

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
 Data File : BM022070.D
 Acq On : 13 Aug 2019 15:08
 Operator : HP/JU
 Sample : K4041-13DL 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENW6DL

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:07:19 PM

Quant Time: Aug 13 17:46:02 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 : Tue Aug 13 17:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	706	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	2975	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.27	164	1557	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	3420	0.40	ng/ul	0.02
16) Chrysene-d12	21.22	240	3569	0.40	ng/ul	-0.02
20) Perylene-d12	23.44	264	3705	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	358	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	765	0.07	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	339	0.040	ng/ul#	48
5) 2-Methylnaphthalene	12.10	142	178	0.032	ng/ul	100
7) Acenaphthylene	13.99	152	954	0.131	ng/ul#	81
8) Acenaphthene	14.33	153	249	0.042	ng/ul#	91
9) Fluorene	15.33	166	319	0.048	ng/ul#	94
12) Phenanthrene	17.06	178	6468	0.650	ng/ul	99
13) Anthracene	17.16	178	1908	0.225	ng/ul	95
15) Fluoranthene	19.09	202	17686	1.327	ng/ul	97
17) Pyrene	19.45	202	21603	1.473	ng/ul	98
18) Benzo(a)anthracene	21.21	228	12066	0.945	ng/ul	98
19) Chrysene	21.26	228	14054	0.856	ng/ul	98
21) Benzo(b)fluoranthene	22.77	252	15949m	1.277	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	6039m	0.427	ng/ul	
23) Benzo(a)pyrene	23.34	252	12167	0.958	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.64	276	7970	0.525	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.65	278	2173	0.177	ng/ul#	81
26) Benzo(g,h,i)perylene	26.32	276	8331	0.610	ng/ul	99

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

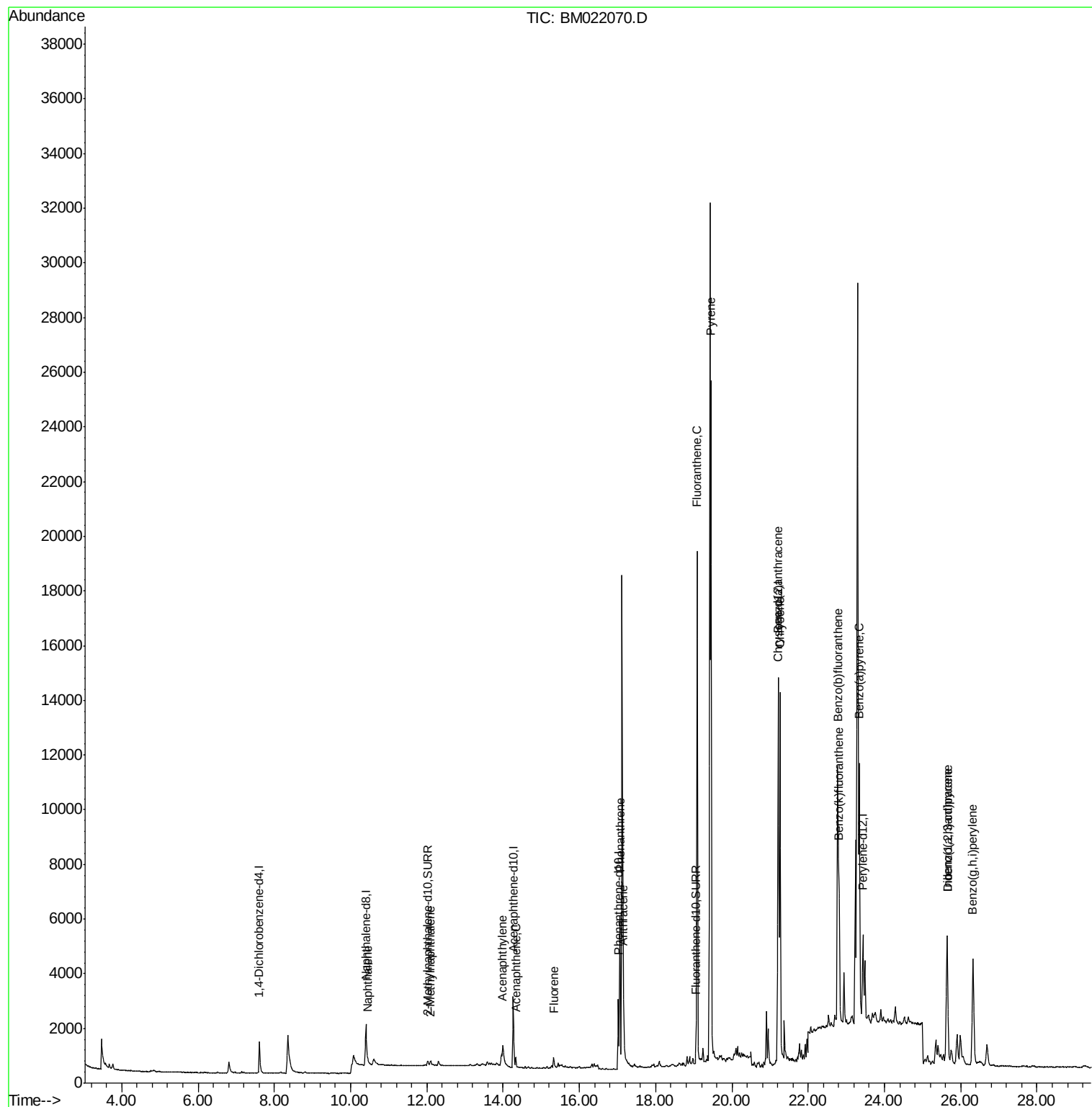
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\
Data File : BM022070.D
Acq On : 13 Aug 2019 15:08
Operator : HP/JU
Sample : K4041-13DL 5X
Misc :
ALS Vial : 50 Sample Multiplier: 1

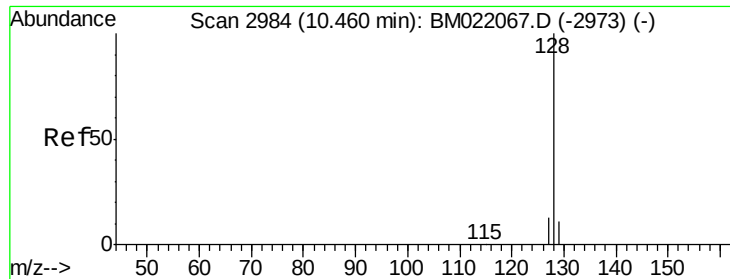
Instrument :
BNA_M
ClientSampleId :
BENW6DL

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM

Quant Time: Aug 13 17:46:02 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 : Tue Aug 13 17:32:37 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.040 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

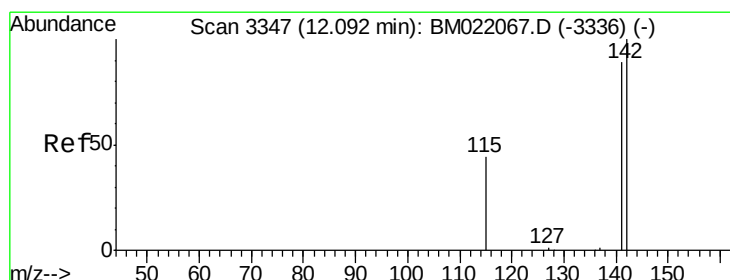
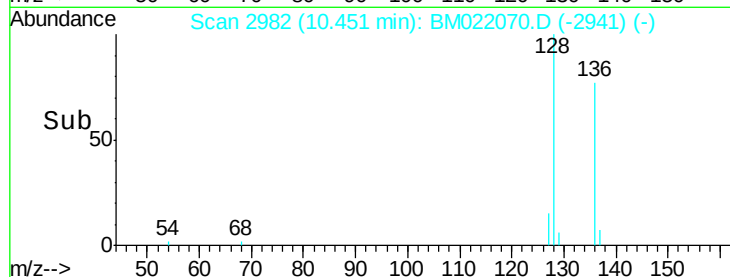
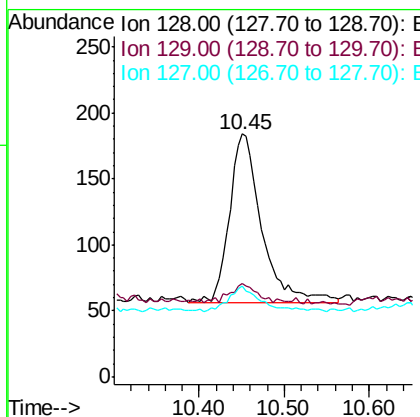
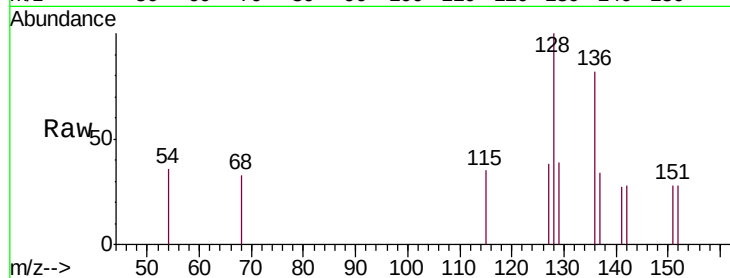
ClientSampleId :

BENW6DL

Tgt Ion:	128	Resp:	339
Ion Ratio	Lower	Upper	
128	100		
129	38.6	12.3	18.5#
127	37.5	13.0	19.6#

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#5

2-Methylnaphthalene

Concen: 0.032 ng/ul

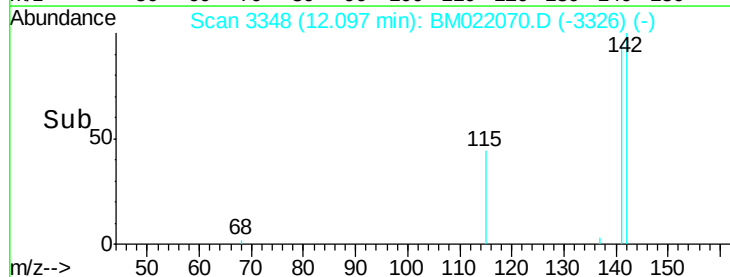
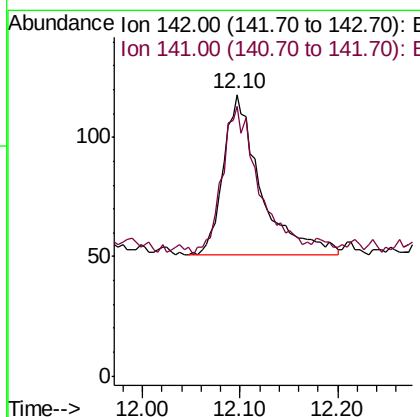
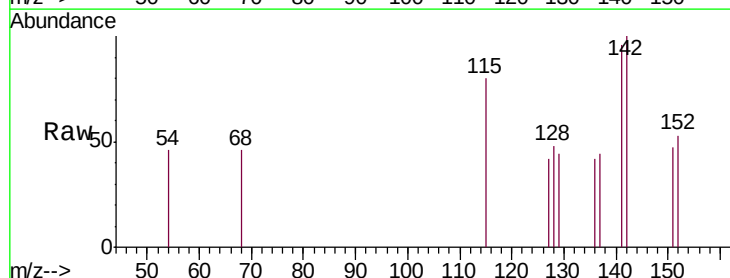
RT: 12.10 min Scan# 3348

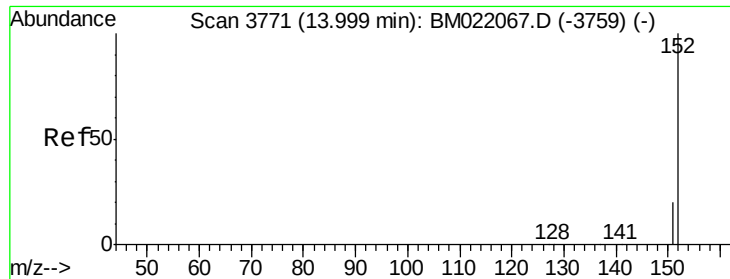
Delta R.T. 0.00 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion:	142	Resp:	178
Ion Ratio	Lower	Upper	
142	100		
141	92.7	74.3	111.5





#7

Acenaphthylene

Concen: 0.131 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022070.D

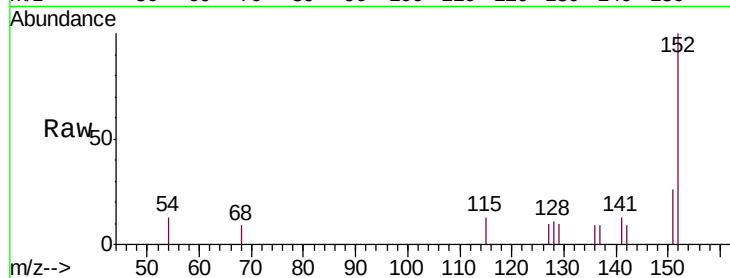
Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

ClientSampleId :

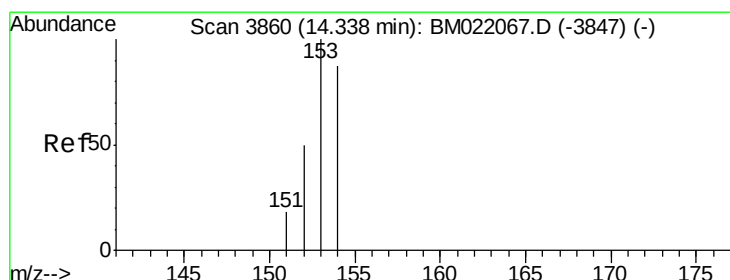
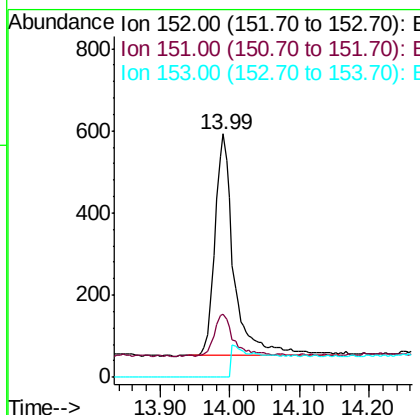
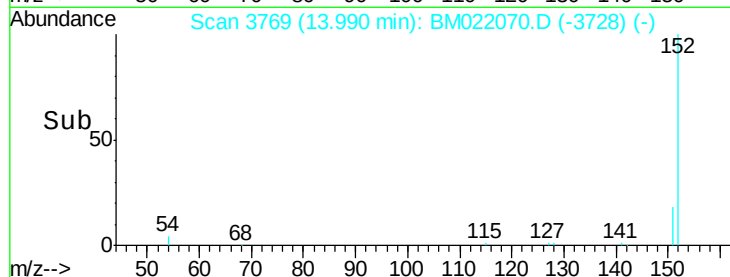
BENW6DL



Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.0	18.3	27.5
153	0.0	12.8	19.2

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#8

Acenaphthene

Concen: 0.042 ng/ul

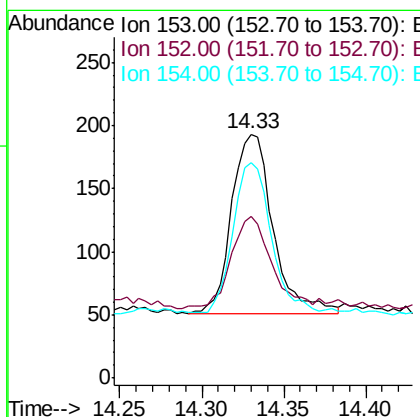
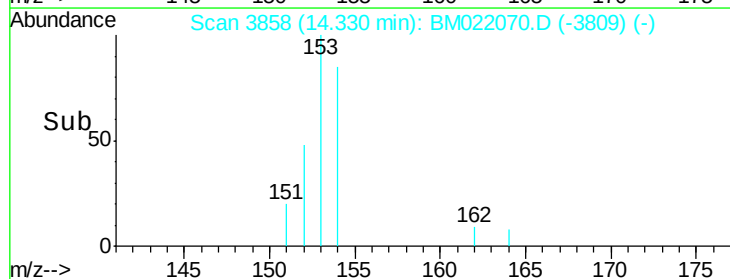
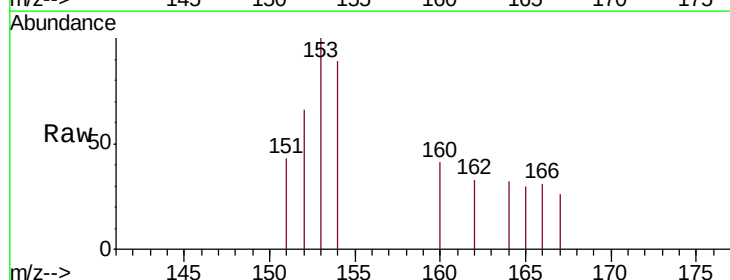
RT: 14.33 min Scan# 3858

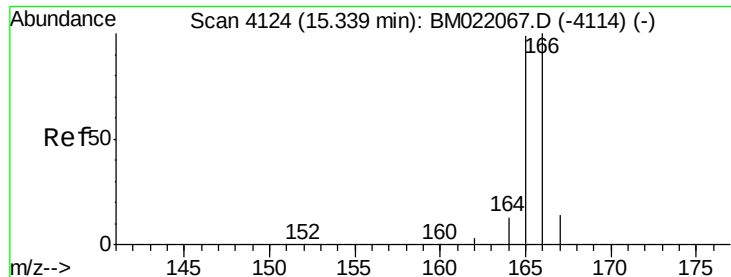
Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	66.3	41.3	61.9
154	88.6	72.3	108.5





#9

Fluorene

Concen: 0.048 ng/ul

RT: 15.33 min Scan# 4121

Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

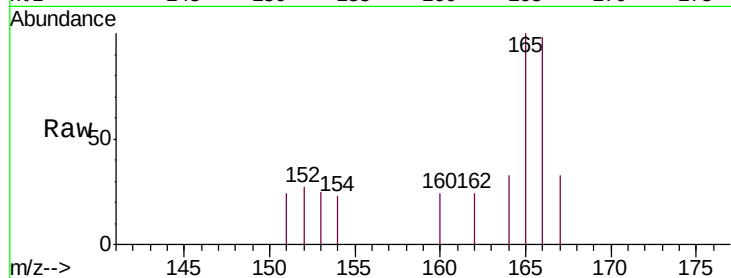
ClientSampleId :

BENW6DL

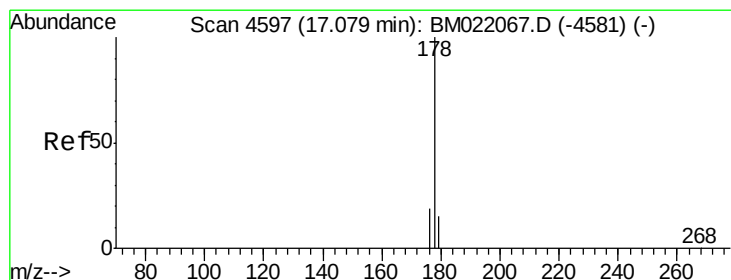
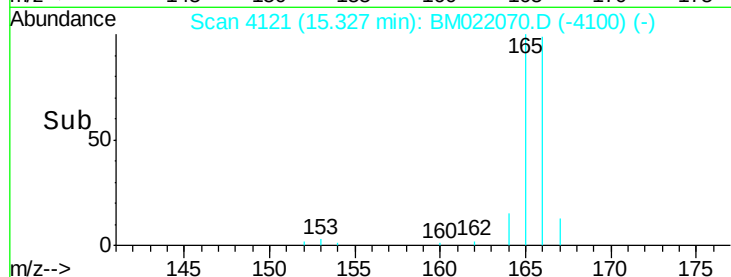
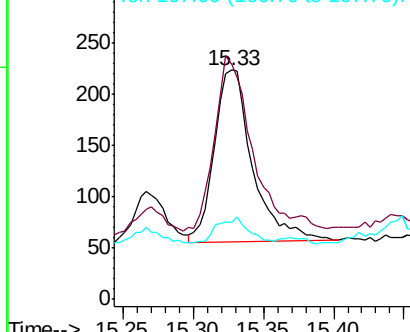
Tgt Ion:	166	Resp:	319
Ion Ratio	Lower	Upper	
166	100		
165	102.2	81.4	122.0
167	33.9	13.7	20.5#

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 0.650 ng/ul

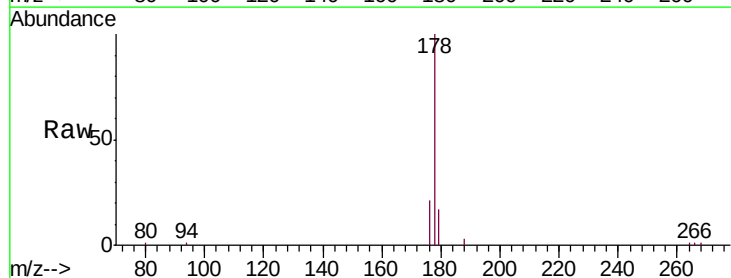
RT: 17.06 min Scan# 4592

Delta R.T. -0.02 min

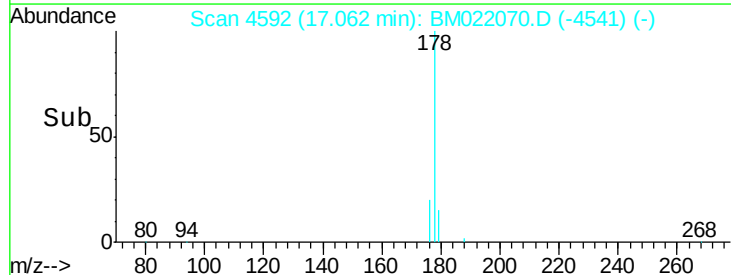
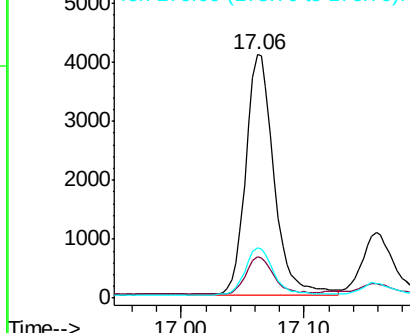
Lab File: BM022070.D

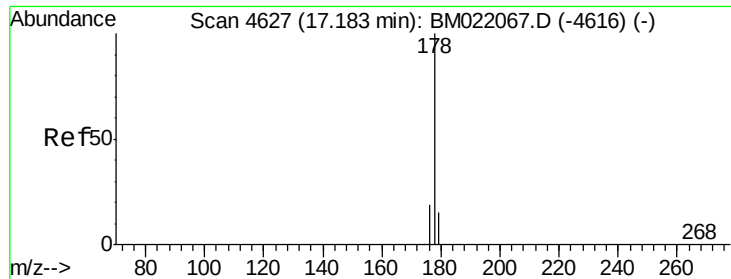
Acq: 13 Aug 2019 15:08

Tgt Ion:	178	Resp:	6468
Ion Ratio	Lower	Upper	
178	100		
179	16.7	14.2	21.2
176	20.8	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





#13

Anthracene

Concen: 0.225 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

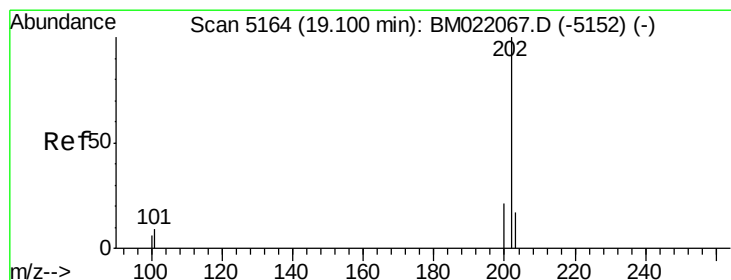
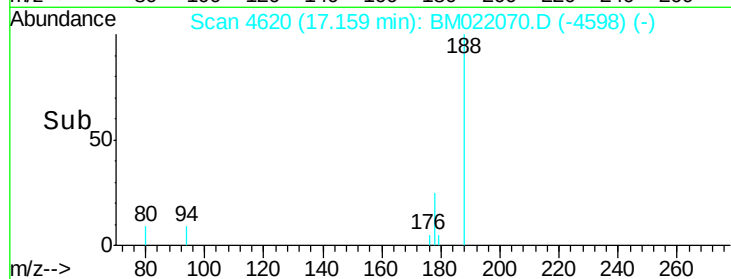
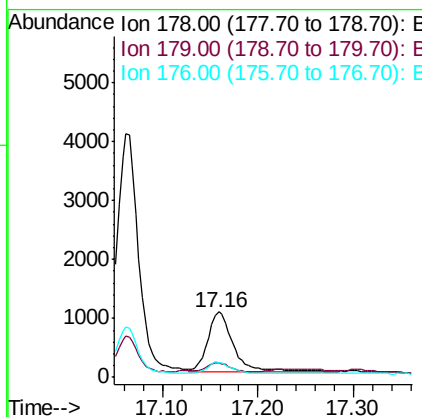
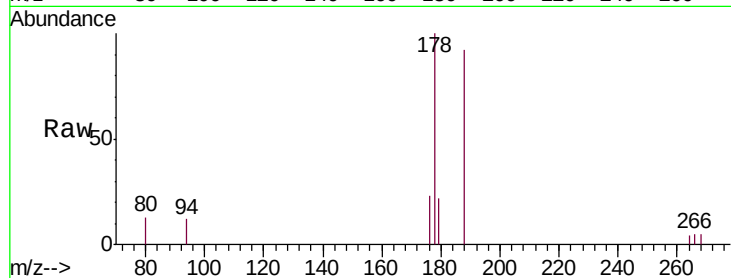
ClientSampled :

BENW6DL

Tgt Ion:	178	Resp:	1908
Ion Ratio	Lower	Upper	
178	100		
179	21.6	15.5	23.3
176	23.1	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#15

Fluoranthene

Concen: 1.327 ng/ul

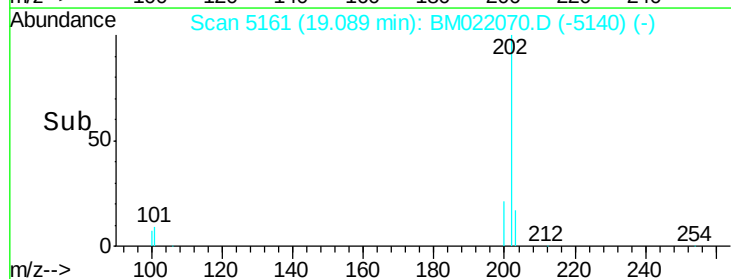
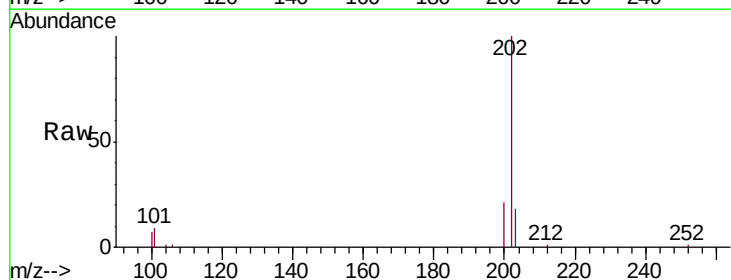
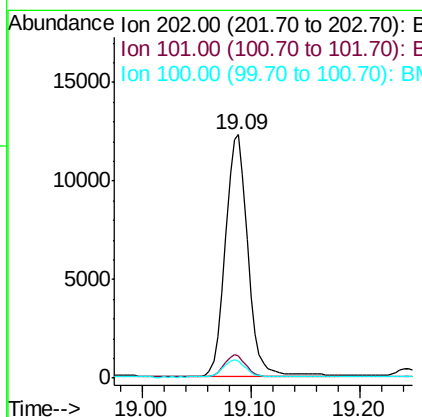
RT: 19.09 min Scan# 5161

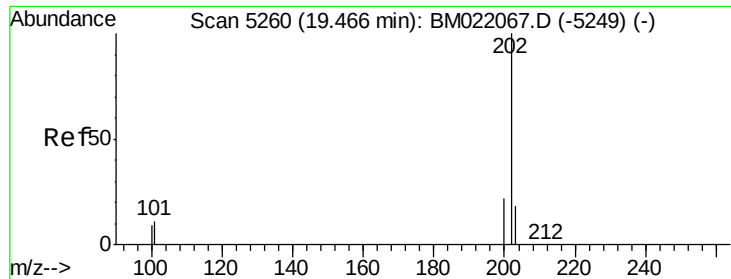
Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion:	202	Resp:	17686
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	30.2
100	7.0	0.0	28.1





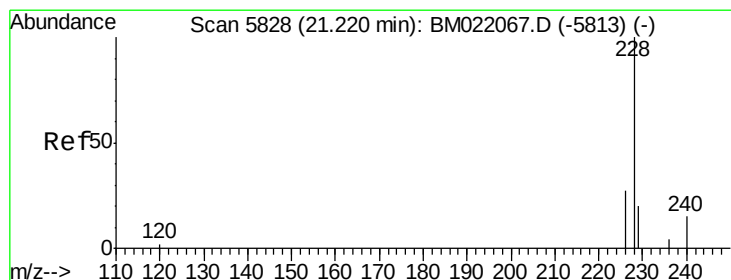
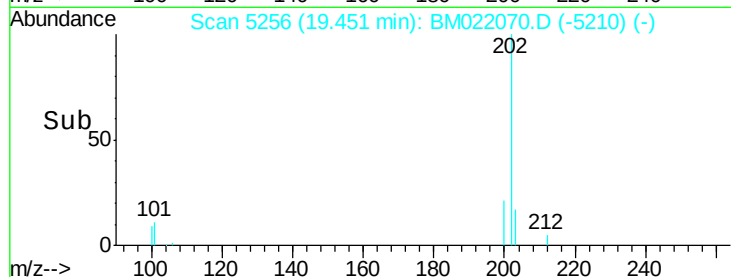
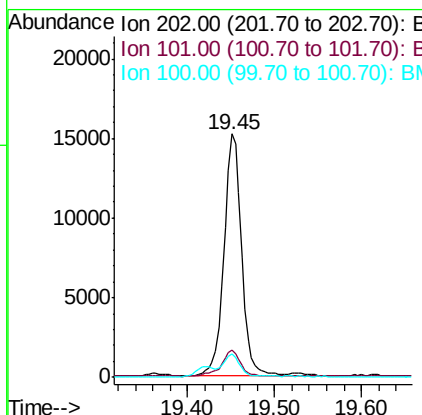
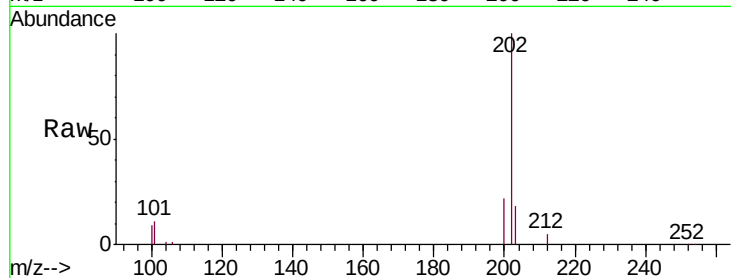
#17
Pyrene
 Concen: 1.473 ng/ul
 RT: 19.45 min Scan# 5256
 Delta R.T. -0.02 min
 Lab File: BM022070.D
 Acq: 13 Aug 2019 15:08

Instrument :
 BNA_M
 ClientSampleId :
 BENW6DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.3	8.3	12.5
100	9.4	7.2	10.8

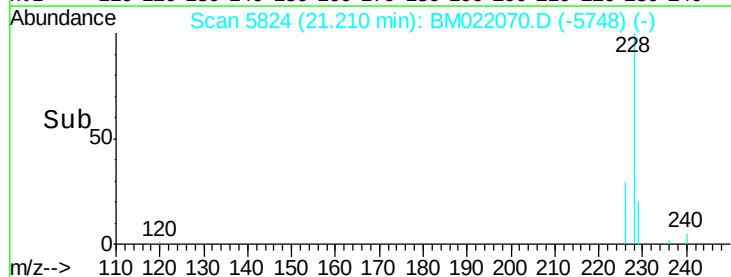
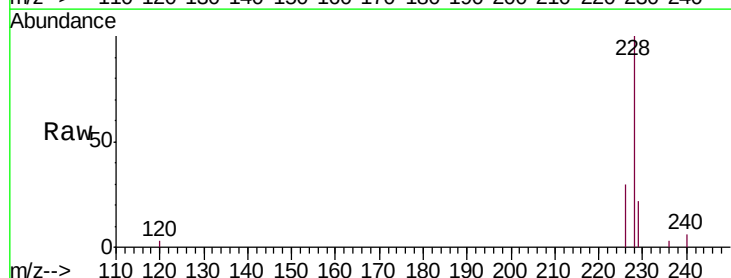
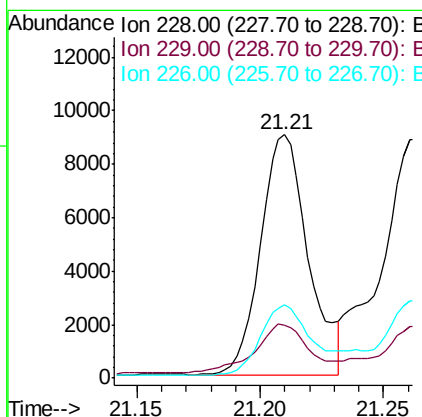
Manual Integrations
 APPROVED

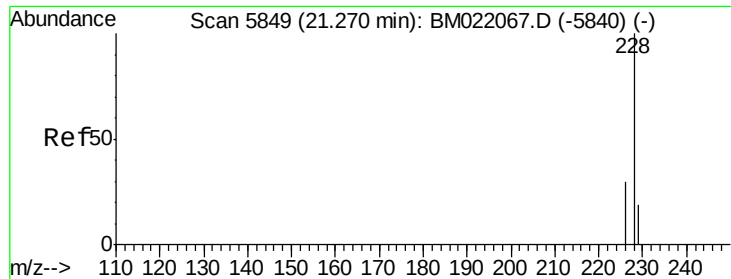
mohammad
 8/15/2019 5:07:19 PM



#18
Benzo(a)anthracene
 Concen: 0.945 ng/ul
 RT: 21.21 min Scan# 5824
 Delta R.T. -0.02 min
 Lab File: BM022070.D
 Acq: 13 Aug 2019 15:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	21.6	17.2	25.8
226	29.9	22.6	34.0





#19

Chrysene

Concen: 0.856 ng/ul

RT: 21.26 min Scan# 5846

Delta R.T. -0.01 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

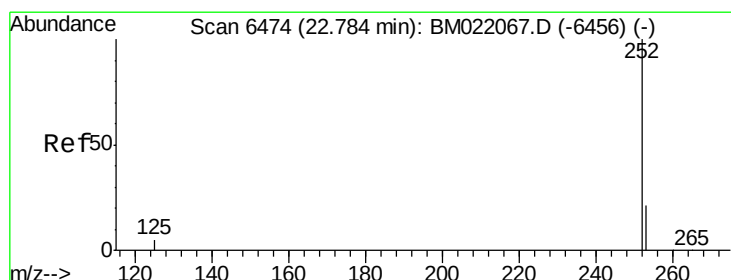
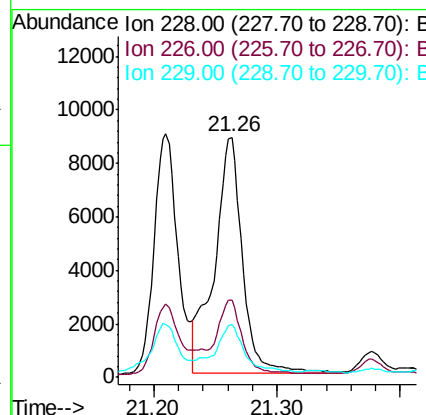
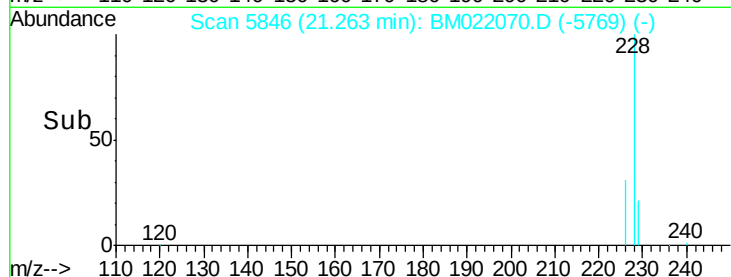
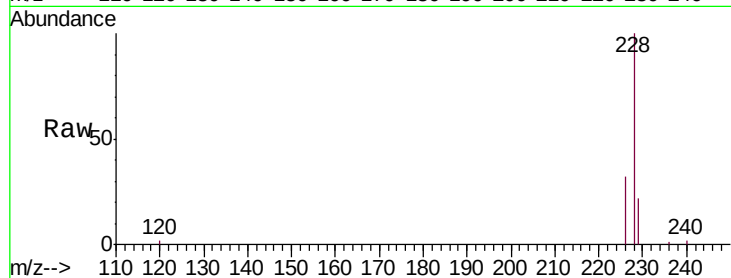
ClientSampleId :

BENW6DL

Tgt Ion:	228	Resp:	14054
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.9	37.3
229	21.9	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#21

Benzo(b)fluoranthene

Concen: 1.277 ng/ul m

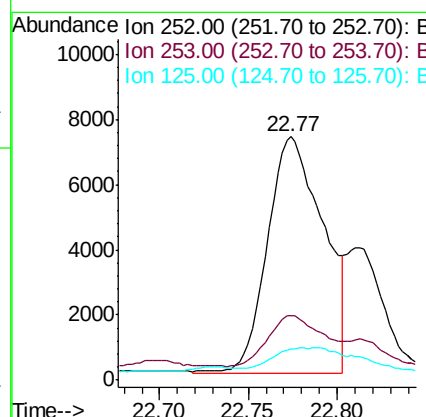
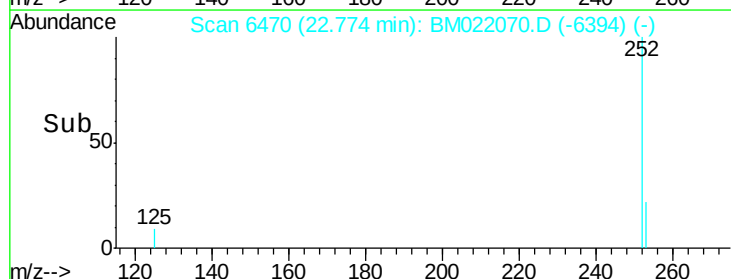
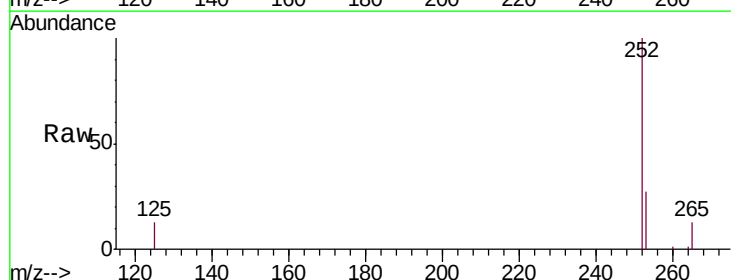
RT: 22.77 min Scan# 6470

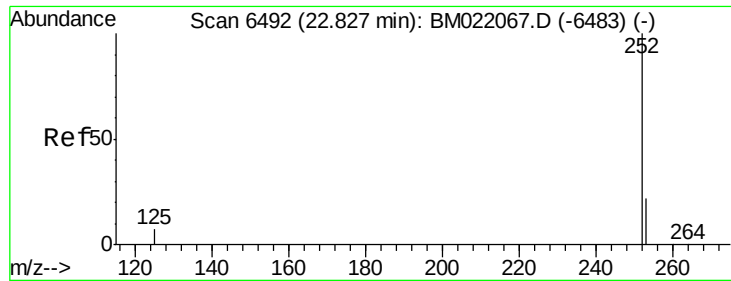
Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion:	252	Resp:	15949
Ion Ratio	Lower	Upper	
252	100		
253	26.6	0.0	67.4
125	12.9	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 0.427 ng/ul

RT: 22.81 min Scan# 6485

Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

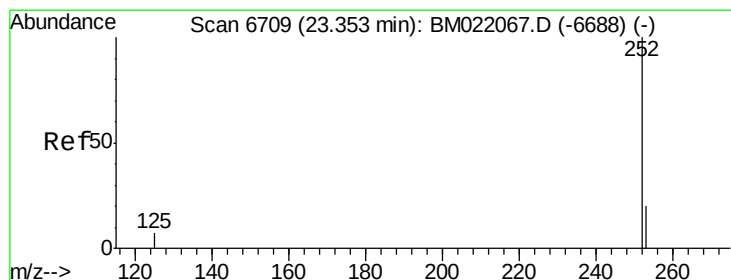
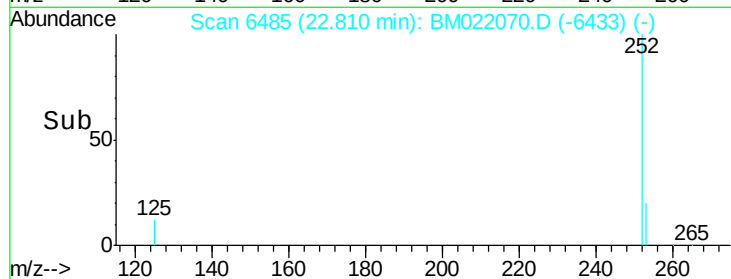
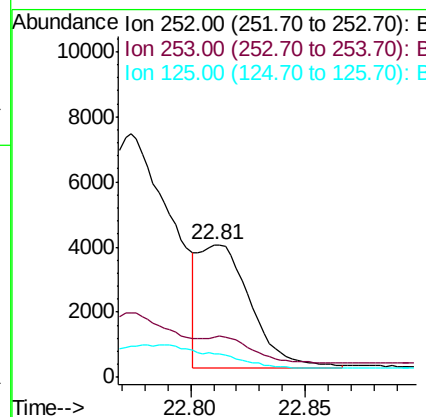
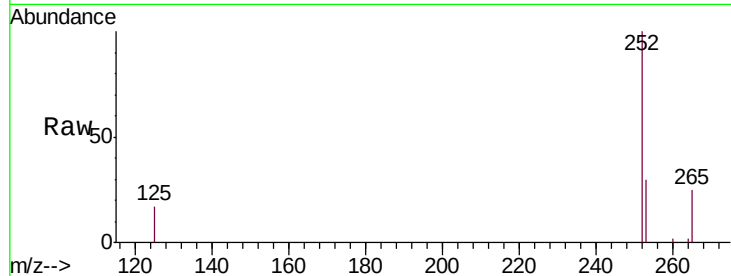
ClientSampleId :

BENW6DL

Tgt Ion:	252	Resp:	6039
Ion Ratio	Lower	Upper	
252	100		
253	30.2	27.0	40.4
125	17.4	12.2	18.2

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#23

Benzo(a)pyrene

Concen: 0.958 ng/ul

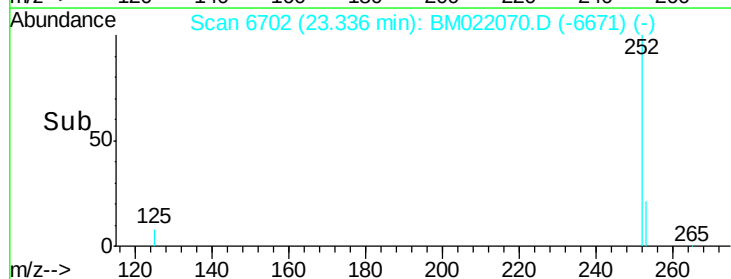
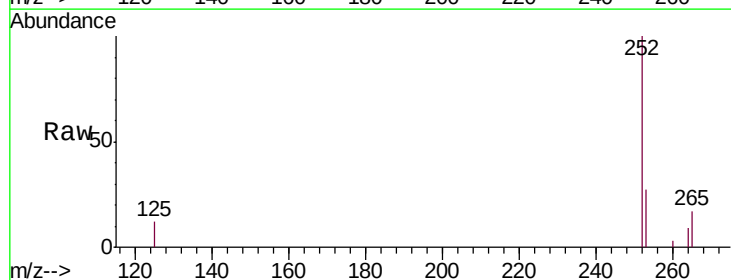
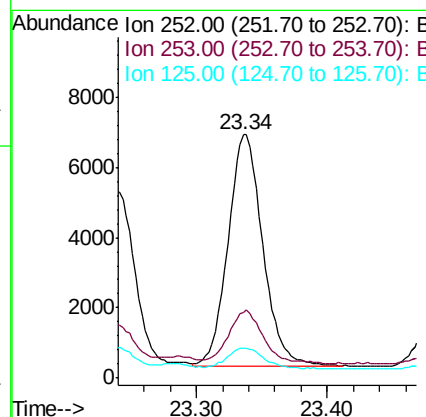
RT: 23.34 min Scan# 6702

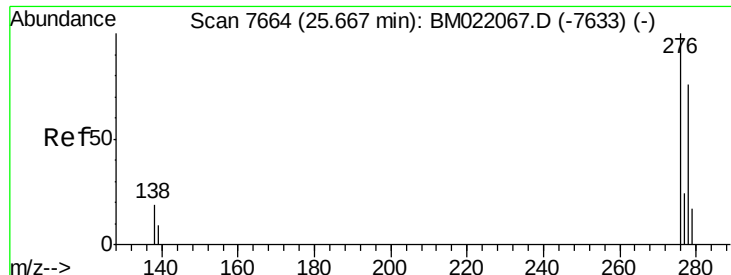
Delta R.T. -0.02 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion:	252	Resp:	12167
Ion Ratio	Lower	Upper	
252	100		
253	27.1	31.7	47.5#
125	12.4	14.6	21.8#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.525 ng/ul

RT: 25.64 min Scan# 7654

Delta R.T. -0.03 min

Lab File: BM022070.D

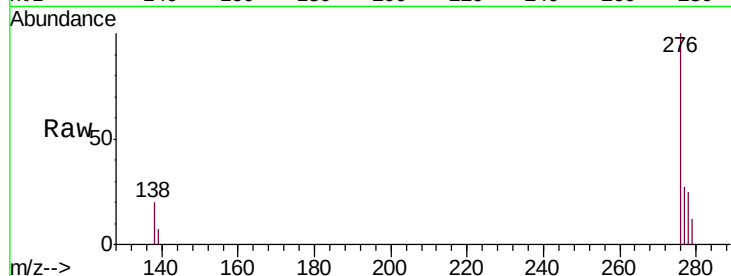
Acq: 13 Aug 2019 15:08

Instrument :

BNA_M

ClientSampleId :

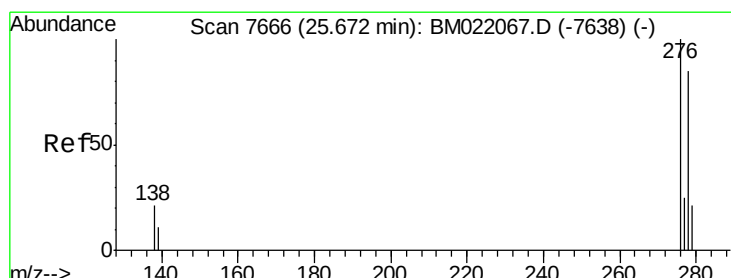
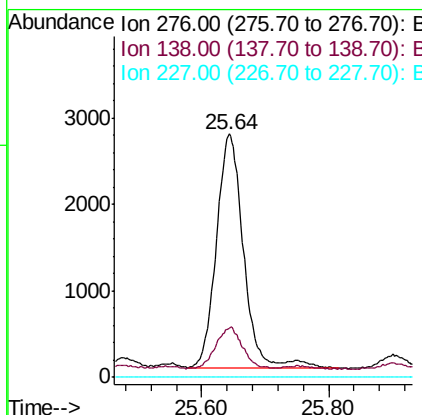
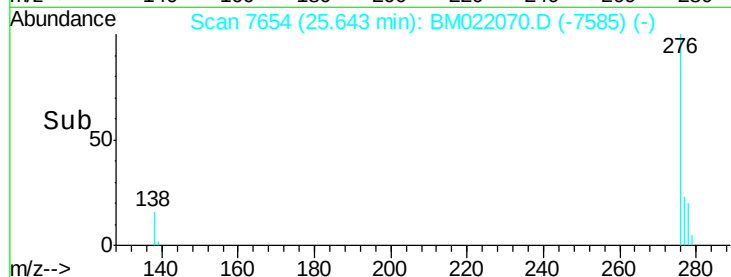
BENW6DL



Tgt Ion:	276	Resp:	7970
Ion Ratio	Lower	Upper	
276	100		
138	17.4	15.1	22.7
227	0.0	0.0	0.0

Manual Integrations
APPROVED

mohammad
8/15/2019 5:07:19 PM



#25

Dibenzo(a,h)anthracene

Concen: 0.177 ng/ul

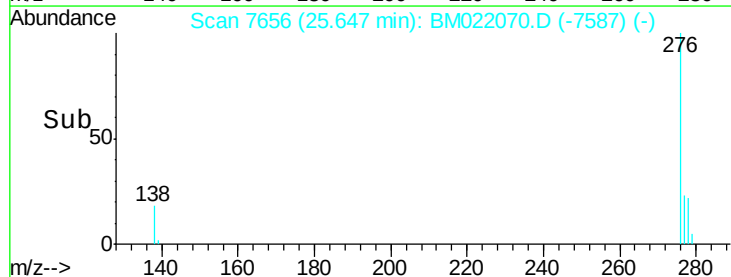
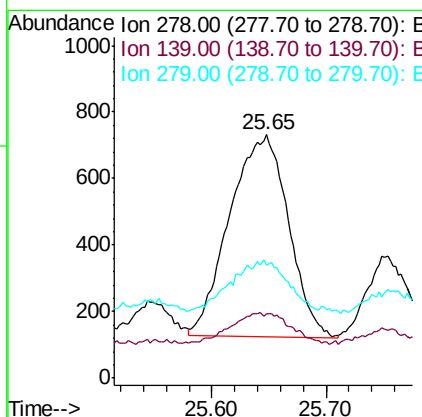
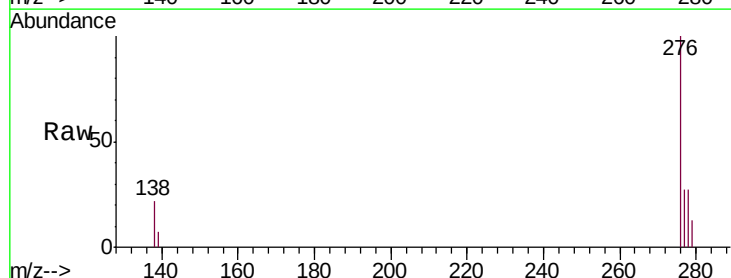
RT: 25.65 min Scan# 7656

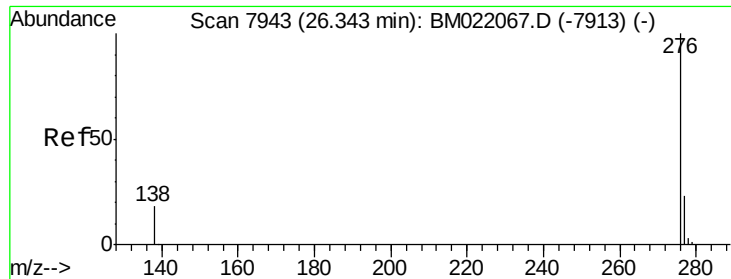
Delta R.T. -0.03 min

Lab File: BM022070.D

Acq: 13 Aug 2019 15:08

Tgt Ion:	278	Resp:	2173
Ion Ratio	Lower	Upper	
278	100		
139	26.2	14.2	21.2#
279	46.4	28.3	42.5#





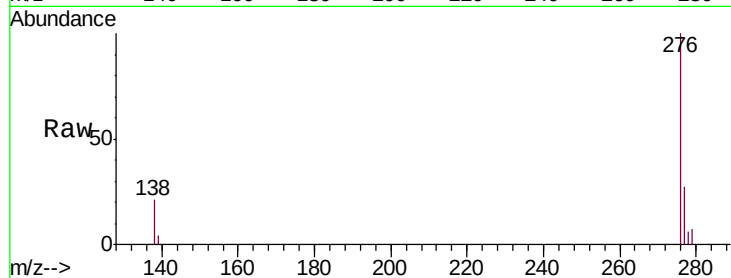
#26
 Benzo(g,h,i)perylene
 Concen: 0.610 ng/ul
 RT: 26.32 min Scan# 7935
 Delta R.T. -0.03 min
 Lab File: BM022070.D
 Acq: 13 Aug 2019 15:08

Instrument :
 BNA_M
 ClientSampleId :
 BENW6DL

Tgt Ion:	276	Resp:	8331
Ion Ratio	Lower	Upper	
276	100		
138	20.6	15.5	23.3
277	26.6	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/15/2019 5:07:19 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

