

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021903.D
 Acq On : 07 Aug 2019 19:29
 Operator : HP/JU
 Sample : K4029-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY2

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:10:35 AM

Quant Time: Aug 08 05:04:30 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	7.63	152	850	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3610	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.28	164	2095	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4938m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	4837m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	4625m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2649	0.44	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	7213m	0.43	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.45	128	597	0.059	ng/ul#	81
5) 2-Methylnaphthalene	12.09	142	340	0.050	ng/ul	98
7) Acenaphthylene	14.00	152	1500	0.154	ng/ul#	76
8) Acenaphthene	14.34	153	332	0.042	ng/ul#	93
9) Fluorene	15.33	166	490	0.055	ng/ul#	96
12) Phenanthrene	17.07	178	9600m	0.668	ng/ul	
13) Anthracene	17.17	178	2350m	0.192	ng/ul	
15) Fluoranthene	19.10	202	25500m	1.325	ng/ul	
17) Pyrene	19.46	202	24786	1.247	ng/ul	99
18) Benzo(a)anthracene	21.22	228	14501	0.838	ng/ul	98
19) Chrysene	21.27	228	16867	0.758	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	21516m	1.380	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	7529m	0.427	ng/ul	
23) Benzo(a)pyrene	23.35	252	14157m	0.893	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	10171m	0.537	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	2977m	0.194	ng/ul	
26) Benzo(a,h,i)perylene	26.35	276	8219m	0.482	ng/ul	

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

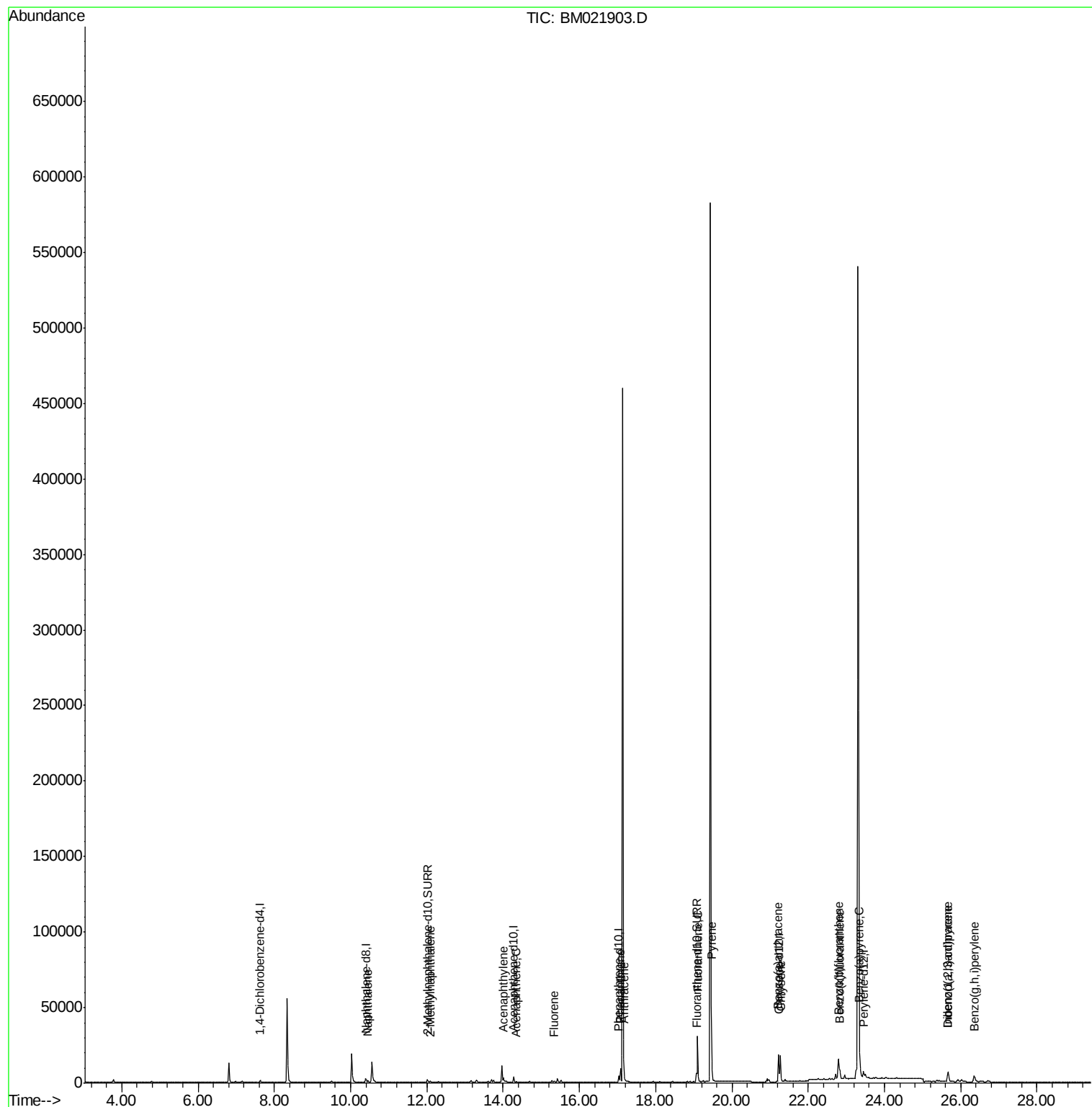
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021903.D
Acq On : 07 Aug 2019 19:29
Operator : HP/JU
Sample : K4029-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

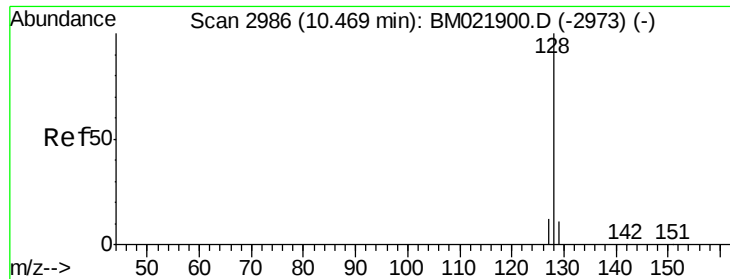
Instrument :
BNA_M
ClientSampleId :
BENY2

Quant Time: Aug 08 05:04:30 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

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM





#3

Naphthalene

Concen: 0.059 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Instrument :

BNA_M

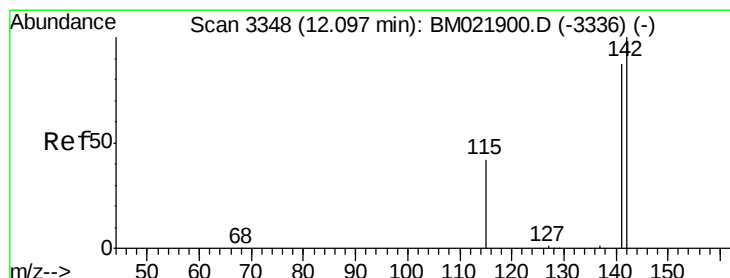
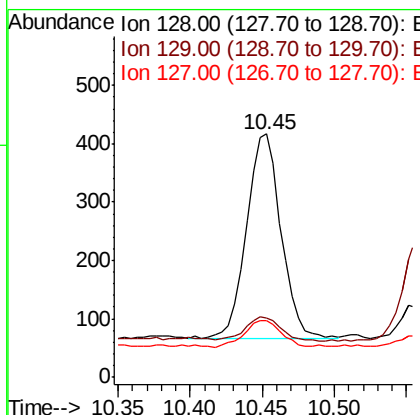
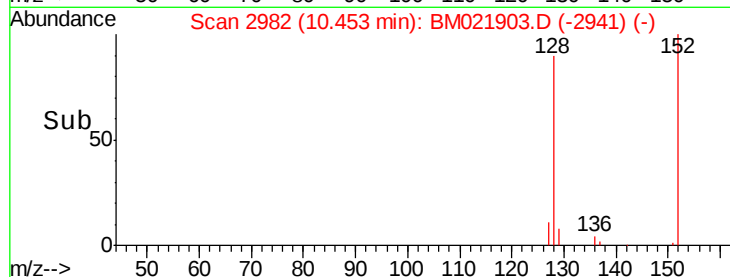
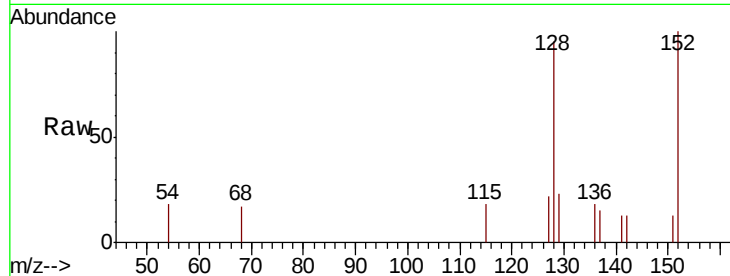
ClientSampled :

BENY2

Tot Ion:128	Resp:	597
Ion Ratio	Lower	Upper
128	100	
129	24.2	12.3 18.5#
127	23.3	13.0 19.6#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM



#5

2-Methylnaphthalene

Concen: 0.050 ng/ul

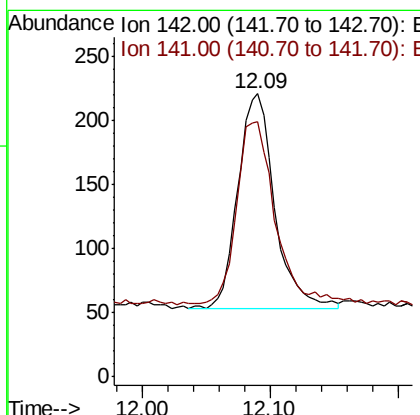
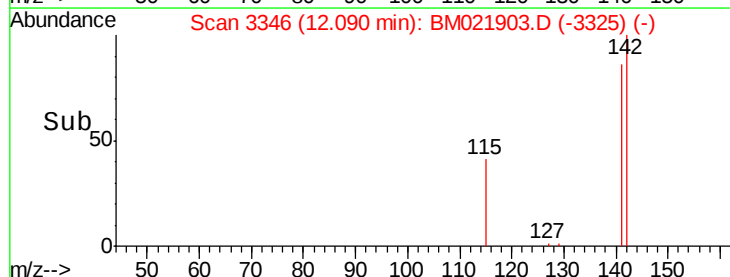
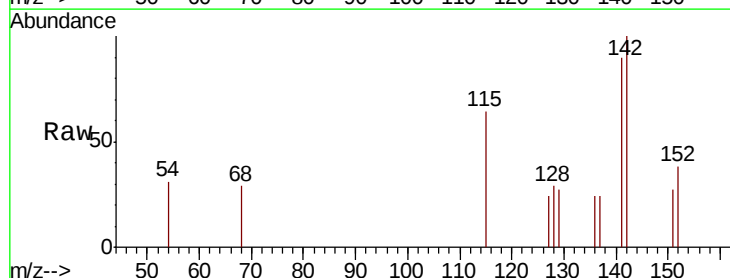
RT: 12.09 min Scan# 3346

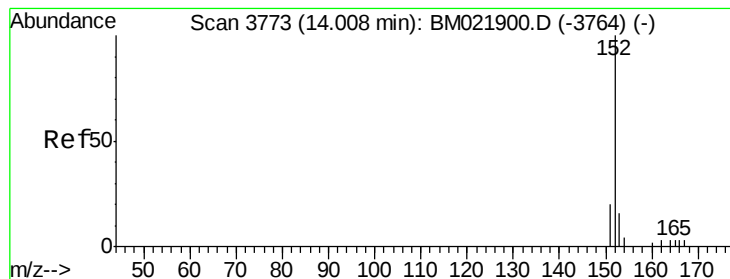
Delta R.T. -0.01 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Tgt Ion:142	Resp:	340
Ion Ratio	Lower	Upper
142	100	
141	90.9	74.3 111.5





#7

Acenaphthylene

Concen: 0.154 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Instrument :

BNA_M

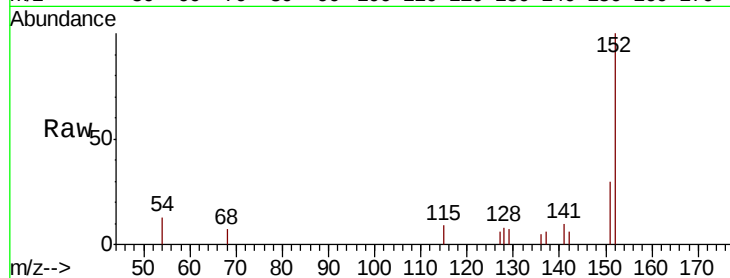
ClientSampled :

BENY2

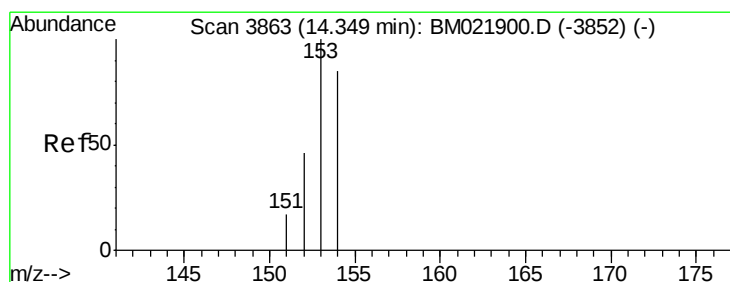
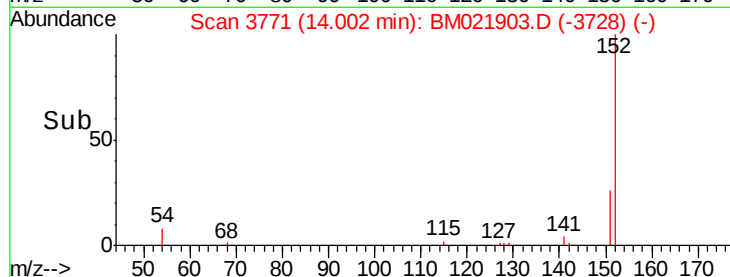
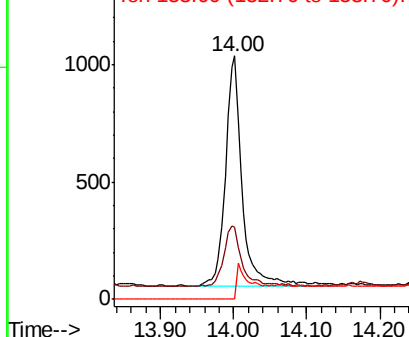
Tot Ion:	152	Resp:	1500
Ion Ratio	Lower	Upper	
152	100		
151	29.7	18.3	27.5#
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 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



#8

Acenaphthene

Concen: 0.042 ng/ul

RT: 14.34 min Scan# 3860

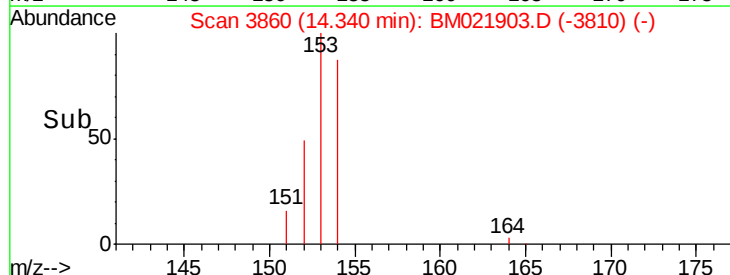
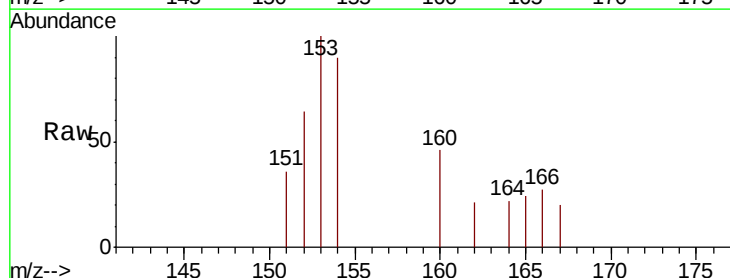
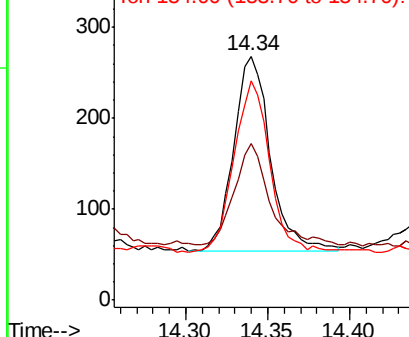
Delta R.T. -0.01 min

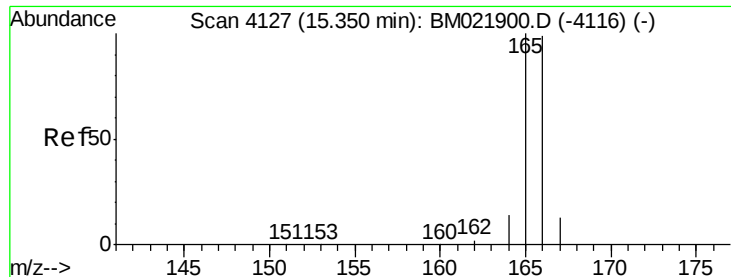
Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Tgt Ion:	153	Resp:	332
Ion Ratio	Lower	Upper	
153	100		
152	64.2	41.3	61.9#
154	89.9	72.3	108.5

Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.055 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.02 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Instrument :

BNA_M

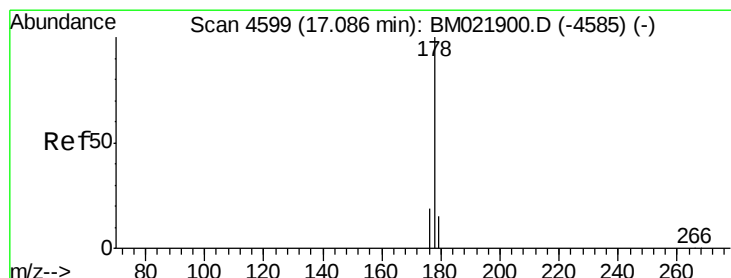
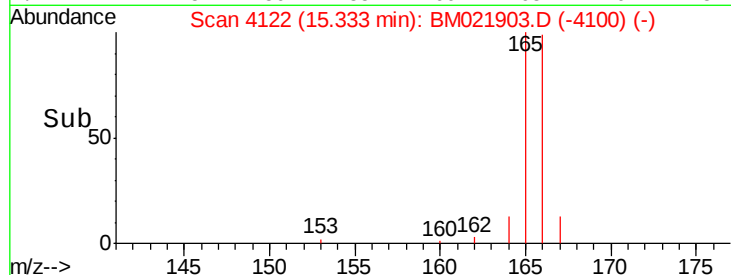
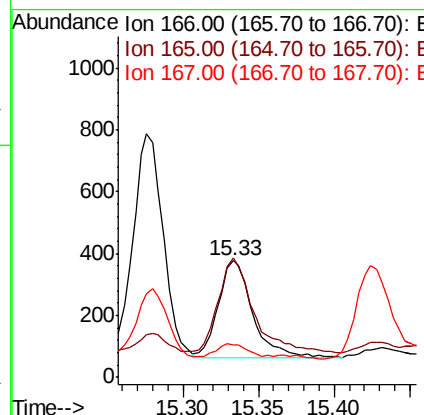
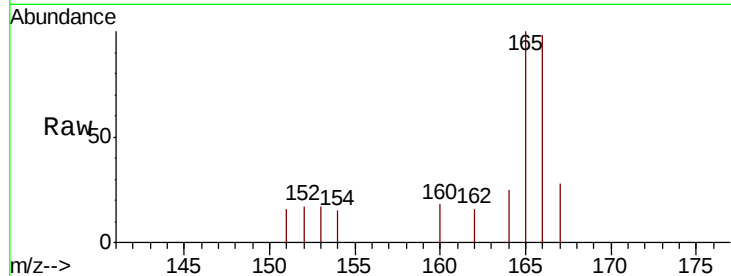
ClientSampled :

BENY2

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.4	122.0
167	28.1	13.7	20.5

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM



#12

Phenanthrene

Concen: 0.668 ng/ul m

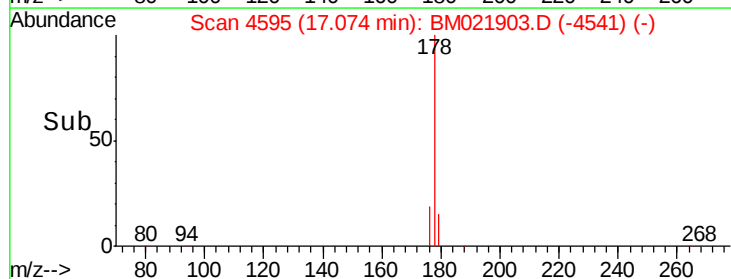
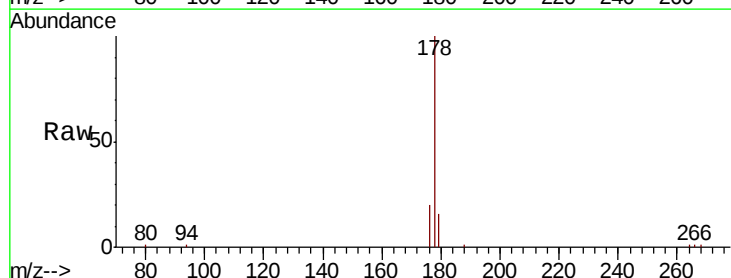
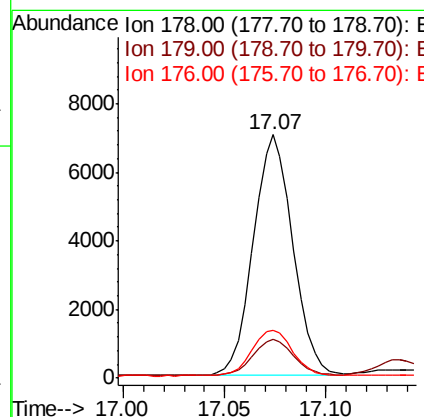
RT: 17.07 min Scan# 4595

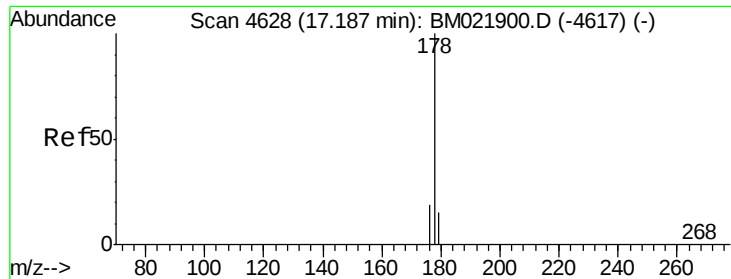
Delta R.T. -0.01 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	14.2	21.2
176	19.9	16.8	25.2





#13

Anthracene

Concen: 0.192 ng/ul m

RT: 17.17 min Scan# 4622

Delta R.T. -0.02 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Instrument :

BNA_M

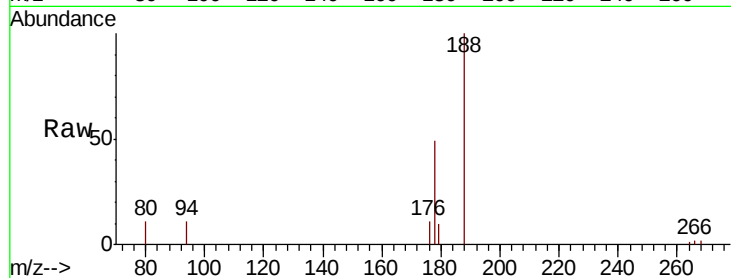
ClientSampleId :

BENY2

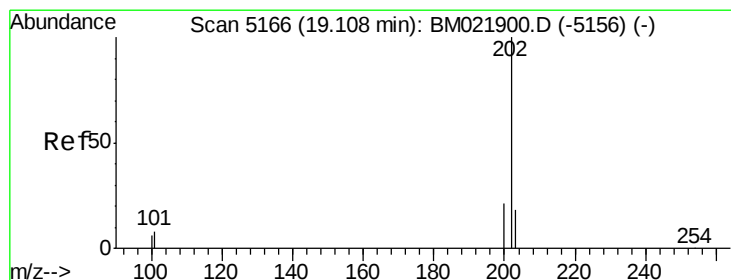
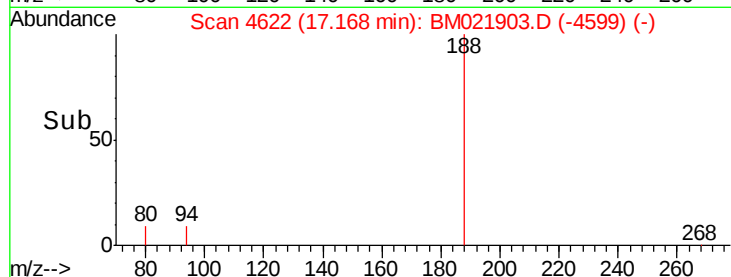
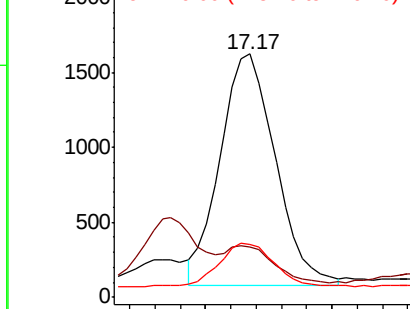
Tot Ion:	178	Resp:	2350
Ion Ratio	Lower	Upper	
178	100		
179	20.7	15.5	23.3
176	21.9	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM



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



#15

Fluoranthene

Concen: 1.325 ng/ul m

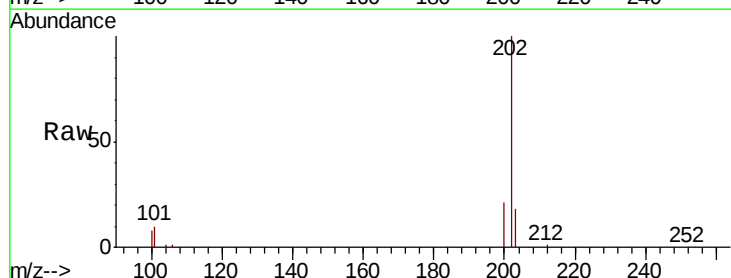
RT: 19.10 min Scan# 5163

Delta R.T. -0.01 min

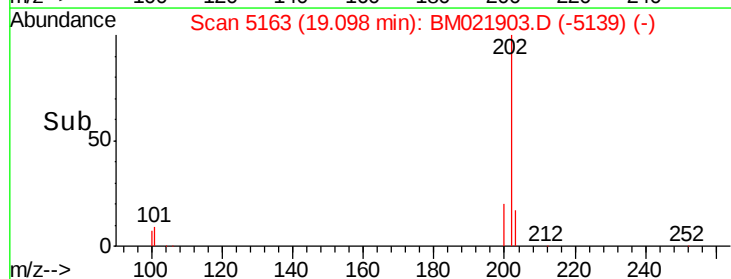
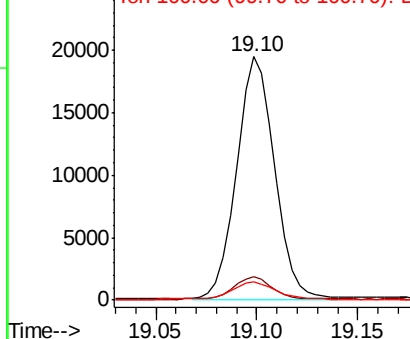
Lab File: BM021903.D

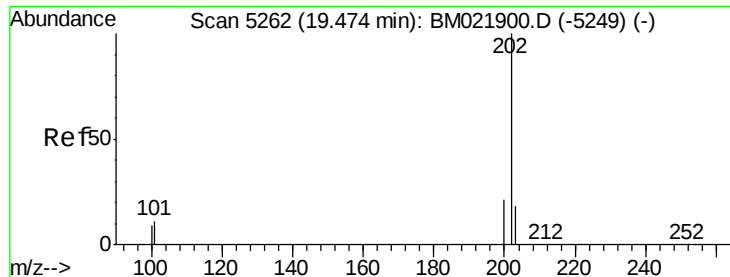
Acq: 07 Aug 2019 19:29

Tgt Ion:	202	Resp:	25500
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	30.2
100	7.6	0.0	28.1



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





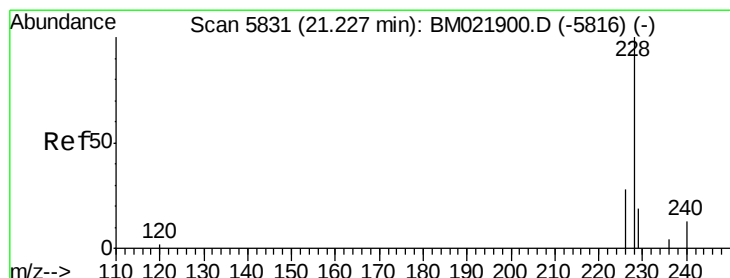
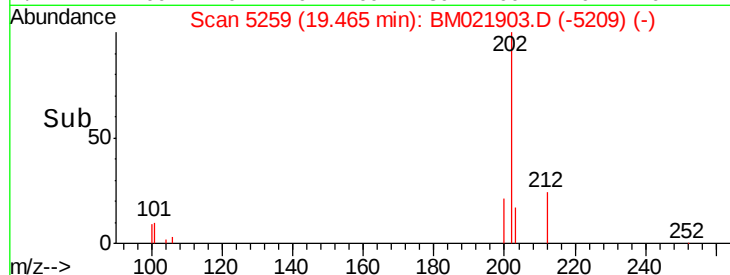
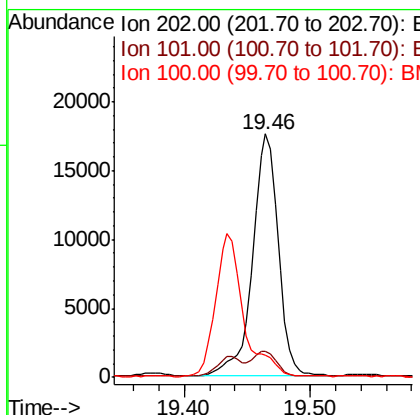
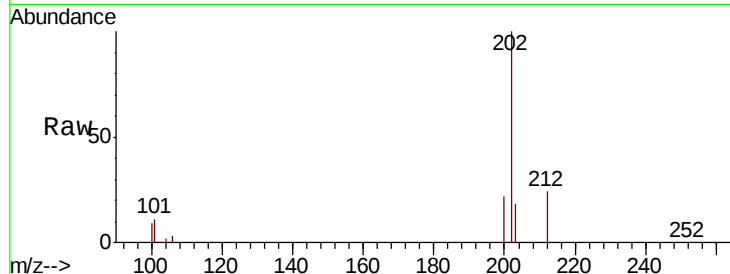
#17
Pvrene
Concen: 1.247 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021903.D
Acq: 07 Aug 2019 19:29

Instrument :
BNA_M
ClientSampleId :
BENY2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	8.3	12.5
100	9.4	7.2	10.8

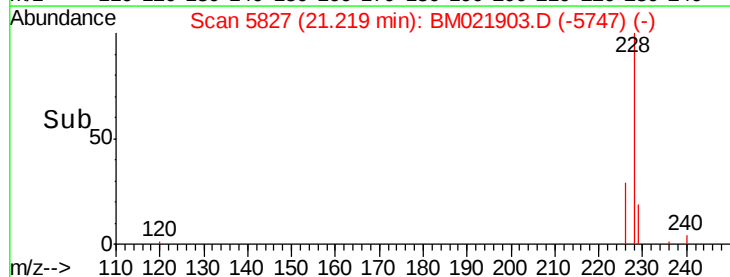
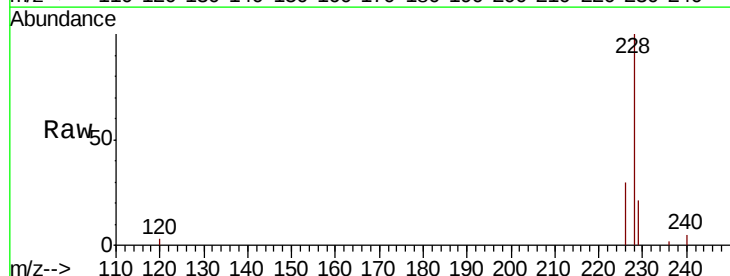
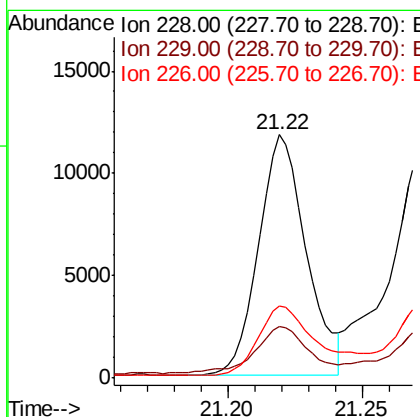
Manual Integrations
APPROVED

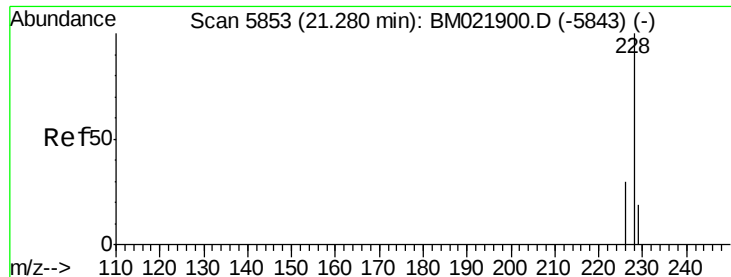
mohammad
8/9/2019 6:10:35 AM



#18
Benzo(a)anthracene
Concen: 0.838 ng/ul
RT: 21.22 min Scan# 5827
Delta R.T. -0.01 min
Lab File: BM021903.D
Acq: 07 Aug 2019 19:29

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.1	17.2	25.8
226	29.7	22.6	34.0





#19

Chrysene

Concen: 0.758 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.01 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Instrument :

BNA_M

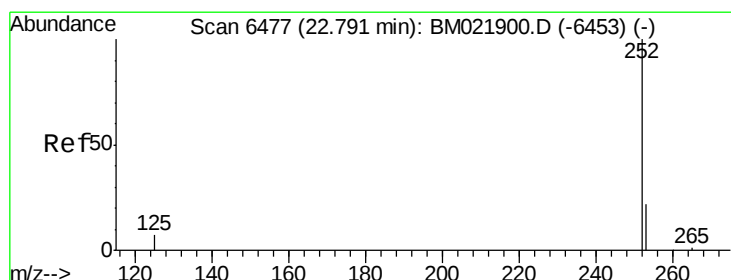
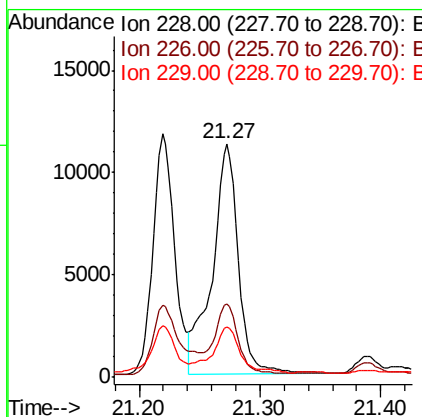
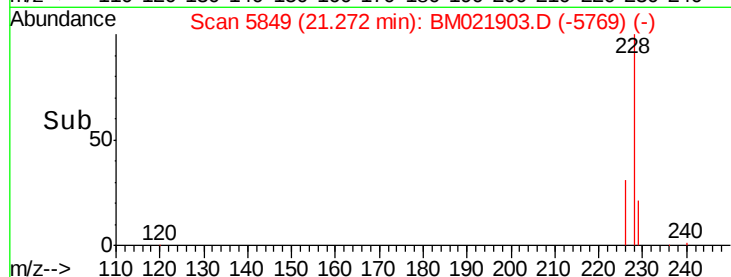
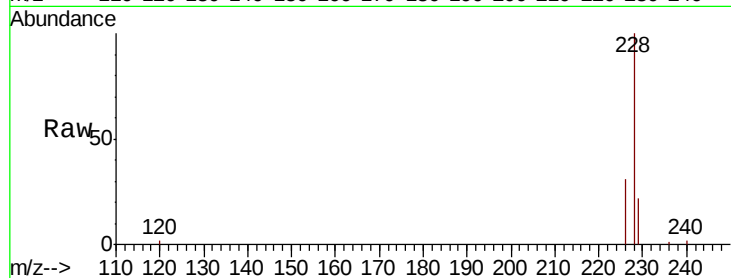
ClientSampleId :

BENY2

Tot Ion:	228	Resp:	16867
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.9	37.3
229	21.8	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM



#21

Benzo(b)fluoranthene

Concen: 1.380 ng/ul m

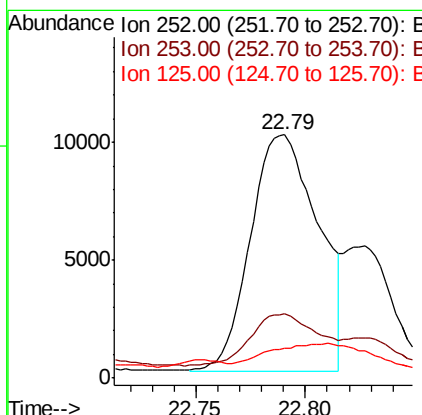
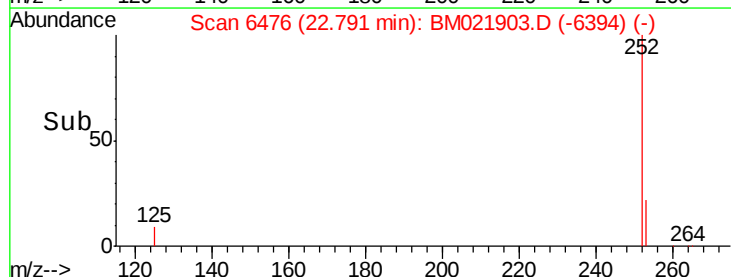
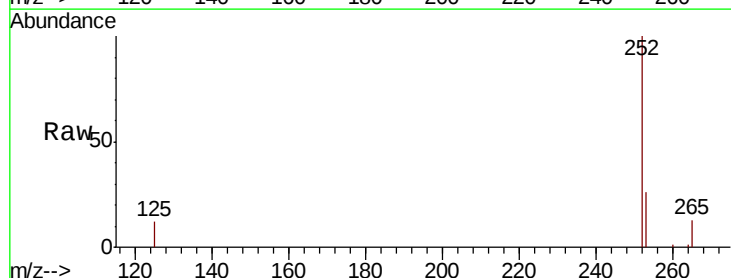
RT: 22.79 min Scan# 6476

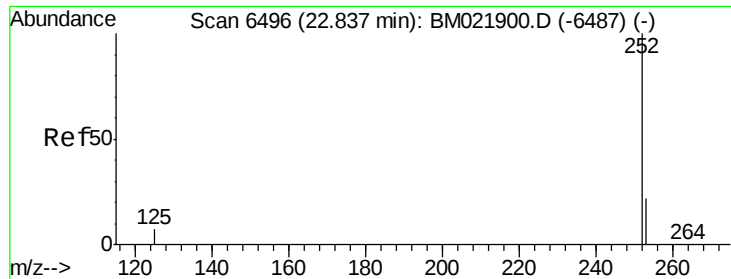
Delta R.T. -0.00 min

Lab File: BM021903.D

Acq: 07 Aug 2019 19:29

Tgt Ion:	252	Resp:	21516
Ion Ratio	Lower	Upper	
252	100		
253	26.3	0.0	67.4
125	12.3	0.0	31.0





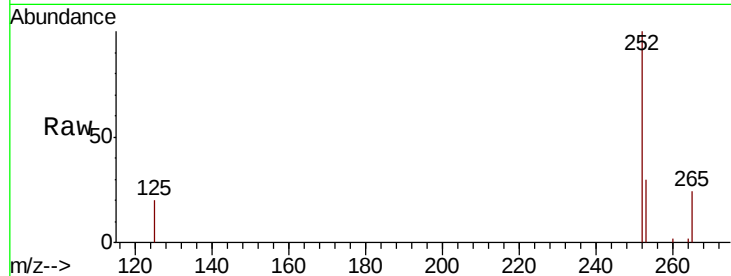
#22
Benzo(k)fluoranthene
Concen: 0.427 ng/ul m
RT: 22.83 min Scan# 6491
Delta R.T. -0.01 min
Lab File: BM021903.D
Acq: 07 Aug 2019 19:29

Instrument :
BNA_M
ClientSampleId :
BENY2

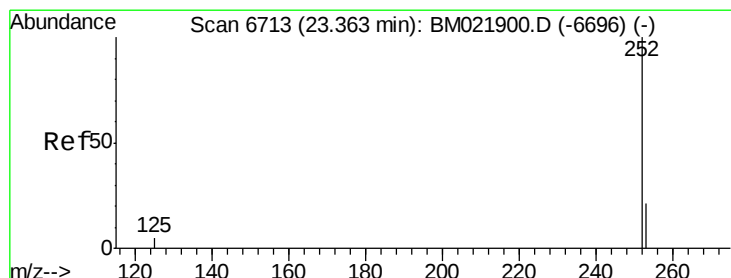
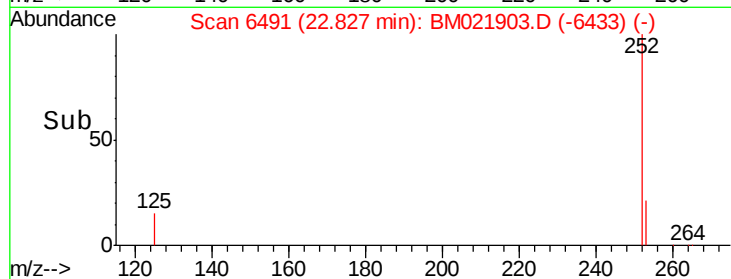
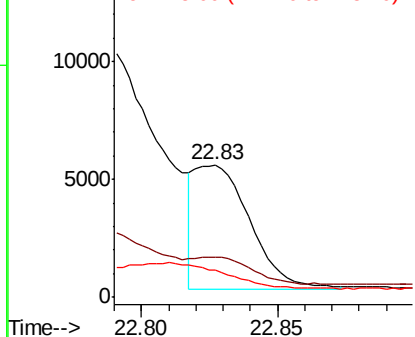
Tot Ion	Ratio	Lower	Upper
252	100		
253	30.0	27.0	40.4
125	20.2	12.2	18.2#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM



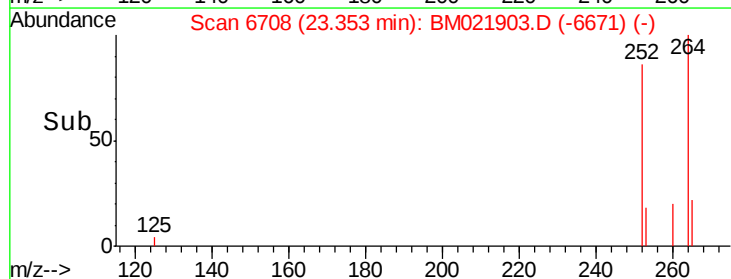
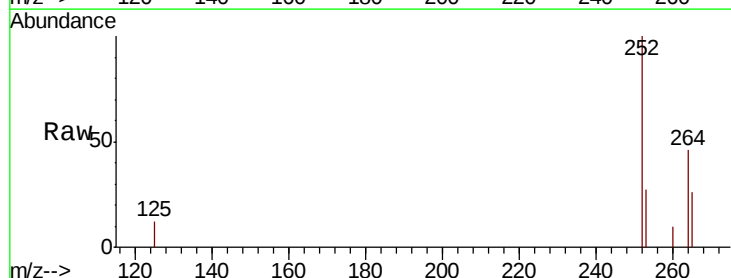
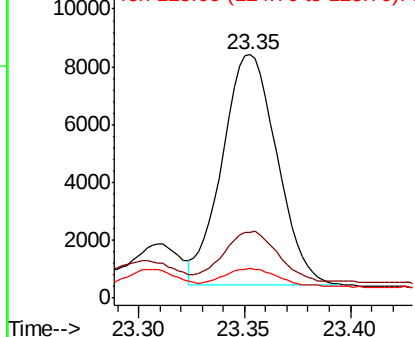
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

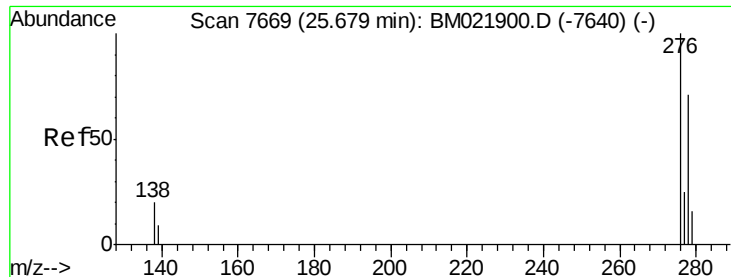


#23
Benzo(a)pyrene
Concen: 0.893 ng/ul m
RT: 23.35 min Scan# 6708
Delta R.T. -0.01 min
Lab File: BM021903.D
Acq: 07 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	31.7	47.5#
125	12.5	14.6	21.8#

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





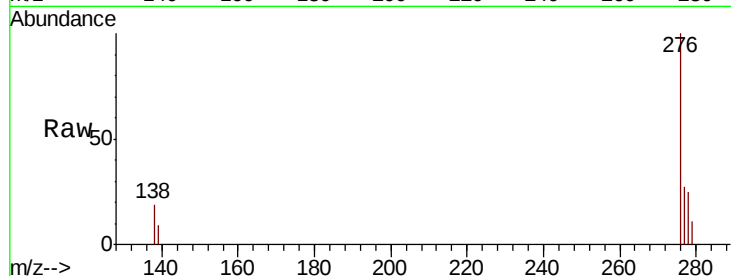
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.537 ng/ul m
 RT: 25.66 min Scan# 7662
 Delta R.T. -0.01 min
 Lab File: BM021903.D
 Acq: 07 Aug 2019 19:29

Instrument :
 BNA_M
 ClientSampleId :
 BENY2

Tot Ion	Ratio	Lower	Upper
276	100		
138	1.1	15.1	22.7#
227	0.0	0.0	0.0

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:10:35 AM

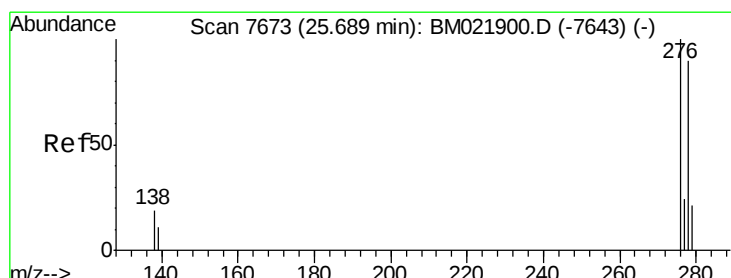
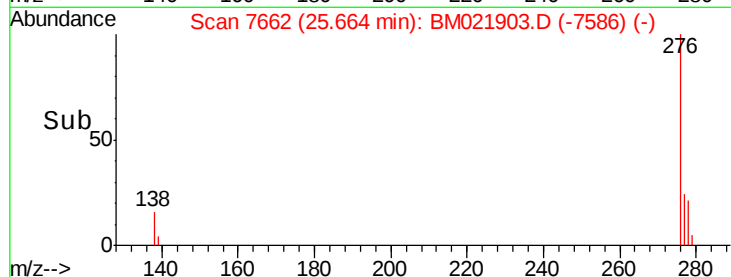
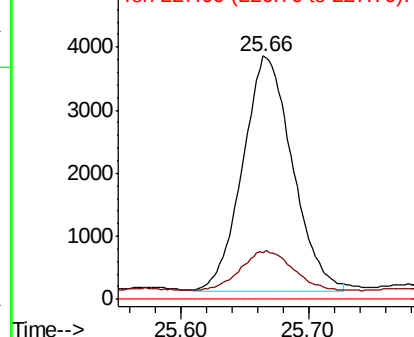


Abundance

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: 0.194 ng/ul m
 RT: 25.66 min Scan# 7662
 Delta R.T. -0.02 min
 Lab File: BM021903.D
 Acq: 07 Aug 2019 19:29

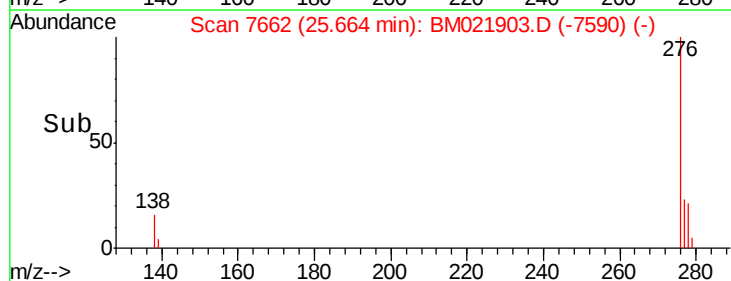
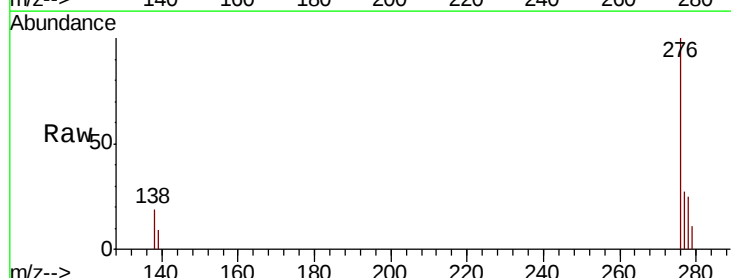
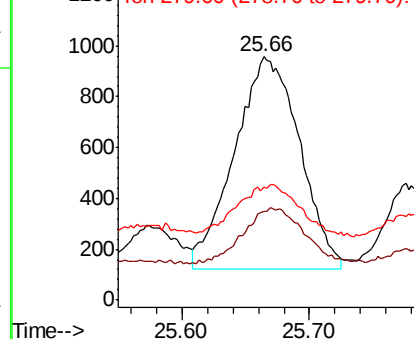
Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.3	14.2	21.2#
279	46.2	28.3	42.5#

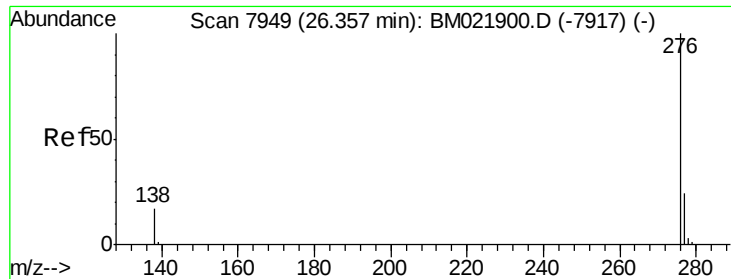
Abundance

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: 0.482 ng/ul m
RT: 26.35 min Scan# 7944
Delta R.T. -0.01 min
Lab File: BM021903.D
Acq: 07 Aug 2019 19:29

Instrument :
BNA_M
ClientSampleId :
BENY2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	15.5	23.3
277	27.0	21.4	32.2

Manual Integrations
APPROVED

mohammad
8/9/2019 6:10:35 AM

