalene	12.03	142	239091	7.281	ng/ul	100
7) Acenaphthylene	13.95	152	52104	0.868	ng/ul#	96
8) Acenaphthene	14.29	153	75317	1.691	ng/ul	100
9) Fluorene	15.29	166	97918	1.872	ng/ul#	96
11) Pentachlorophenol	16.63	266	256	0.035	ng/ul	89
12) Phenanthrene	17.02	178	1319137	20.513	ng/ul	98
13) Anthracene	17.11	178	364262	5.995	ng/ul	99
15) Fluoranthene	19.04	202	1775871	22.478	ng/ul	92
17) Pyrene	19.40	202	1576716	30.088	ng/ul	95
18) Benzo(a)anthracene	21.16	228	830712	15.814	ng/ul	97
19) Chrysene	21.21	228	813716	15.772	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	1072419m	16.608	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	363888m	5.682	ng/ul	
23) Benzo(a)pyrene	23.25	252	721059	11.897	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.49	276	497668	7.021	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.49	278	121982	2.131	ng/ul#	90
26) Benzo(g,h,i)perylene	26.14	276	494403	8.338	ng/ul	98

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

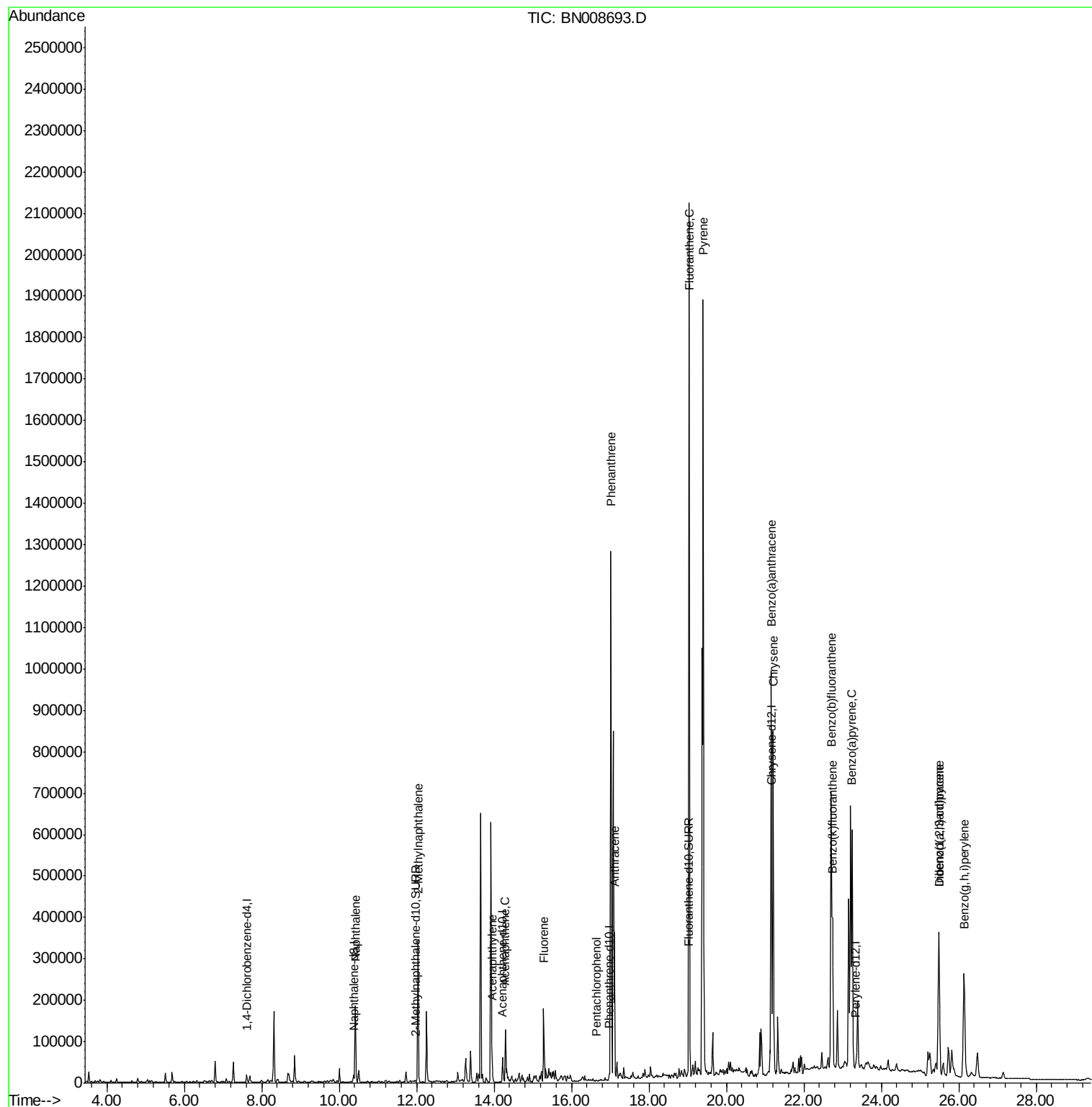
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
Data File : BN008693.D
Acq On : 22 Nov 2019 01:51
Operator : JU
Sample : K5854-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

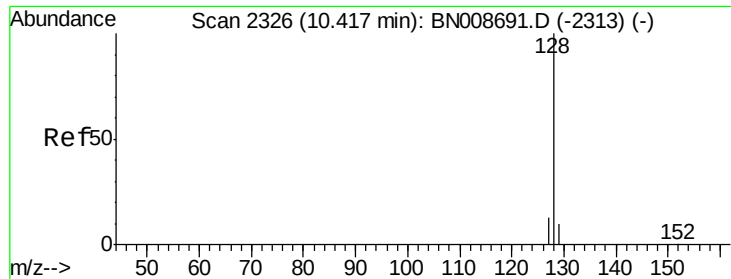
Instrument :
BNA_N
ClientSampleId :
C0AC4

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM

Quant Time: Nov 22 07:23:09 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 Nov 22 07:12:34 2019
Response via : Initial Calibration





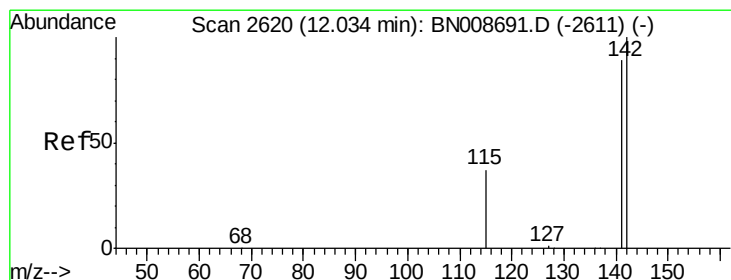
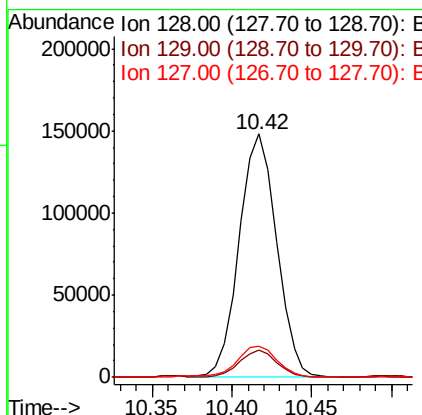
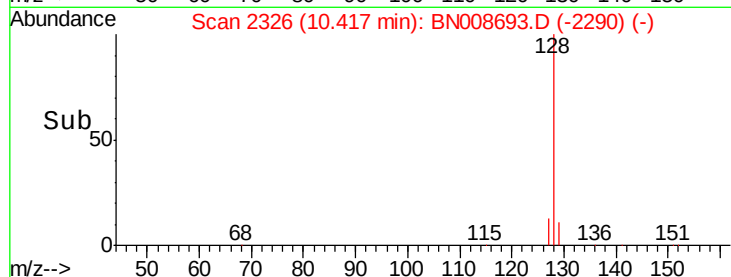
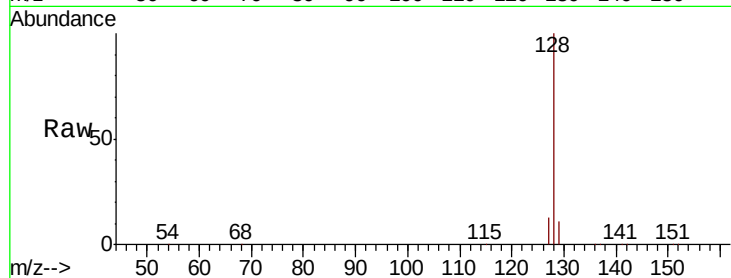
#3
Naphthalene
Concen: 5.109 ng/ul
RT: 10.42 min Scan# 2326
Delta R.T. -0.00 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Instrument :
BNA_N
ClientSampleId :
C0AC4

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.7	14.5
127	12.9	10.8	16.2

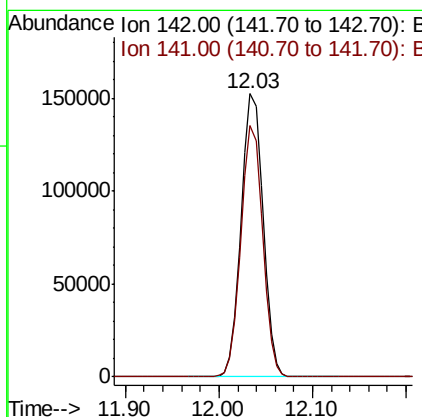
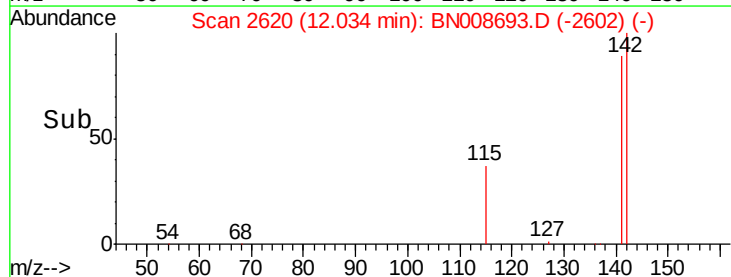
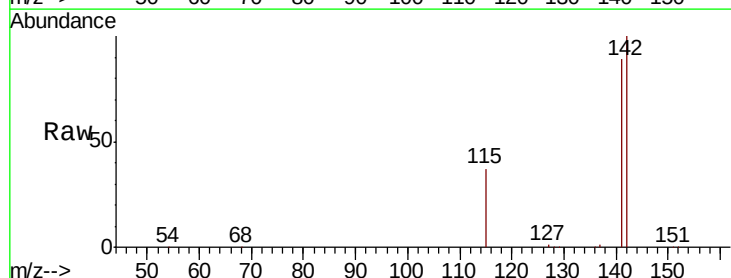
Manual Integrations
APPROVED

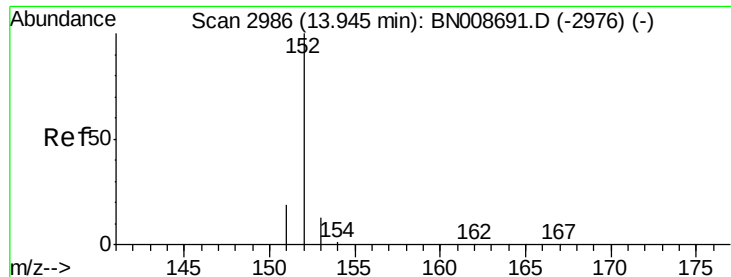
mohammad
11/22/2019 1:23:58 PM



#5
2-Methylnaphthalene
Concen: 7.281 ng/ul
RT: 12.03 min Scan# 2620
Delta R.T. -0.00 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7





#7

Acenaphthylene

Concen: 0.868 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

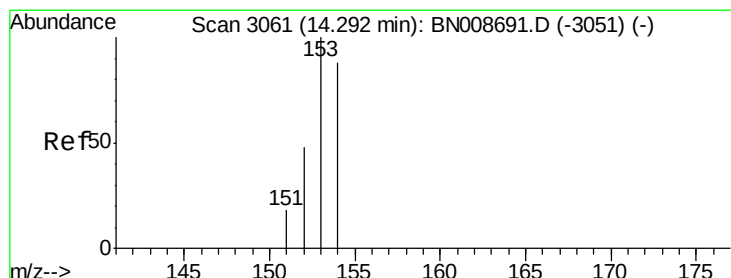
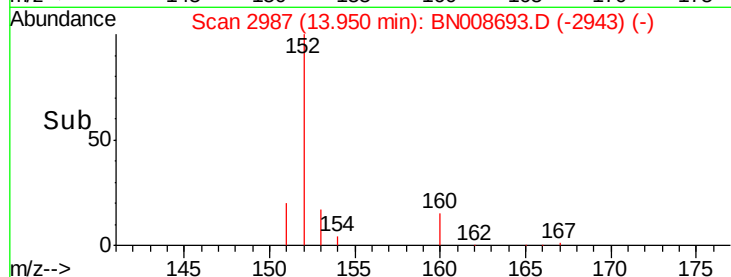
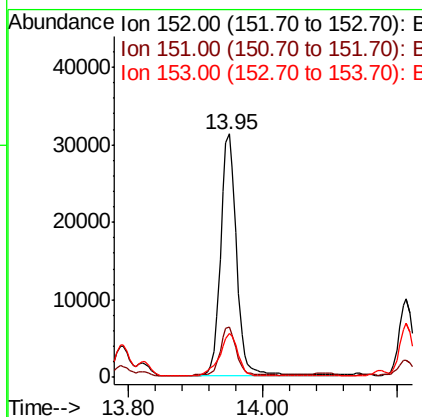
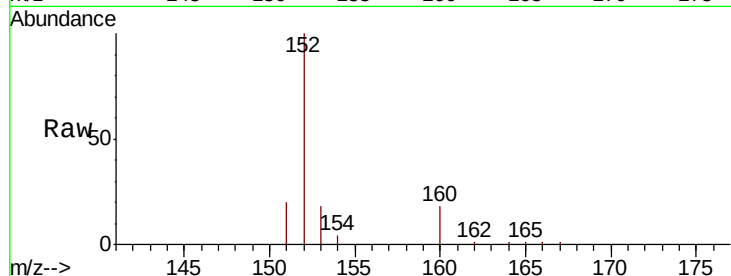
ClientSampleId :

C0AC4

Tot Ion:	152	Resp:	52104
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.6	24.8
153	17.8	11.1	16.7#

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



#8

Acenaphthene

Concen: 1.691 ng/ul

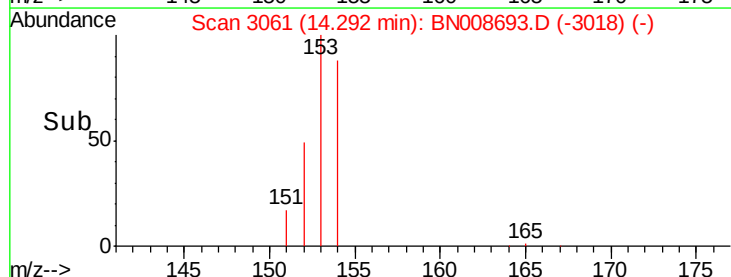
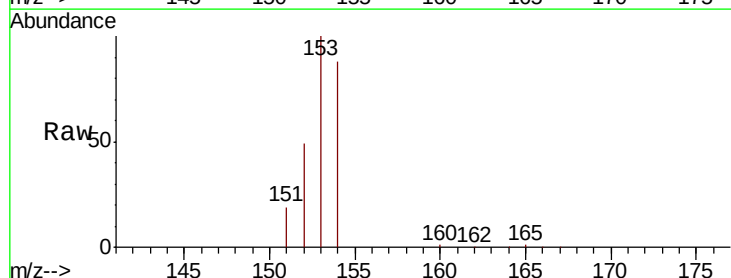
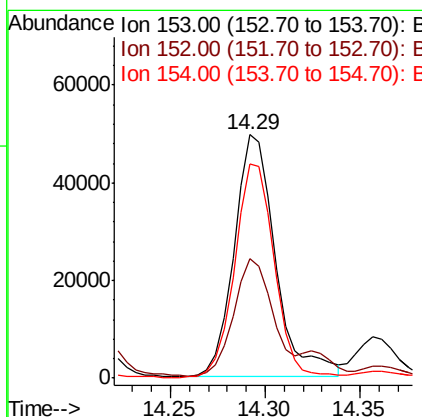
RT: 14.29 min Scan# 3061

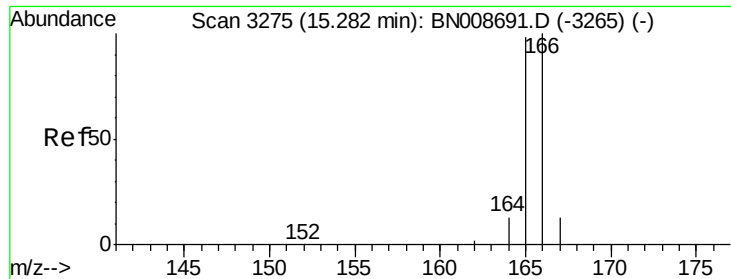
Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Tgt Ion:	153	Resp:	75317
Ion Ratio	Lower	Upper	
153	100		
152	49.1	39.6	59.4
154	88.0	70.6	106.0





#9

Fluorene

Concen: 1.872 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

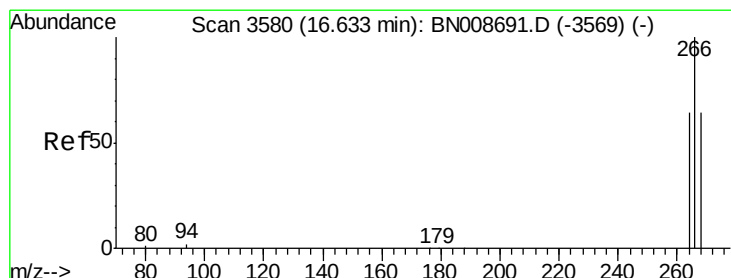
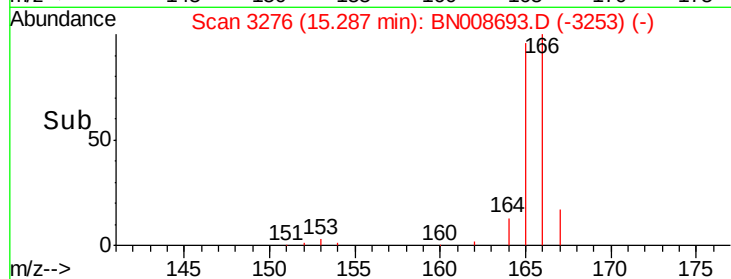
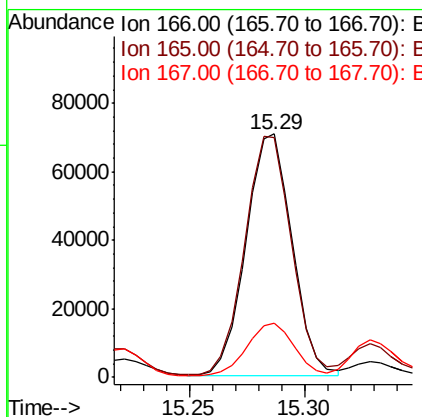
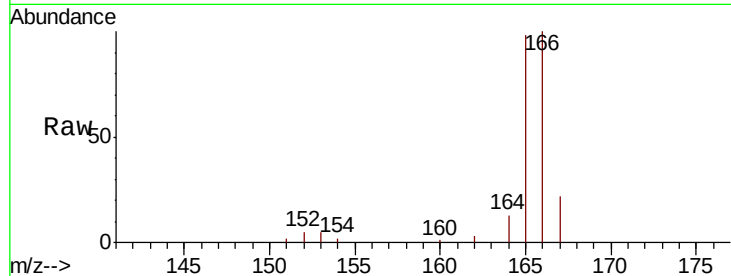
ClientSampleId :

C0AC4

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	98.3	77.4	116.0	
167	22.3	11.4	17.0	

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



#11

Pentachlorophenol

Concen: 0.035 ng/ul

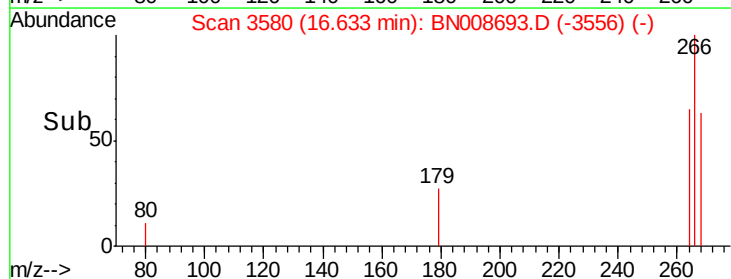
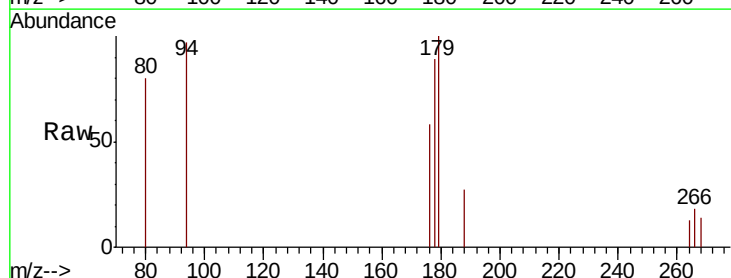
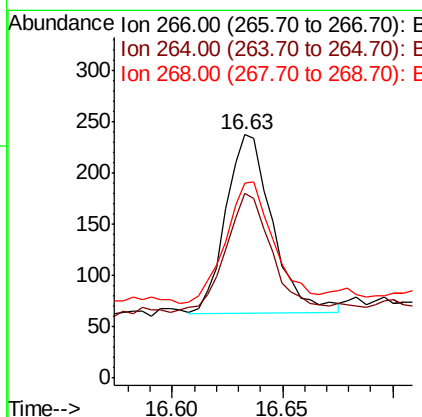
RT: 16.63 min Scan# 3580

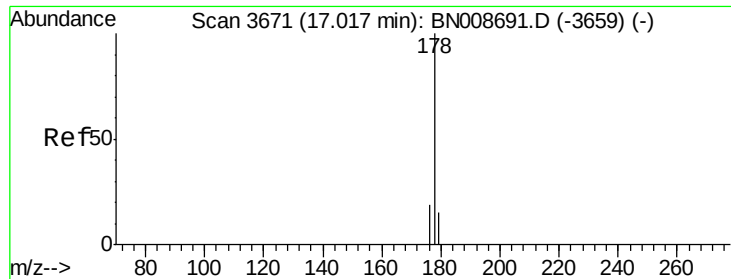
Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Tgt Ion	Ion	Ratio	Lower	Upper
266	100			
264	71.9	49.2	73.8	
268	70.3	50.9	76.3	





#12

Phenanthrene

Concen: 20.513 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

Tot Ion:178 Resp: 1319137

Ion Ratio Lower Upper

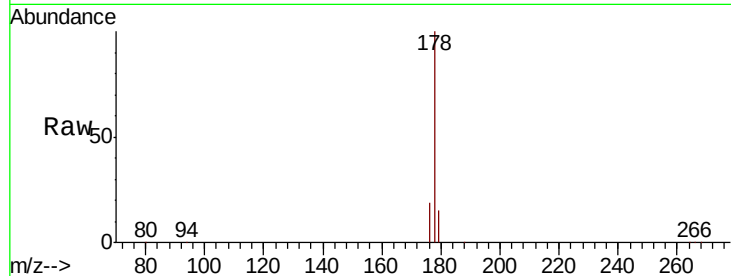
178 100

179 15.5 12.8 19.2

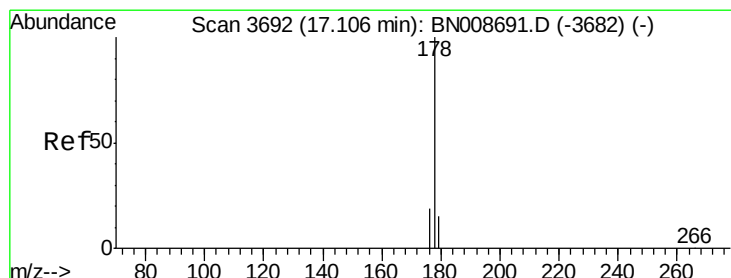
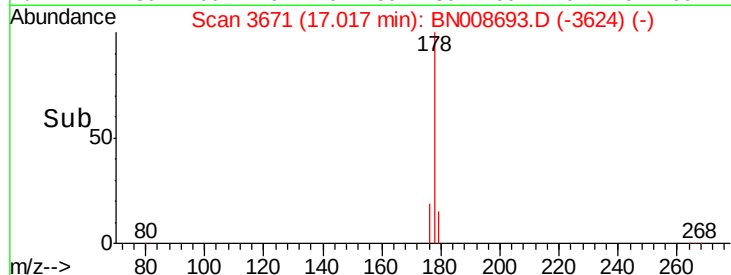
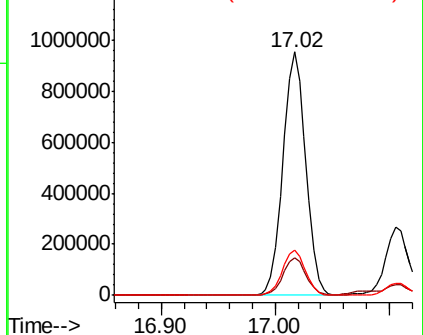
176 18.8 16.0 24.0

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



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



#13

Anthracene

Concen: 5.995 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

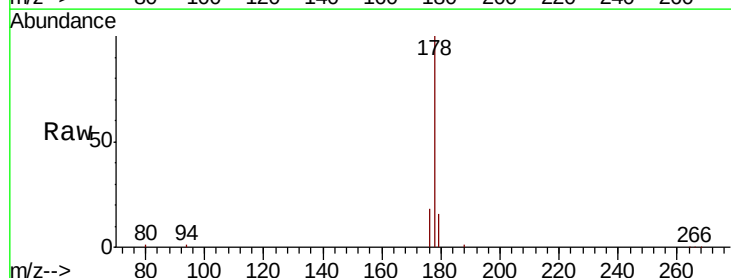
Tgt Ion:178 Resp: 364262

Ion Ratio Lower Upper

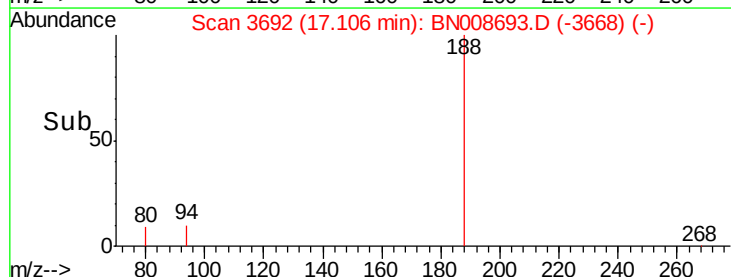
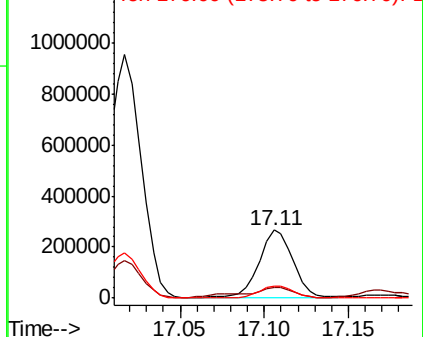
178 100

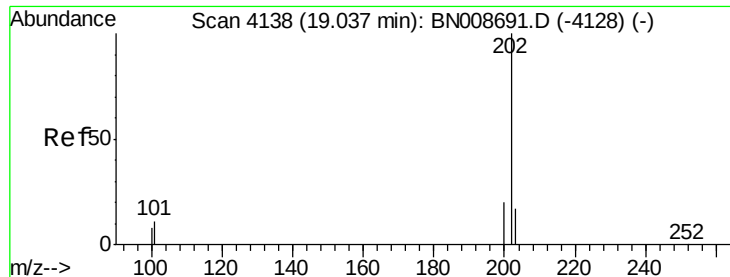
179 15.7 13.0 19.4

176 18.4 15.3 22.9



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: 22.478 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

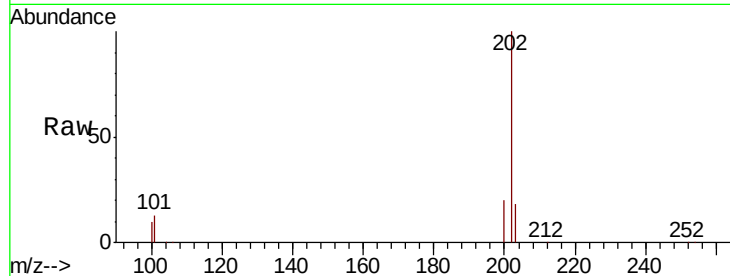
C0AC4

Tot Ion:202 Resp: 1775871

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	29.6
100	9.6	0.0	27.0

Manual Integrations
APPROVED

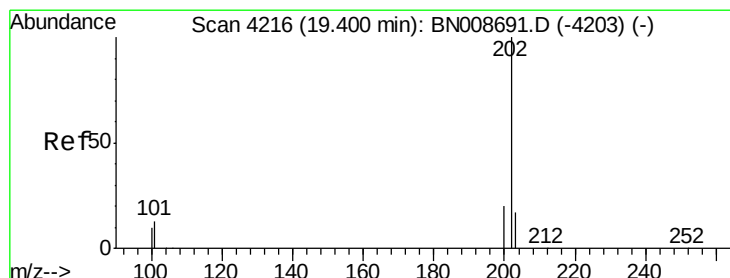
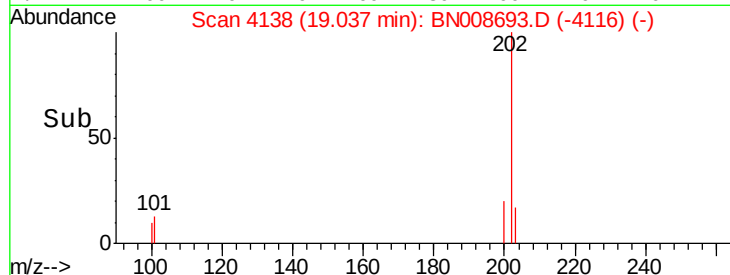
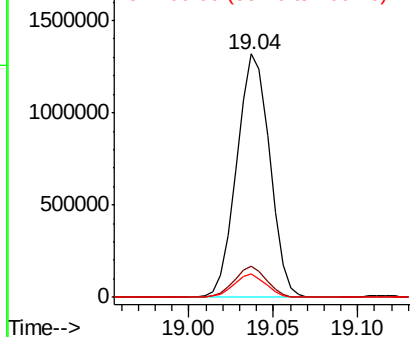
mohammad
11/22/2019 1:23:58 PM



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

Pyrene

Concen: 30.088 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

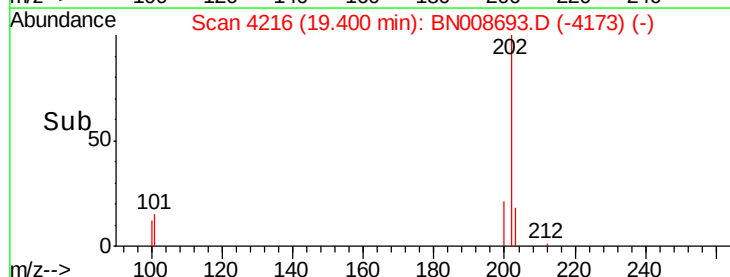
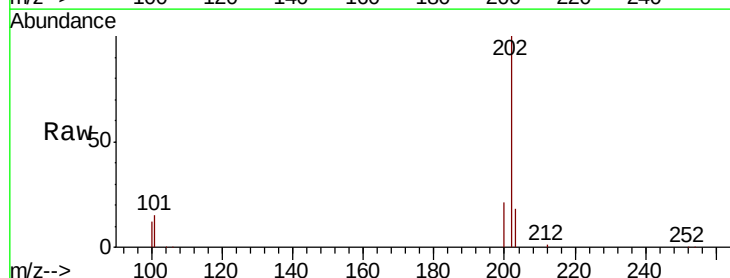
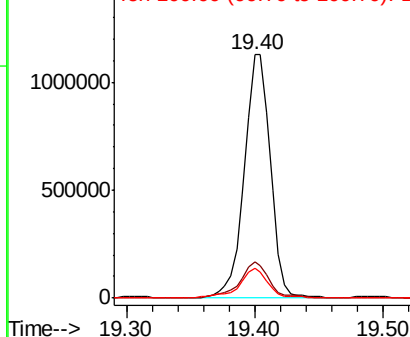
Tgt Ion:202 Resp: 1576716

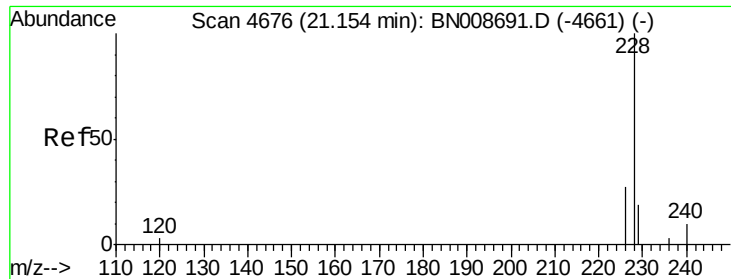
Ion	Ratio	Lower	Upper
202	100		
101	14.9	10.2	15.2
100	12.2	8.2	12.2

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





#18

Benzo(a)anthracene

Concen: 15.814 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

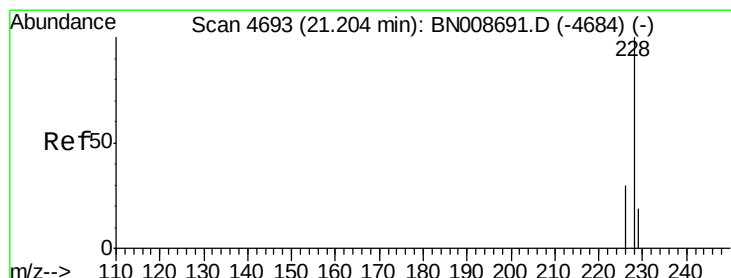
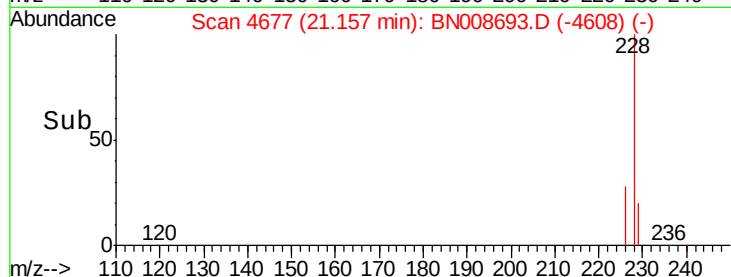
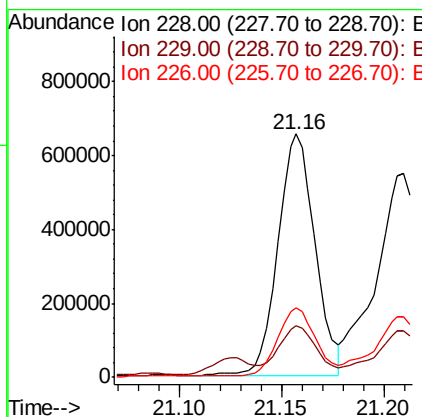
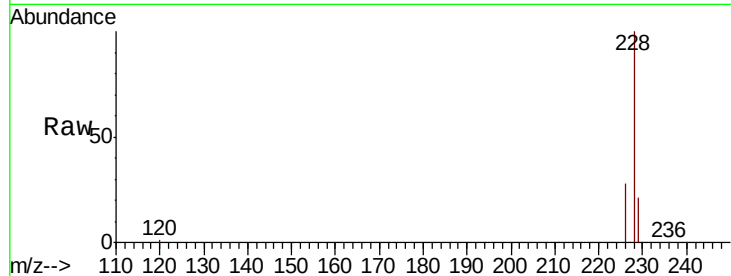
ClientSampleId :

C0AC4

Tot Ion:	228	Resp:	830712
Ion Ratio	Lower	Upper	
228	100		
229	21.1	15.8	23.6
226	28.4	21.6	32.4

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



#19

Chrysene

Concen: 15.772 ng/ul

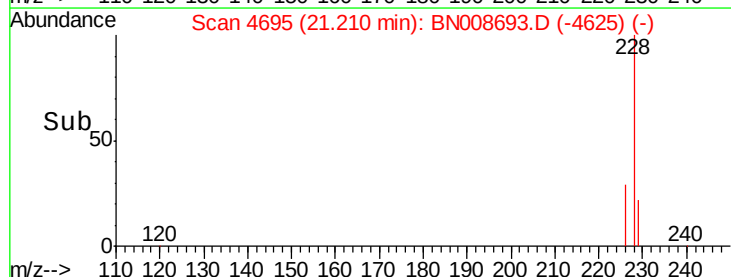
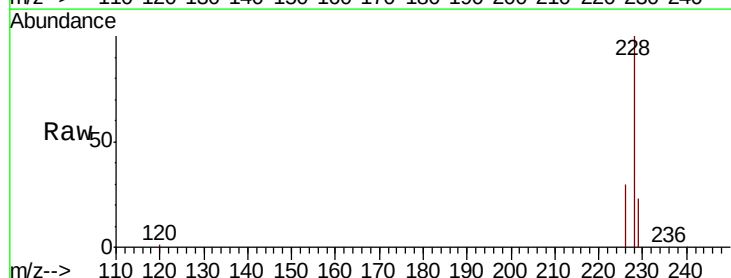
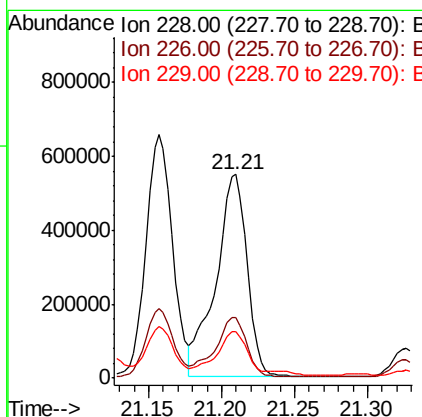
RT: 21.21 min Scan# 4695

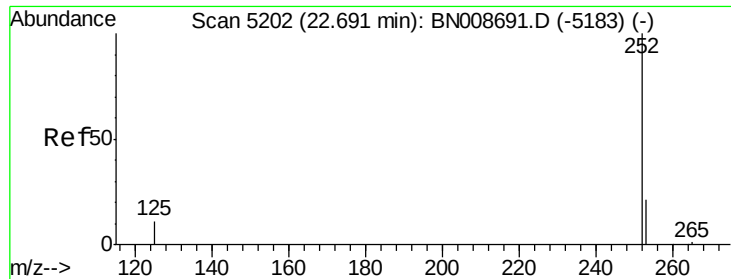
Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Tgt Ion:	228	Resp:	813716
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.5	36.7
229	22.9	15.5	23.3





#21

Benzo(b)fluoranthene

Concen: 16.608 ng/ul m

RT: 22.70 min Scan# 5206

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

Tot Ion:252 Resp: 1072419

Ion Ratio Lower Upper

252 100

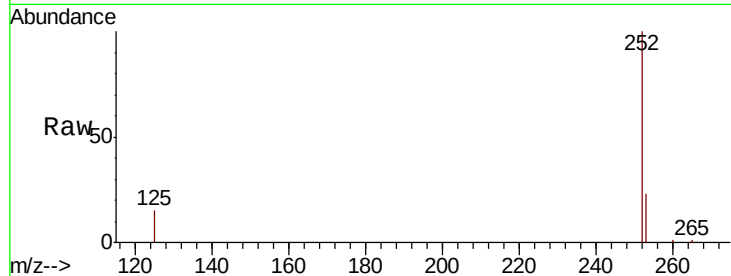
253 23.4 0.0 50.2

125 15.3 0.0 30.0

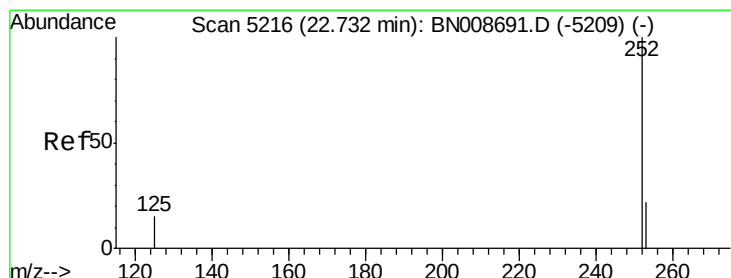
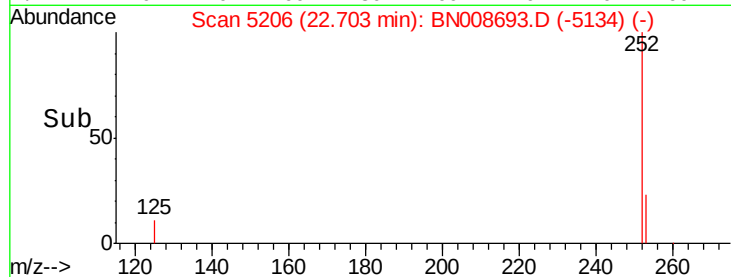
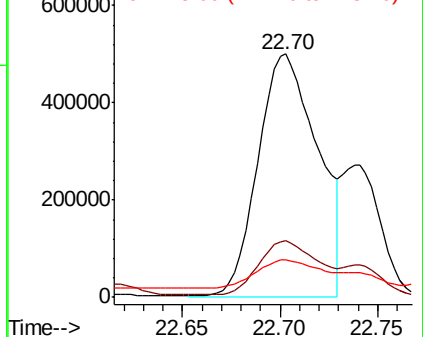
Manual Integrations
APPROVED

mohammad

11/22/2019 1:23:58 PM



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



#22

Benzo(k)fluoranthene

Concen: 5.682 ng/ul m

RT: 22.74 min Scan# 5219

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

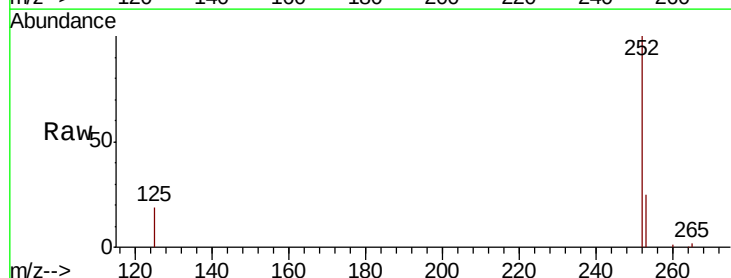
Tgt Ion:252 Resp: 363888

Ion Ratio Lower Upper

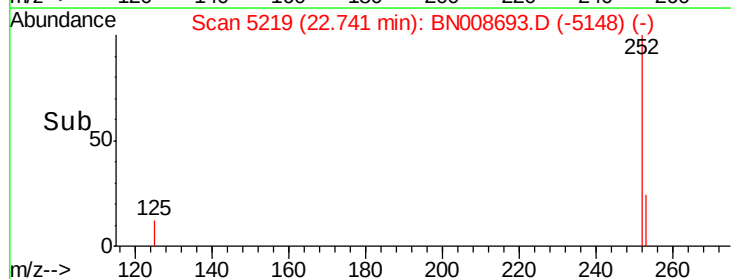
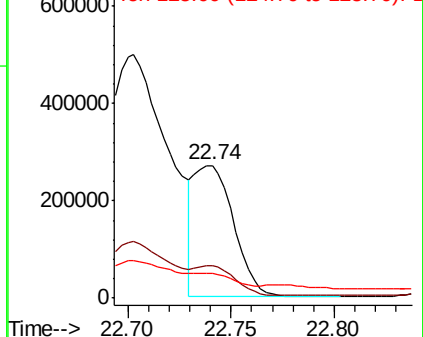
252 100

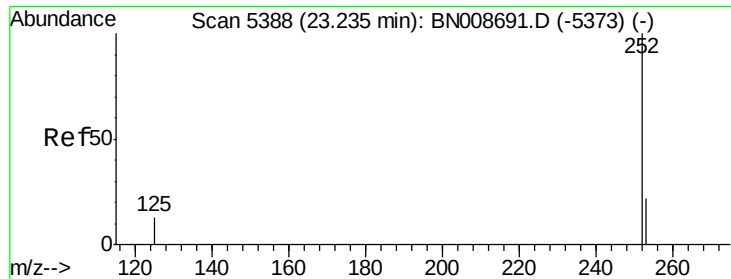
253 24.7 20.5 30.7

125 18.7 15.0 22.4



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: 11.897 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

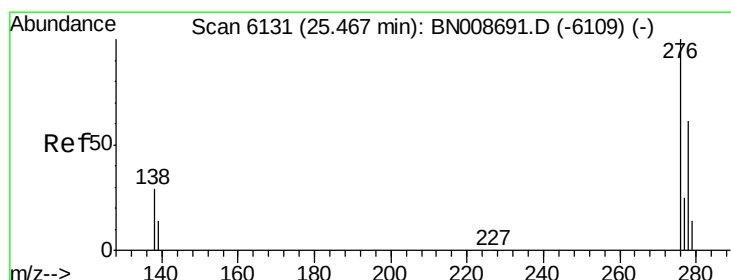
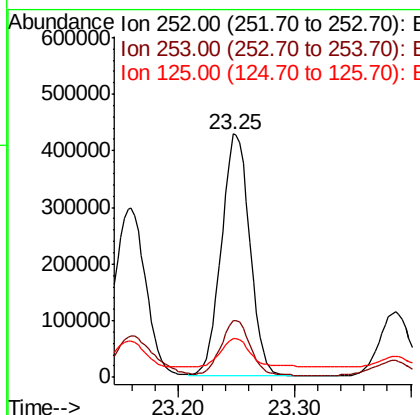
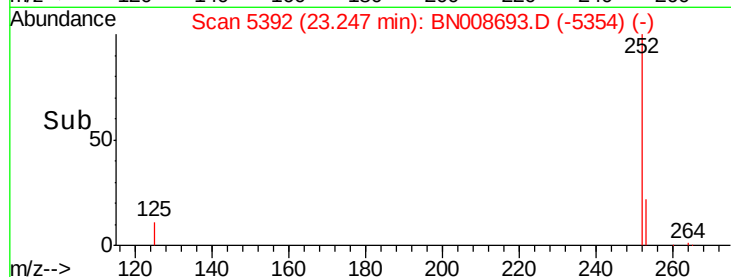
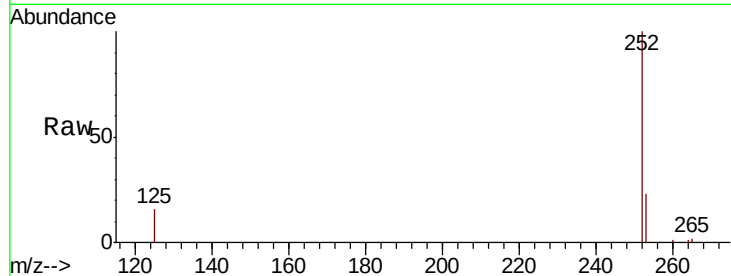
ClientSampleId :

C0AC4

Tot Ion:	252	Resp:	721059
Ion Ratio	Lower	Upper	
252	100		
253	23.1	21.4	32.2
125	16.1	13.8	20.8

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 7.021 ng/ul

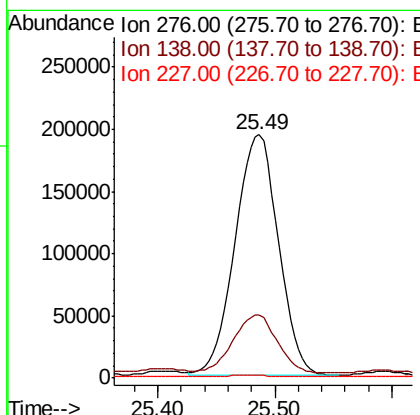
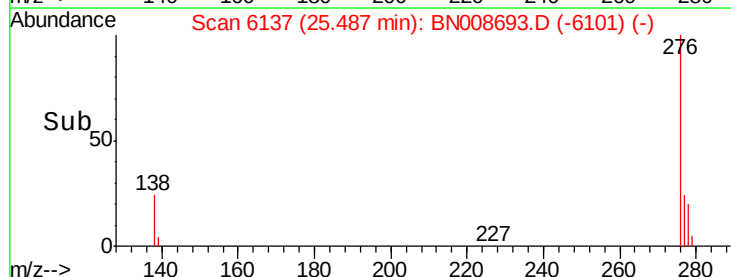
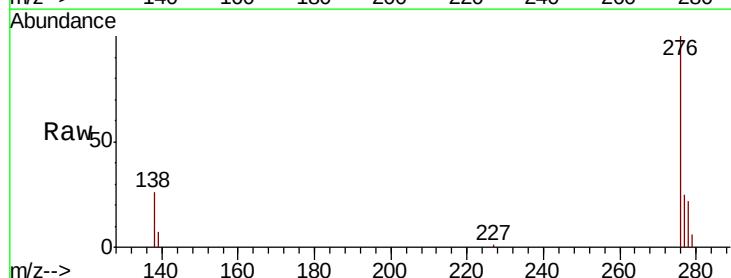
RT: 25.49 min Scan# 6137

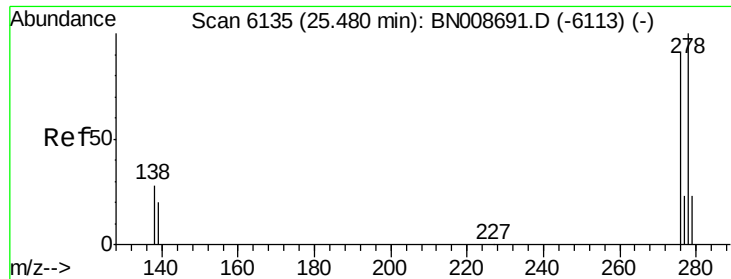
Delta R.T. 0.02 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Tgt Ion:	276	Resp:	497668
Ion Ratio	Lower	Upper	
276	100		
138	24.6	21.7	32.5
227	0.3	0.2	0.2#





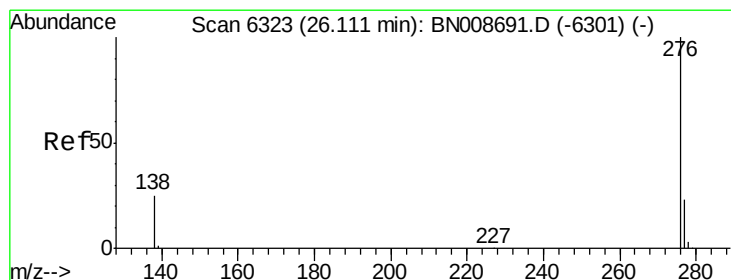
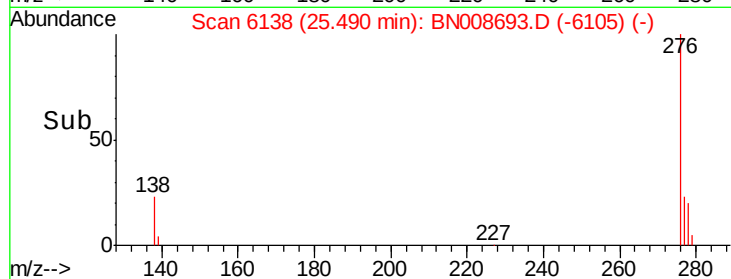
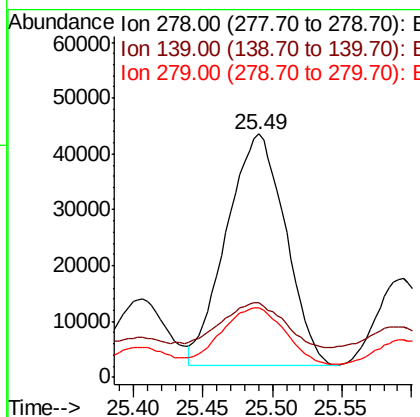
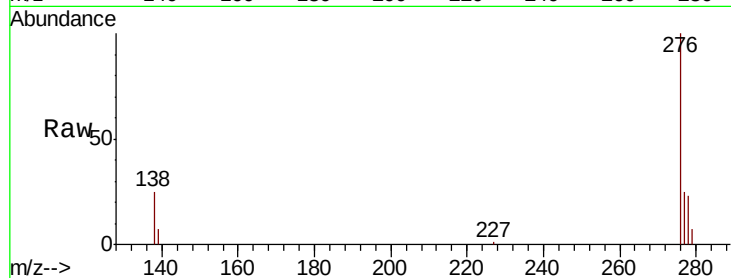
#25
Dibenzo(a,h)anthracene
Concen: 2.131 ng/ul
RT: 25.49 min Scan# 6138
Delta R.T. 0.01 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Instrument :
BNA_N
ClientSampleID :
C0AC4

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.9	18.7	28.1#
279	28.6	20.8	31.2

Manual Integrations
APPROVED

mohammad
11/22/2019 1:23:58 PM



#26
Benzo(g,h,i)perylene
Concen: 8.338 ng/ul
RT: 26.14 min Scan# 6331
Delta R.T. 0.03 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.0	30.0
277	24.3	20.0	30.0

