

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021913.D
 Acq On : 08 Aug 2019 01:34
 Operator : HP/JU
 Sample : K4029-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENX7

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:11:54 AM

Quant Time: Aug 08 06:45:45 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 : Thu Aug 08 04:39:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	897	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3925	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	2160	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	5046m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4709m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4650m	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	1110	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	2999m	0.18	ng/ul	-0.01
Target Compounds				Ovalue		
7) Acenaphthylene	14.00	152	466	0.046	ng/ul#	74
9) Fluorene	15.34	166	245	0.027	ng/ul#	92
12) Phenanthrene	17.07	178	4169	0.284	ng/ul	99
13) Anthracene	17.17	178	1170m	0.093	ng/ul	
15) Fluoranthene	19.10	202	8816m	0.448	ng/ul	
17) Pyrene	19.46	202	10385	0.537	ng/ul	96
18) Benzo(a)anthracene	21.22	228	6139	0.364	ng/ul	97
19) Chrysene	21.27	228	5682	0.262	ng/ul	96
21) Benzo(b)fluoranthene	22.79	252	6686m	0.426	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	2253m	0.127	ng/ul	
23) Benzo(a)pyrene	23.35	252	4956m	0.311	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.67	276	2893m	0.152	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	856m	0.056	ng/ul	
26) Benzo(g,h,i)perylene	26.35	276	2370m	0.138	ng/ul	

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

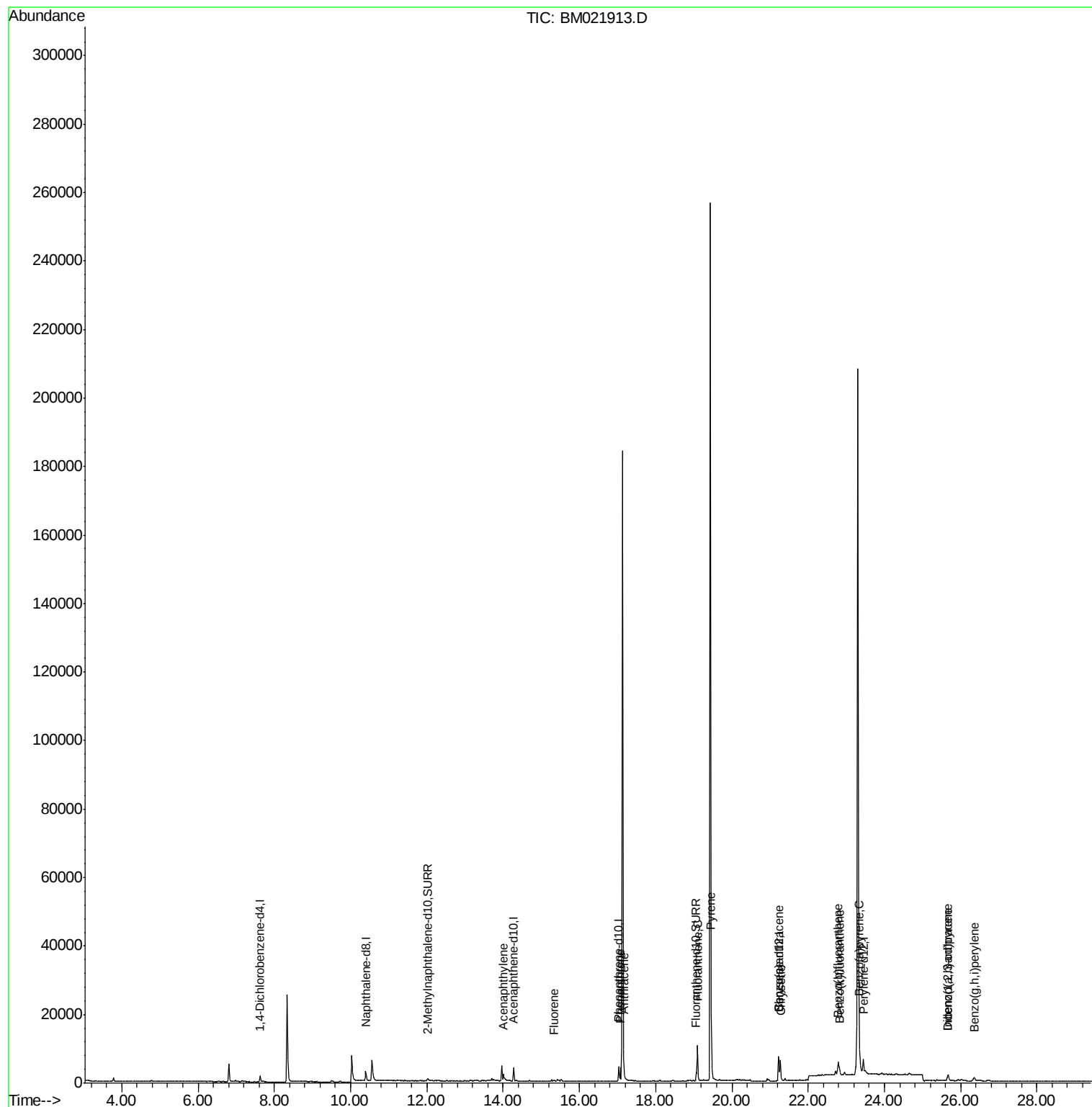
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021913.D
Acq On : 08 Aug 2019 01:34
Operator : HP/JU
Sample : K4029-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

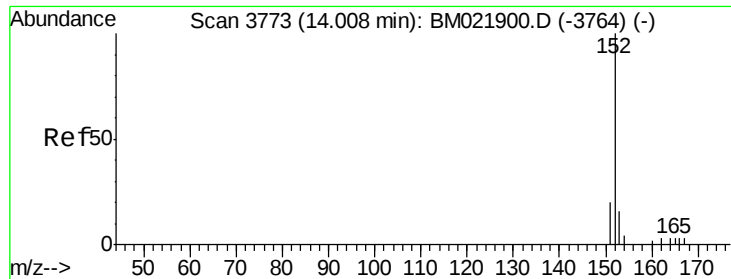
Instrument :
BNA_M
ClientSampleId :
BENX7

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 AM

Quant Time: Aug 08 06:45:45 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 : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.046 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Instrument :

BNA_M

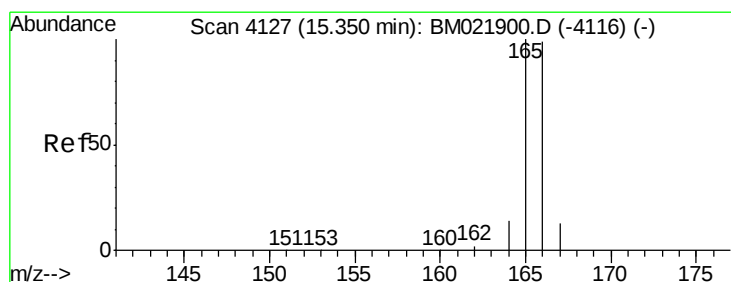
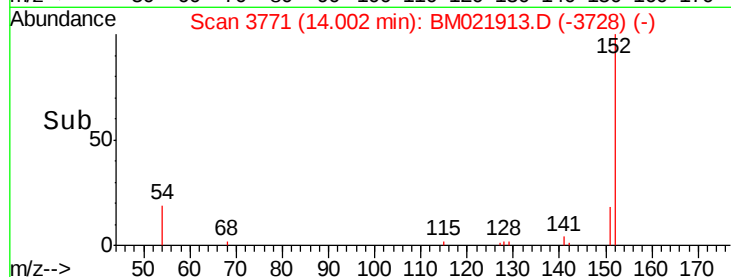
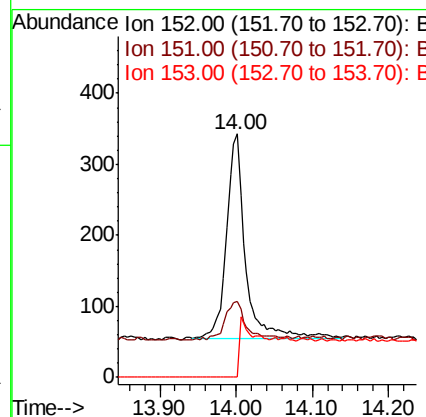
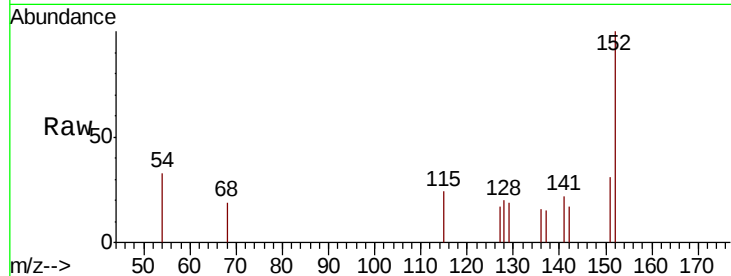
ClientSampleId :

BENX7

Tot Ion:	152	Resp:	466
Ion Ratio	Lower	Upper	
152	100		
151	31.5	18.3	27.5#
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 AM



#9

Fluorene

Concen: 0.027 ng/ul

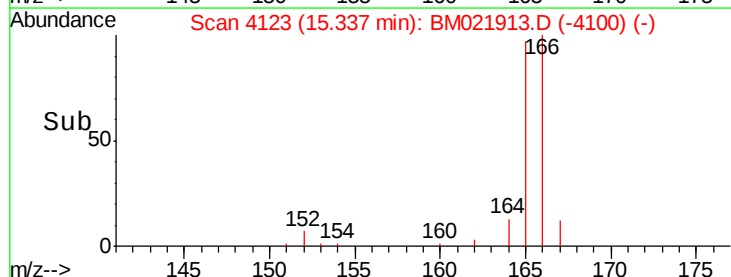
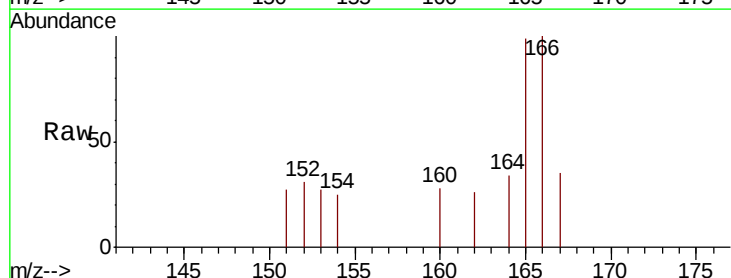
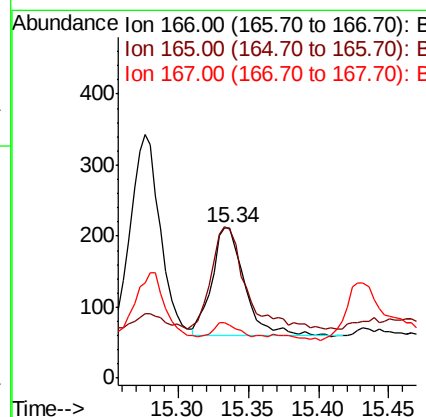
RT: 15.34 min Scan# 4123

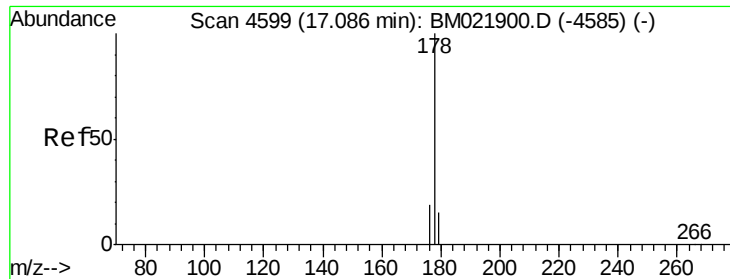
Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Tgt Ion:	166	Resp:	245
Ion Ratio	Lower	Upper	
166	100		
165	99.1	81.4	122.0
167	35.4	13.7	20.5#





#12

Phenanthrene

Concen: 0.284 ng/ul

RT: 17.07 min Scan# 4595

Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Instrument :

BNA_M

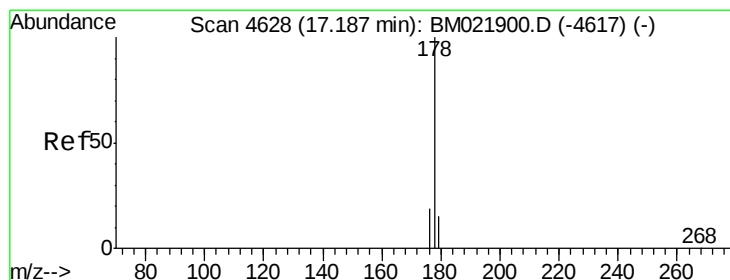
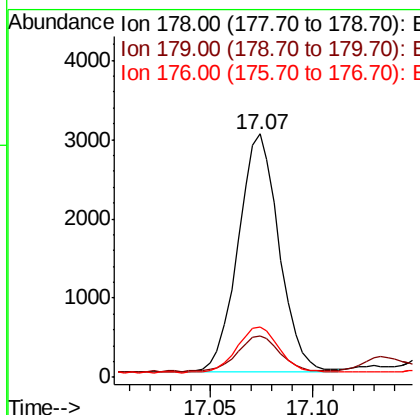
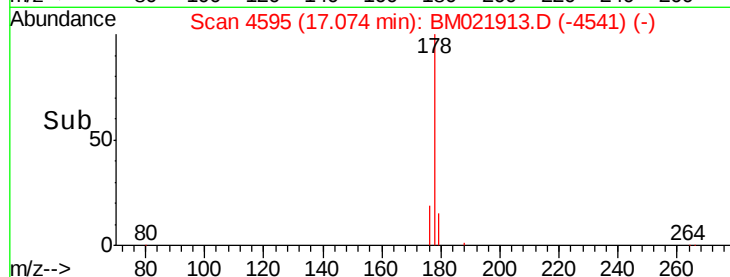
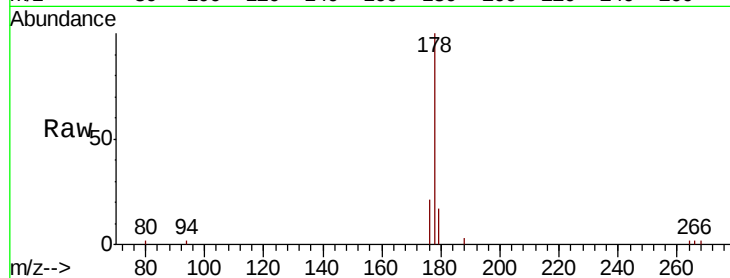
ClientSampleId :

BENX7

Tot Ion:	178	Resp:	4169
Ion	Ratio	Lower	Upper
178	100		
179	17.2	14.2	21.2
176	20.9	16.8	25.2

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 AM



#13

Anthracene

Concen: 0.093 ng/ul m

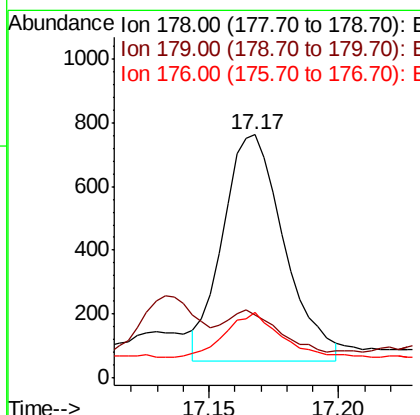
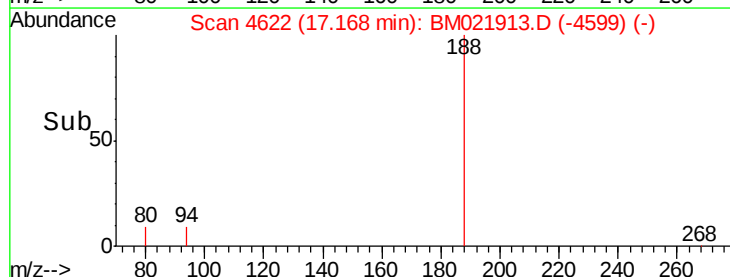
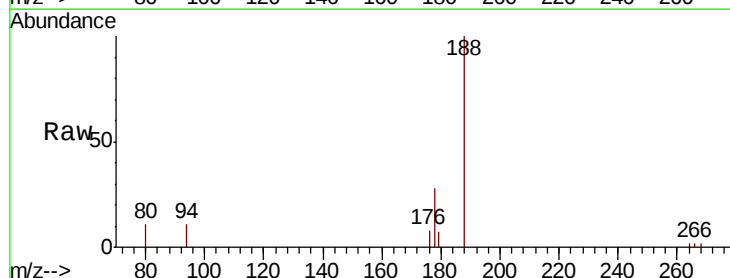
RT: 17.17 min Scan# 4622

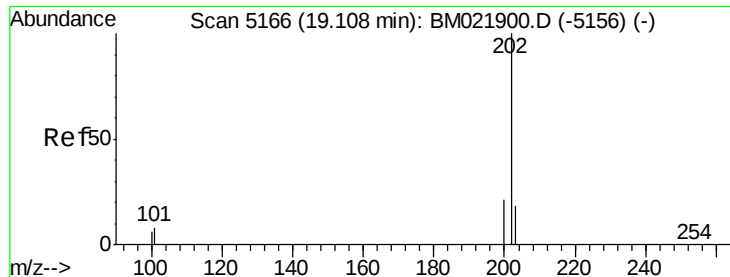
Delta R.T. -0.02 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Tgt Ion:	178	Resp:	1170
Ion	Ratio	Lower	Upper
178	100		
179	25.7	15.5	23.3#
176	27.2	16.6	25.0#





#15

Fluoranthene

Concen: 0.448 ng/ul m

RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Instrument :

BNA_M

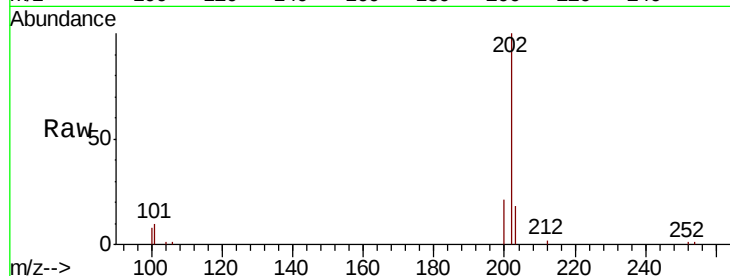
ClientSampleId :

BENX7

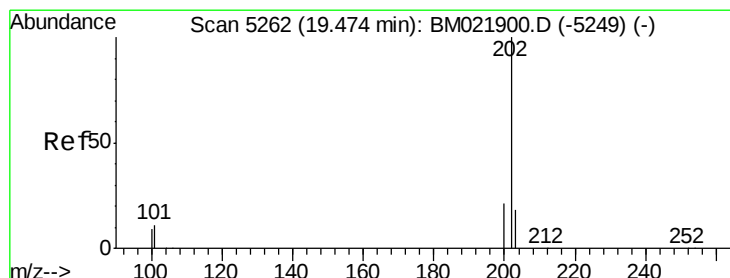
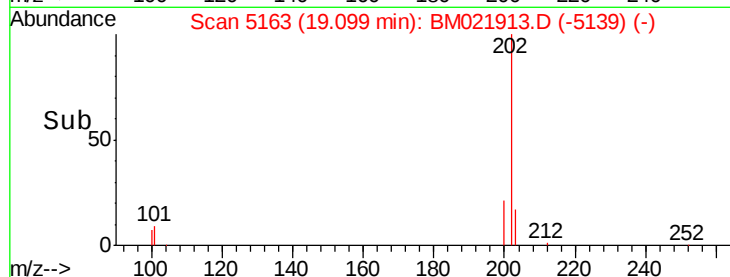
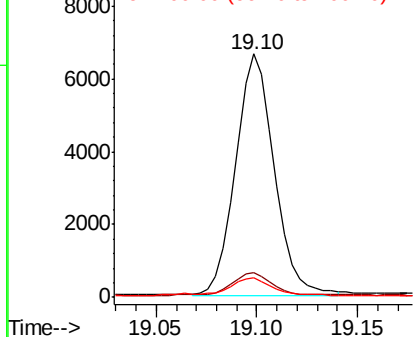
Tot Ion:	202	Resp:	8816
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	30.2
100	7.9	0.0	28.1

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 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: 0.537 ng/ul

RT: 19.46 min Scan# 5258

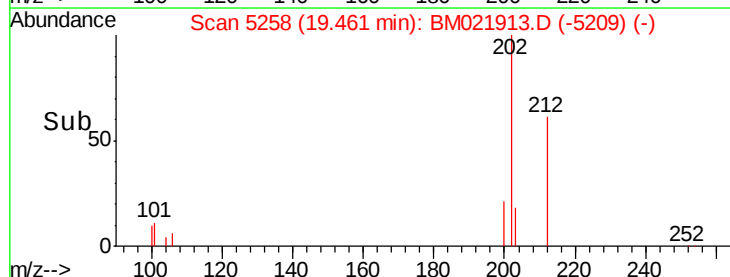
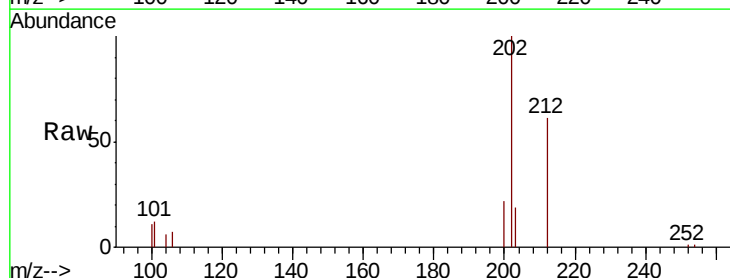
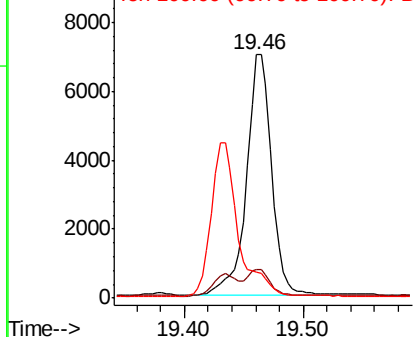
Delta R.T. -0.01 min

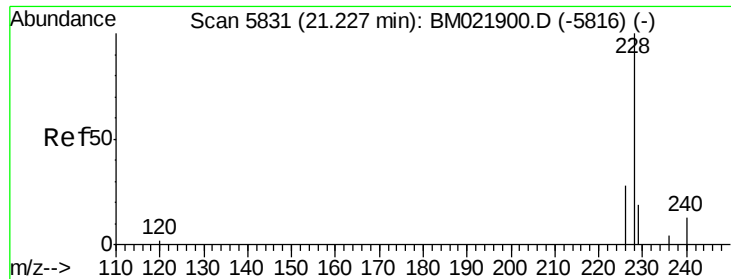
Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Tgt Ion:	202	Resp:	10385
Ion Ratio	Lower	Upper	
202	100		
101	11.8	8.3	12.5
100	10.7	7.2	10.8

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





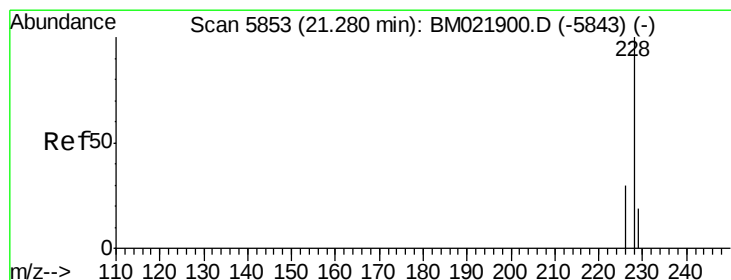
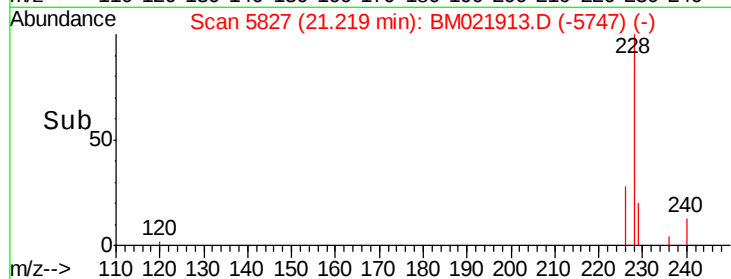
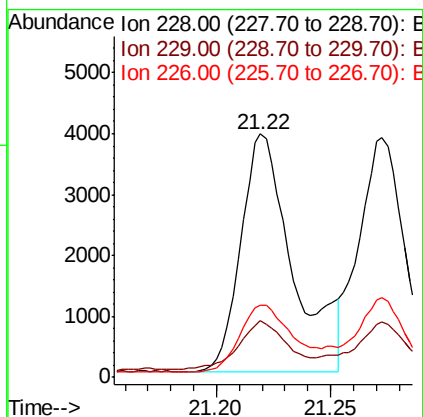
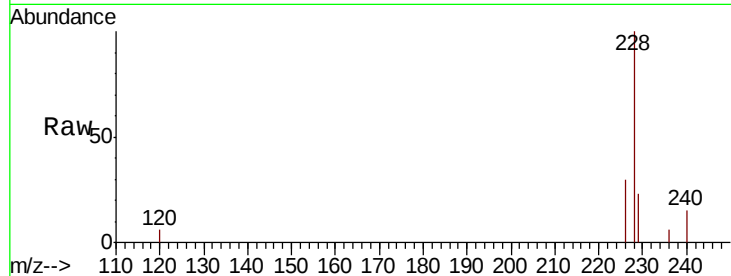
#18
Benzo(a)anthracene
Concen: 0.364 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021913.D
Acq: 08 Aug 2019 01:34

Instrument :
BNA_M
ClientSampled :
BENX7

Tot Ion	Ratio	Lower	Upper
228	100		
229	23.2	17.2	25.8
226	29.7	22.6	34.0

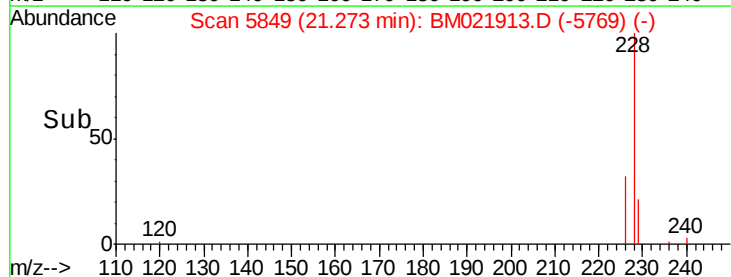
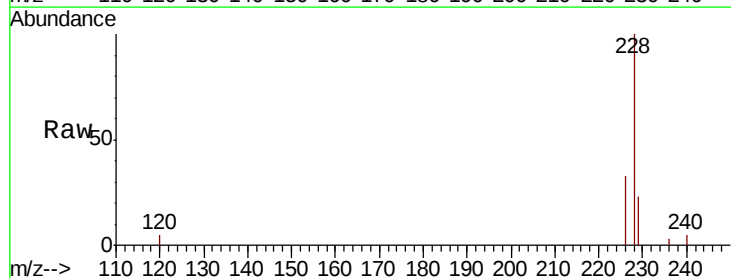
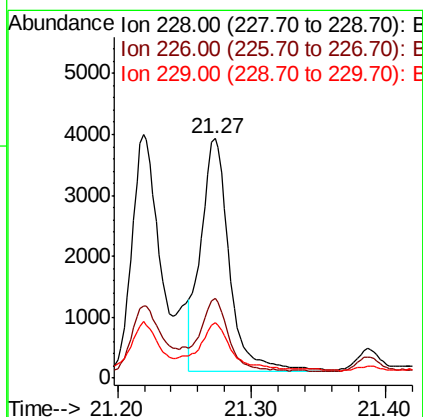
Manual Integrations
APPROVED

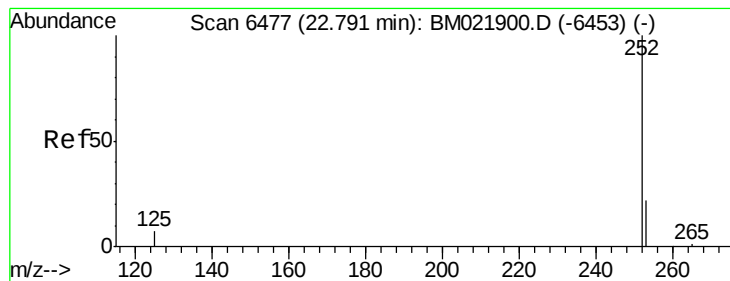
mohammad
8/9/2019 6:11:54 AM



#19
Chrysene
Concen: 0.262 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021913.D
Acq: 08 Aug 2019 01:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.9	37.3
229	23.0	16.6	25.0





#21

Benzo(b)fluoranthene

Concen: 0.426 ng/ul m

RT: 22.79 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Instrument :

BNA_M

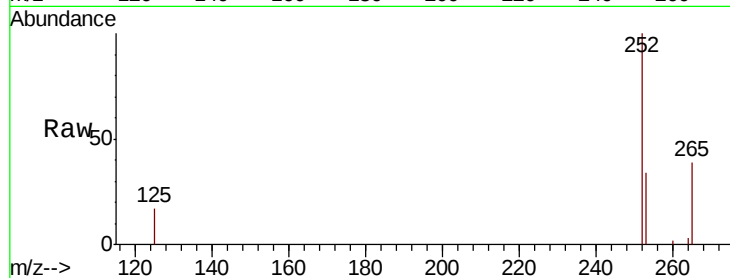
ClientSampleId :

BENX7

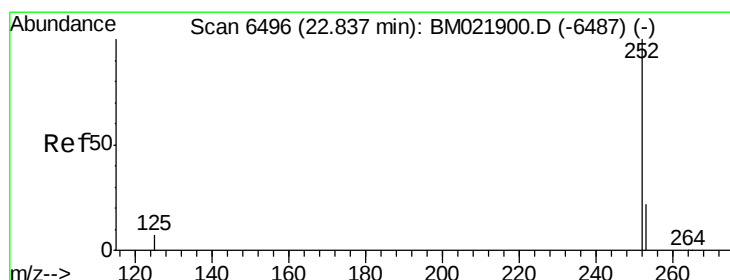
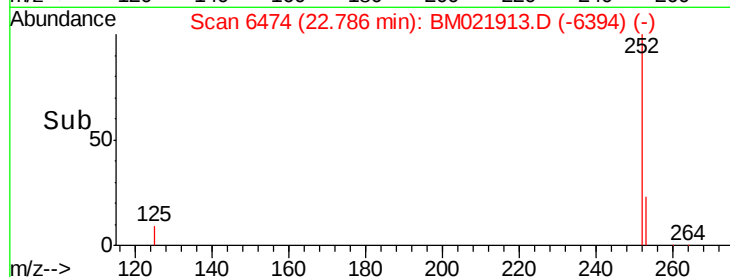
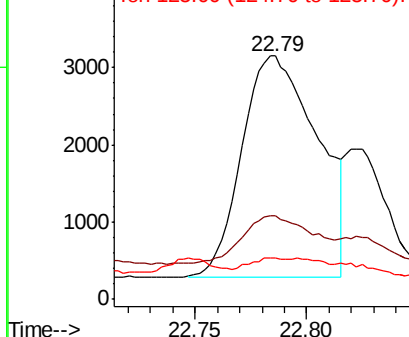
Tot Ion:	252	Resp:	6686
Ion Ratio	Lower	Upper	
252	100		
253	34.2	0.0	67.4
125	16.9	0.0	31.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 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



#22

Benzo(k)fluoranthene

Concen: 0.127 ng/ul m

RT: 22.82 min Scan# 6488

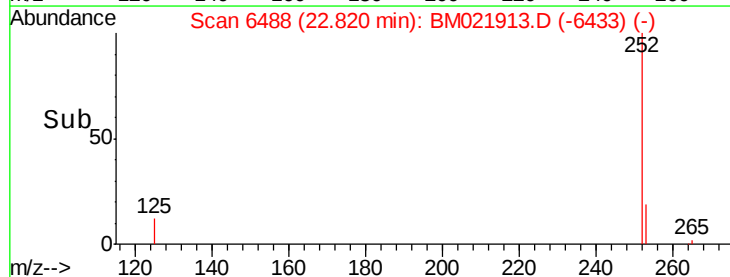
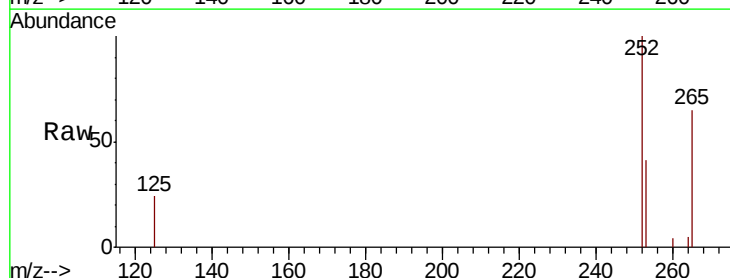
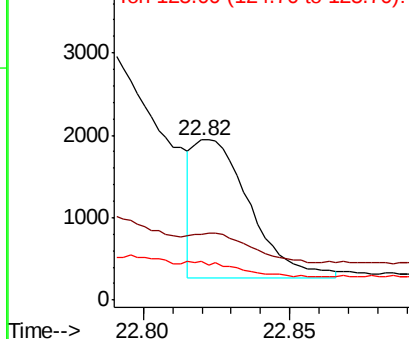
Delta R.T. -0.02 min

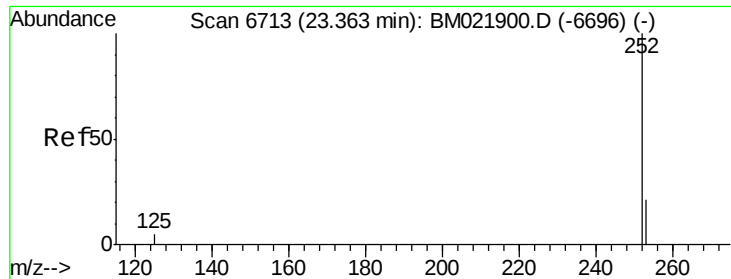
Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Tgt Ion:	252	Resp:	2253
Ion Ratio	Lower	Upper	
252	100		
253	40.7	27.0	40.4#
125	24.3	12.2	18.2#

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: 0.311 ng/ul m

RT: 23.35 min Scan# 6706

Delta R.T. -0.01 min

Lab File: BM021913.D

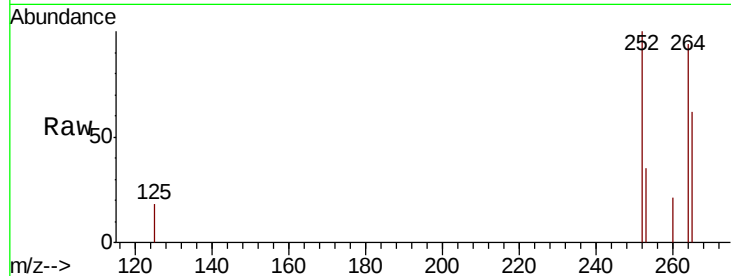
Acq: 08 Aug 2019 01:34

Instrument :

BNA_M

ClientSampleId :

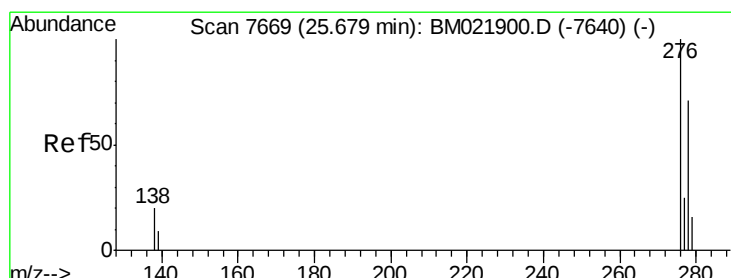
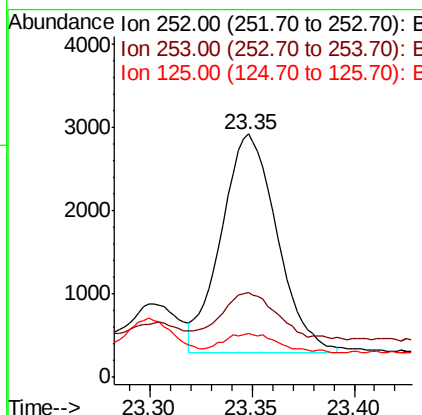
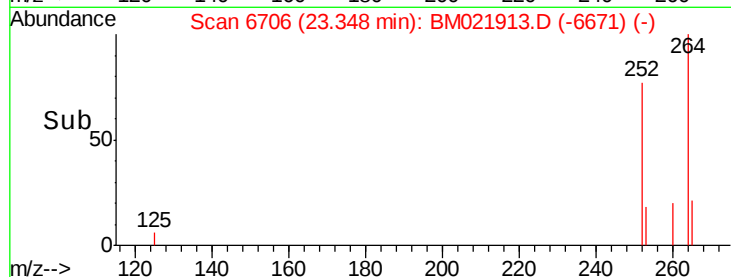
BENX7



Tot Ion:	252	Resp:	4956
Ion Ratio	Lower	Upper	
252	100		
253	34.9	31.7	47.5
125	18.3	14.6	21.8

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 AM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.152 ng/ul m

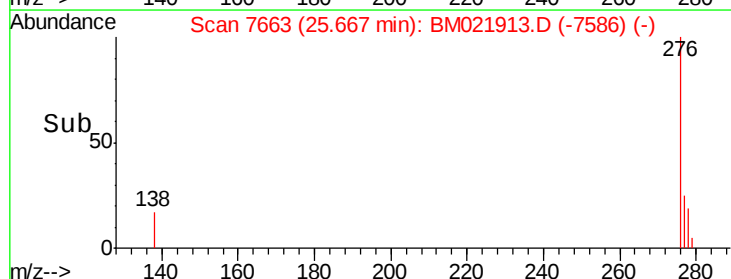
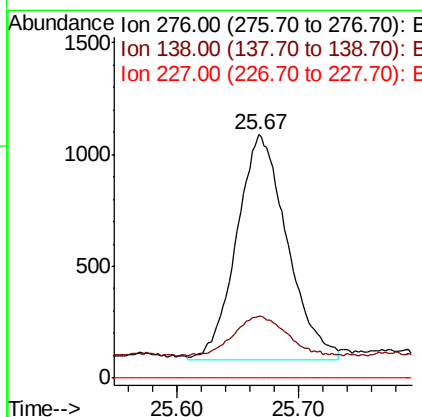
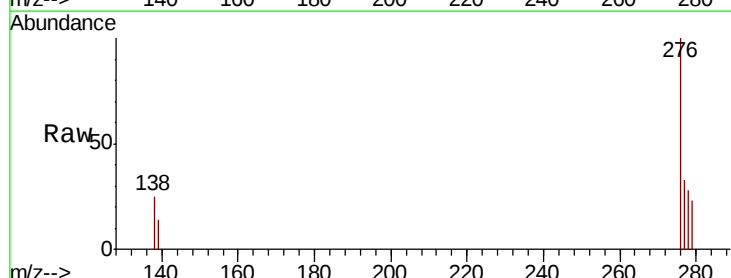
RT: 25.67 min Scan# 7663

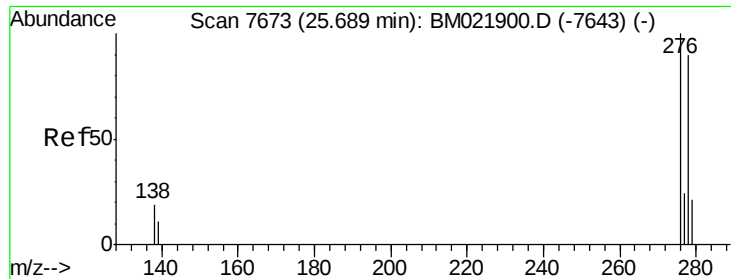
Delta R.T. -0.01 min

Lab File: BM021913.D

Acq: 08 Aug 2019 01:34

Tgt Ion:	276	Resp:	2893
Ion Ratio	Lower	Upper	
276	100		
138	1.2	15.1	22.7#
227	0.0	0.0	0.0





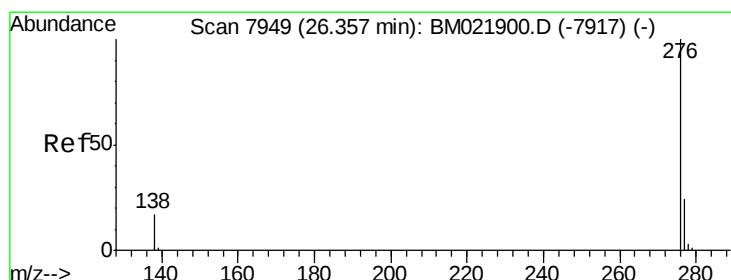
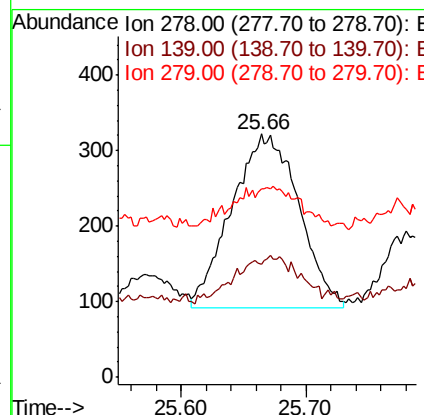
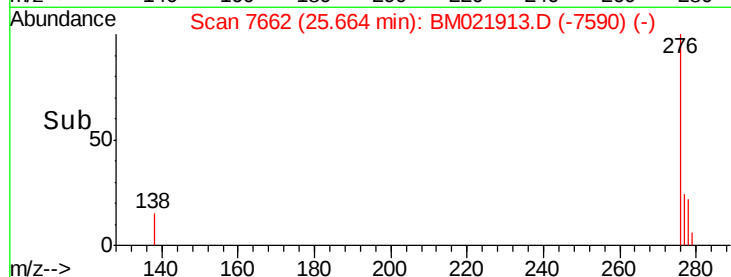
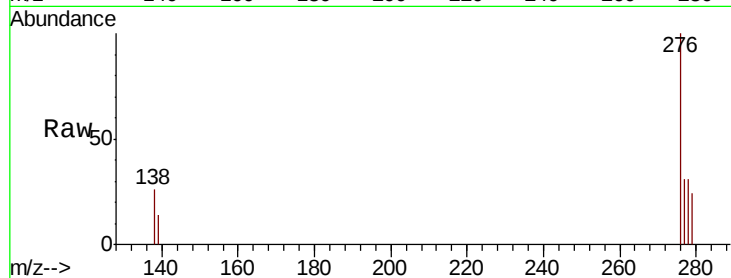
#25
Dibenzo(a,h)anthracene
Concen: 0.056 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.02 min
Lab File: BM021913.D
Acq: 08 Aug 2019 01:34

Instrument :
BNA_M
ClientSampleId :
BENX7

Tot Ion	Ratio	Lower	Upper
278	100		
139	46.3	14.2	21.2#
279	77.3	28.3	42.5#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:54 AM



#26
Benzo(g,h,i)perylene
Concen: 0.138 ng/ul m
RT: 26.35 min Scan# 7946
Delta R.T. -0.01 min
Lab File: BM021913.D
Acq: 08 Aug 2019 01:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	15.5	23.3#
277	33.9	21.4	32.2#

