

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007456.D
 Acq On : 28 Aug 2019 05:42
 Operator : HP/JU
 Sample : K4337-14DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AF6DL

Manual Integrations
 APPROVED

mohammad
 8/28/2019 7:49:08 AM

Quant Time: Aug 28 06:43:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 02:09:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5090	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21572	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	12310	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26537	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	23085	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	25741	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	2954	0.09	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	7877	0.09	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.20	128	206693	3.393	ng/ul	99
5) 2-Methylnaphthalene	11.84	142	2334	0.057	ng/ul	99
7) Acenaphthylene	13.76	152	9382	0.137	ng/ul#	94
8) Acenaphthene	14.11	153	307237	6.243	ng/ul	97
9) Fluorene	15.11	166	190884	3.584	ng/ul	97
11) Pentachlorophenol	16.46	266	173	0.029	ng/ul	95
12) Phenanthrene	16.84	178	48909	0.591	ng/ul	99
13) Anthracene	16.93	178	24979	0.320	ng/ul	98
15) Fluoranthene	18.87	202	101472	0.916	ng/ul	99
17) Pyrene	19.24	202	64846	0.574	ng/ul	98
18) Benzo(a)anthracene	21.00	228	17309	0.168	ng/ul	93
19) Chrysene	21.05	228	29398	0.265	ng/ul	98
21) Benzo(b)fluoranthene	22.50	252	30136m	0.268	ng/ul	
22) Benzo(k)fluoranthene	22.54	252	9758m	0.083	ng/ul	
23) Benzo(a)pyrene	23.02	252	20249	0.181	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.18	276	14482	0.115	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.18	278	3077	0.031	ng/ul#	53
26) Benzo(g,h,i)perylene	25.81	276	13230	0.124	ng/ul	96

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

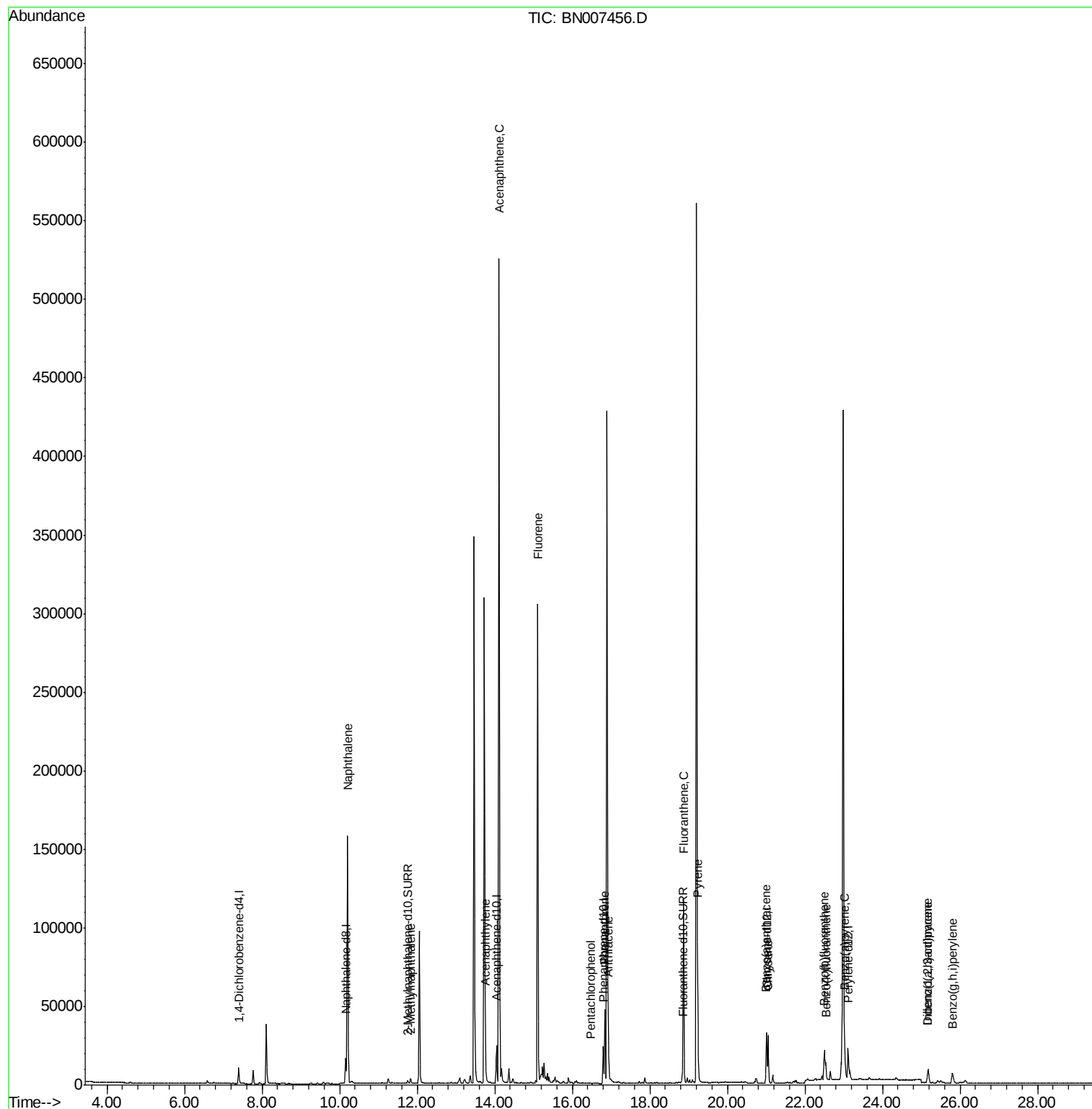
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007456.D
Acq On : 28 Aug 2019 05:42
Operator : HP/JU
Sample : K4337-14DL 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

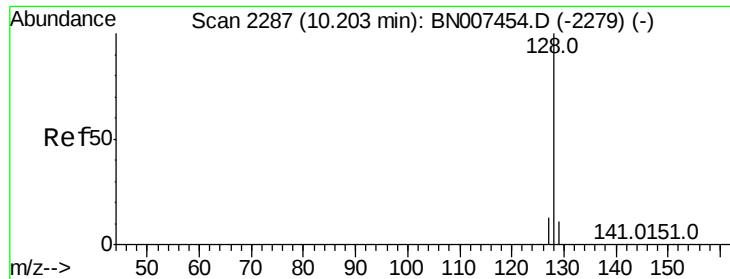
Instrument :
BNA_N
ClientSampleId :
C0AF6DL

Manual Integrations
APPROVED

mohammad
8/28/2019 7:49:08 AM

Quant Time: Aug 28 06:43:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.393 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

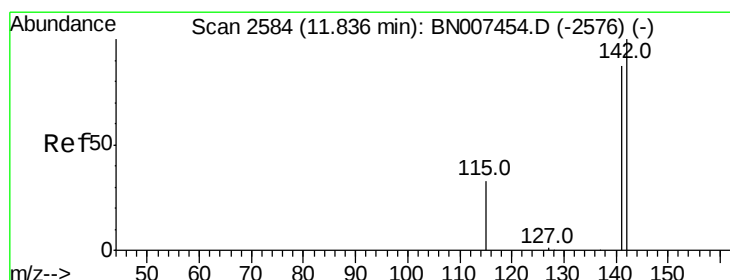
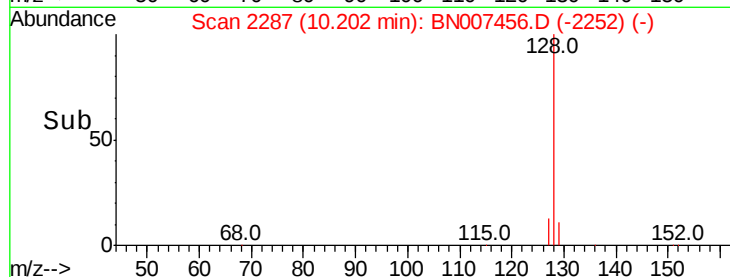
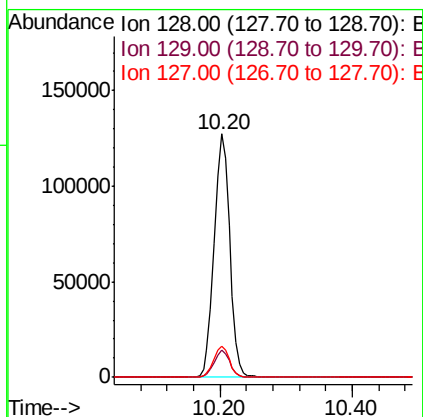
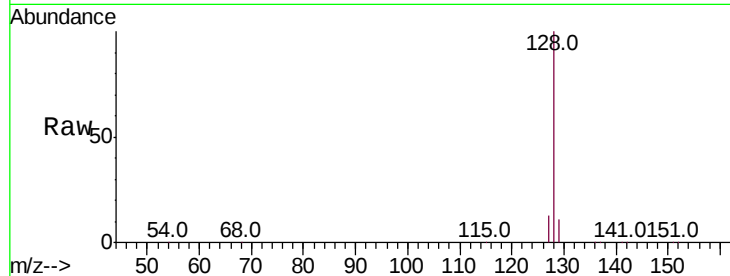
ClientSampleId :

C0AF6DL

Tot Ion:	128	Resp:	206693
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.2	13.8
127	12.9	10.4	15.6

Manual Integrations
APPROVED

mohammad
8/28/2019 7:49:08 AM



#5

2-Methylnaphthalene

Concen: 0.057 ng/ul

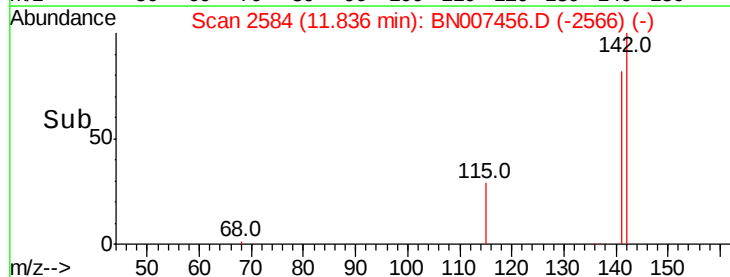
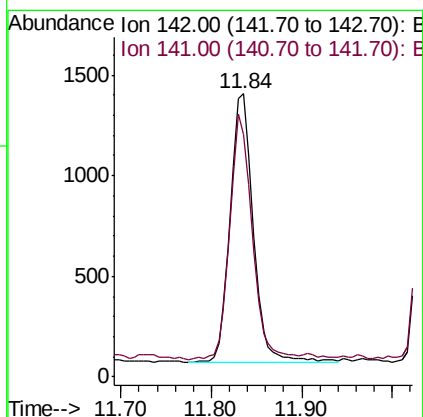
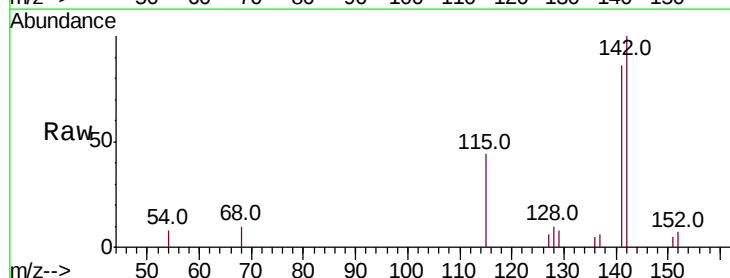
RT: 11.84 min Scan# 2584

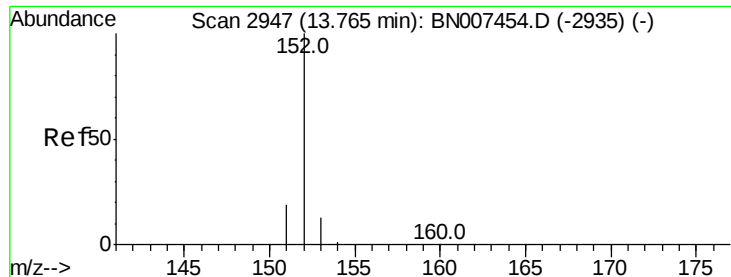
Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Tgt Ion:	142	Resp:	2334
Ion Ratio	Lower	Upper	
142	100		
141	88.3	71.7	107.5





#7

Acenaphthylene

Concen: 0.137 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

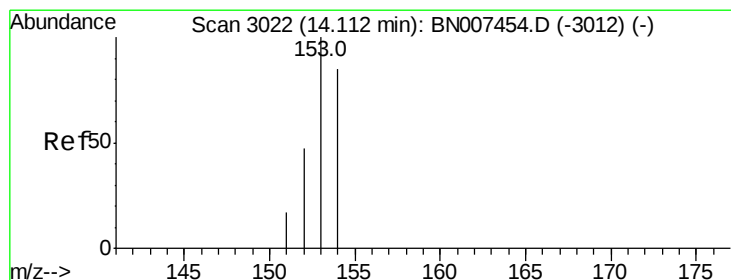
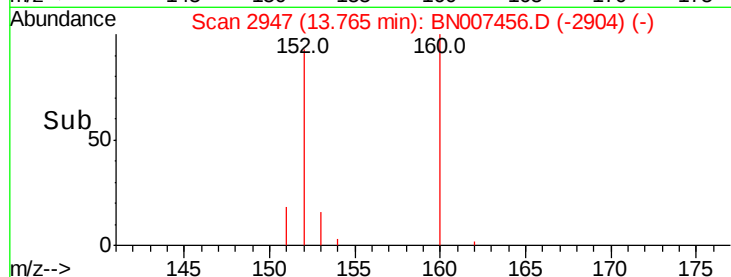
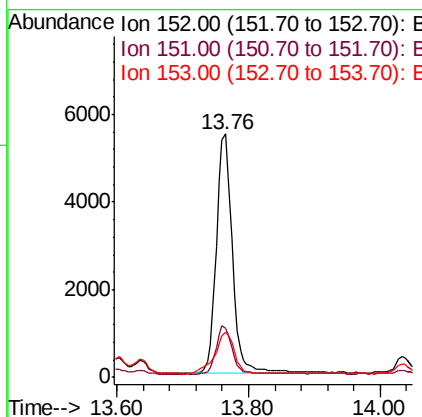
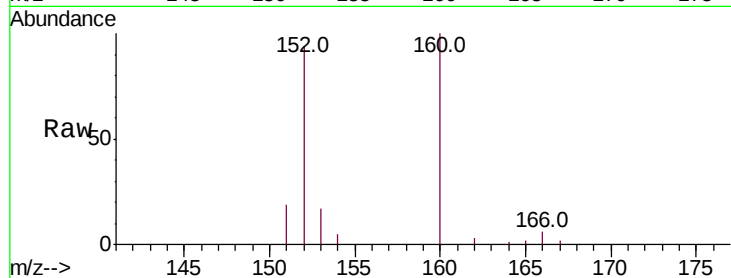
ClientSampleId :

C0AF6DL

Tot Ion:	152	Resp:	9382
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.6
153	18.5	10.8	16.2#

Manual Integrations
APPROVED

mohammad
8/28/2019 7:49:08 AM



#8

Acenaphthene

Concen: 6.243 ng/ul

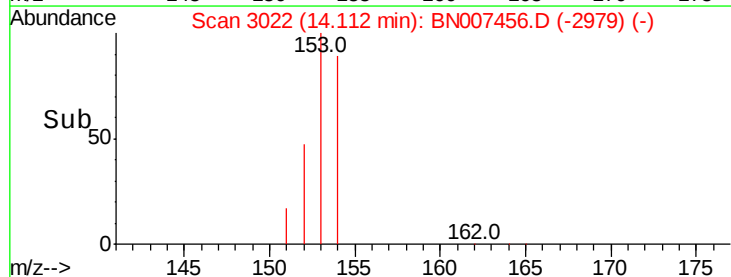
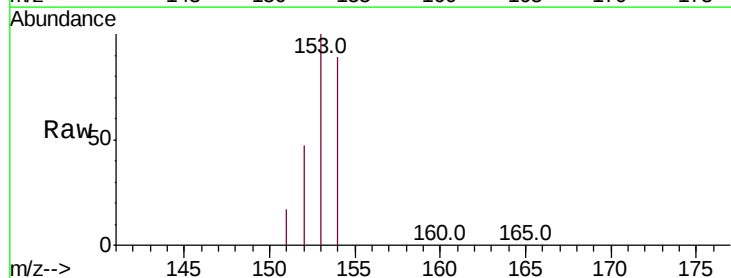
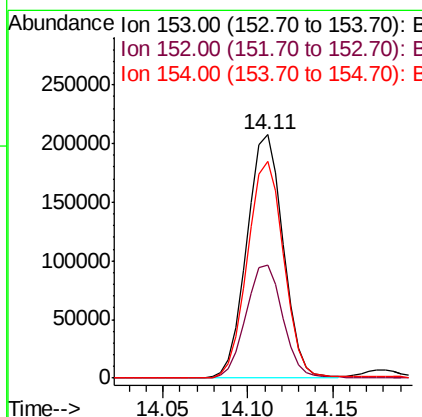
RT: 14.11 min Scan# 3022

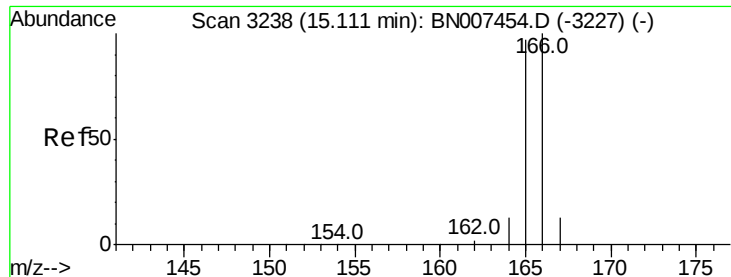
Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Tgt Ion:	153	Resp:	307237
Ion Ratio	Lower	Upper	
153	100		
152	46.6	39.1	58.7
154	89.0	69.4	104.2





#9

Fluorene

Concen: 3.584 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

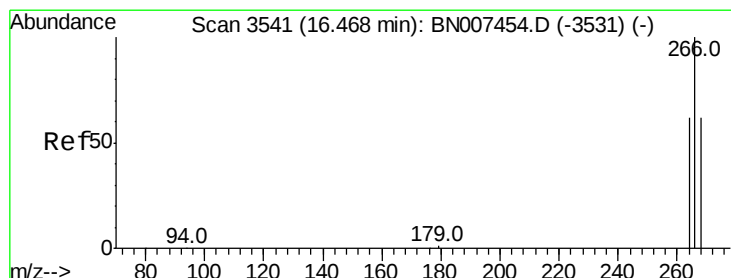
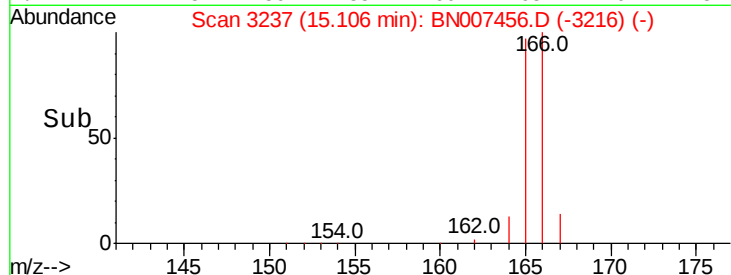
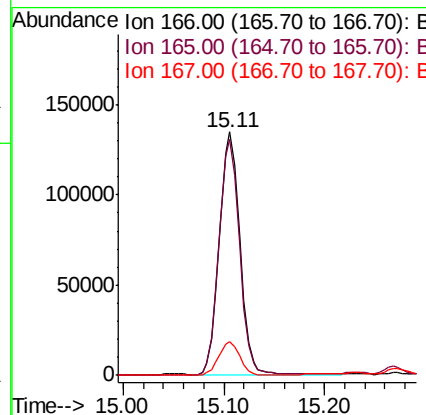
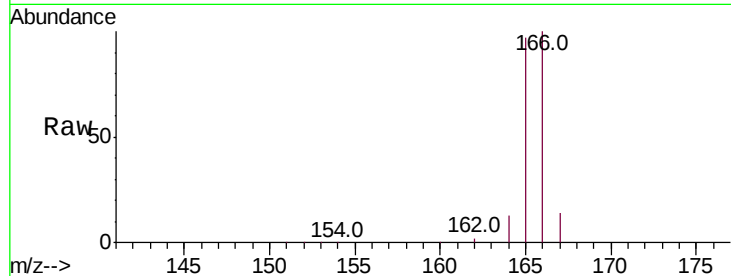
ClientSampleId :

C0AF6DL

Tot Ion:	166	Resp:	190884
Ion Ratio	Lower	Upper	
166	100		
165	96.9	79.6	119.4
167	13.7	11.7	17.5

Manual Integrations
APPROVED

mohammad
8/28/2019 7:49:08 AM



#11

Pentachlorophenol

Concen: 0.029 ng/ul

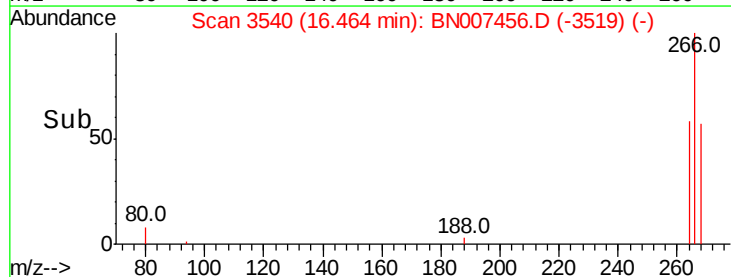
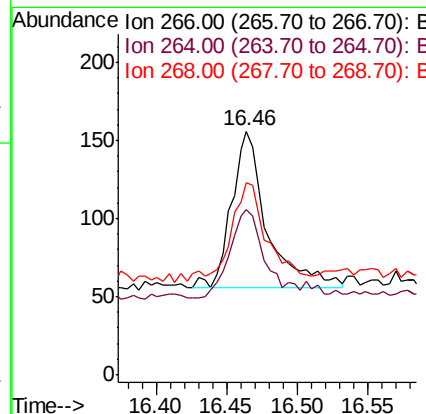
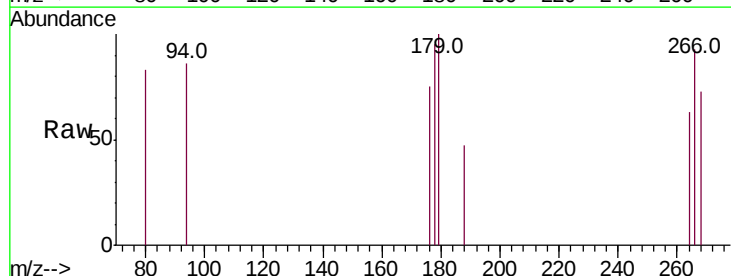
RT: 16.46 min Scan# 3540

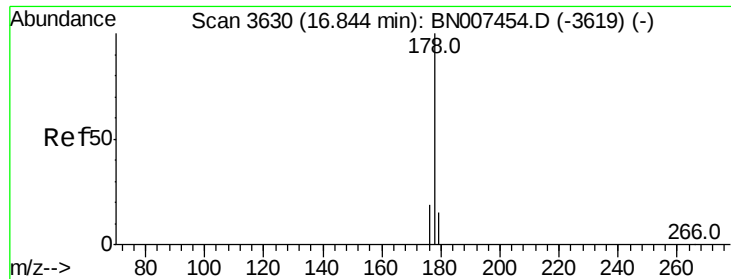
Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Tgt Ion:	266	Resp:	173
Ion Ratio	Lower	Upper	
266	100		
264	56.6	49.0	73.6
268	59.0	50.2	75.2





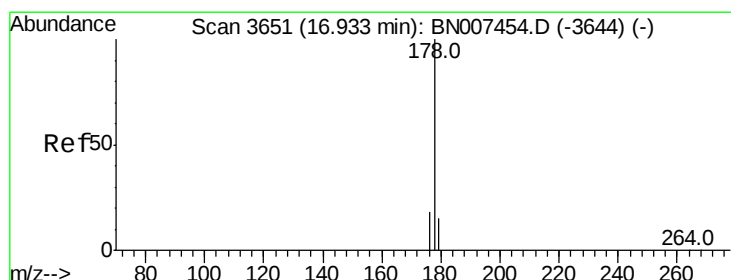
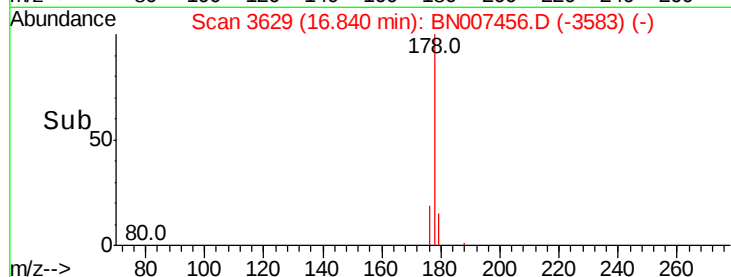
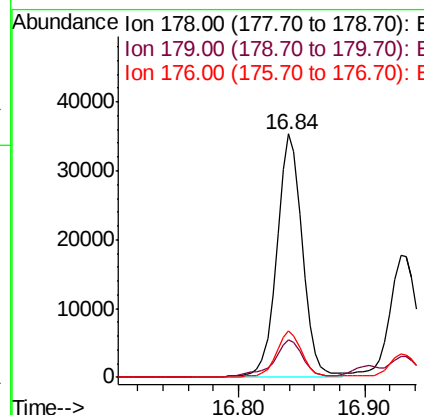
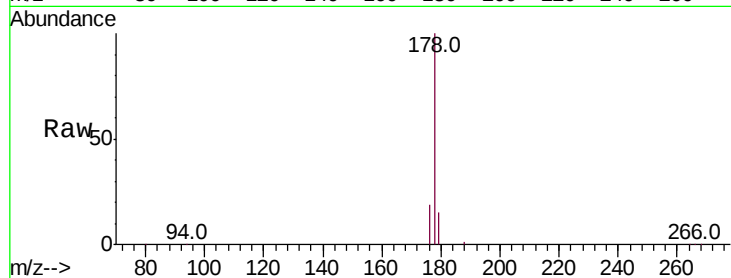
#12
Phenanthrene
Concen: 0.591 ng/ul
RT: 16.84 min Scan# 3629
Delta R.T. -0.00 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :
C0AF6DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.8	19.2
176	18.9	15.2	22.8

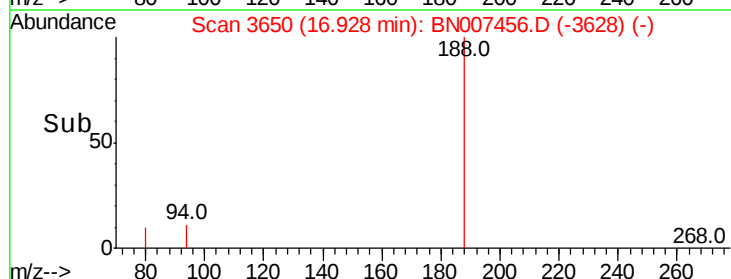
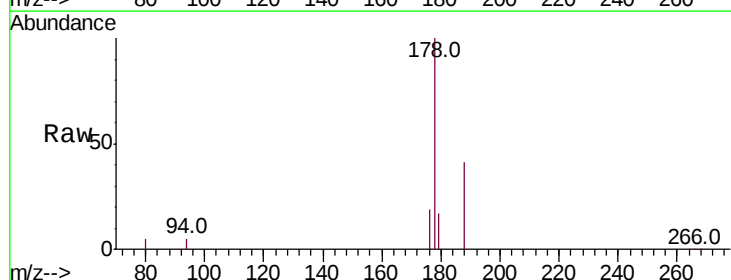
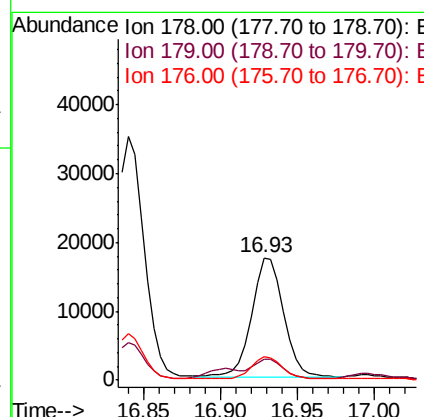
Manual Integrations
APPROVED

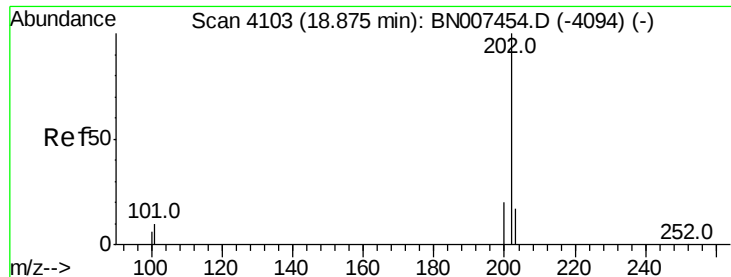
mohammad
8/28/2019 7:49:08 AM



#13
Anthracene
Concen: 0.320 ng/ul
RT: 16.93 min Scan# 3650
Delta R.T. -0.01 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.8	19.2
176	18.8	14.6	21.8





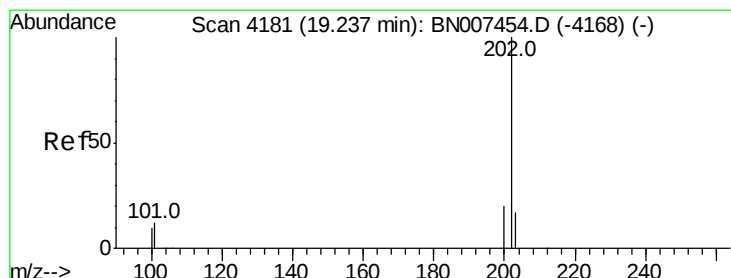
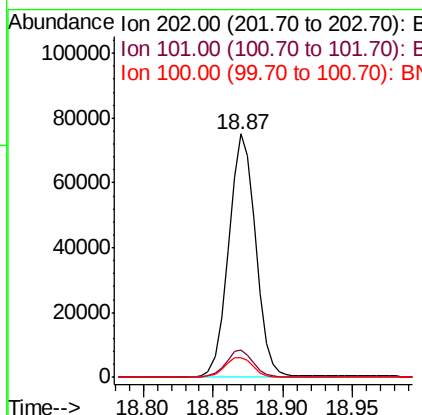
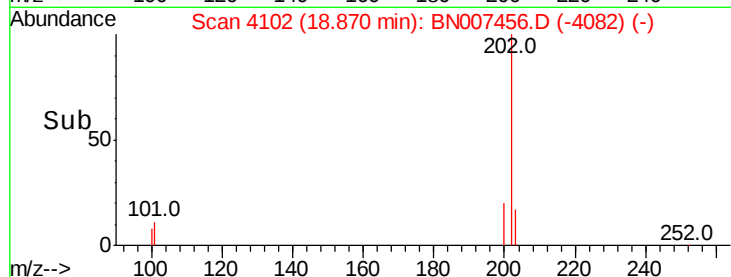
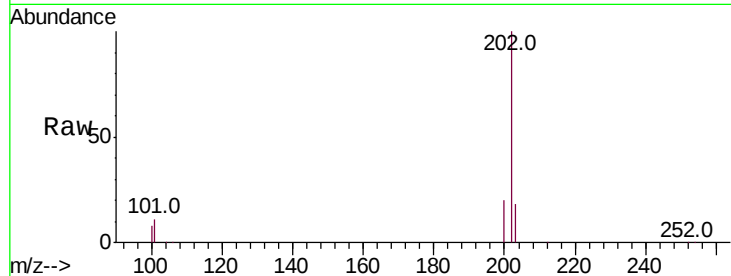
#15
 Fluoranthene
 Concen: 0.916 ng/ul
 RT: 18.87 min Scan# 4102
 Delta R.T. -0.00 min
 Lab File: BN007456.D
 Acq: 28 Aug 2019 05:42

Instrument :
 BNA_N
 ClientSampleId :
 C0AF6DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	31.3
100	8.3	0.0	28.5

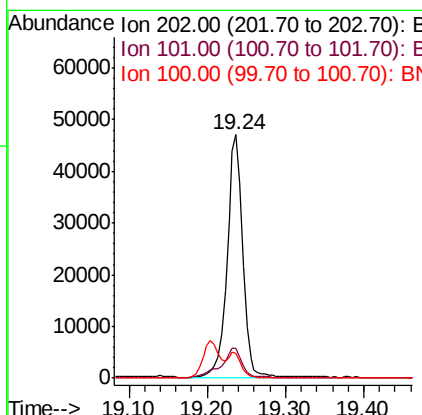
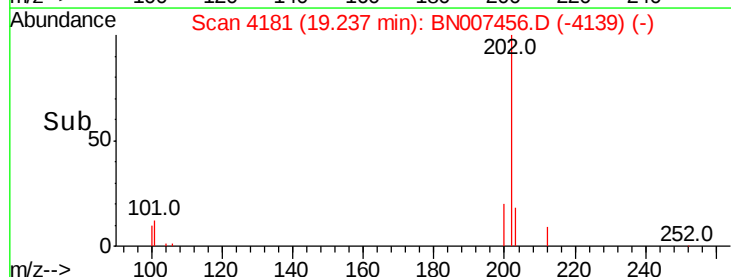
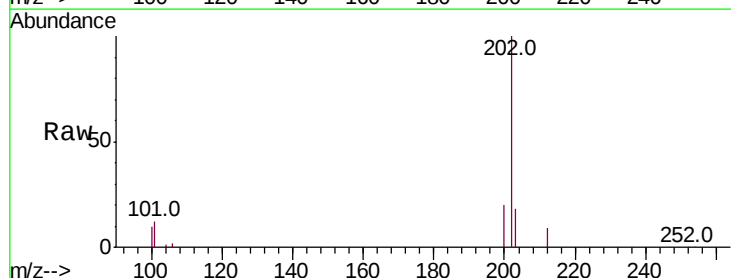
Manual Integrations
 APPROVED

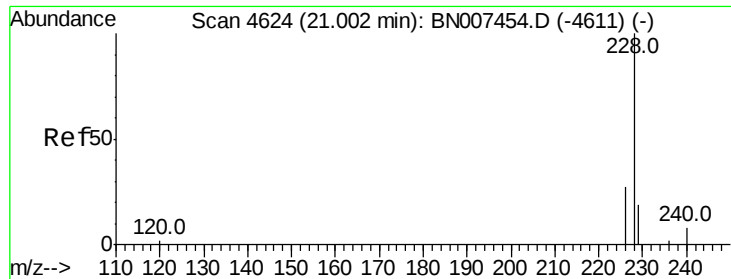
mohammad
 8/28/2019 7:49:08 AM



#17
 Pyrene
 Concen: 0.574 ng/ul
 RT: 19.24 min Scan# 4181
 Delta R.T. -0.00 min
 Lab File: BN007456.D
 Acq: 28 Aug 2019 05:42

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	10.7	16.1
100	9.9	8.6	12.8





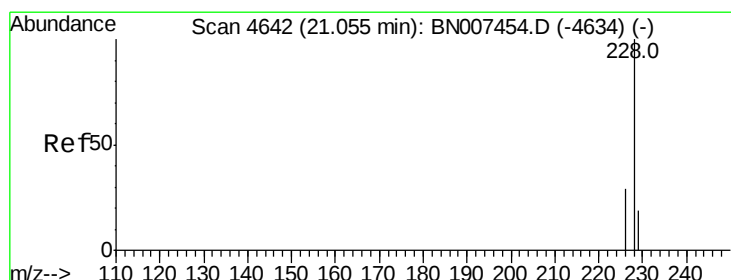
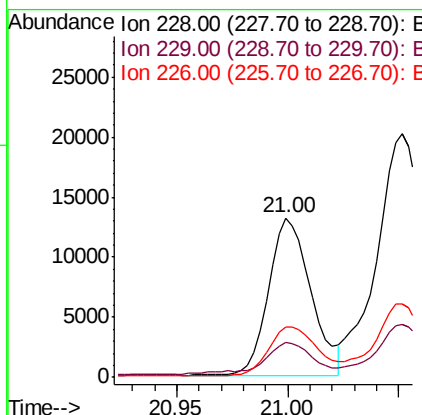
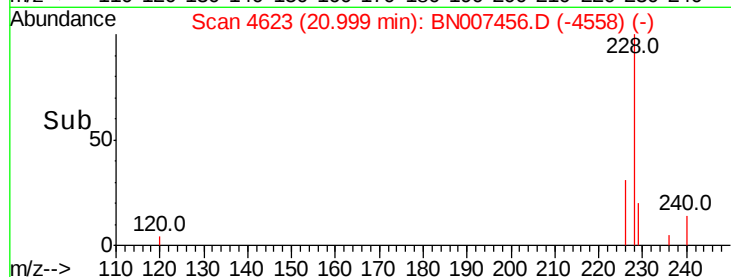
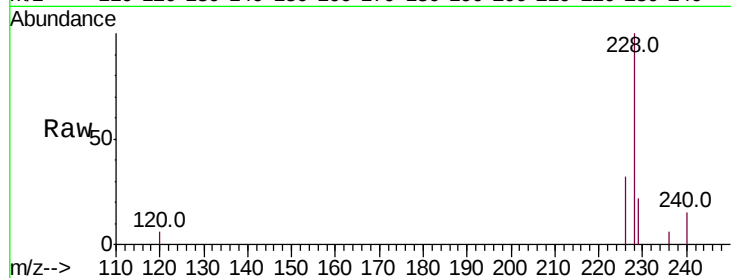
#18
Benzo(a)anthracene
Concen: 0.168 ng/ul
RT: 21.00 min Scan# 4623
Delta R.T. -0.01 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :
C0AF6DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.4	23.2
226	31.5	22.0	33.0

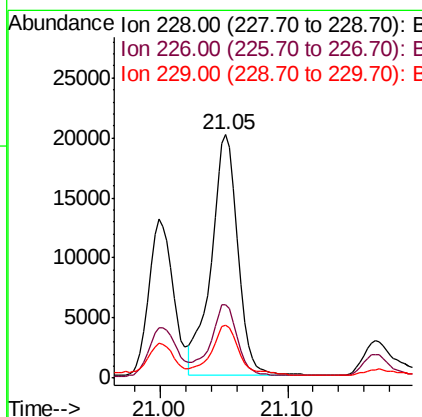
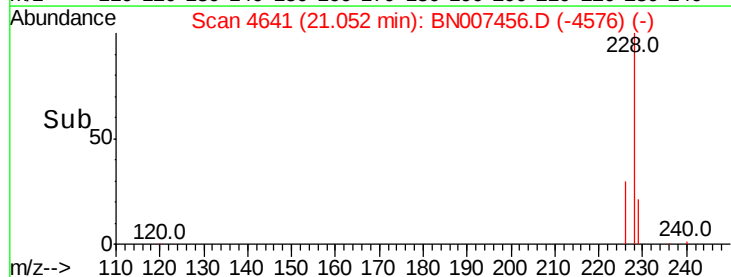
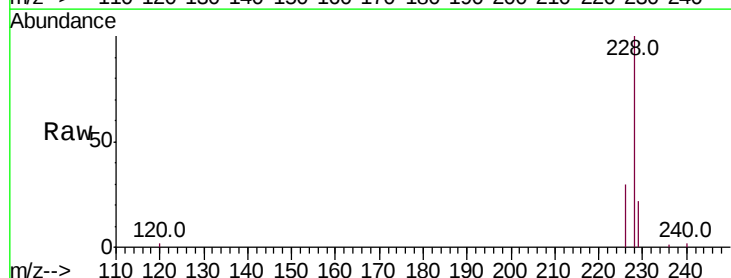
Manual Integrations
APPROVED

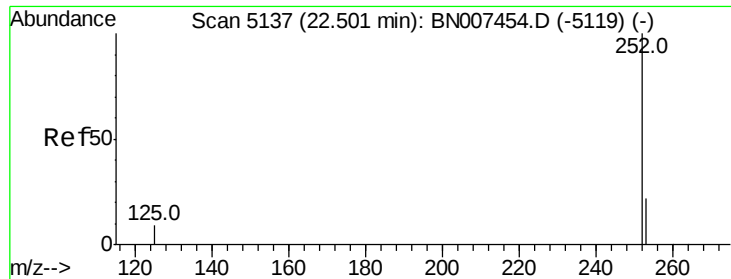
mohammad
8/28/2019 7:49:08 AM



#19
Chrysene
Concen: 0.265 ng/ul
RT: 21.05 min Scan# 4641
Delta R.T. -0.01 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	21.8	16.1	24.1





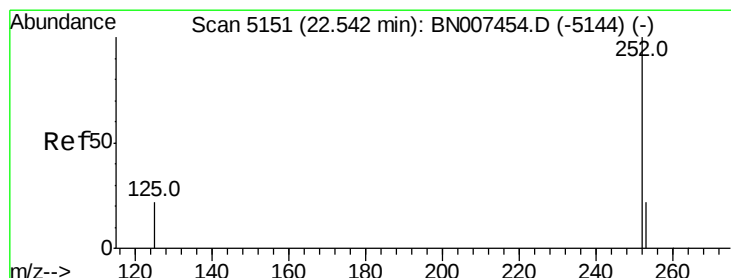
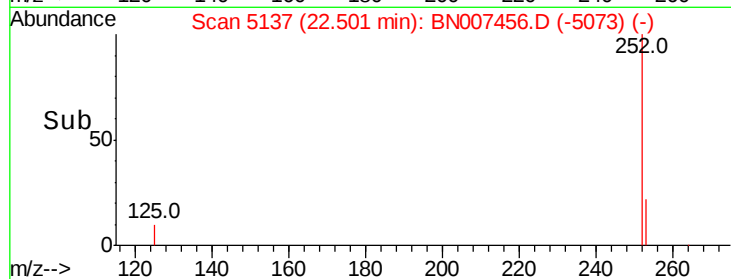
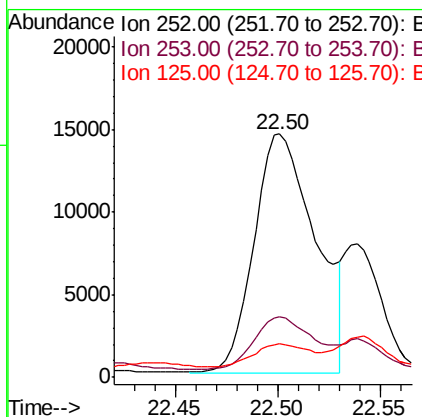
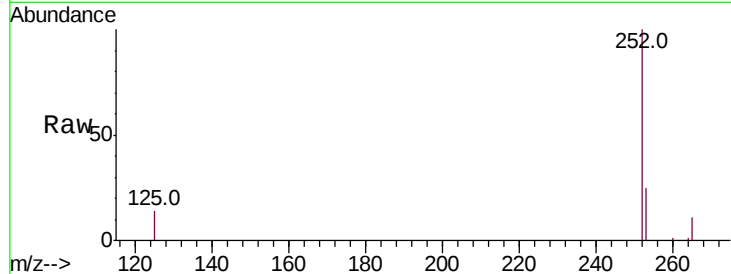
#21
Benzo(b)fluoranthene
Concen: 0.268 ng/ul m
RT: 22.50 min Scan# 5137
Delta R.T. -0.01 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :
C0AF6DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	30136		
253	24.9	0.0	47.0	
125	13.9	0.0	24.8	

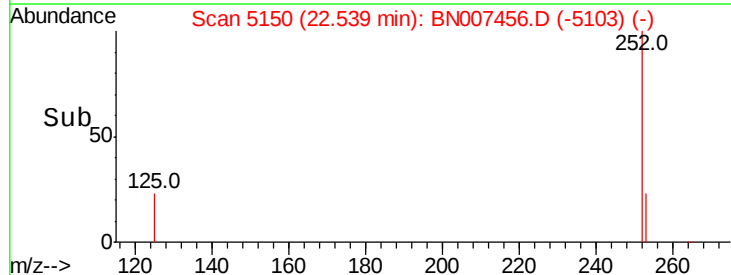
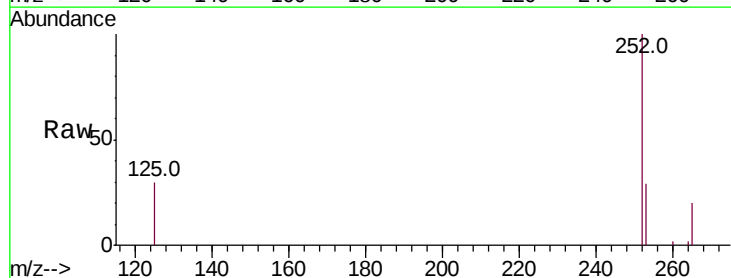
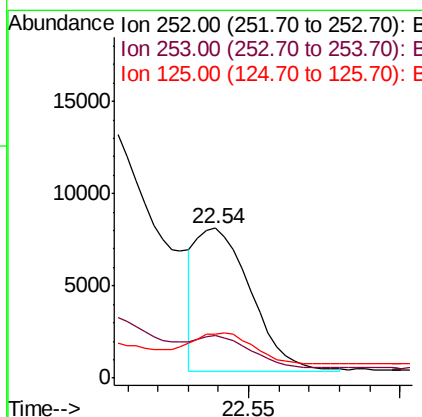
Manual Integrations
APPROVED

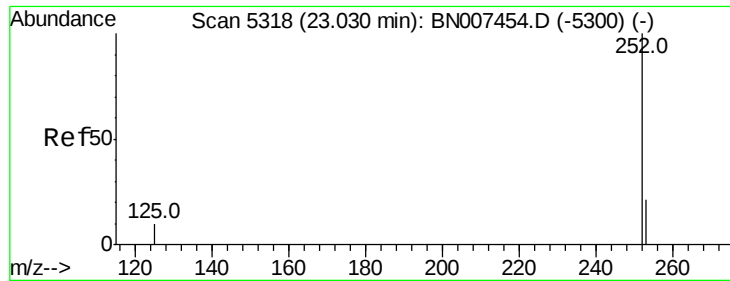
mohammad
8/28/2019 7:49:08 AM



#22
Benzo(k)fluoranthene
Concen: 0.083 ng/ul m
RT: 22.54 min Scan# 5150
Delta R.T. -0.01 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	9758		
253	28.6	18.7	28.1#	
125	29.6	12.4	18.6#	





#23

Benzo(a)pyrene

Concen: 0.181 ng/ul

RT: 23.02 min Scan# 5316

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

C0AF6DL

Tot Ion:252 Resp: 20249

Ion Ratio Lower Upper

252 100

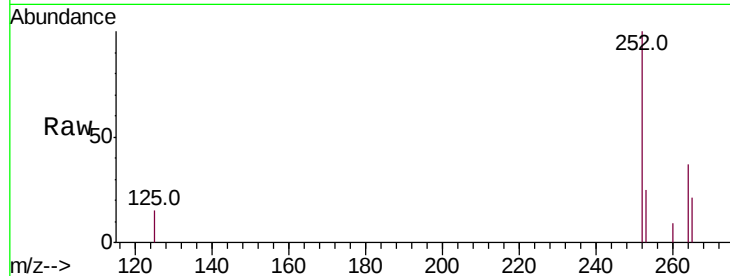
253 24.9 19.0 28.6

125 14.8 11.2 16.8

Manual Integrations
APPROVED

mohammad

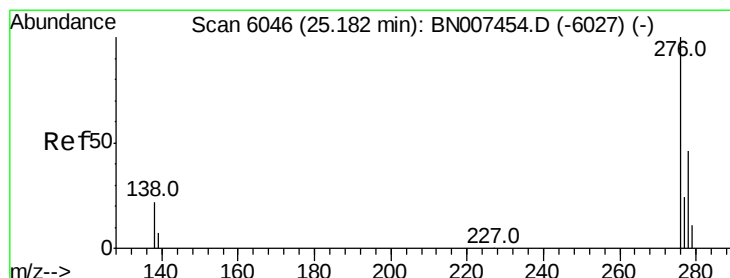
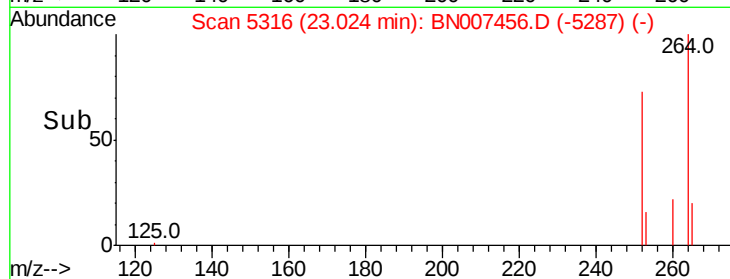
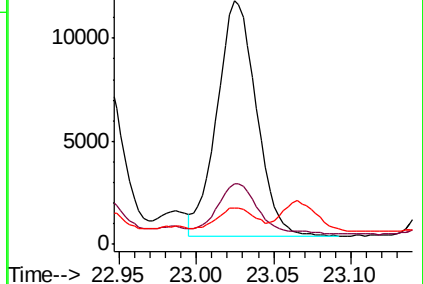
8/28/2019 7:49:08 AM



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: 0.115 ng/ul

RT: 25.18 min Scan# 6045

Delta R.T. -0.02 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Tgt Ion:276 Resp: 14482

Ion Ratio Lower Upper

276 100

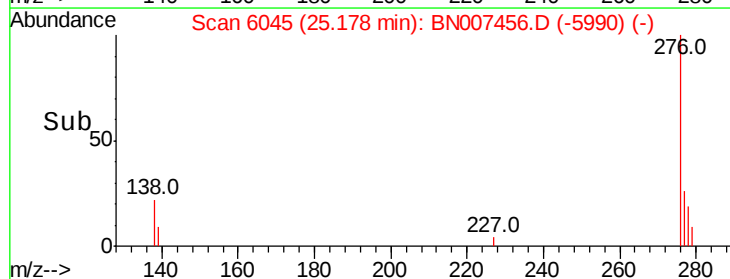
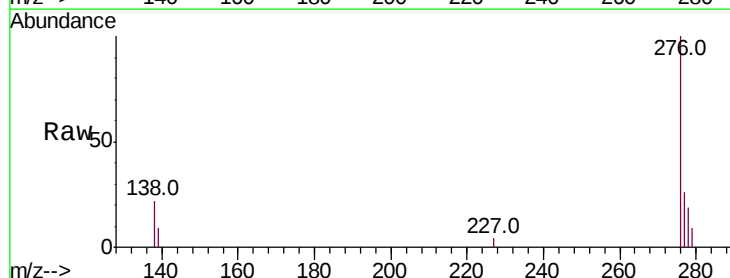
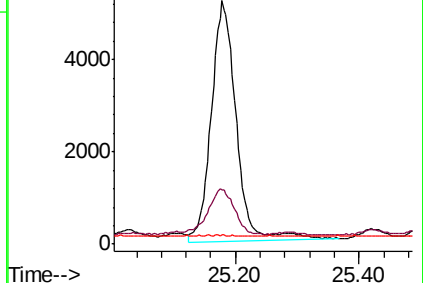
138 21.5 19.7 29.5

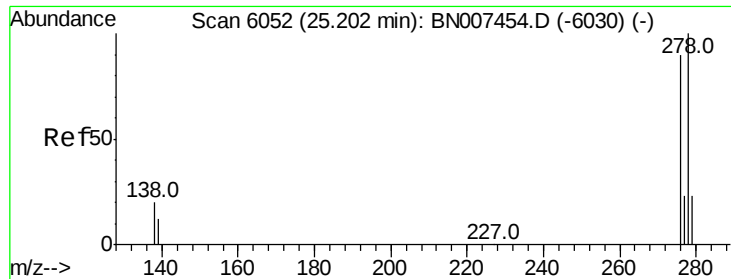
227 0.0 0.1 0.1#

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





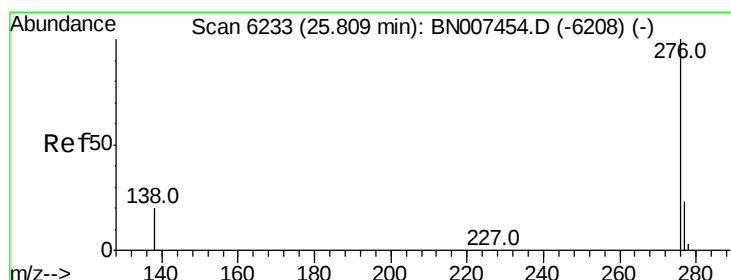
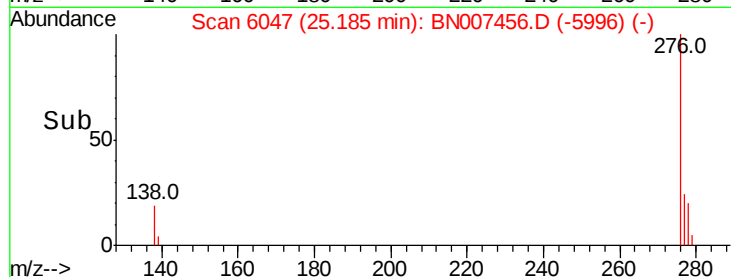
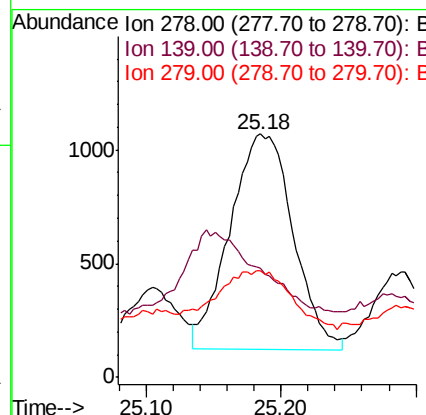
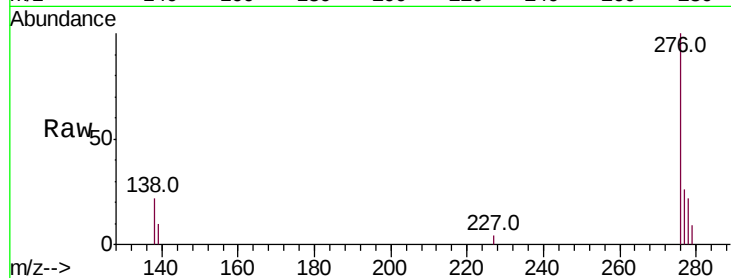
#25
Dibenzo(a,h)anthracene
Concen: 0.031 ng/u1
RT: 25.18 min Scan# 6047
Delta R.T. -0.03 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :
C0AF6DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.8	14.6	21.8#
279	43.7	19.8	29.8#

Manual Integrations
APPROVED

mohammad
8/28/2019 7:49:08 AM



#26
Benzo(g,h,i)perylene
Concen: 0.124 ng/u1
RT: 25.81 min Scan# 6232
Delta R.T. -0.02 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	17.1	25.7
277	25.8	19.4	29.0

