

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
 Data File : BN007012.D
 Acq On : 08 Aug 2019 06:52
 Operator : HP/JU
 Sample : K3962-20
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BENZ6

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:16:10 AM

Quant Time: Aug 08 08:58:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	8084	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	32586	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	19915	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	48926m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	33594m	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	27854m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	13774	0.24	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	38707m	0.25	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.28	128	6680	0.071	ng/ul#	96
5) 2-Methylnaphthalene	11.91	142	3086	0.044	ng/ul	100
7) Acenaphthylene	13.83	152	17842	0.155	ng/ul	99
8) Acenaphthene	14.18	153	5164	0.065	ng/ul	99
9) Fluorene	15.17	166	9104	0.095	ng/ul	99
11) Pentachlorophenol	16.52	266	438m	0.032	ng/ul	
12) Phenanthrene	16.90	178	183831m	1.179	ng/ul	
13) Anthracene	16.99	178	35569m	0.223	ng/ul	
15) Fluoranthene	18.93	202	413456m	2.133	ng/ul	
17) Pyrene	19.30	202	374980	2.500	ng/ul	98
18) Benzo(a)anthracene	21.06	228	181158m	1.228	ng/ul	
19) Chrysene	21.11	228	181433	1.313	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	194466m	1.722	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	62575m	0.572	ng/ul	
23) Benzo(a)pyrene	23.11	252	134372m	1.264	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.30	276	88529m	0.772	ng/ul	
25) Dibenzo(a,h)anthracene	25.31	278	23369m	0.255	ng/ul	
26) Benzo(g,h,i)perylene	25.93	276	85803m	0.893	ng/ul	

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

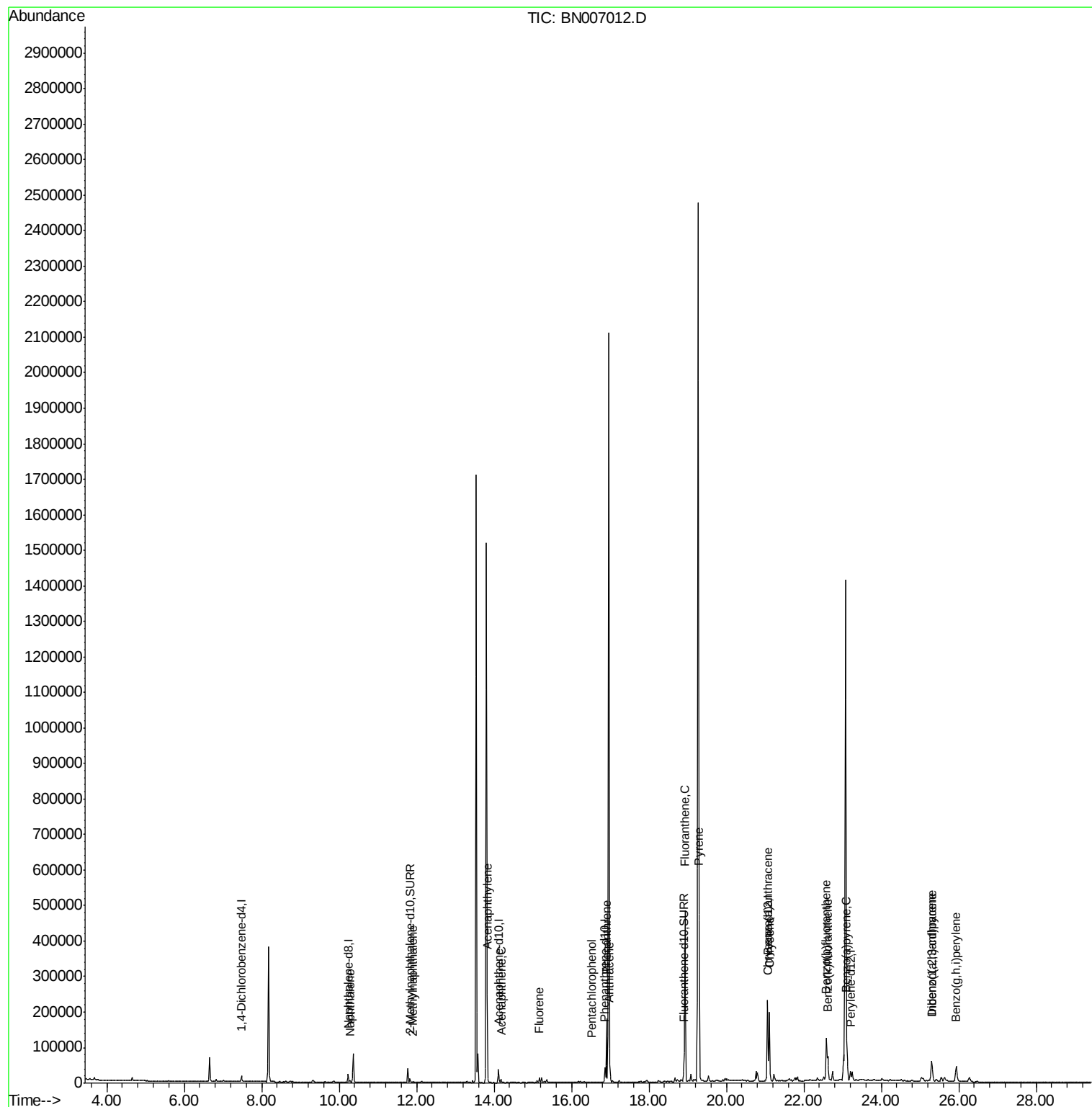
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN007012.D
Acq On : 08 Aug 2019 06:52
Operator : HP/JU
Sample : K3962-20
Misc :
ALS Vial : 33 Sample Multiplier: 1

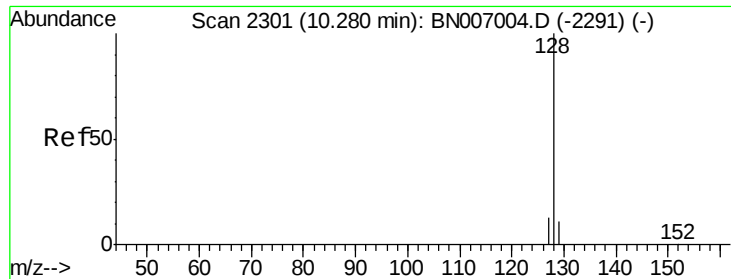
Instrument :
BNA_N
ClientSampleId :
BENZ6

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM

Quant Time: Aug 08 08:58:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.071 ng/u1

RT: 10.28 min Scan# 2301

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

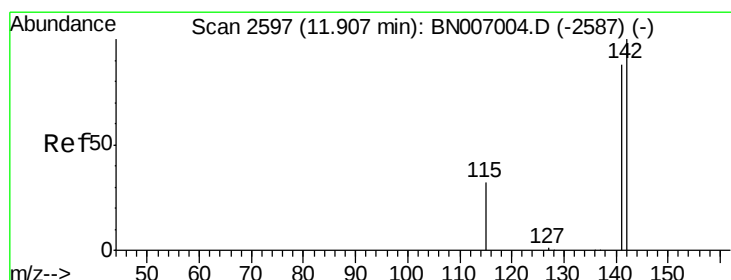
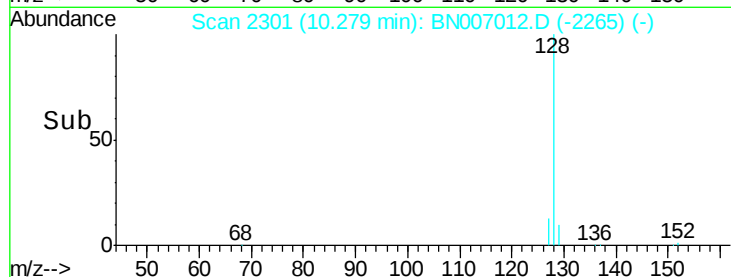
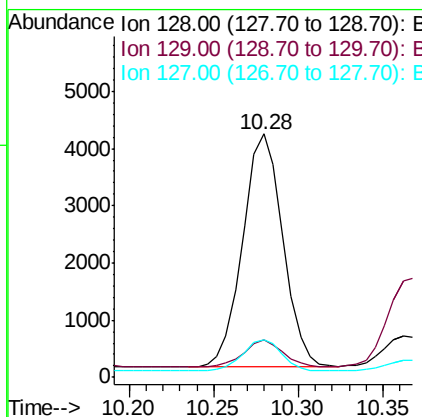
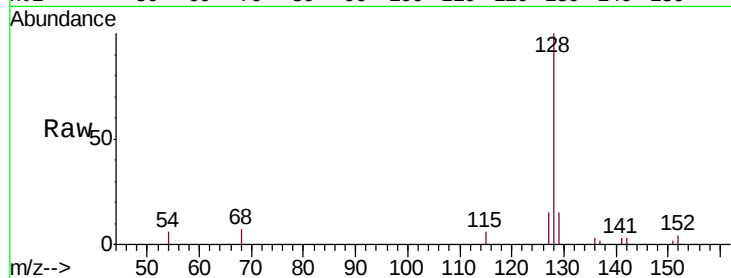
ClientSampleId :

BENZ6

Tgt Ion:	128	Resp:	6680
Ion Ratio	Lower	Upper	
128	100		
129	15.2	10.0	15.0#
127	15.3	11.7	17.5

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#5

2-Methylnaphthalene

Concen: 0.044 ng/u1

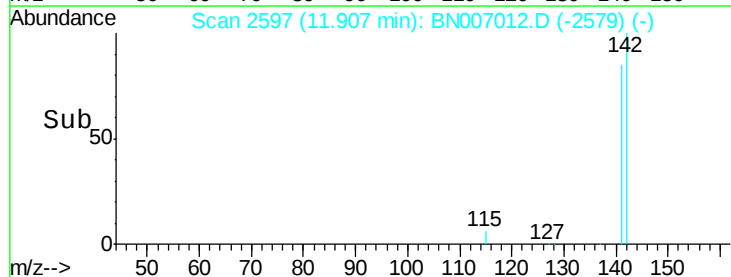
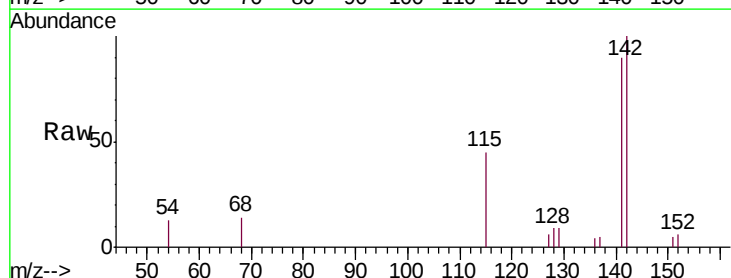
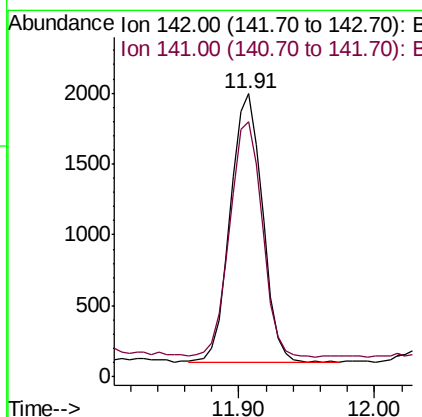
RT: 11.91 min Scan# 2597

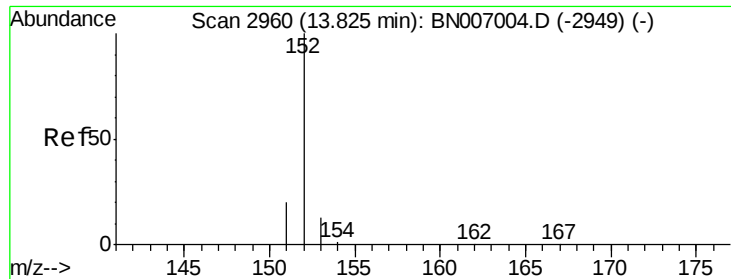
Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt Ion:	142	Resp:	3086
Ion Ratio	Lower	Upper	
142	100		
141	88.6	71.0	106.6





#7

Acenaphthylene

Concen: 0.155 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

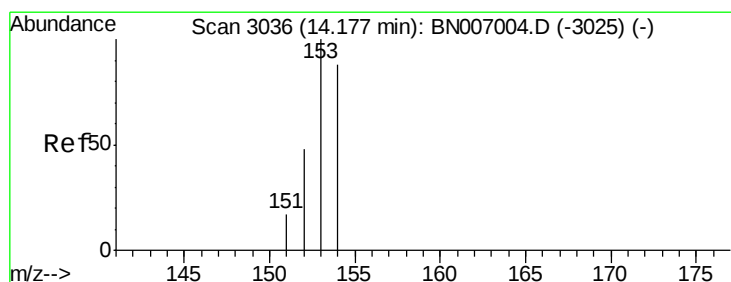
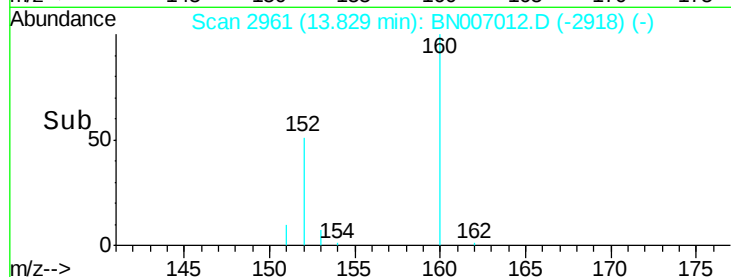
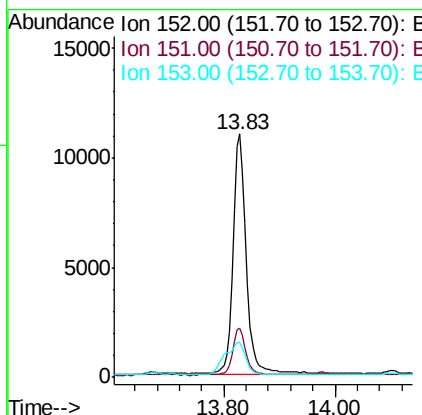
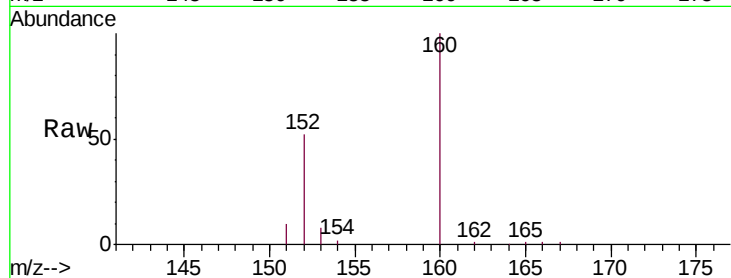
ClientSampleId :

BENZ6

Tgt Ion:	152	Resp:	17842
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.3	24.5
153	14.6	11.0	16.4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#8

Acenaphthene

Concen: 0.065 ng/ul

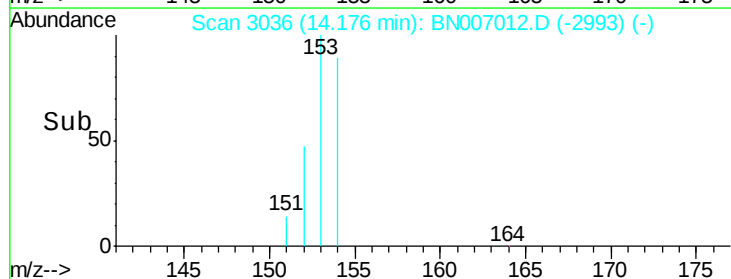
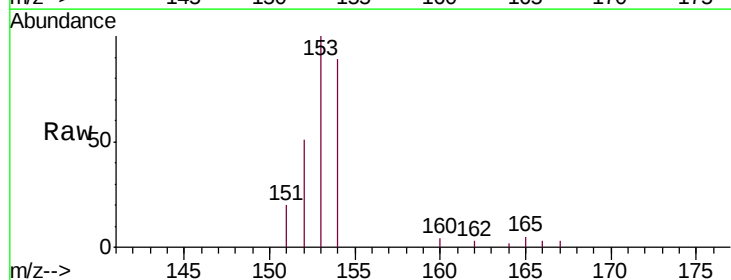
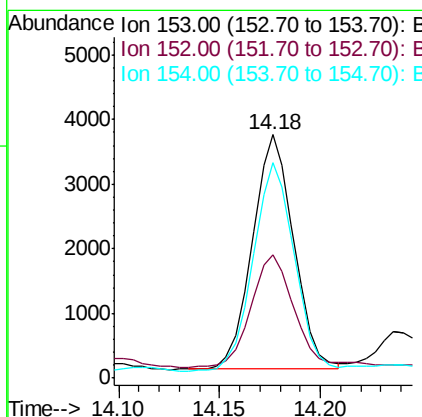
RT: 14.18 min Scan# 3036

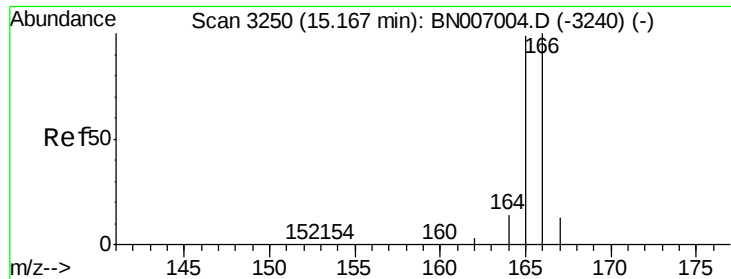
Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt Ion:	153	Resp:	5164
Ion Ratio	Lower	Upper	
153	100		
152	50.8	39.4	59.2
154	88.6	70.1	105.1





#9

Fluorene

Concen: 0.095 ng/ul

RT: 15.17 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

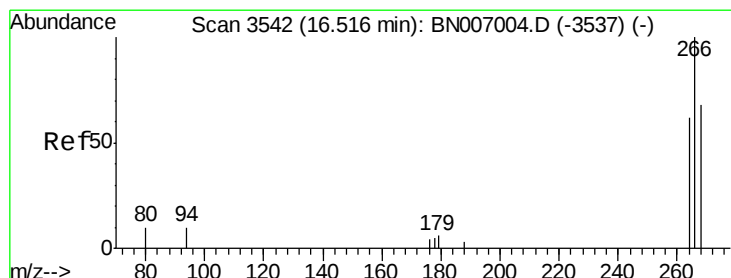
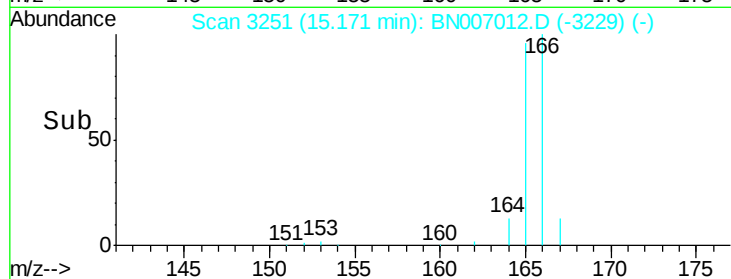
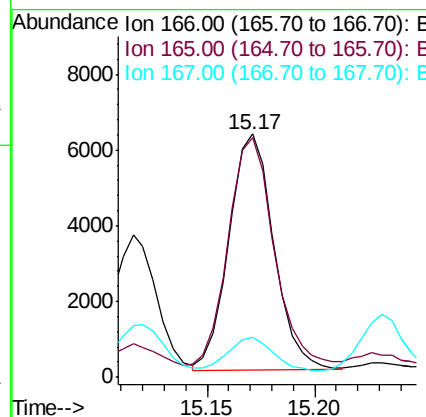
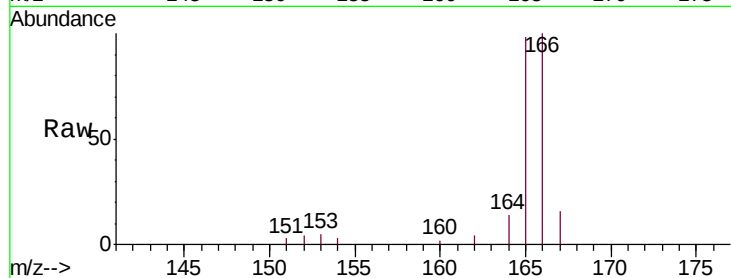
ClientSampleId :

BENZ6

Tgt Ion:	166	Resp:	9104
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.8	118.2
167	16.4	11.3	16.9

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#11

Pentachlorophenol

Concen: 0.032 ng/ul m

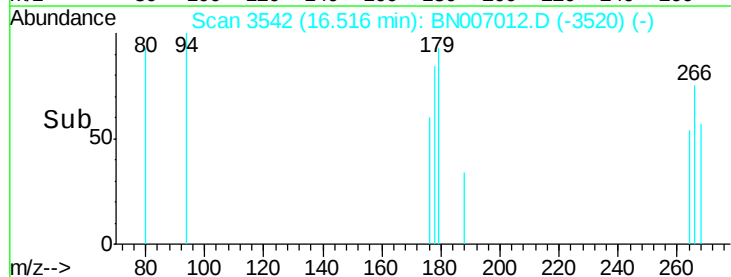
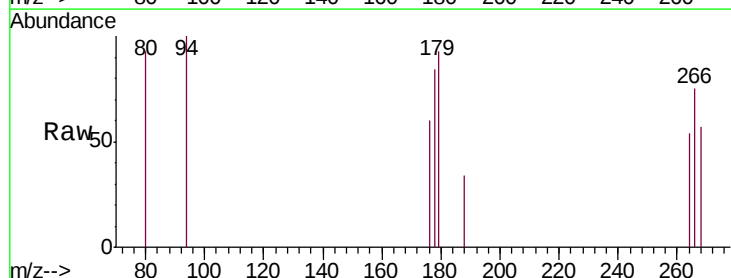
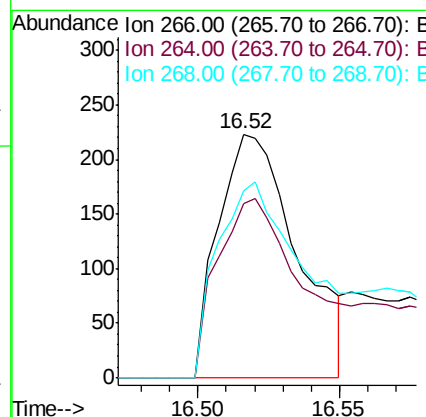
RT: 16.52 min Scan# 3542

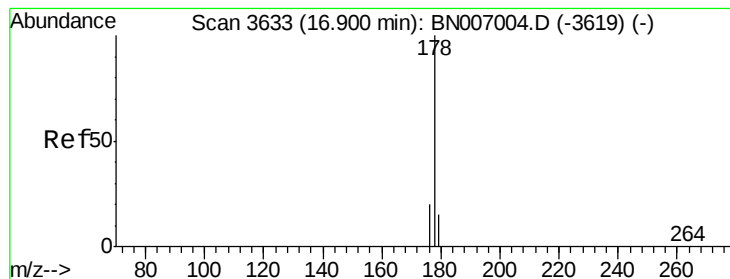
Delta R.T. 0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt Ion:	266	Resp:	438
Ion Ratio	Lower	Upper	
266	100		
264	1.4	55.7	83.5#
268	0.0	75.2	112.8#





#12

Phenanthrene

Concen: 1.179 ng/ul m

RT: 16.90 min Scan# 3634

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

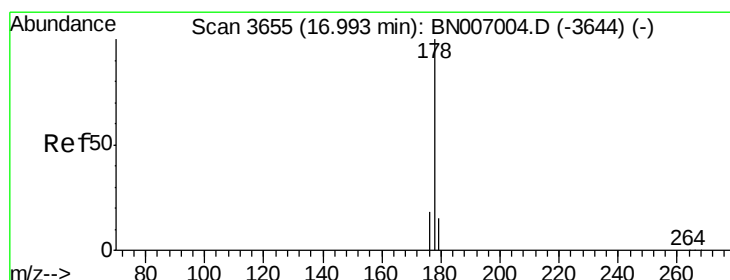
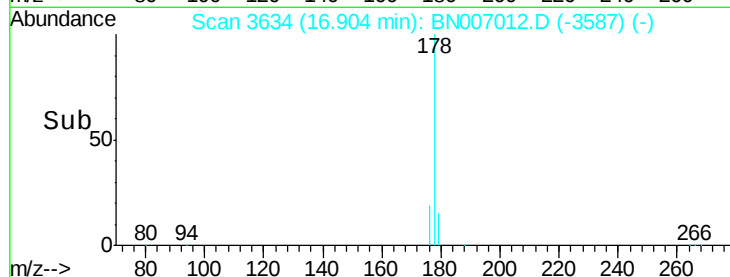
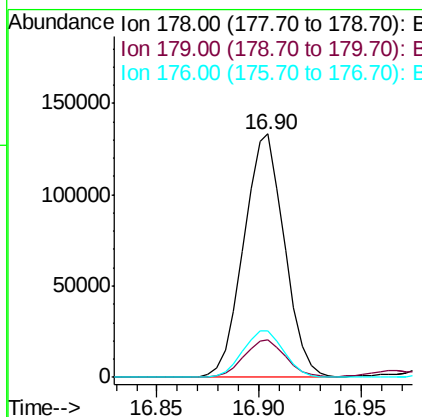
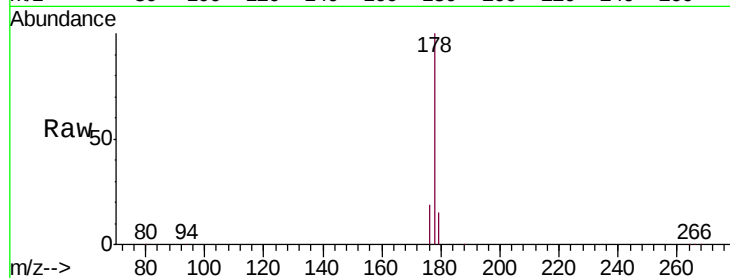
ClientSampleId :

BENZ6

Tgt	Ion:178	Resp:	183831
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.5	18.7
176	19.1	15.6	23.4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#13

Anthracene

Concen: 0.223 ng/ul m

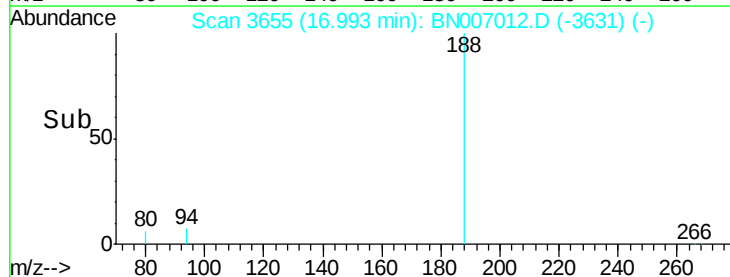
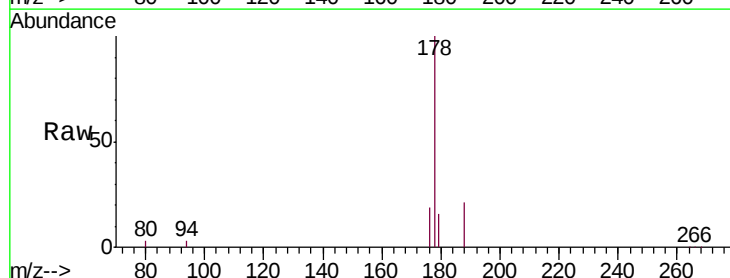
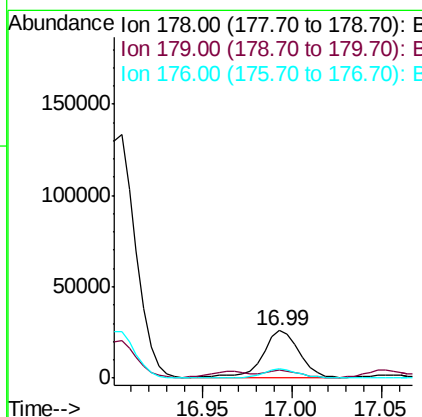
RT: 16.99 min Scan# 3655

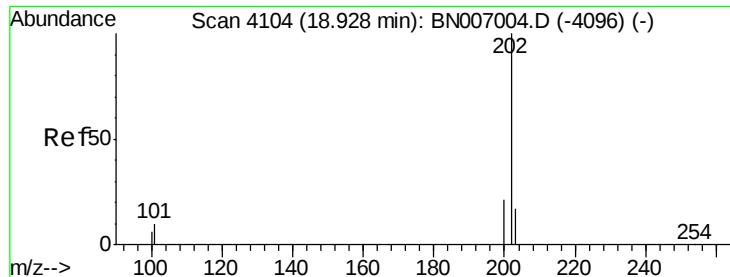
Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt	Ion:178	Resp:	35569
Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.6	18.8
176	18.9	15.4	23.0





#15

Fluoranthene

Concen: 2.133 ng/ul m

RT: 18.93 min Scan# 4105

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

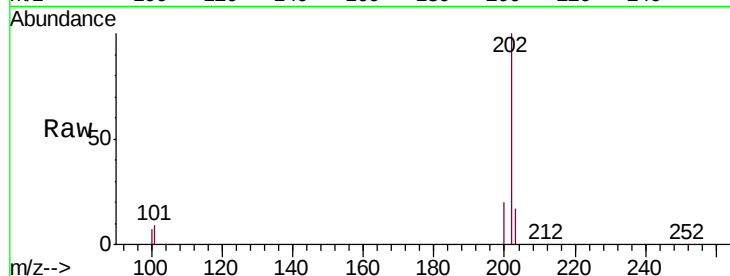
ClientSampleId :

BENZ6

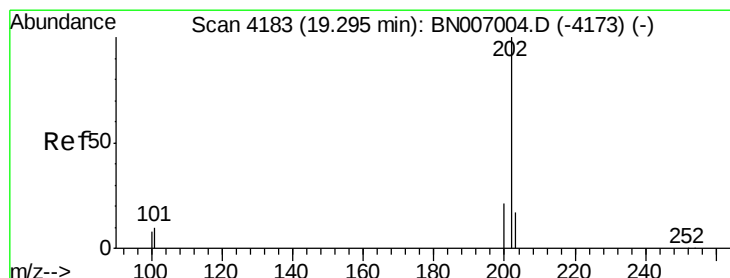
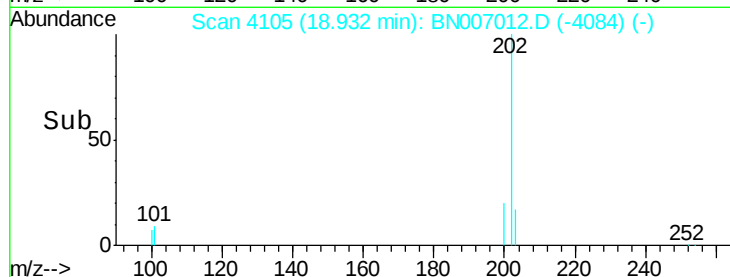
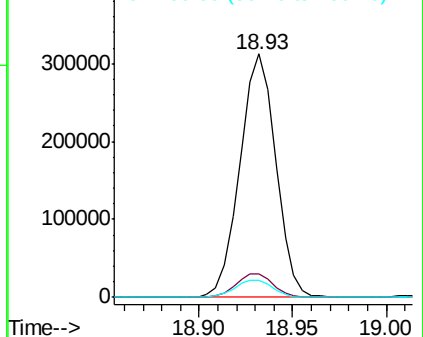
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		413456		
101	9.5	0.0	30.0		
100	7.1	0.0	27.7		

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



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: 2.500 ng/ul

RT: 19.30 min Scan# 4184

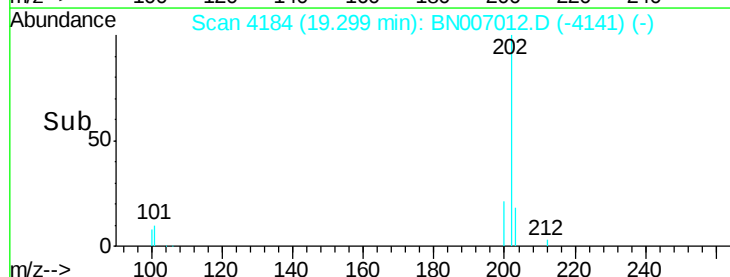
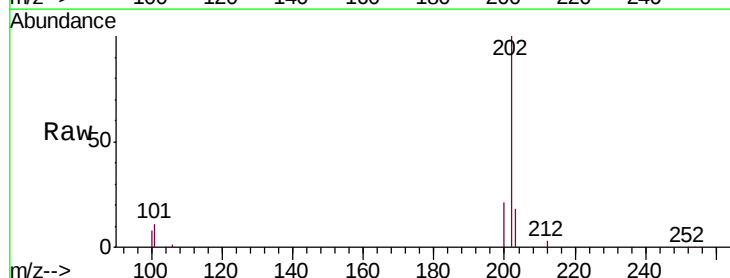
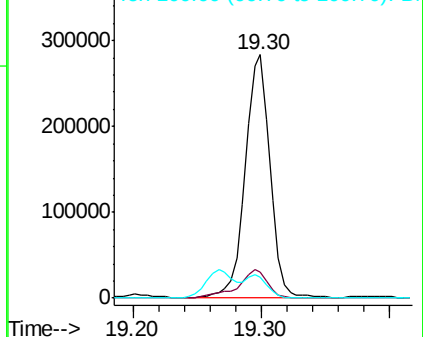
Delta R.T. -0.00 min

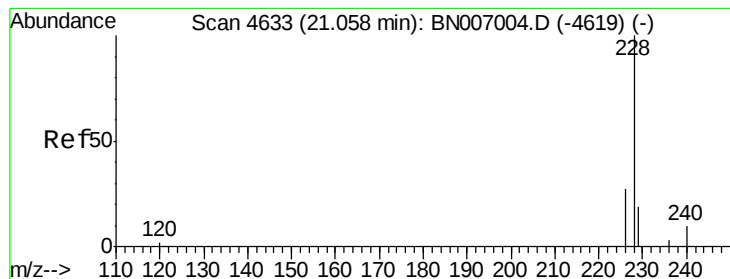
Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		374980		
101	10.6	9.3	13.9		
100	8.3	7.3	10.9		

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





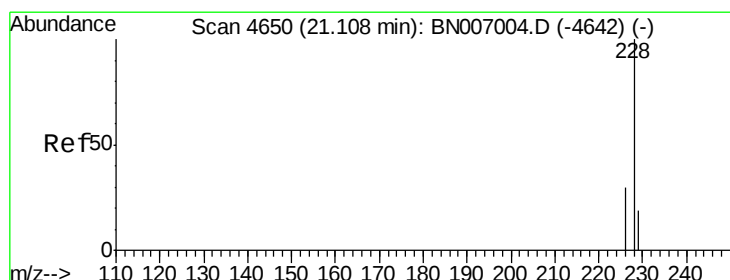
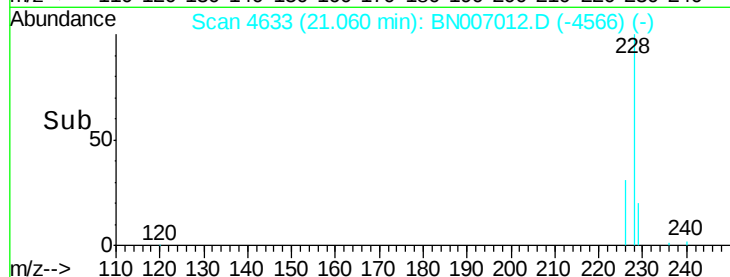
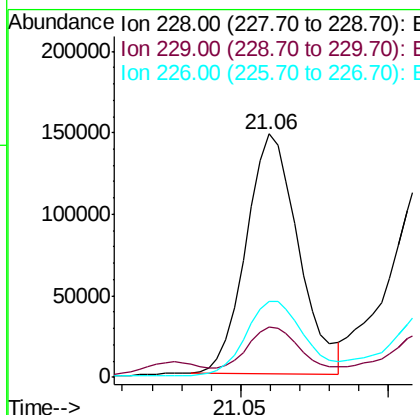
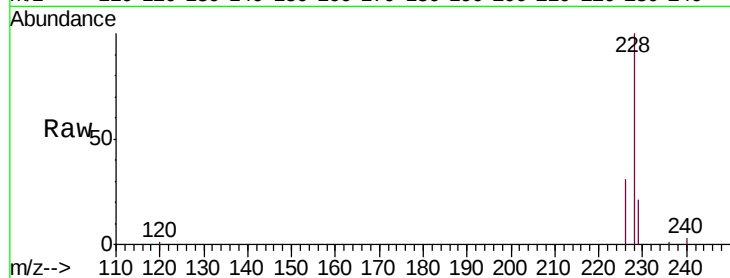
#18
Benzo(a)anthracene
Concen: 1.228 ng/ul m
RT: 21.06 min Scan# 4633
Delta R.T. -0.00 min
Lab File: BN007012.D
Acq: 08 Aug 2019 06:52

Instrument :
BNA_N
ClientSampleId :
BENZ6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.9	23.9
226	31.5	22.2	33.4

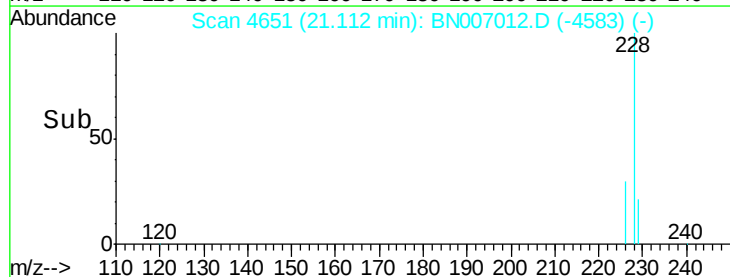
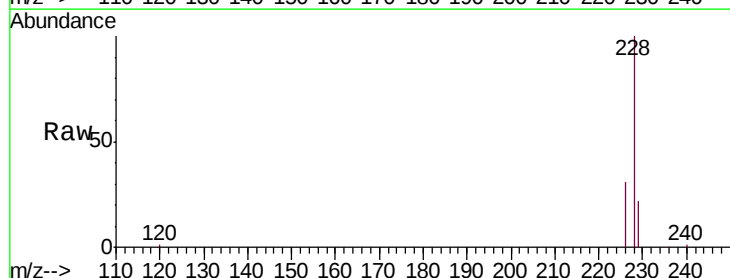
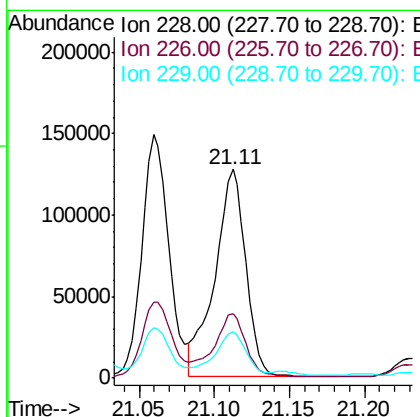
Manual Integrations
APPROVED

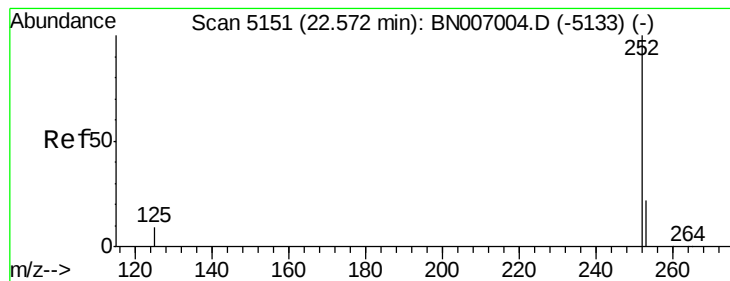
mohammad
8/9/2019 6:16:10 AM



#19
Chrysene
Concen: 1.313 ng/ul
RT: 21.11 min Scan# 4651
Delta R.T. -0.00 min
Lab File: BN007012.D
Acq: 08 Aug 2019 06:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	22.3	15.5	23.3





#21

Benzo(b)fluoranthene

Concen: 1.722 ng/ul m

RT: 22.58 min Scan# 5153

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

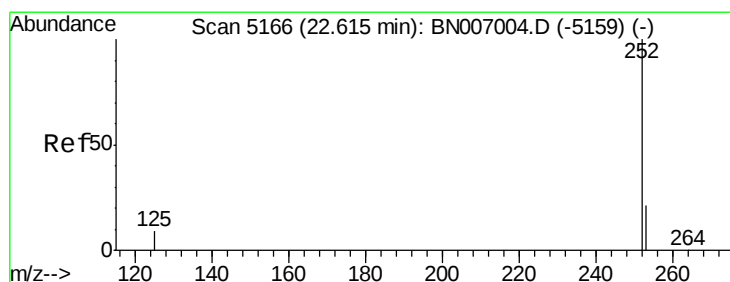
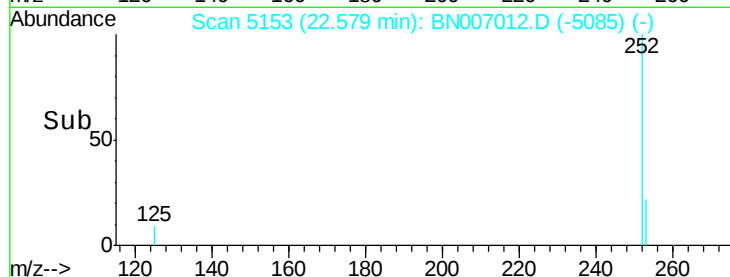
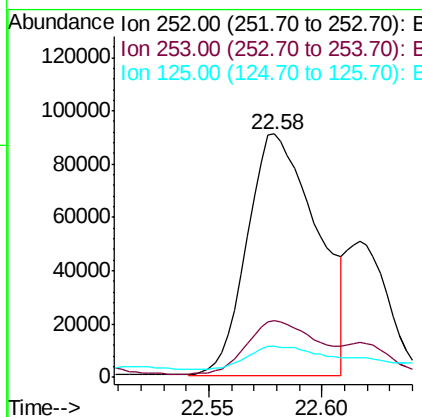
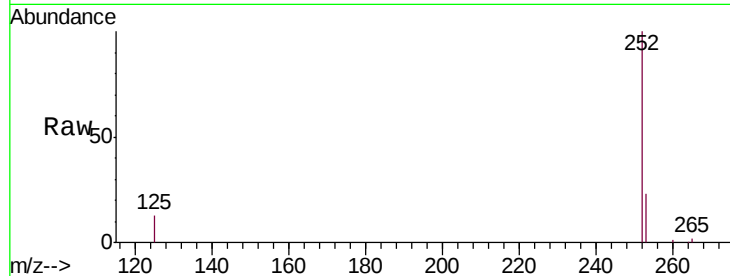
ClientSampleId :

BENZ6

Tgt Ion:	252	Resp:	194466
Ion Ratio	Lower	Upper	
252	100		
253	23.2	0.0	45.2
125	12.5	0.0	22.2

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#22

Benzo(k)fluoranthene

Concen: 0.572 ng/ul m

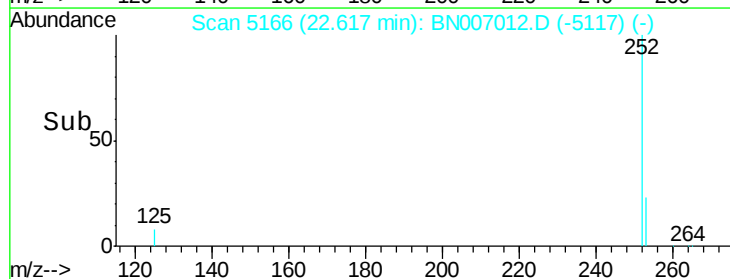
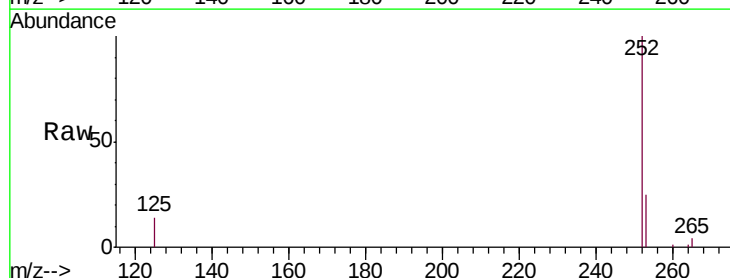
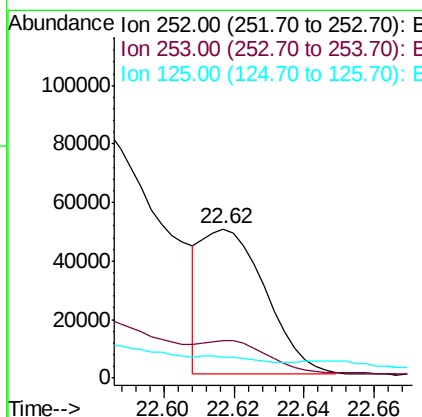
RT: 22.62 min Scan# 5166

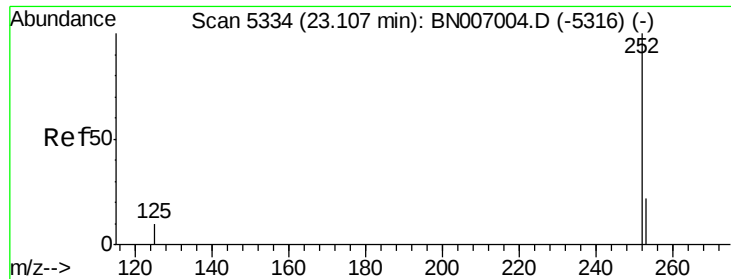
Delta R.T. -0.01 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt Ion:	252	Resp:	62575
Ion Ratio	Lower	Upper	
252	100		
253	25.5	18.6	28.0
125	14.2	8.7	13.1#





#23

Benzo(a)pyrene

Concen: 1.264 ng/ul m

RT: 23.11 min Scan# 5336

Delta R.T. -0.00 min

Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Instrument :

BNA_N

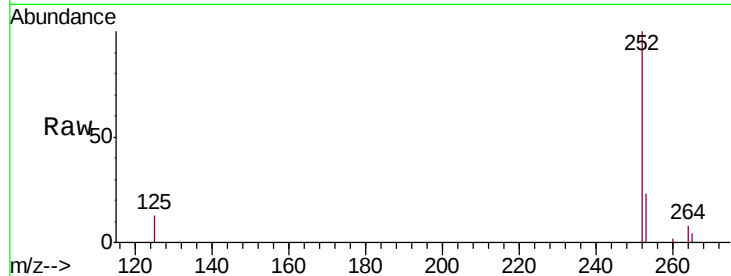
ClientSampled :

BENZ6

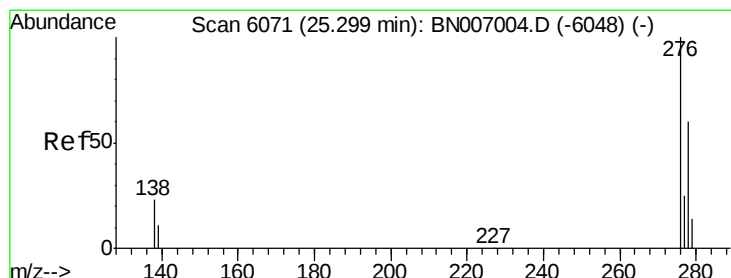
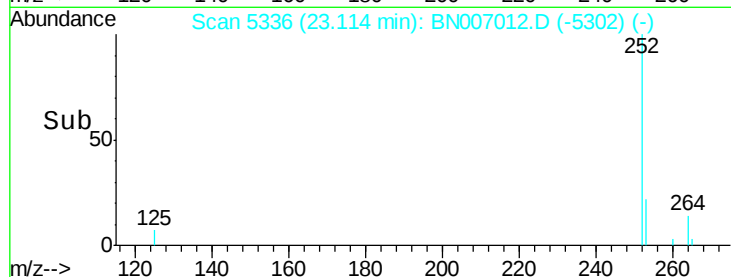
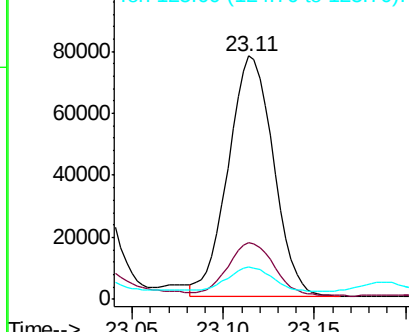
Tgt Ion:	252	Resp:	134372
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	13.2	10.0	15.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.772 ng/ul m

RT: 25.30 min Scan# 6071

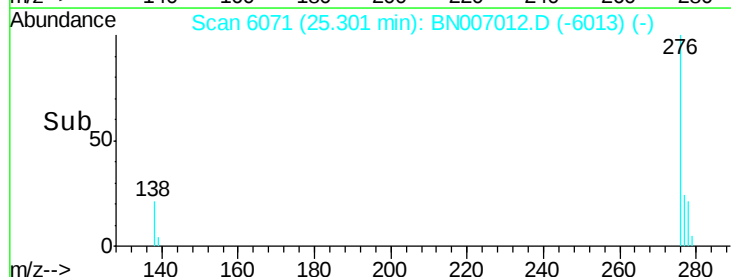
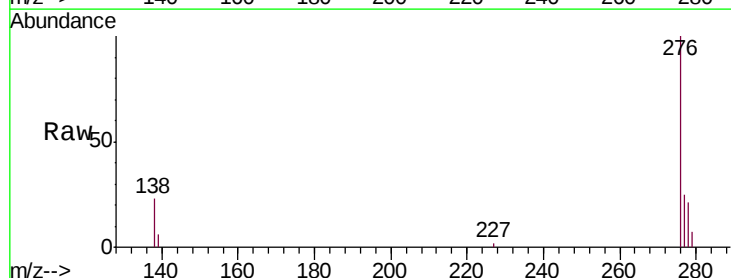
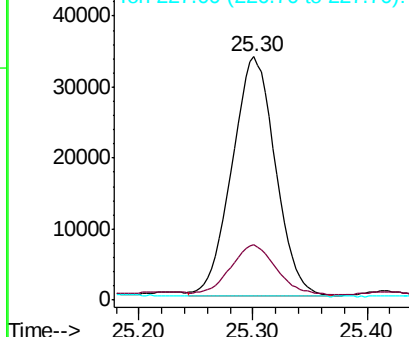
Delta R.T. -0.01 min

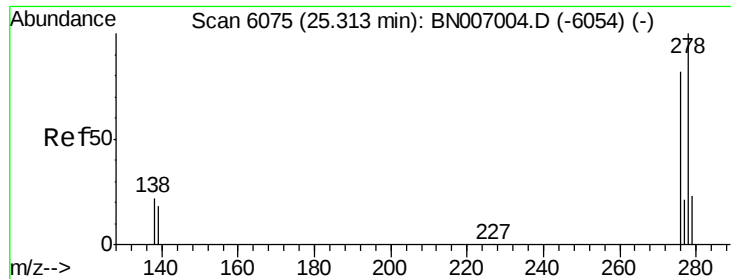
Lab File: BN007012.D

Acq: 08 Aug 2019 06:52

Tgt Ion:	276	Resp:	88529
Ion Ratio	Lower	Upper	
276	100		
138	2.7	19.9	29.9#
227	0.0	0.2	0.4#

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





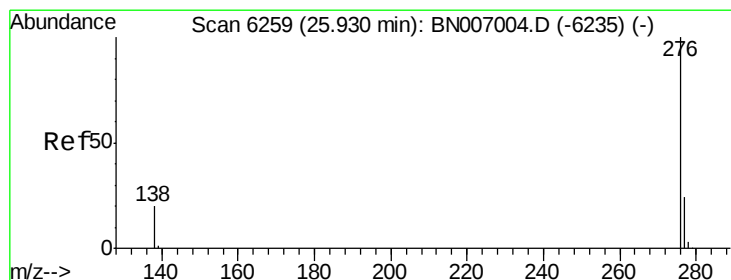
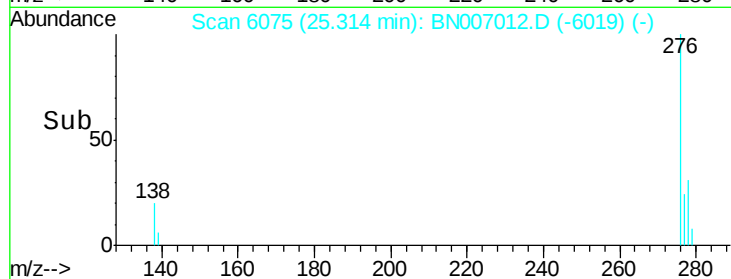
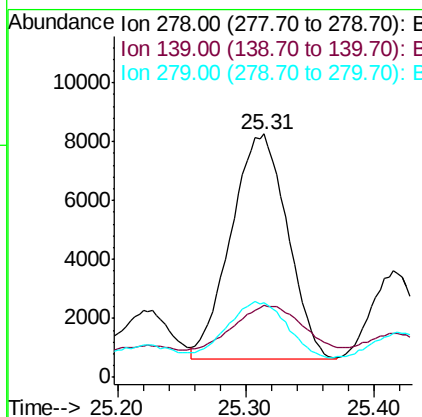
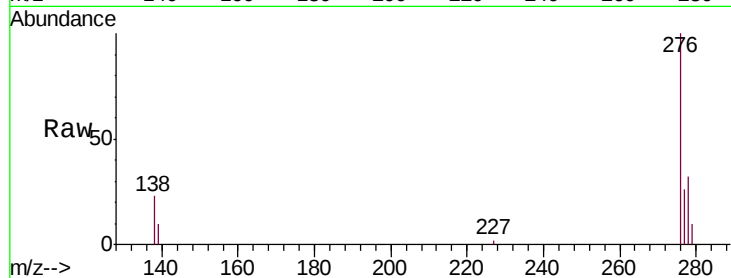
#25
Dibenzo(a,h)anthracene
Concen: 0.255 ng/ul m
RT: 25.31 min Scan# 6075
Delta R.T. -0.01 min
Lab File: BN007012.D
Acq: 08 Aug 2019 06:52

Instrument :
BNA_N
ClientSampleId :
BENZ6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.8	14.3	21.5#
279	30.5	19.6	29.4#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:16:10 AM



#26
Benzo(g,h,i)perylene
Concen: 0.893 ng/ul m
RT: 25.93 min Scan# 6260
Delta R.T. -0.00 min
Lab File: BN007012.D
Acq: 08 Aug 2019 06:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.7	28.1
277	25.2	19.3	28.9

