

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022140.D
 Acq On : 15 Aug 2019 11:55
 Operator : HP/JU
 Sample : K4304-15
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB5P6

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:10:38 PM

Quant Time: Aug 15 13:45:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 14 13:53:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	786	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3267	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	1838	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4392m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4511m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4559m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	1491	0.28	ng/ul	-0.03
14) Fluoranthene-d10	19.04	212	4161m	0.28	ng/ul	-0.03
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	9893	1.072	ng/ul#	93
5) 2-Methylnaphthalene	12.05	142	3803	0.619	ng/ul	97
7) Acenaphthylene	13.97	152	4952	0.578	ng/ul#	83
8) Acenaphthene	14.31	153	6566	0.936	ng/ul	97
9) Fluorene	15.31	166	9617	1.235	ng/ul	99
12) Phenanthrene	17.05	178	181976m	14.240	ng/ul	
13) Anthracene	17.14	178	30771m	2.823	ng/ul	
15) Fluoranthene	19.08	202	320459m	18.720	ng/ul	
17) Pyrene	19.44	202	252856	13.641	ng/ul	97
18) Benzo(a)anthracene	21.19	228	152050m	9.423	ng/ul	
19) Chrysene	21.25	228	146462	7.058	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	198643m	12.921	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	73328m	4.215	ng/ul	
23) Benzo(a)pyrene	23.32	252	115813	7.408	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.62	276	87682	4.697	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.62	278	25168m	1.668	ng/ul	
26) Benzo(g,h,i)perylene	26.29	276	74571	4.437	ng/ul	95

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

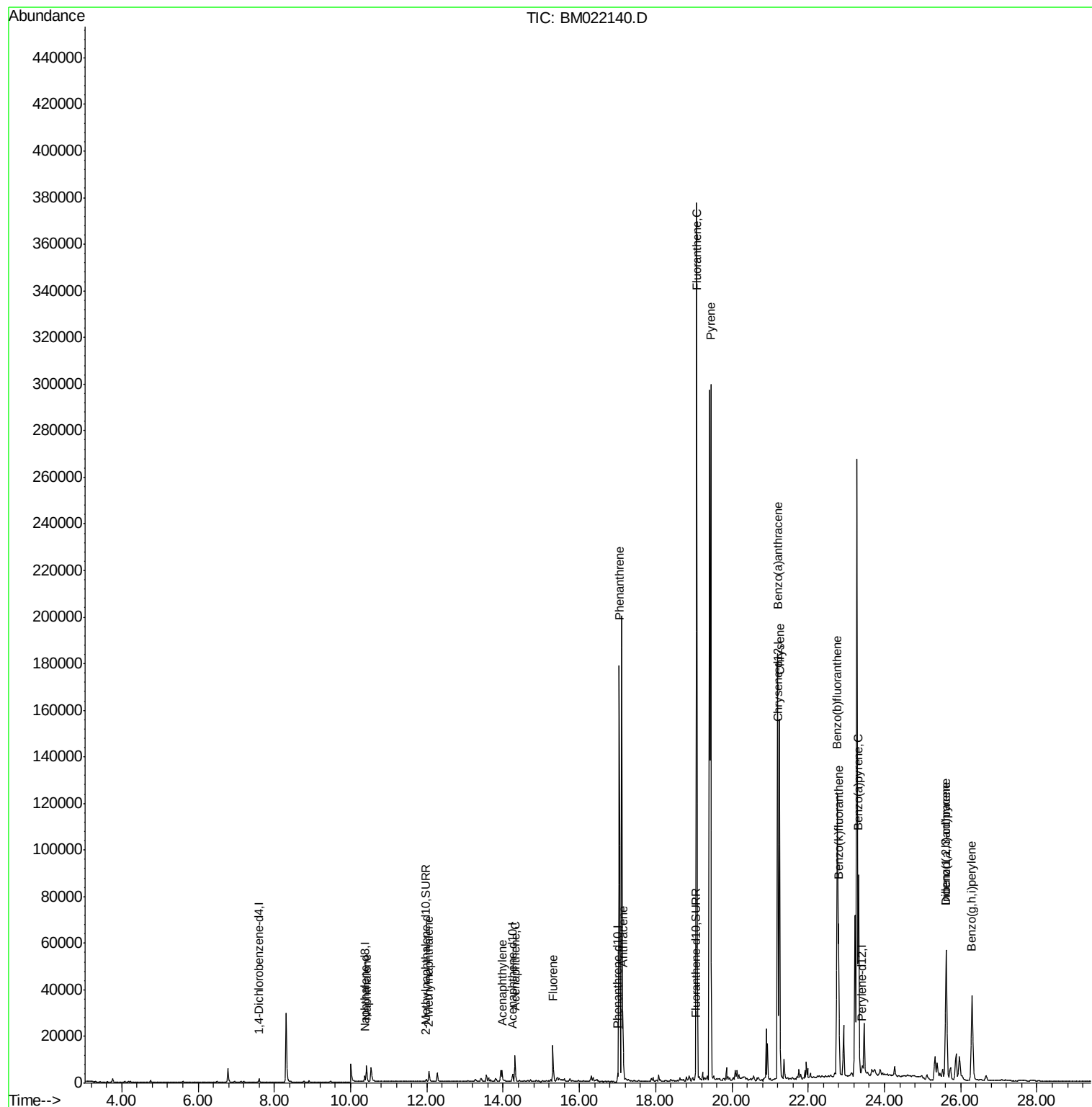
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022140.D
Acq On : 15 Aug 2019 11:55
Operator : HP/JU
Sample : K4304-15
Misc :
ALS Vial : 43 Sample Multiplier: 1

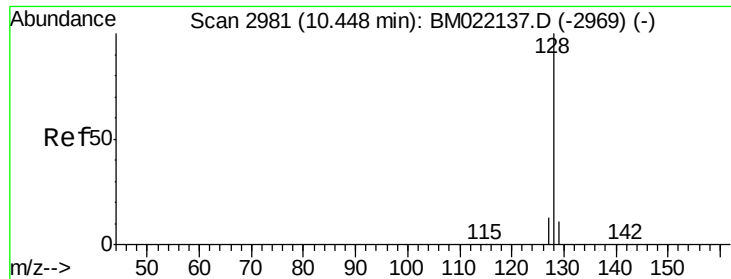
Instrument :
BNA_M
ClientSampleId :
CB5P6

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM

Quant Time: Aug 15 13:45:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.072 ng/ul

RT: 10.42 min Scan# 2974

Delta R.T. -0.04 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Instrument :

BNA_M

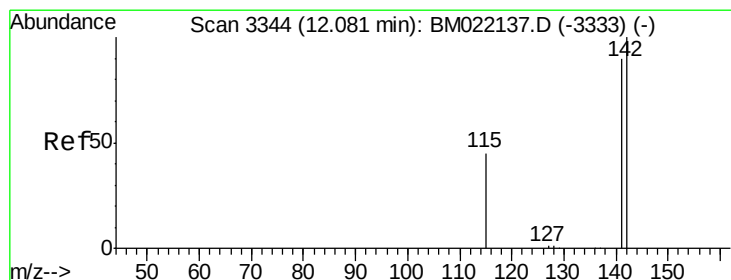
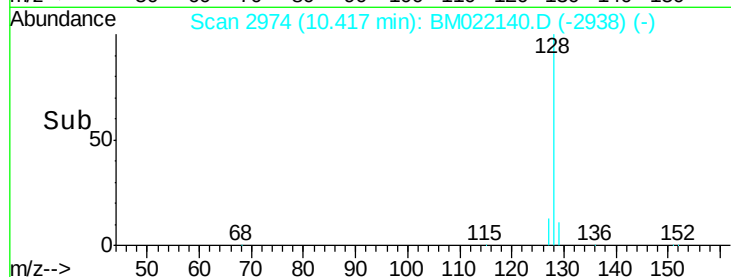
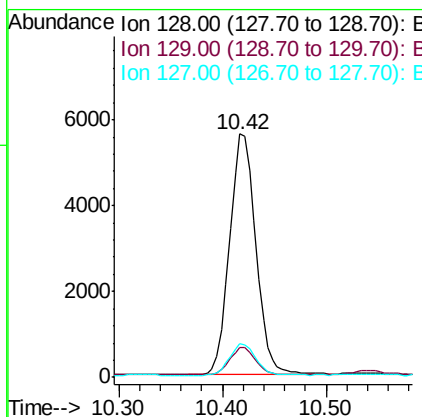
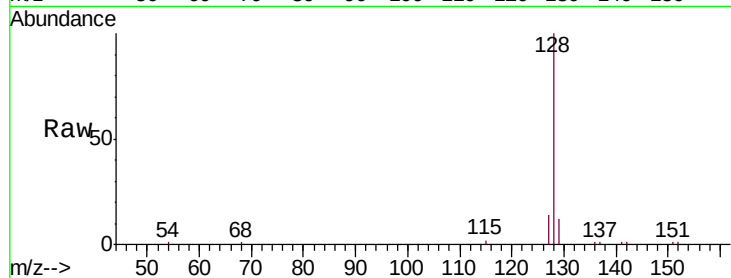
ClientSampleId :

CB5P6

Tgt Ion:	128	Resp:	9893
Ion Ratio		Lower	Upper
128	100		
129	12.0	12.3	18.5#
127	13.9	13.0	19.6

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM



#5

2-Methylnaphthalene

Concen: 0.619 ng/ul

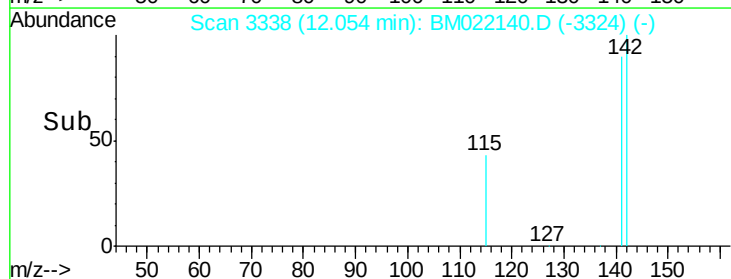
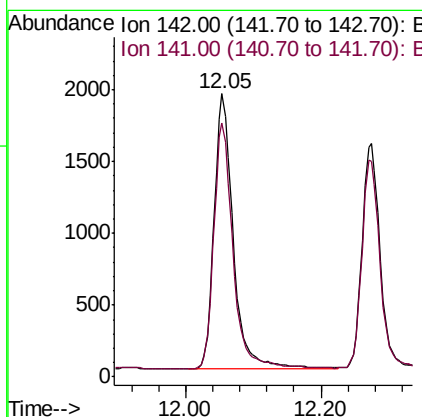
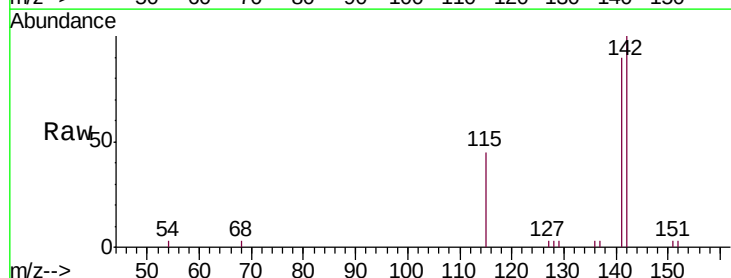
RT: 12.05 min Scan# 3338

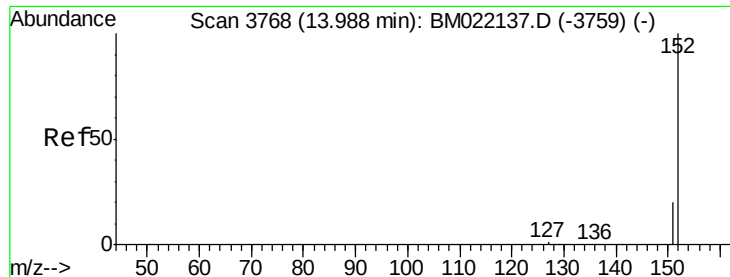
Delta R.T. -0.04 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Tgt Ion:	142	Resp:	3803
Ion Ratio		Lower	Upper
142	100		
141	89.9	74.3	111.5





#7

Acenaphthylene

Concen: 0.578 ng/ul

RT: 13.97 min Scan# 3764

Delta R.T. -0.03 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Instrument :

BNA_M

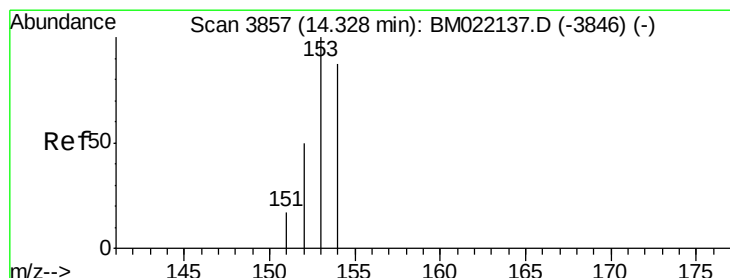
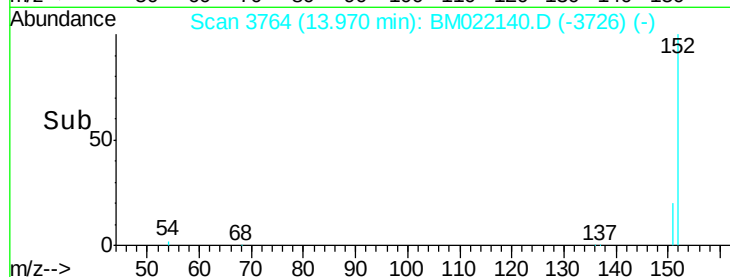
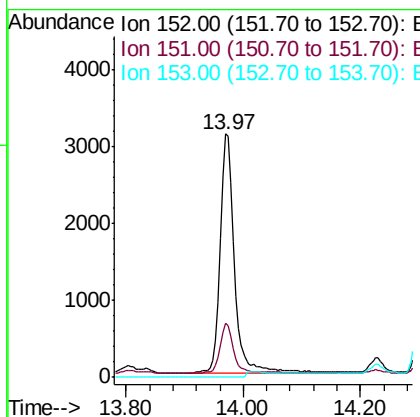
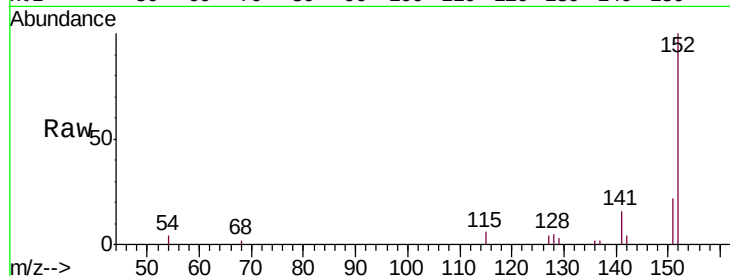
ClientSampleId :

CB5P6

Tgt Ion:	152	Resp:	4952
Ion Ratio	Lower	Upper	
152	100		
151	22.1	18.3	27.5
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM



#8

Acenaphthene

Concen: 0.936 ng/ul

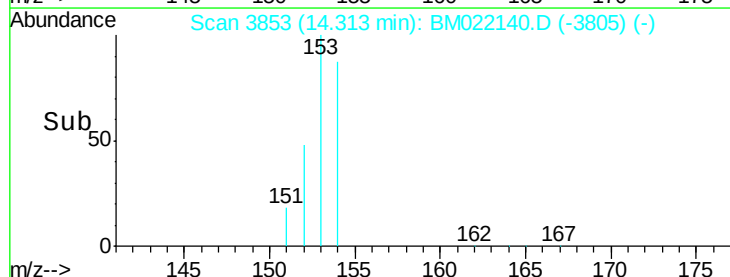
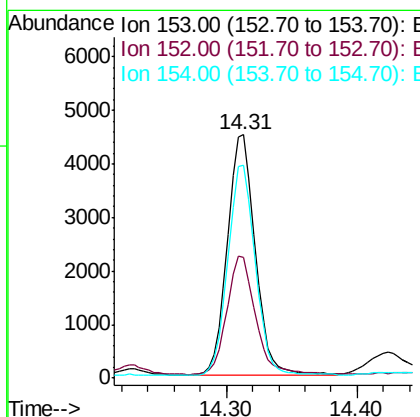
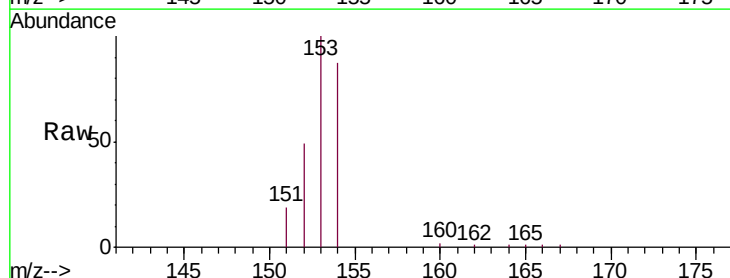
RT: 14.31 min Scan# 3853

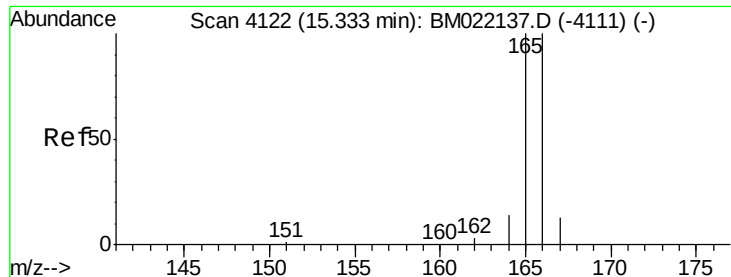
Delta R.T. -0.02 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Tgt Ion:	153	Resp:	6566
Ion Ratio	Lower	Upper	
153	100		
152	49.4	41.3	61.9
154	87.3	72.3	108.5





#9

Fluorene

Concen: 1.235 ng/ul

RT: 15.31 min Scan# 4115

Delta R.T. -0.03 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Instrument :

BNA_M

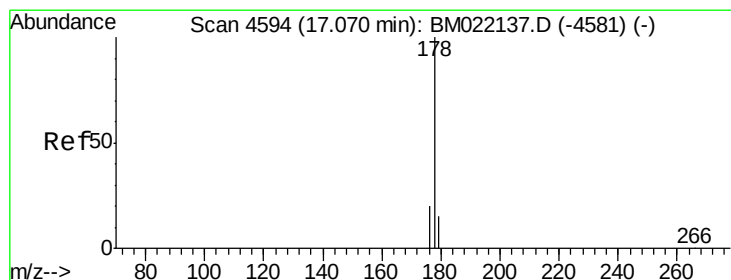
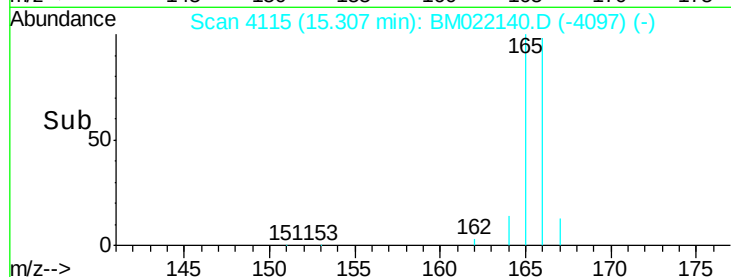
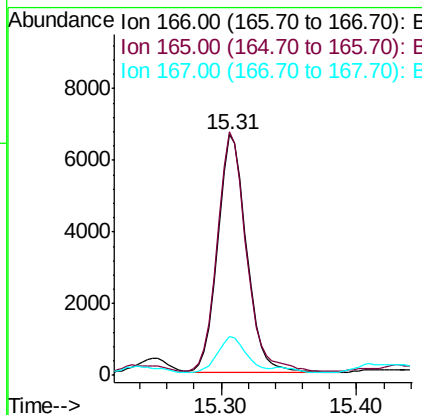
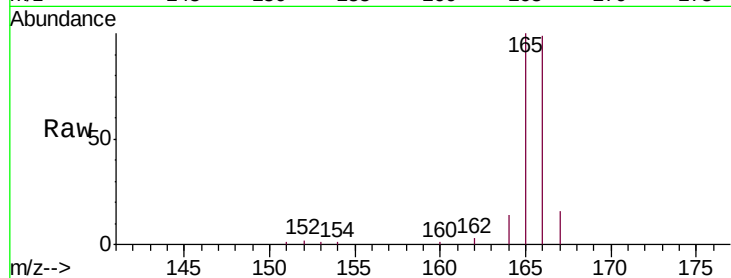
ClientSampleId :

CB5P6

Tgt Ion:	166	Resp:	9617
Ion Ratio	Lower	Upper	
166	100		
165	101.2	81.4	122.0
167	16.0	13.7	20.5

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM



#12

Phenanthrene

Concen: 14.240 ng/ul m

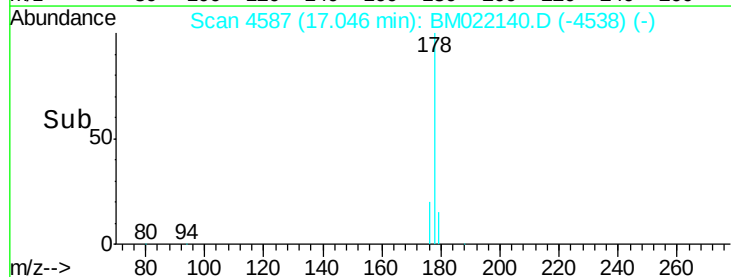
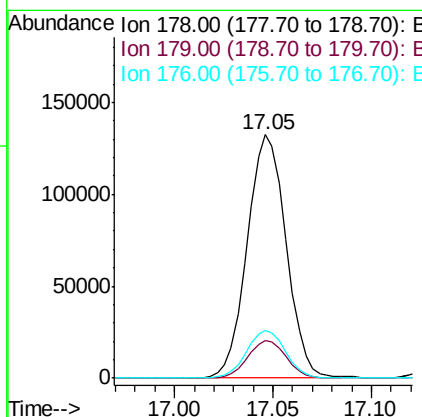
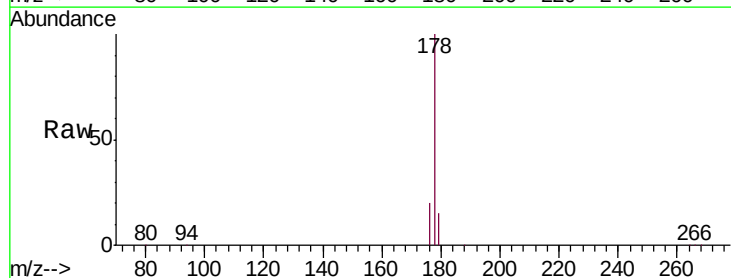
RT: 17.05 min Scan# 4587

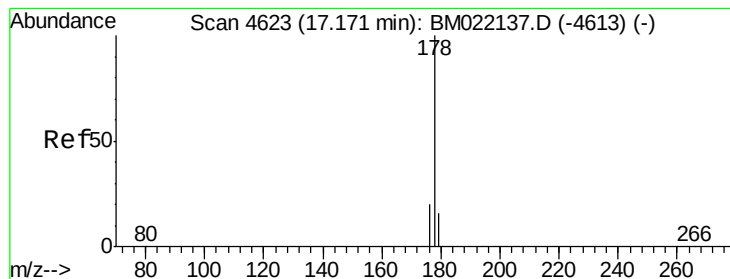
Delta R.T. -0.03 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Tgt Ion:	178	Resp:	181976
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.8	16.8	25.2





#13

Anthracene

Concen: 2.823 ng/ul m

RT: 17.14 min Scan# 4614

Delta R.T. -0.04 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Instrument :

BNA_M

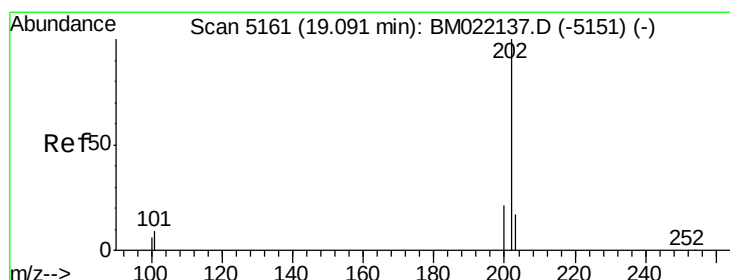
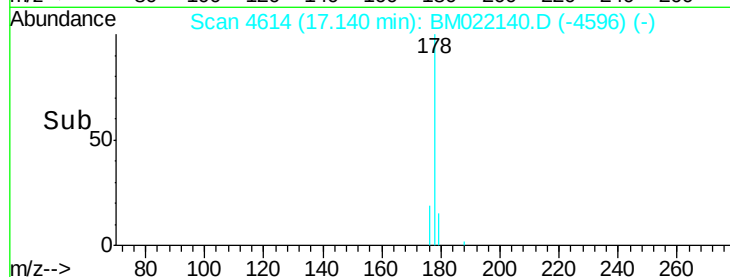
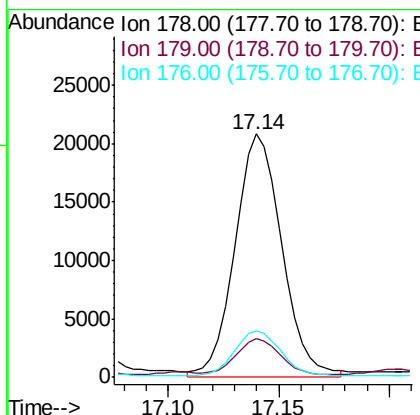
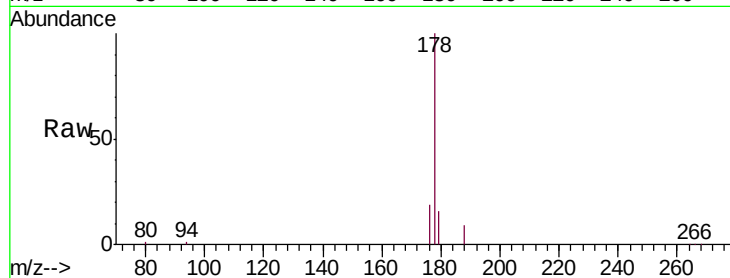
ClientSampleId :

CB5P6

Tgt Ion:	178	Resp:	30771
Ion Ratio	Lower	Upper	
178	100		
179	15.9	15.5	23.3
176	19.4	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM



#15

Fluoranthene

Concen: 18.720 ng/ul m

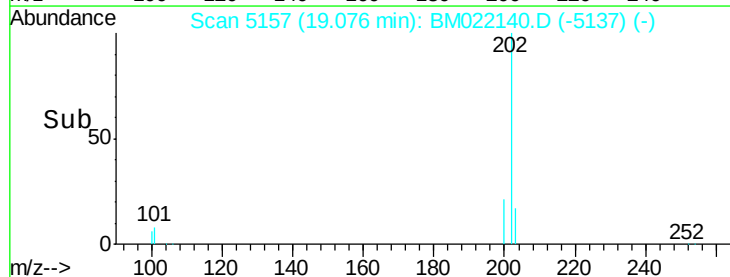
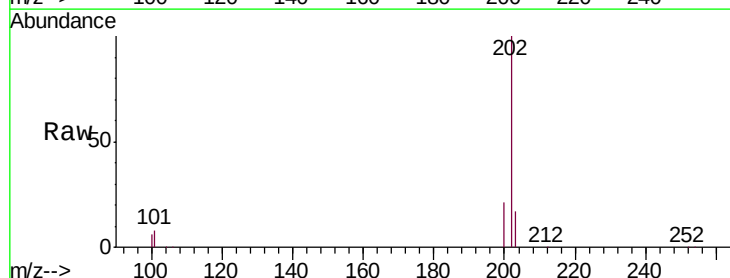
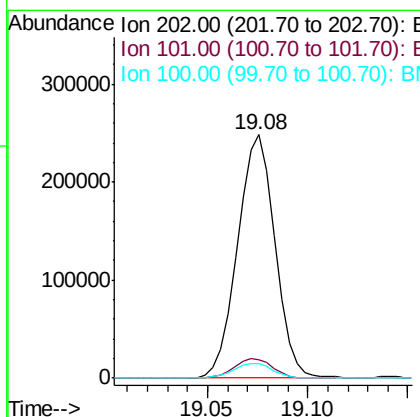
RT: 19.08 min Scan# 5157

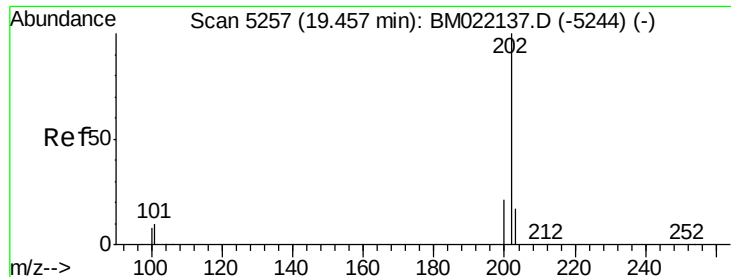
Delta R.T. -0.02 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Tgt Ion:	202	Resp:	320459
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	30.2
100	6.1	0.0	28.1





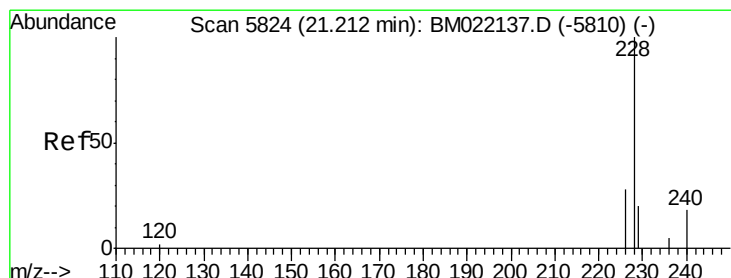
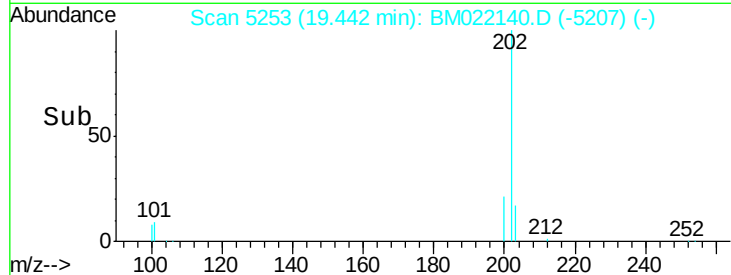
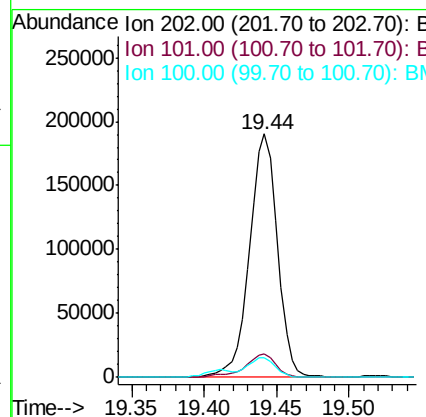
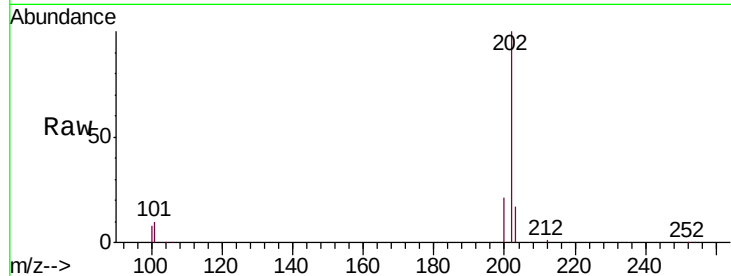
#17
 Pyrene
 Concen: 13.641 ng/ul
 RT: 19.44 min Scan# 5253
 Delta R.T. -0.02 min
 Lab File: BM022140.D
 Acq: 15 Aug 2019 11:55

Instrument :
 BNA_M
 ClientSampleId :
 CB5P6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.5	8.3	12.5
100	7.9	7.2	10.8

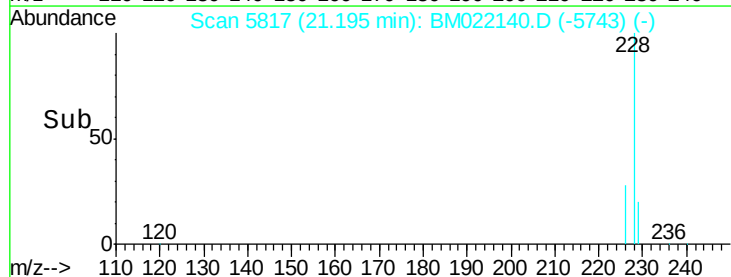
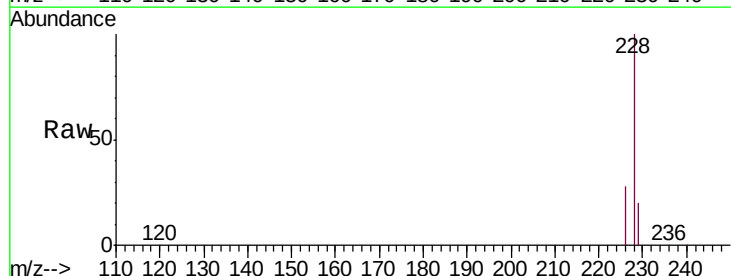
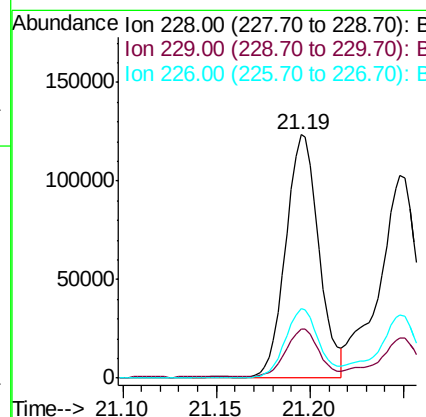
Manual Integrations
 APPROVED

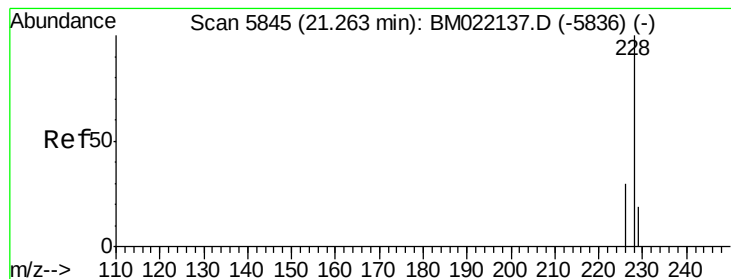
mohammad
 8/15/2019 5:10:38 PM



#18
 Benzo(a)anthracene
 Concen: 9.423 ng/ul m
 RT: 21.19 min Scan# 5817
 Delta R.T. -0.02 min
 Lab File: BM022140.D
 Acq: 15 Aug 2019 11:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.1	17.2	25.8
226	28.4	22.6	34.0





#19

Chrysene

Concen: 7.058 ng/ul

RT: 21.25 min Scan# 5839

Delta R.T. -0.02 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Instrument :

BNA_M

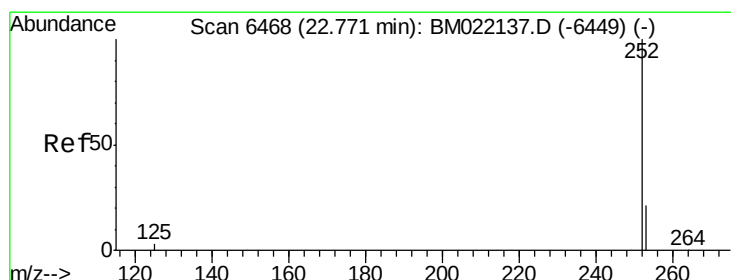
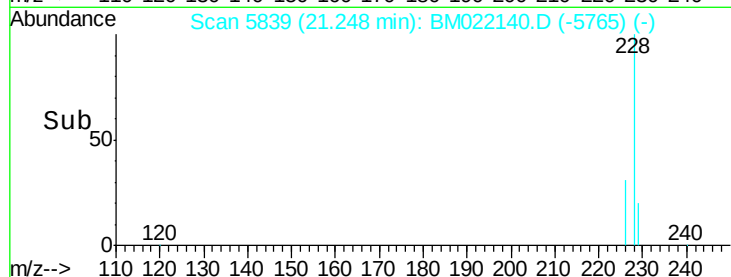
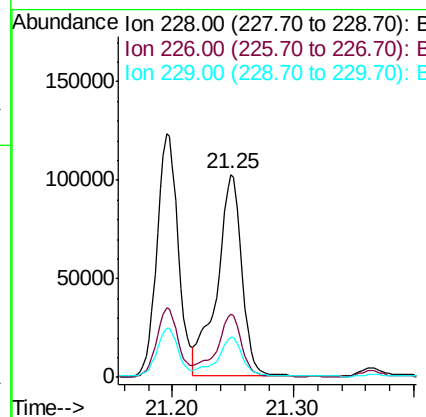
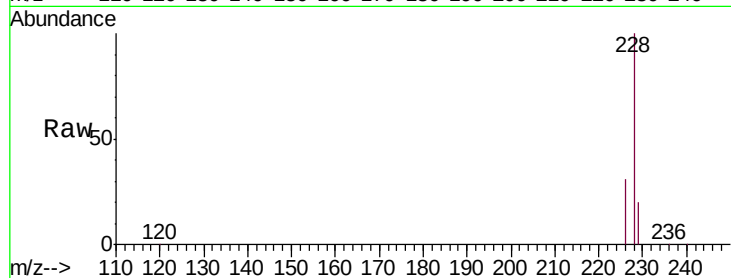
ClientSampleId :

CB5P6

Tgt	Ion:228	Resp:	146462
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	20.0	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/15/2019 5:10:38 PM



#21

Benzo(b)fluoranthene

Concen: 12.921 ng/ul m

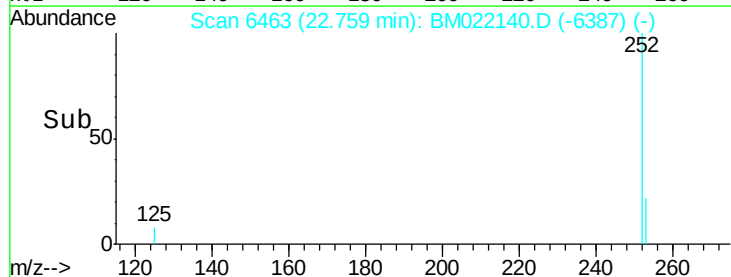
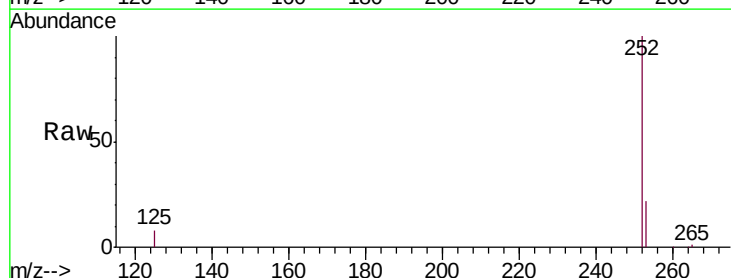
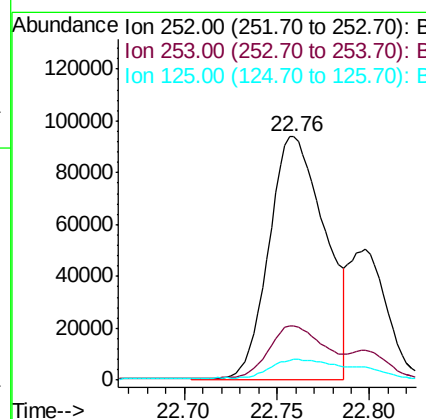
RT: 22.76 min Scan# 6463

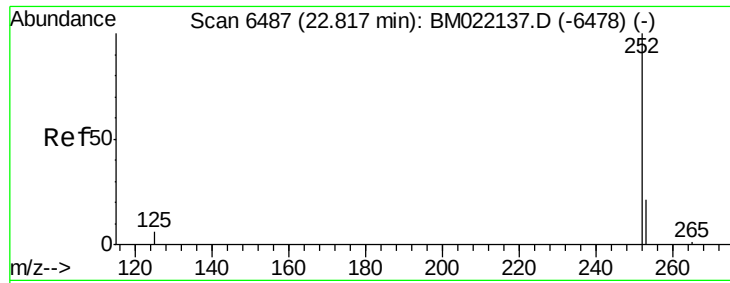
Delta R.T. -0.02 min

Lab File: BM022140.D

Acq: 15 Aug 2019 11:55

Tgt	Ion:252	Resp:	198643
Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	67.4
125	8.3	0.0	31.0





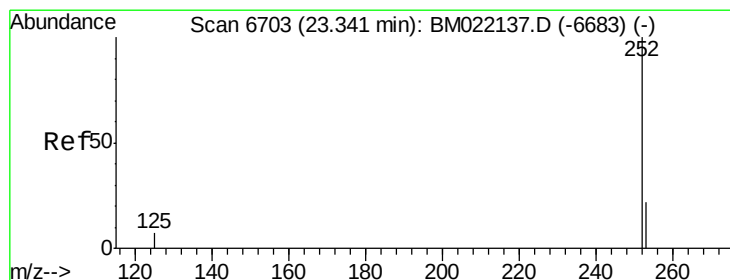
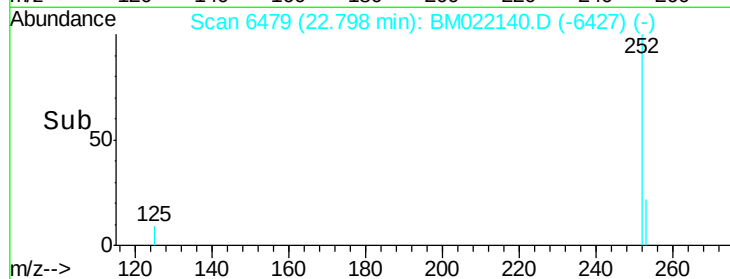
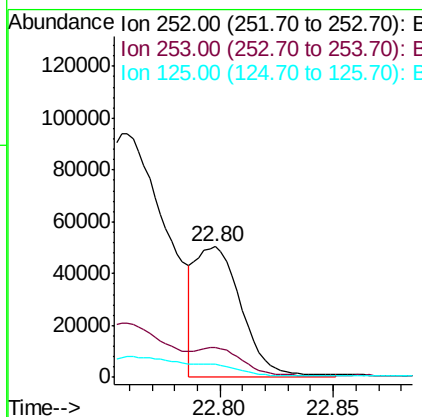
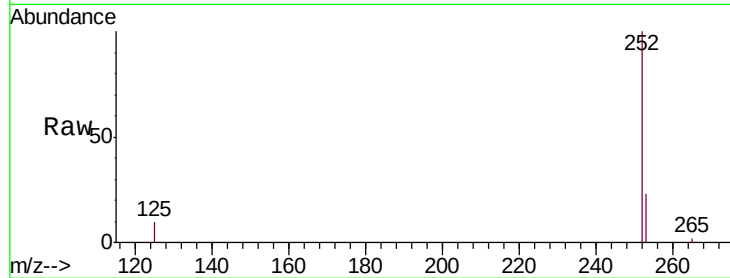
#22
Benzo(k)fluoranthene
Concen: 4.215 ng/ul m
RT: 22.80 min Scan# 6479
Delta R.T. -0.02 min
Lab File: BM022140.D
Acq: 15 Aug 2019 11:55

Instrument :
BNA_M
ClientSampleId :
CB5P6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	27.0	40.4#
125	9.8	12.2	18.2#

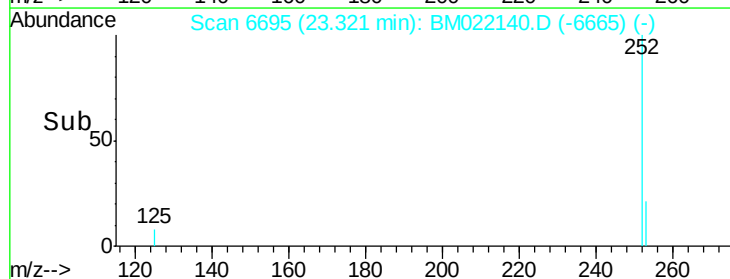
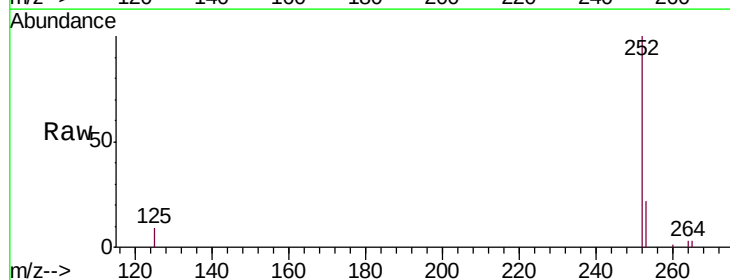
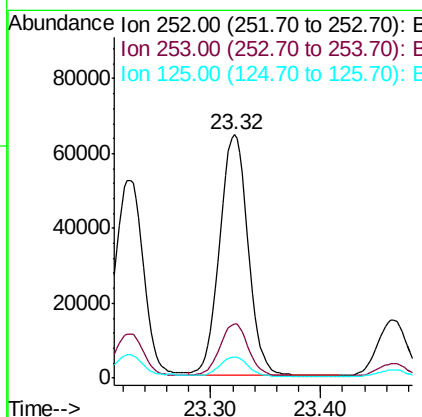
Manual Integrations
APPROVED

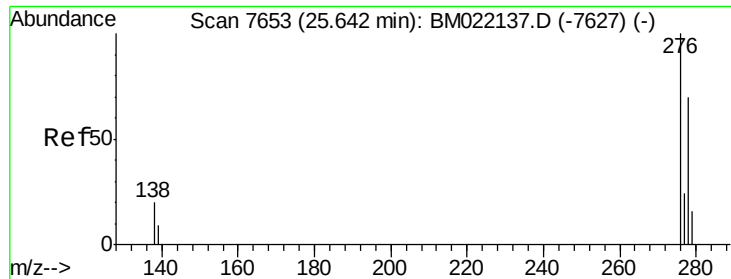
mohammad
8/15/2019 5:10:38 PM



#23
Benzo(a)pyrene
Concen: 7.408 ng/ul
RT: 23.32 min Scan# 6695
Delta R.T. -0.03 min
Lab File: BM022140.D
Acq: 15 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	31.7	47.5#
125	8.8	14.6	21.8#





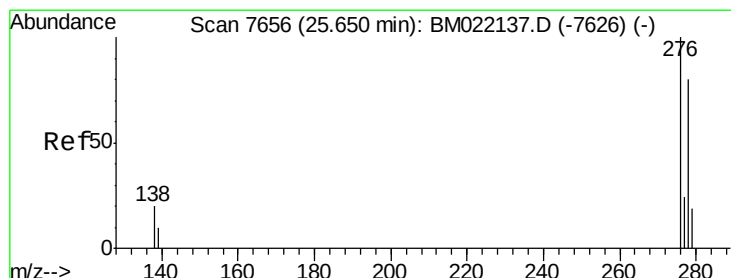
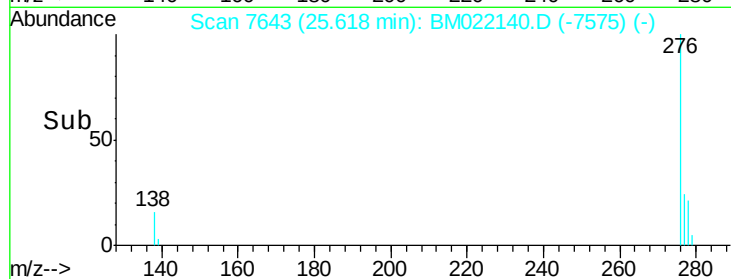
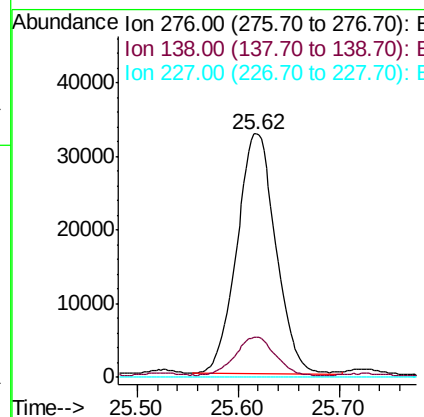
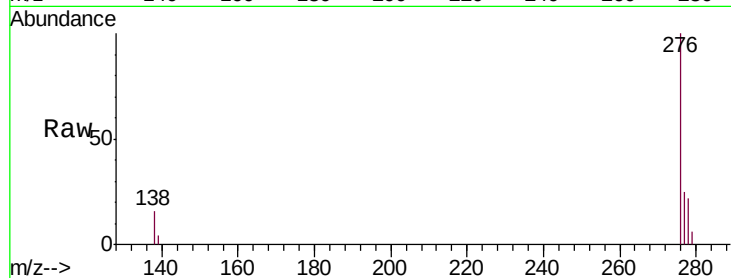
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.697 ng/ul
 RT: 25.62 min Scan# 7643
 Delta R.T. -0.04 min
 Lab File: BM022140.D
 Acq: 15 Aug 2019 11:55

Instrument :
 BNA_M
 ClientSampleId :
 CB5P6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	15.1	22.7
227	0.0	0.0	0.0

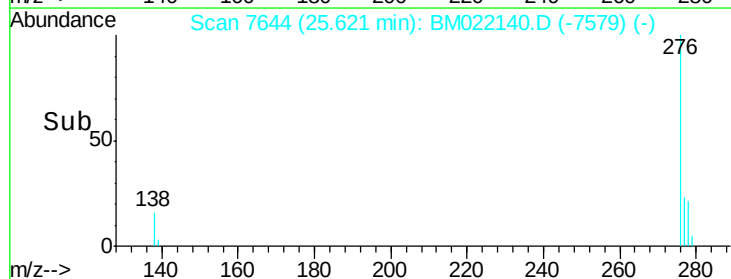
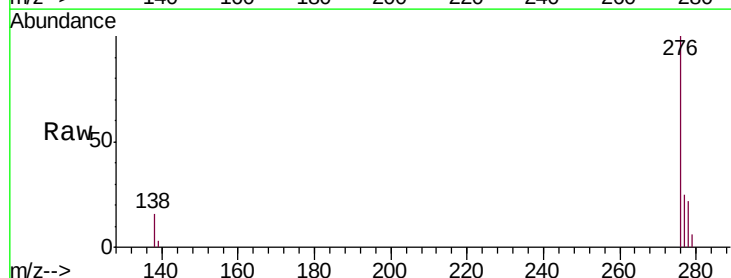
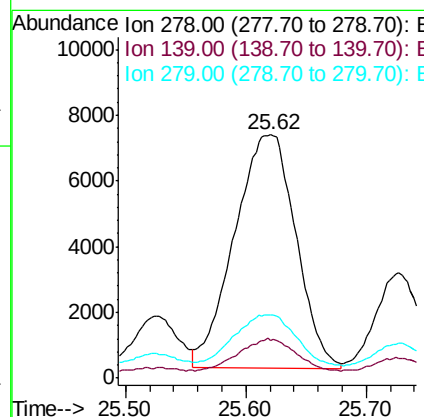
Manual Integrations
 APPROVED

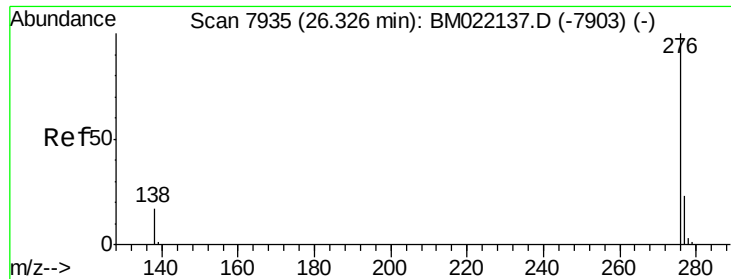
mohammad
 8/15/2019 5:10:38 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.668 ng/ul m
 RT: 25.62 min Scan# 7644
 Delta R.T. -0.04 min
 Lab File: BM022140.D
 Acq: 15 Aug 2019 11:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	14.2	21.2
279	26.1	28.3	42.5#





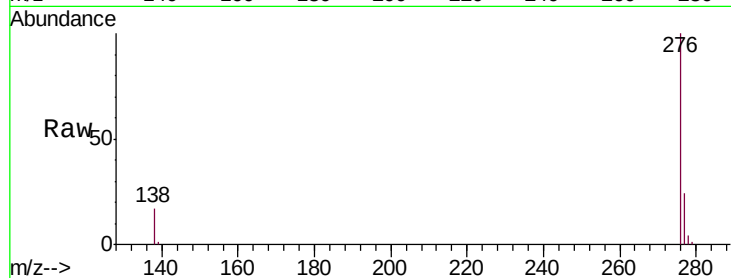
#26
 Benzo(g,h,i)perylene
 Concen: 4.437 ng/ul
 RT: 26.29 min Scan# 7922
 Delta R.T. -0.04 min
 Lab File: BM022140.D
 Acq: 15 Aug 2019 11:55

Instrument :
 BNA_M
 ClientSampleId :
 CB5P6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	15.5	23.3
277	24.5	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:10:38 PM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

