

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021918.D
 Acq On : 08 Aug 2019 05:13
 Operator : HP/JU
 Sample : K4029-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY3

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:11:33 AM

Quant Time: Aug 08 07:07:41 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 06:54:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1004	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	4602	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2653	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	6162m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	5752m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6545m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2433	0.32	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	6546m	0.32	ng/ul	-0.02
Target Compounds						
7) Acenaphthylene	14.00	152	582	0.047	ng/ul#	73
12) Phenanthrene	17.07	178	4351	0.243	ng/ul	98
13) Anthracene	17.16	178	1155m	0.076	ng/ul	
15) Fluoranthene	19.10	202	9632m	0.401	ng/ul	
17) Pyrene	19.46	202	8528m	0.361	ng/ul	
18) Benzo(a)anthracene	21.22	228	5024	0.244	ng/ul	96
19) Chrysene	21.27	228	6029m	0.228	ng/ul	
21) Benzo(b)fluoranthene	22.78	252	7546m	0.342	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	3090m	0.124	ng/ul	
23) Benzo(a)pyrene	23.34	252	5055m	0.225	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	3452m	0.129	ng/ul	
25) Dibenzo(a,h)anthracene	25.67	278	983m	0.045	ng/ul	
26) Benzo(g,h,i)perylene	26.35	276	2730m	0.113	ng/ul	

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

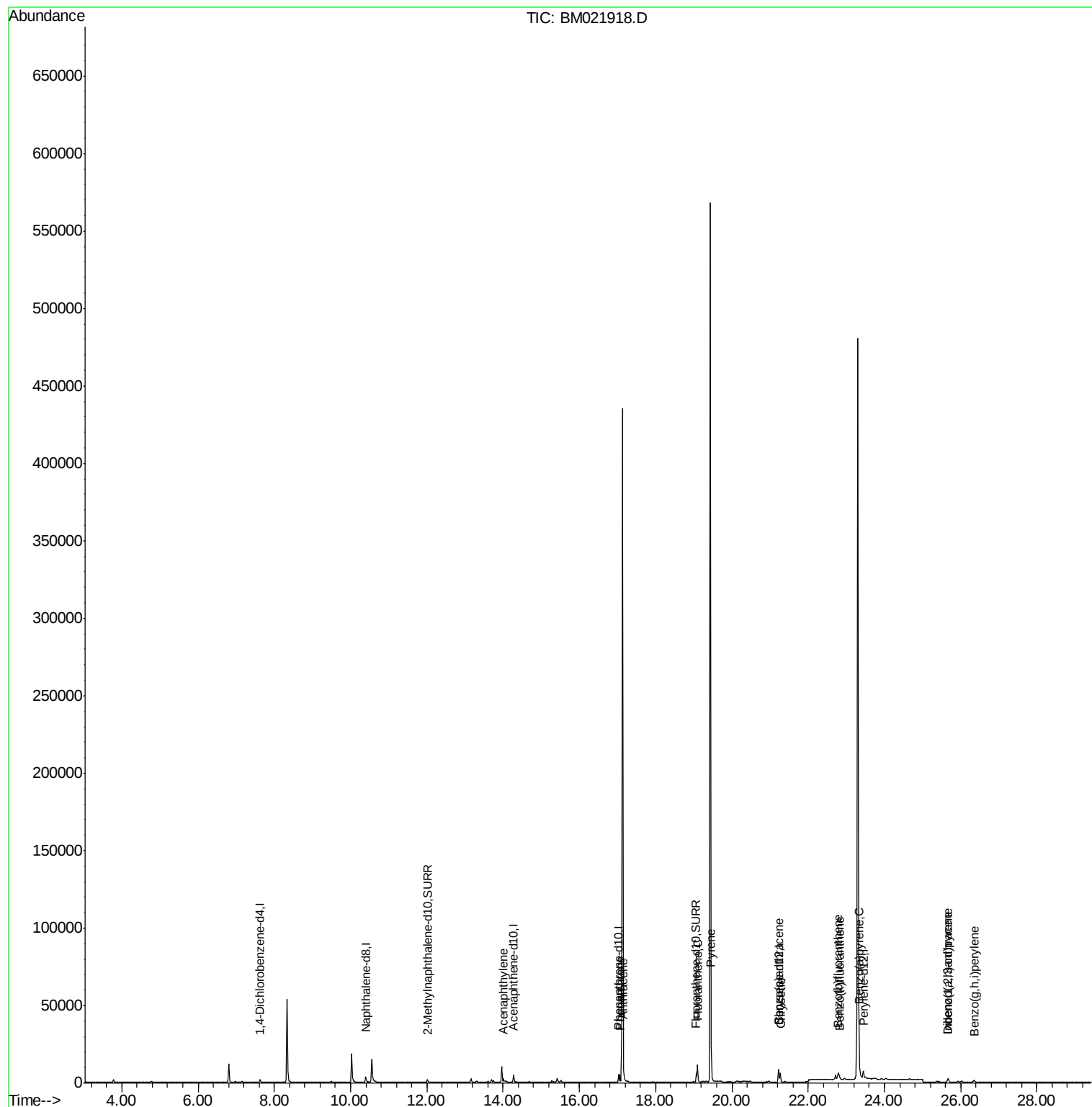
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021918.D
Acq On : 08 Aug 2019 05:13
Operator : HP/JU
Sample : K4029-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

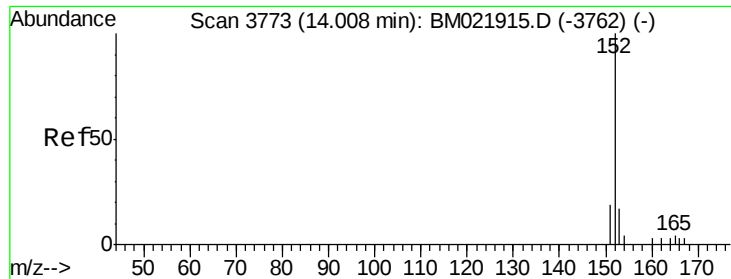
Instrument :
BNA_M
ClientSampleId :
BENY3

Quant Time: Aug 08 07:07:41 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 06:54:24 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:33 AM





#7

Acenaphthylene

Concen: 0.047 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Instrument :

BNA_M

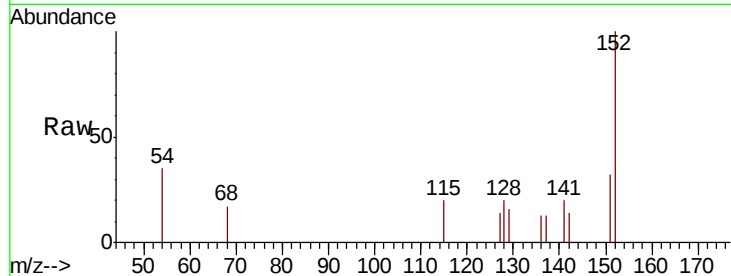
ClientSampleId :

BENY3

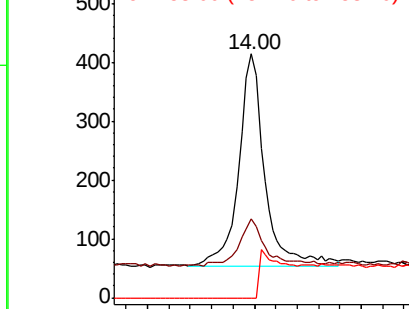
Tot Ion:	152	Resp:	582
Ion Ratio	Lower	Upper	
152	100		
151	32.1	18.3	27.5#
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

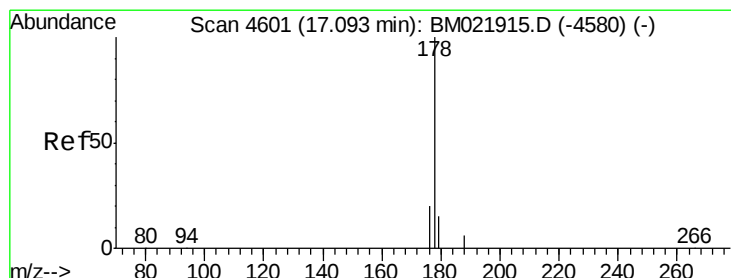
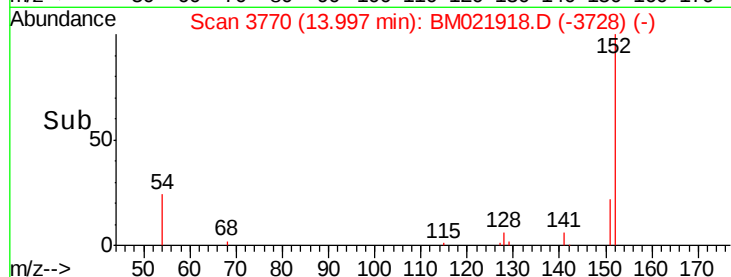
mohammad
8/9/2019 6:11:33 AM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#12

Phenanthrene

Concen: 0.243 ng/ul

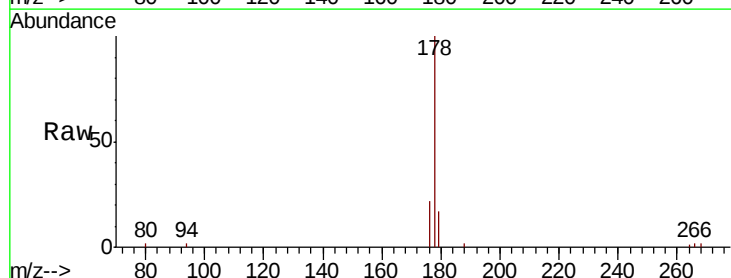
RT: 17.07 min Scan# 4594

Delta R.T. -0.02 min

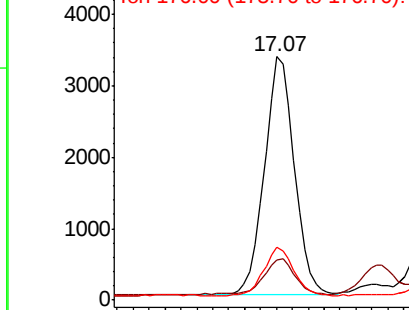
Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

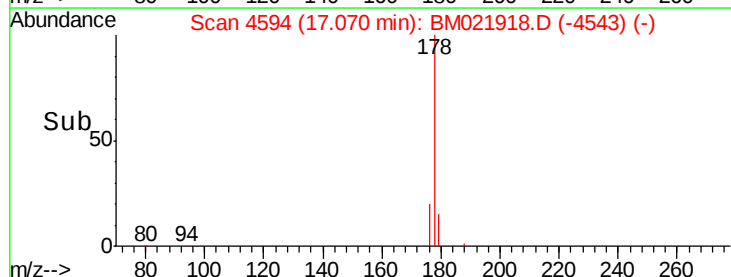
Tgt Ion:	178	Resp:	4351
Ion Ratio	Lower	Upper	
178	100		
179	16.5	14.2	21.2
176	21.6	16.8	25.2

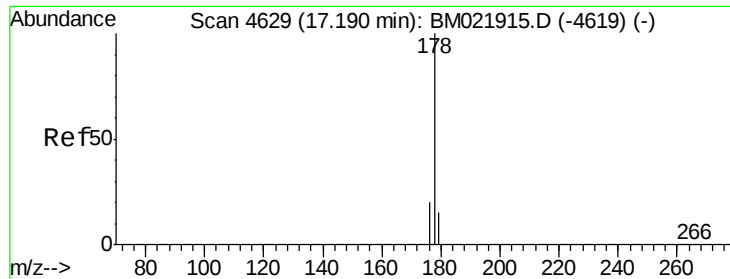


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.076 ng/ul m

RT: 17.16 min Scan# 4621

Delta R.T. -0.03 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Instrument :

BNA_M

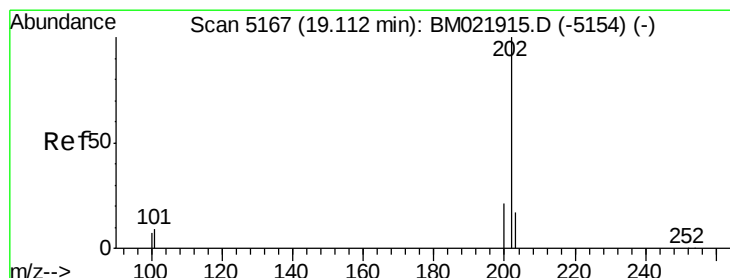
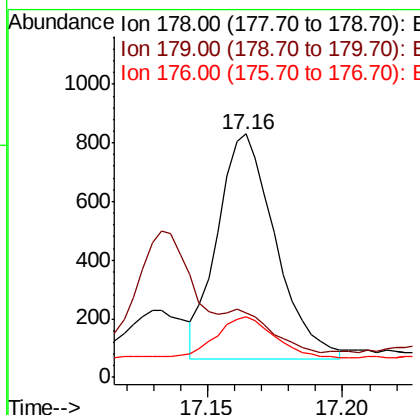
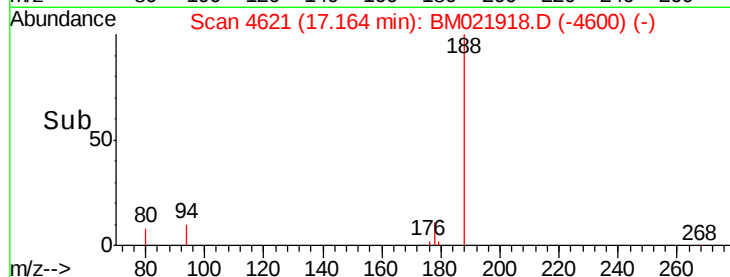
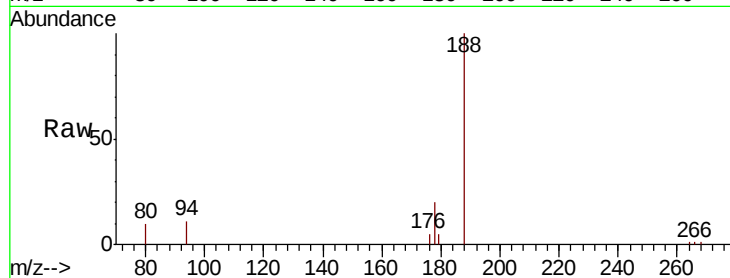
ClientSampled :

BENY3

Tot Ion:	178	Resp:	1155
Ion Ratio	Lower	Upper	
178	100		
179	26.5	15.5	23.3#
176	25.0	16.6	25.0#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:33 AM



#15

Fluoranthene

Concen: 0.401 ng/ul m

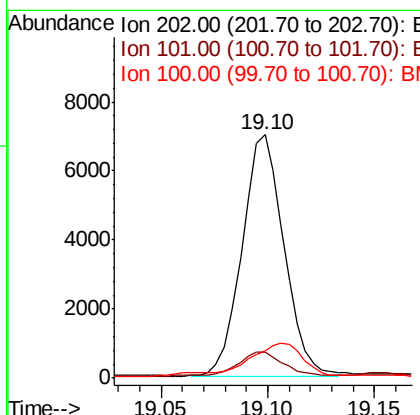
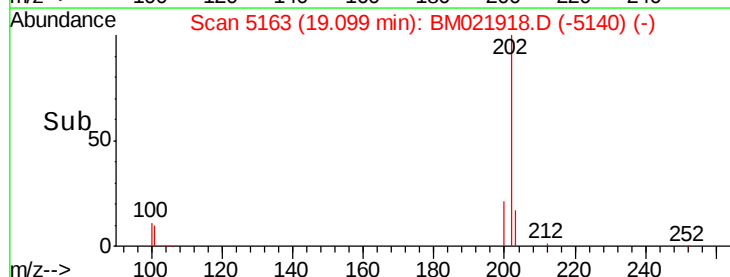
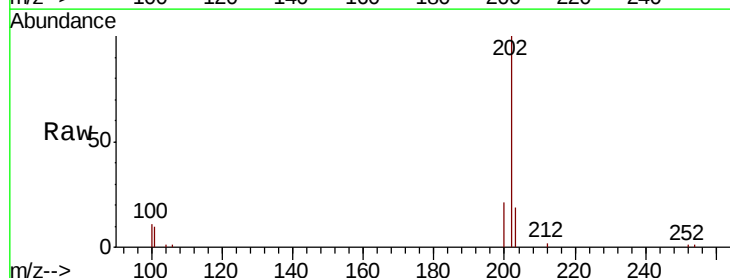
RT: 19.10 min Scan# 5163

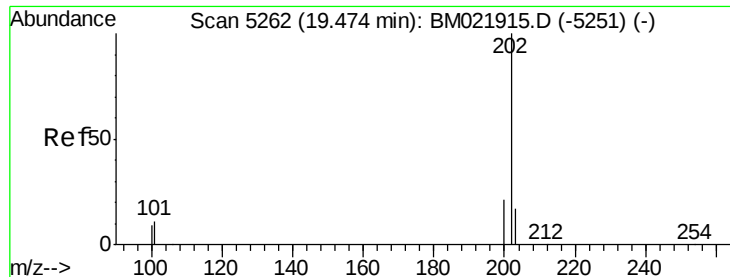
Delta R.T. -0.01 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Tgt Ion:	202	Resp:	9632
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	30.2
100	11.4	0.0	28.1





#17

Pvrene

Concen: 0.361 ng/ul m

RT: 19.46 min Scan# 5258

Delta R.T. -0.01 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Instrument :

BNA_M

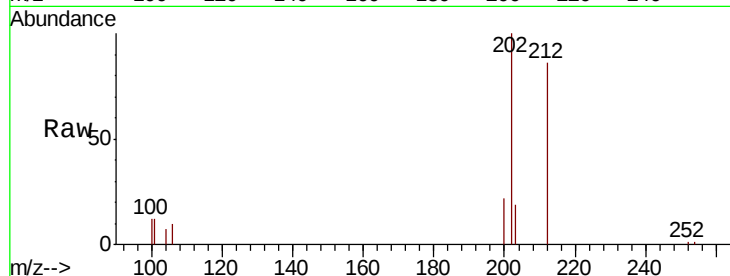
ClientSampleId :

BENY3

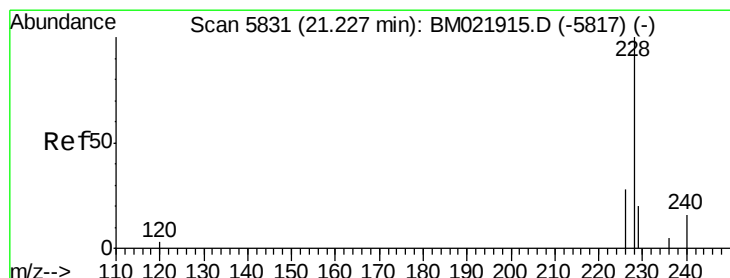
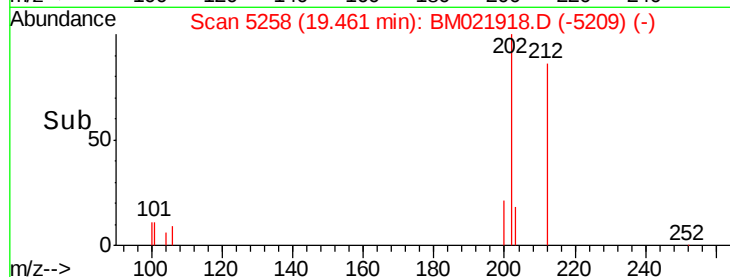
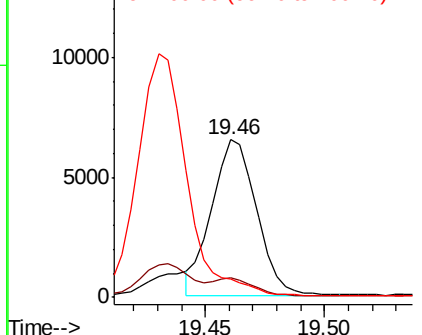
Tot Ion:	202	Resp:	8528
Ion Ratio	Lower	Upper	
202	100		
101	12.1	8.3	12.5
100	11.5	7.2	10.8#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:33 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



#18

Benzo(a)anthracene

Concen: 0.244 ng/ul

RT: 21.22 min Scan# 5827

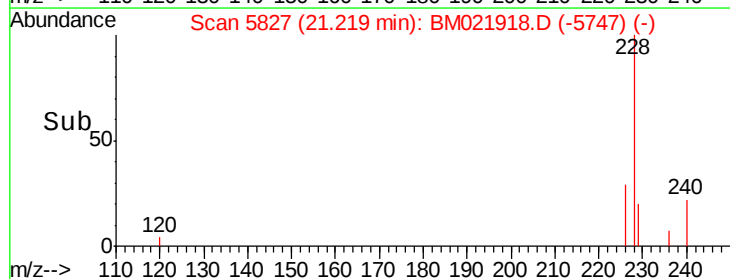
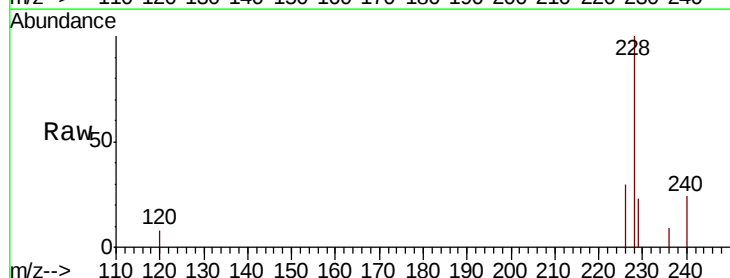
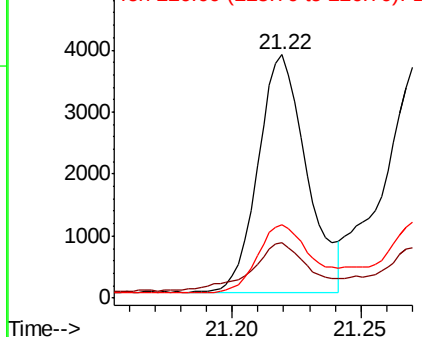
Delta R.T. -0.01 min

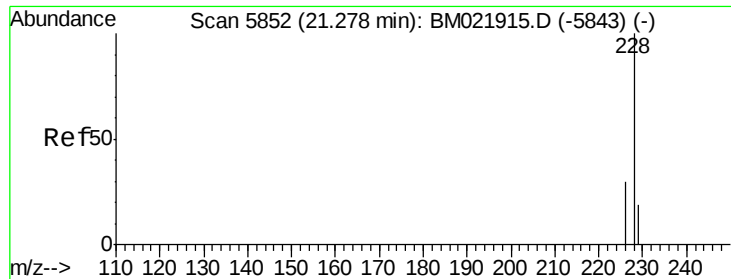
Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Tgt Ion:	228	Resp:	5024
Ion Ratio	Lower	Upper	
228	100		
229	23.0	17.2	25.8
226	30.3	22.6	34.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.228 ng/ul m

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Instrument :

BNA_M

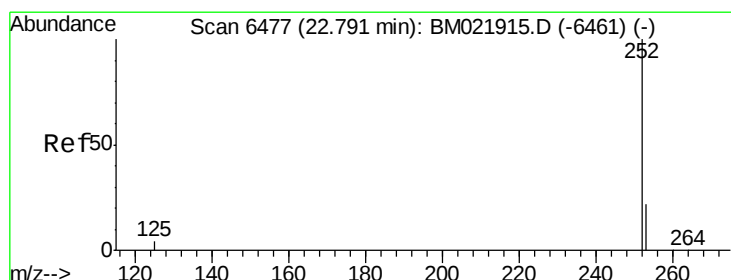
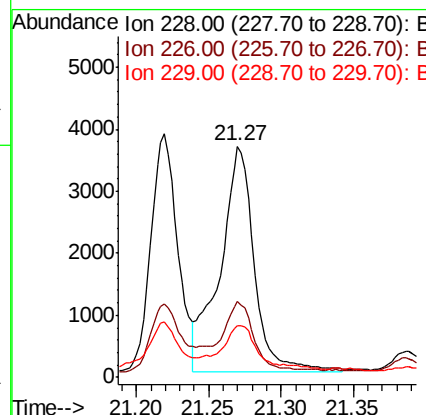
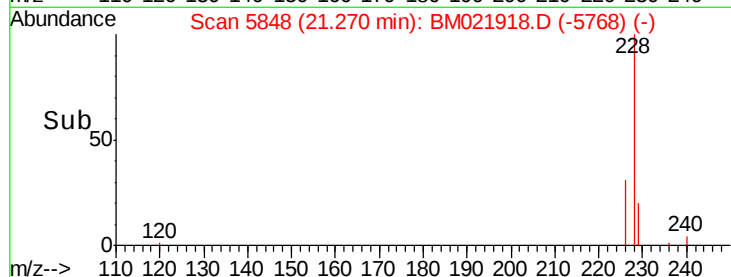
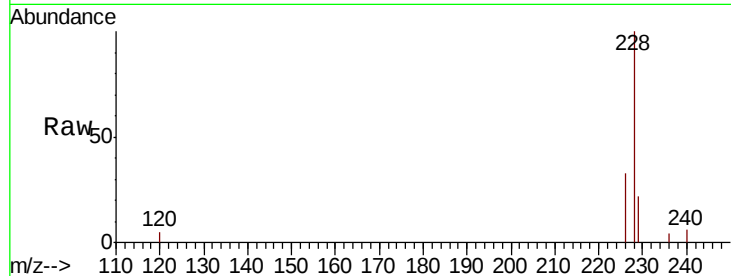
ClientSampled :

BENY3

Tot Ion:	228	Resp:	6029
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.9	37.3
229	22.1	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:33 AM



#21

Benzo(b)fluoranthene

Concen: 0.342 ng/ul m

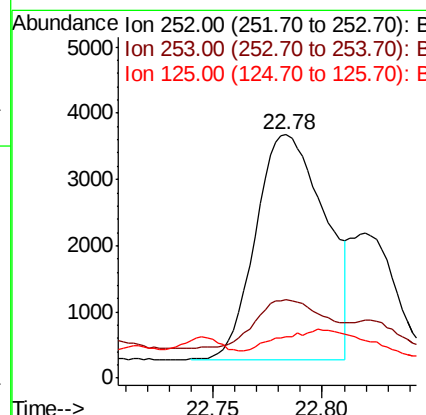
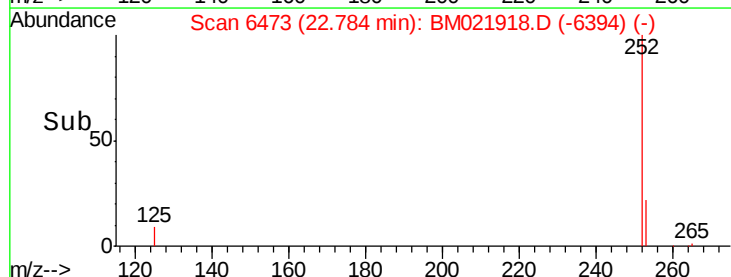
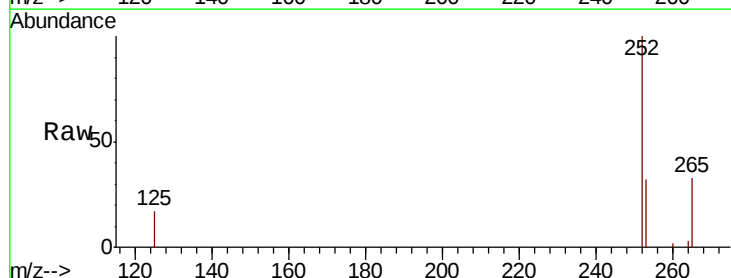
RT: 22.78 min Scan# 6473

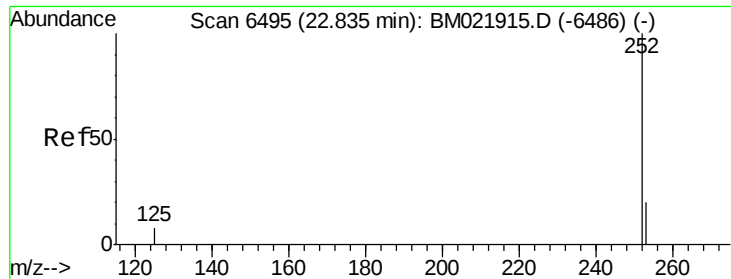
Delta R.T. -0.01 min

Lab File: BM021918.D

Acq: 08 Aug 2019 05:13

Tgt Ion:	252	Resp:	7546
Ion Ratio	Lower	Upper	
252	100		
253	32.2	0.0	67.4
125	16.7	0.0	31.0





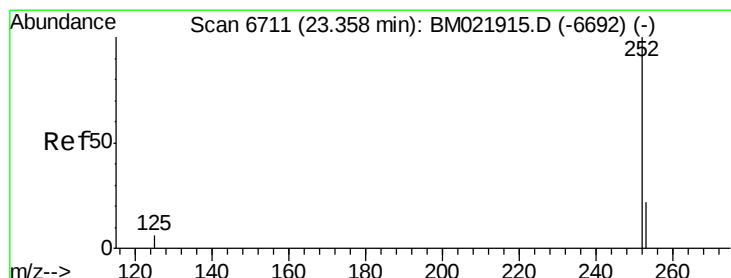
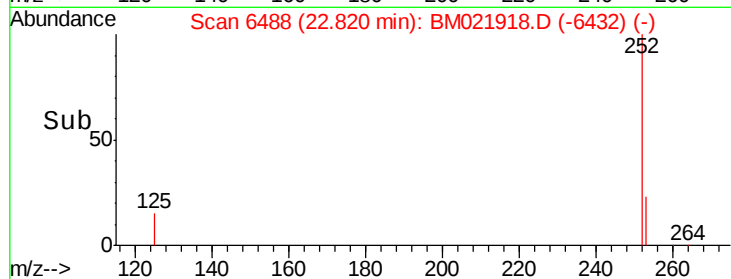
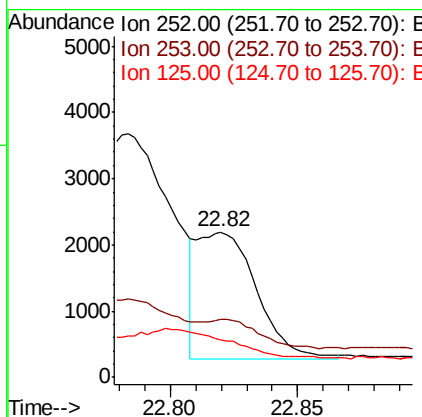
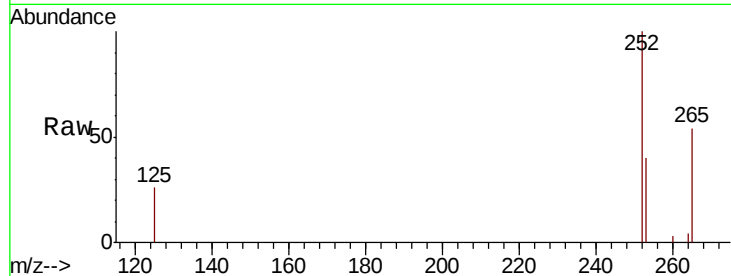
#22
Benzo(k)fluoranthene
Concen: 0.124 ng/ul m
RT: 22.82 min Scan# 6488
Delta R.T. -0.01 min
Lab File: BM021918.D
Acq: 08 Aug 2019 05:13

Instrument :
BNA_M
ClientSampleID :
BENY3

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.2	27.0	40.4
125	26.2	12.2	18.2

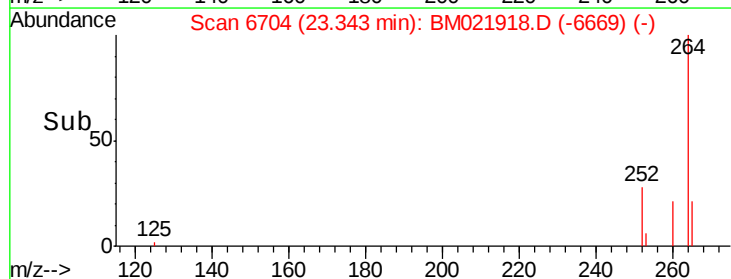
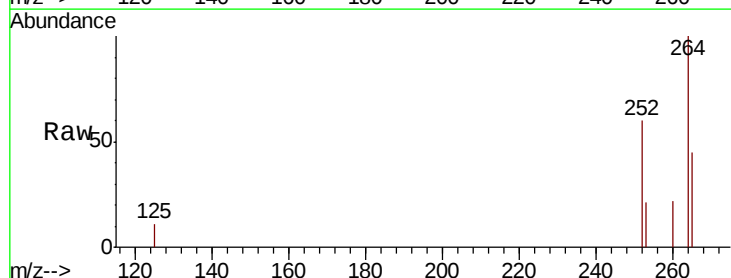
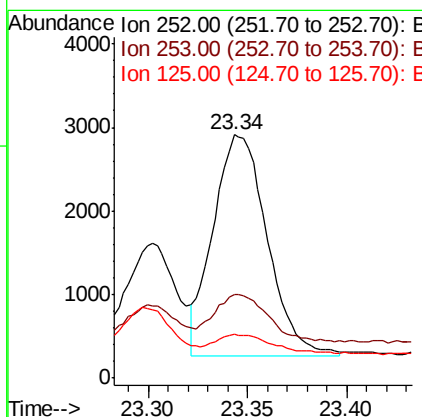
Manual Integrations
APPROVED

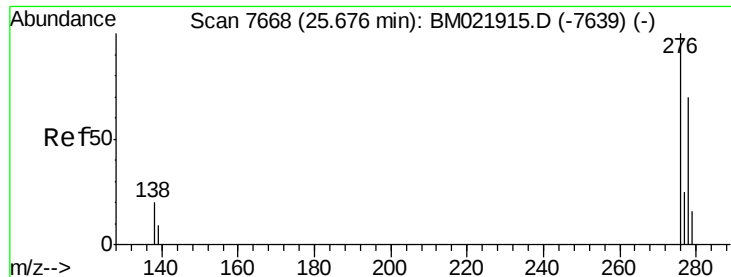
mohammad
8/9/2019 6:11:33 AM



#23
Benzo(a)pyrene
Concen: 0.225 ng/ul m
RT: 23.34 min Scan# 6704
Delta R.T. -0.01 min
Lab File: BM021918.D
Acq: 08 Aug 2019 05:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.3	31.7	47.5
125	17.8	14.6	21.8





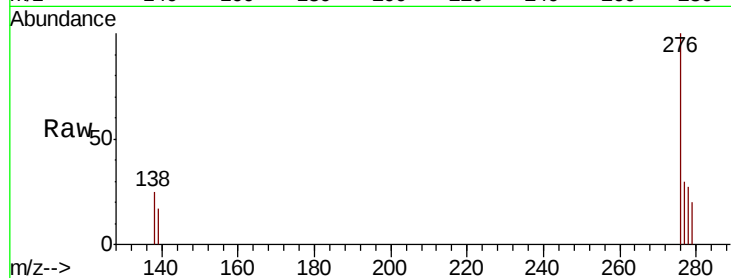
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.129 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.01 min
Lab File: BM021918.D
Acq: 08 Aug 2019 05:13

Instrument :
BNA_M
ClientSampleId :
BENY3

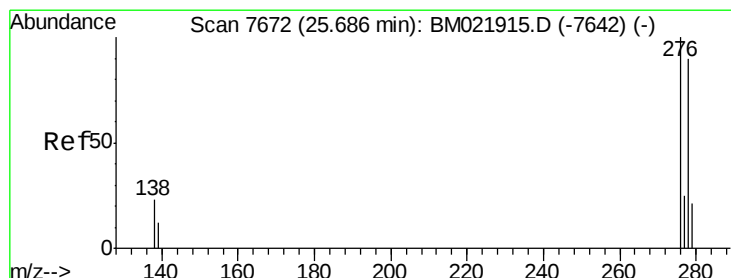
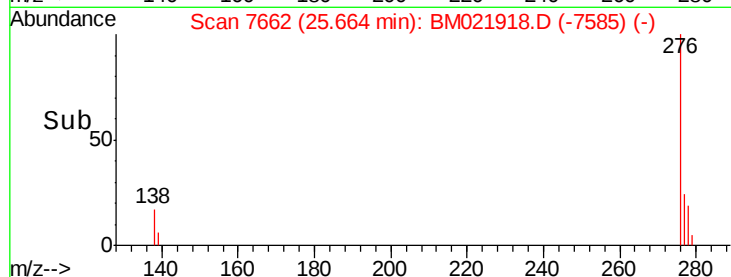
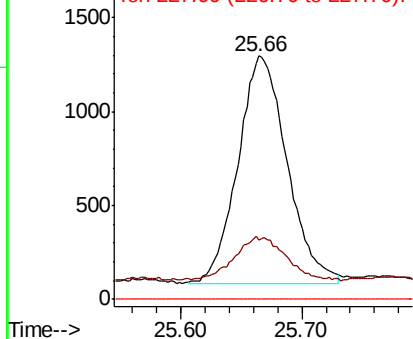
Tot Ion	Ratio	Lower	Upper
276	100		
138	0.8	15.1	22.7#
227	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:11:33 AM



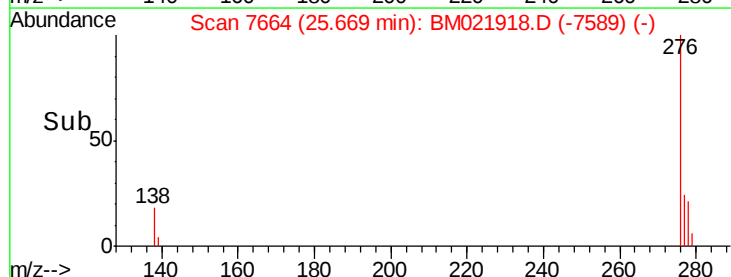
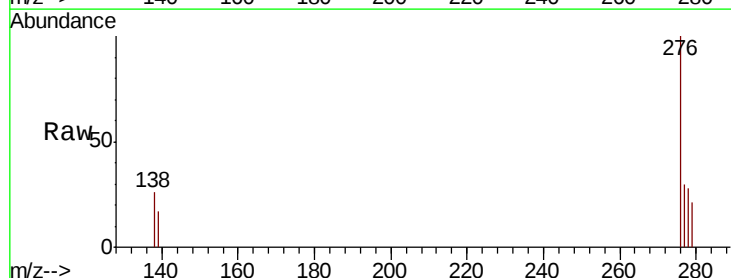
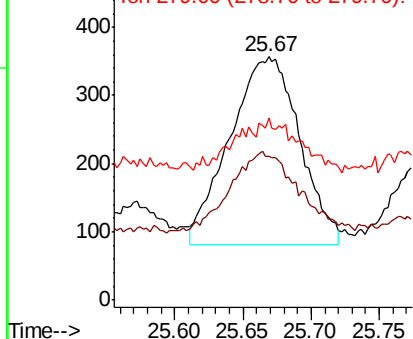
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E

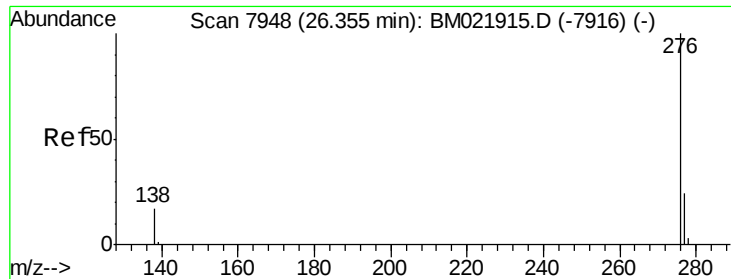


#25
Dibenzo(a,h)anthracene
Concen: 0.045 ng/ul m
RT: 25.67 min Scan# 7664
Delta R.T. -0.02 min
Lab File: BM021918.D
Acq: 08 Aug 2019 05:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	58.8	14.2	21.2#
279	74.8	28.3	42.5#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26
 Benzo(a,h,i)perylene
 Concen: 0.113 ng/ul m
 RT: 26.35 min Scan# 7944
 Delta R.T. -0.01 min
 Lab File: BM021918.D
 Acq: 08 Aug 2019 05:13

Instrument :
 BNA_M
 ClientSampleId :
 BENY3

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.9	15.5	23.3#
277	32.0	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:11:33 AM

