

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021954.D
 Acq On : 09 Aug 2019 05:03
 Operator : HP/JU
 Sample : K4028-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENZ1

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:29:56 AM

Quant Time: Aug 09 09:31:42 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 : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	919	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	3792	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2039	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	4609m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4641m	0.40	ng/ul	-0.02
20) Perylene-d12	23.44	264	4883m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1136	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	3125m	0.20	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1768	0.165	ng/ul	99
5) 2-Methylnaphthalene	12.08	142	823	0.115	ng/ul	98
7) Acenaphthylene	13.99	152	5966	0.627	ng/ul#	83
8) Acenaphthene	14.33	153	2882	0.370	ng/ul	99
9) Fluorene	15.33	166	3556	0.411	ng/ul	99
12) Phenanthrene	17.07	178	93414m	6.966	ng/ul	
13) Anthracene	17.16	178	16491m	1.442	ng/ul	
15) Fluoranthene	19.09	202	307371m	17.110	ng/ul	
17) Pyrene	19.46	202	268870	14.098	ng/ul	99
18) Benzo(a)anthracene	21.21	228	139042m	8.376	ng/ul	
19) Chrysene	21.26	228	172473	8.079	ng/ul	100
21) Benzo(b)fluoranthene	22.78	252	257348m	15.629	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	83912m	4.503	ng/ul	
23) Benzo(a)pyrene	23.34	252	162074m	9.679	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.65	276	132677m	6.636	ng/ul	
25) Dibenzo(a,h)anthracene	25.65	278	30962m	1.916	ng/ul	
26) Benzo(a,h,i)perylene	26.33	276	136834m	7.602	ng/ul	

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

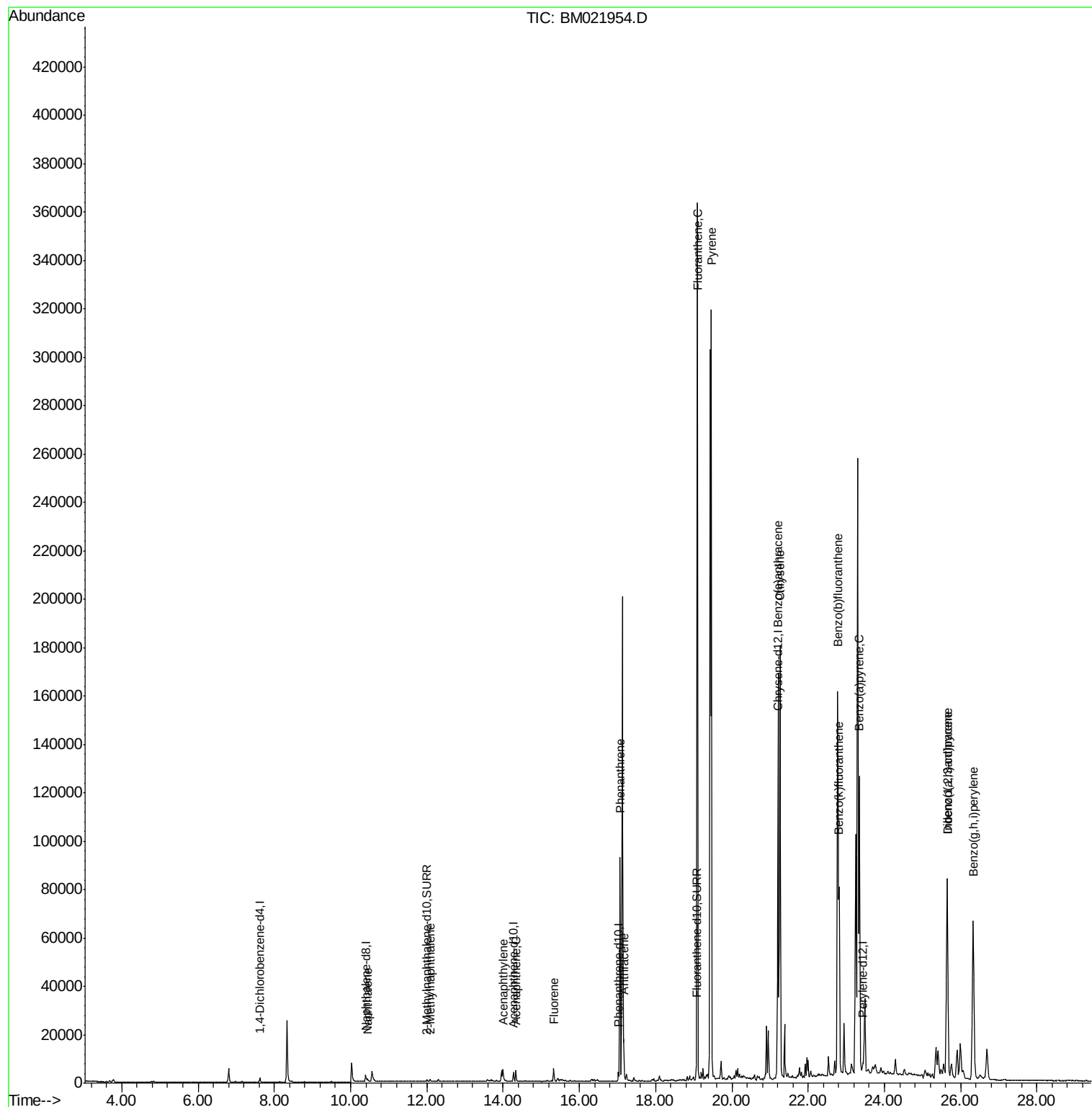
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021954.D
Acq On : 09 Aug 2019 05:03
Operator : HP/JU
Sample : K4028-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

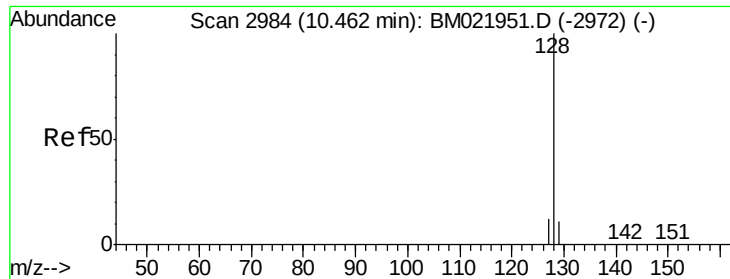
Instrument :
BNA_M
ClientSampleId :
BENZ1

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM

Quant Time: Aug 09 09:31:42 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 : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.165 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

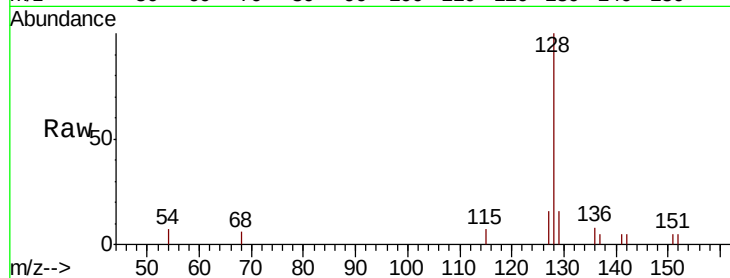
ClientSampled :

BENZ1

Tot Ion:	128	Resp:	1768
Ion	Ratio	Lower	Upper
128	100		
129	15.7	12.3	18.5
127	16.0	13.0	19.6

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM

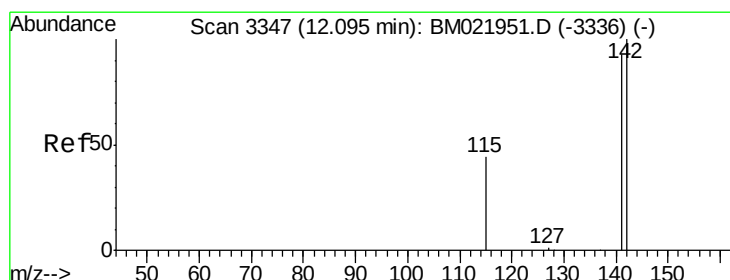
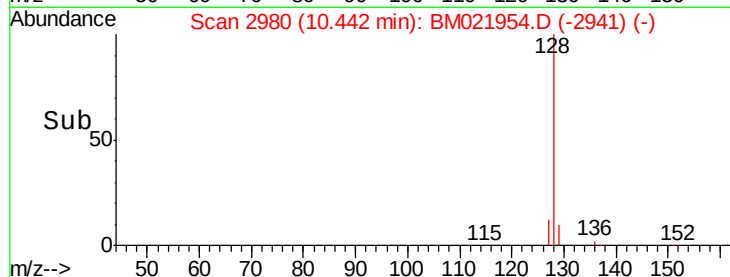
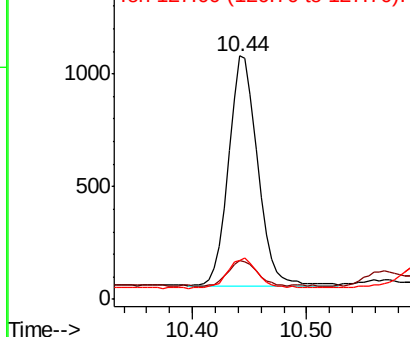


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.115 ng/ul

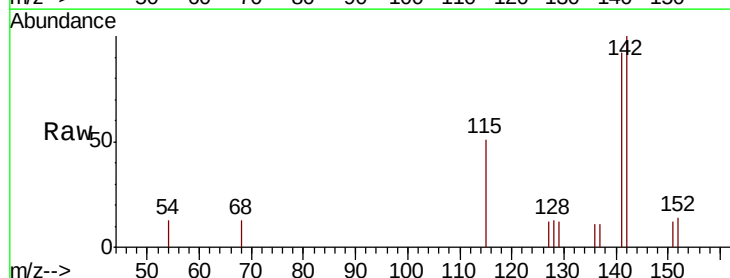
RT: 12.08 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

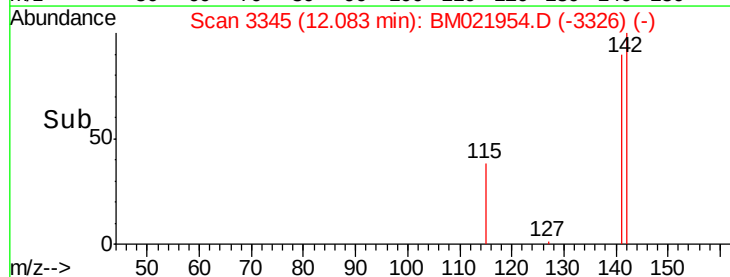
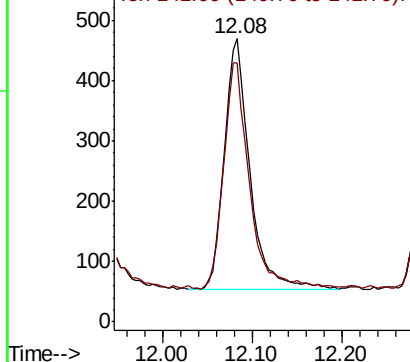
Tgt Ion:	142	Resp:	823
Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.3	111.5

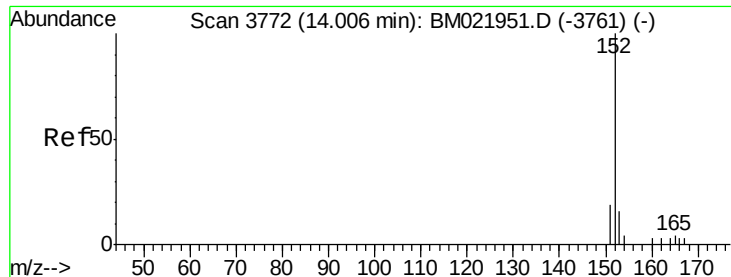


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.627 ng/ul

RT: 13.99 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

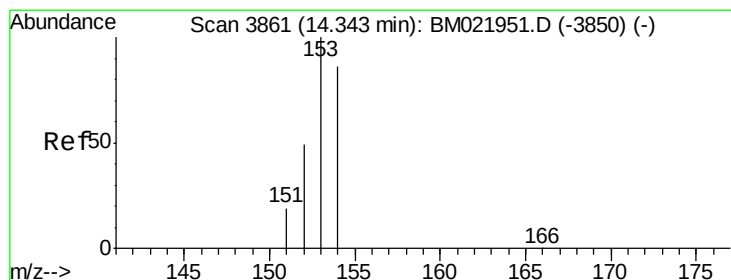
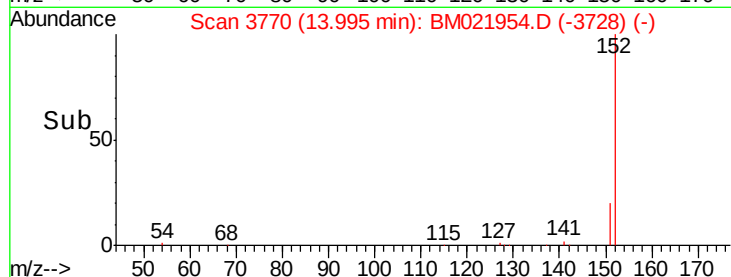
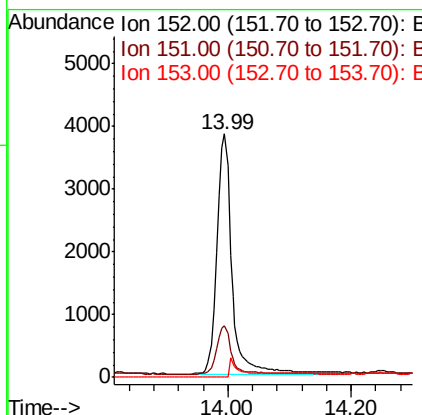
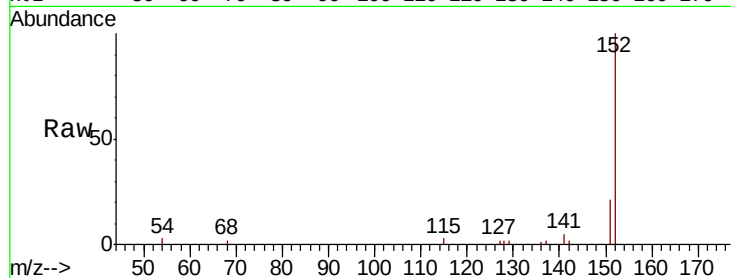
ClientSampled :

BENZ1

Tot Ion:	152	Resp:	5966
Ion Ratio	Lower	Upper	
152	100		
151	21.5	18.3	27.5
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM



#8

Acenaphthene

Concen: 0.370 ng/ul

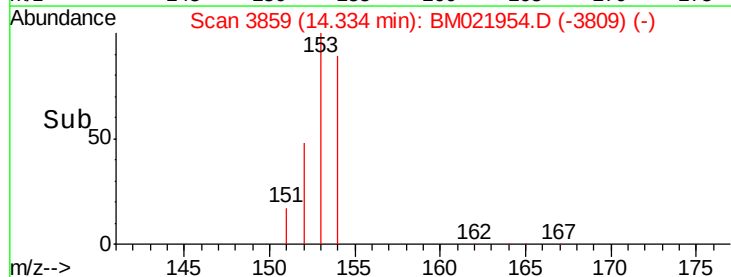
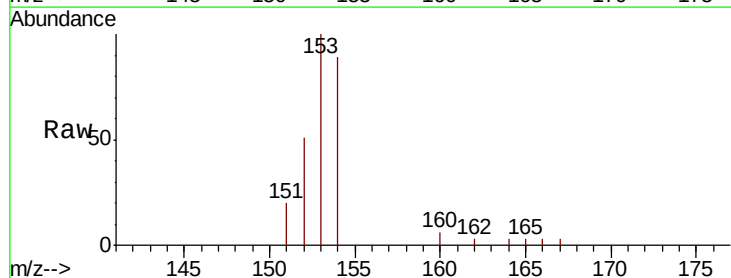
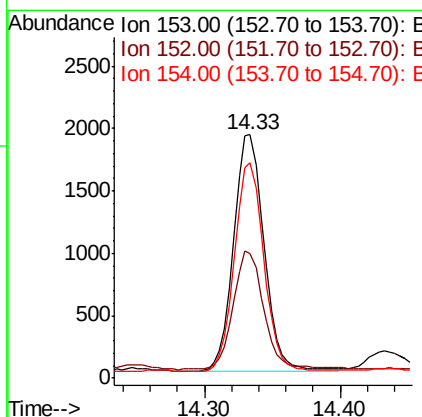
RT: 14.33 min Scan# 3859

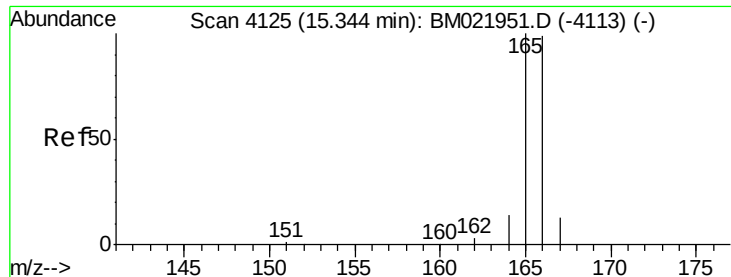
Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Tgt Ion:	153	Resp:	2882
Ion Ratio	Lower	Upper	
153	100		
152	51.3	41.3	61.9
154	88.7	72.3	108.5





#9

Fluorene

Concen: 0.411 ng/ul

RT: 15.33 min Scan# 4121

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

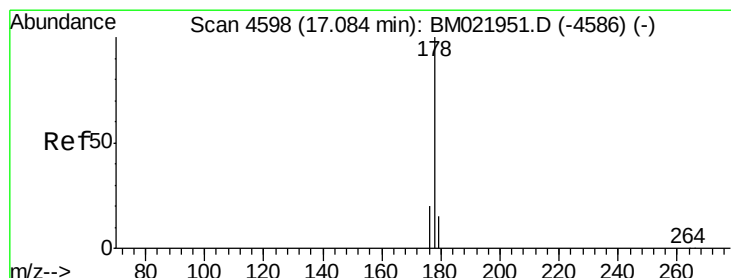
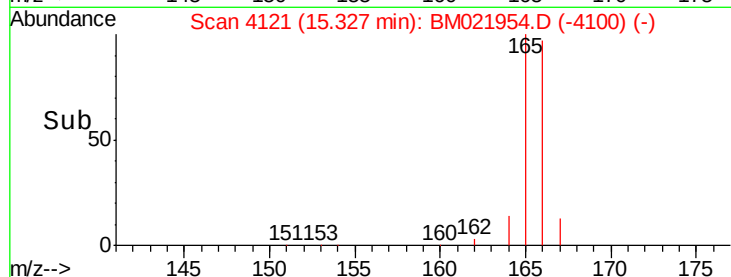
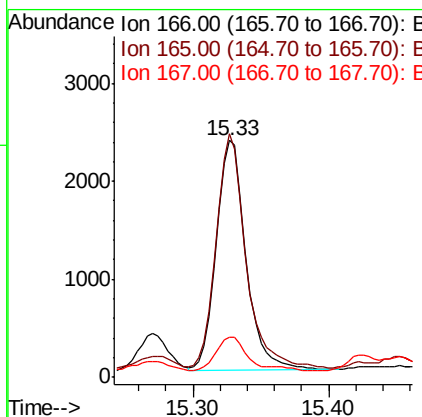
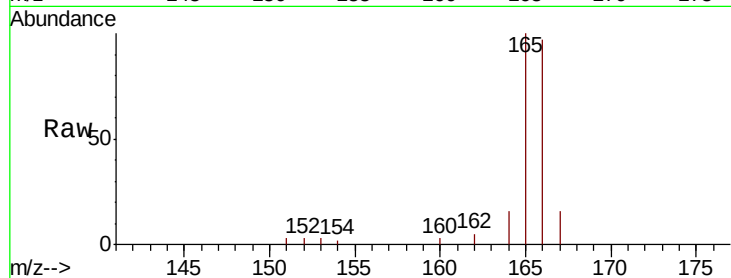
ClientSampleId :

BENZ1

Tot Ion:	166	Resp:	3556
Ion Ratio	Lower	Upper	
166	100		
165	102.9	81.4	122.0
167	16.7	13.7	20.5

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM



#12

Phenanthrene

Concen: 6.966 ng/ul m

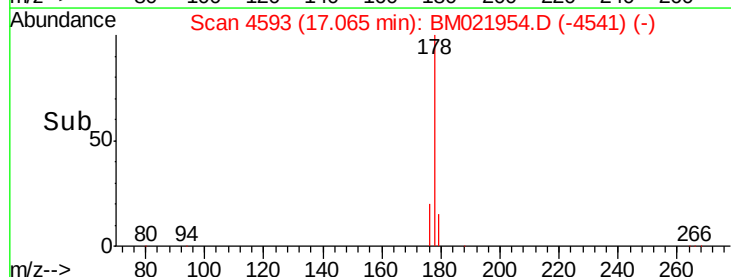
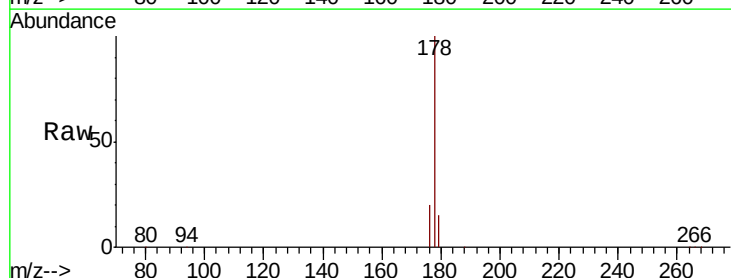
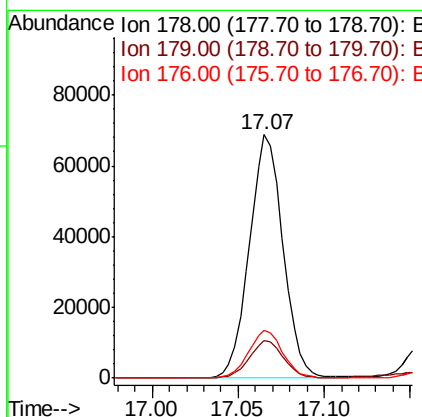
RT: 17.07 min Scan# 4593

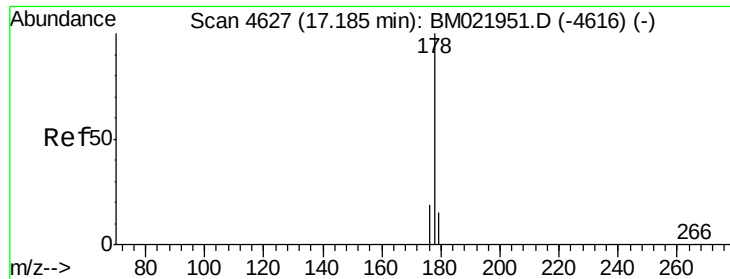
Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Tgt Ion:	178	Resp:	93414
Ion Ratio	Lower	Upper	
178	100		
179	15.3	14.2	21.2
176	19.6	16.8	25.2





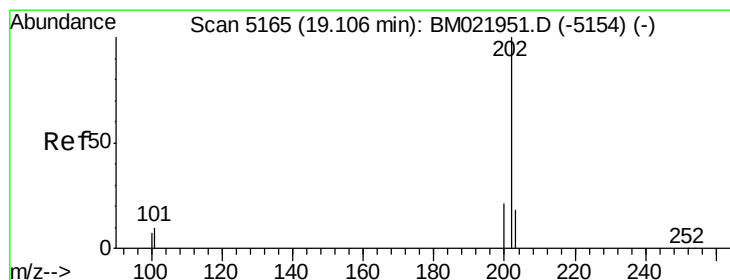
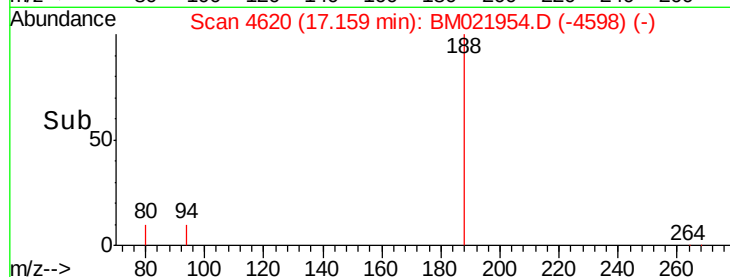
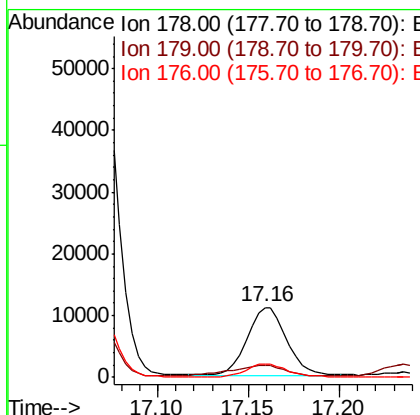
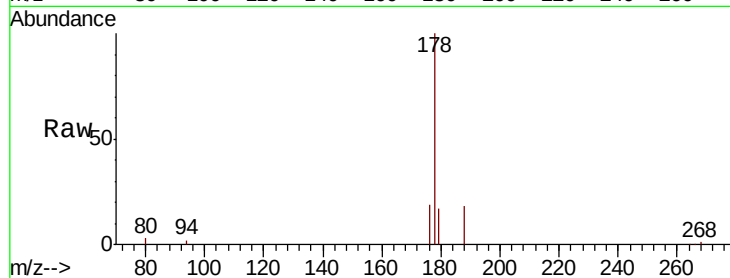
#13
 Anthracene
 Concen: 1.442 ng/ul m
 RT: 17.16 min Scan# 4620
 Delta R.T. -0.02 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Instrument :
 BNA_M
 ClientSampleId :
 BENZ1

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.1	15.5	23.3
176	19.4	16.6	25.0

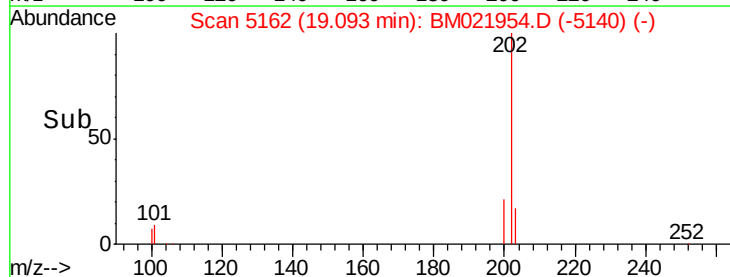
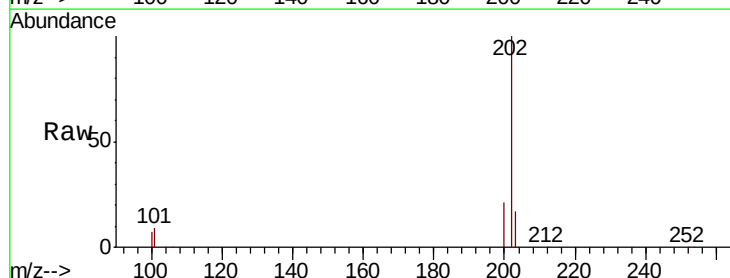
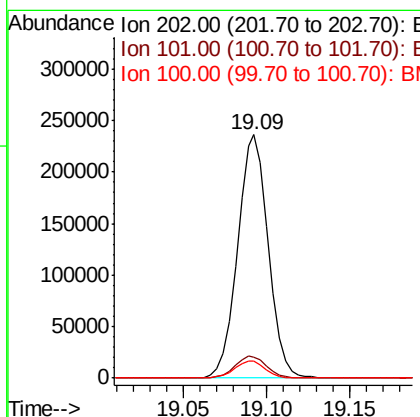
Manual Integrations
 APPROVED

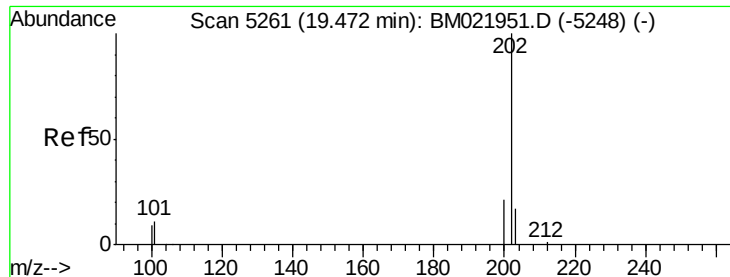
Sohil
 8/13/2019 8:29:56 AM



#15
 Fluoranthene
 Concen: 17.110 ng/ul m
 RT: 19.09 min Scan# 5162
 Delta R.T. -0.02 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	30.2
100	6.8	0.0	28.1





#17

Pvrene

Concen: 14.098 ng/ul

RT: 19.46 min Scan# 5258

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

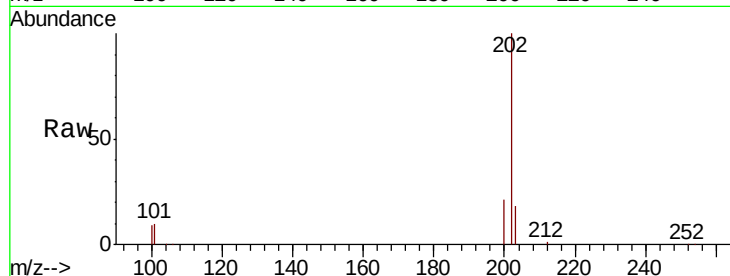
ClientSampled :

BENZ1

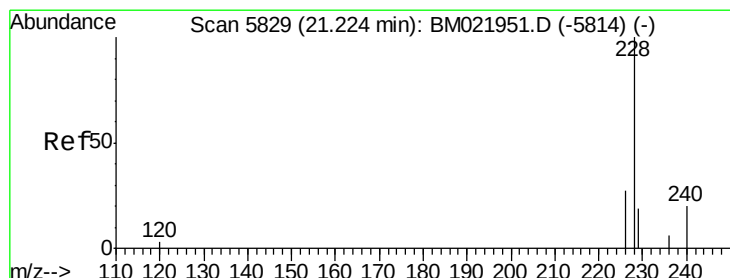
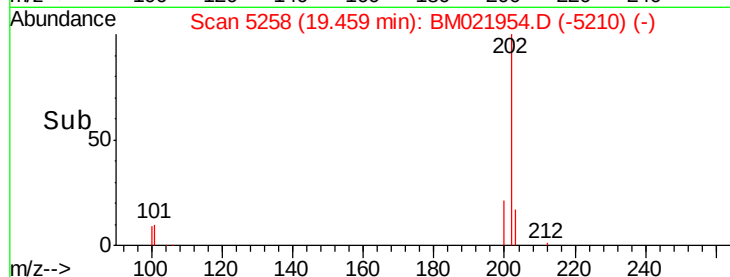
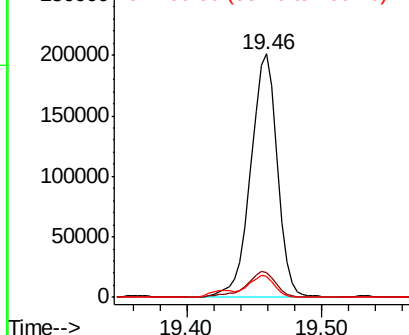
Tot Ion:	202	Resp:	268870
Ion Ratio	Lower	Upper	
202	100		
101	10.3	8.3	12.5
100	8.6	7.2	10.8

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 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: 8.376 ng/ul m

RT: 21.21 min Scan# 5824

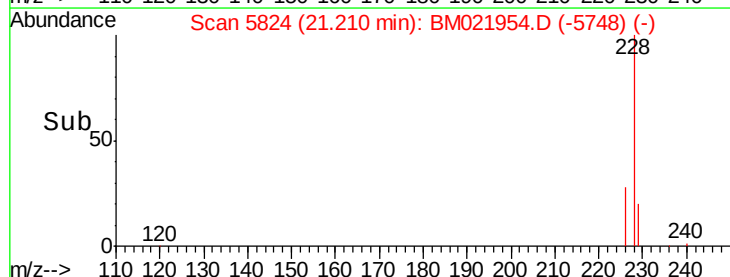
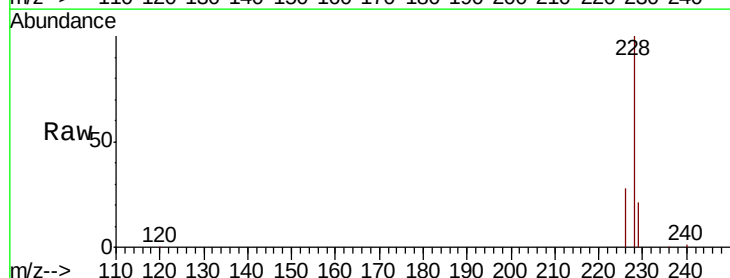
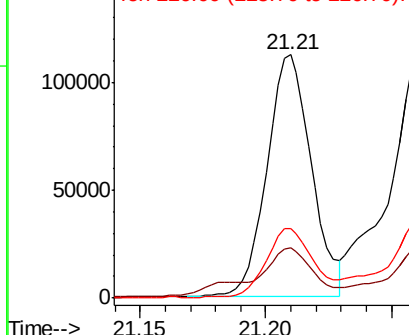
Delta R.T. -0.02 min

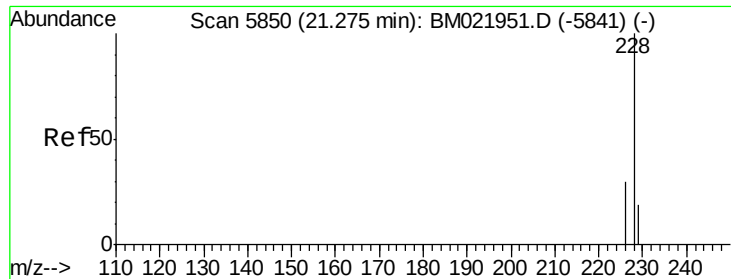
Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Tgt Ion:	228	Resp:	139042
Ion Ratio	Lower	Upper	
228	100		
229	20.5	17.2	25.8
226	28.5	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: 8.079 ng/ul

RT: 21.26 min Scan# 5845

Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Instrument :

BNA_M

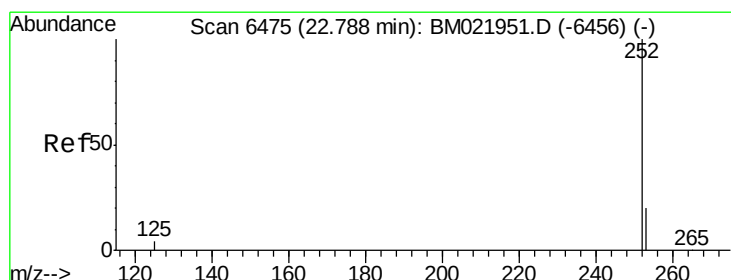
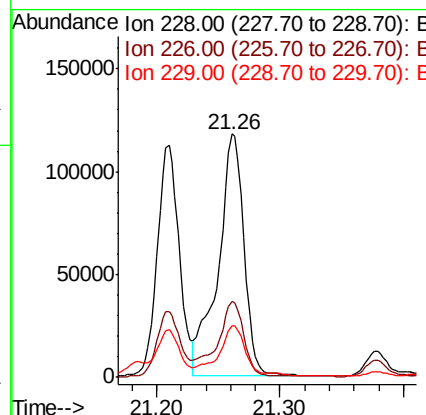
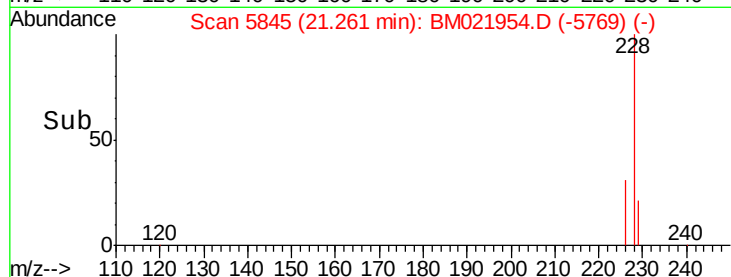
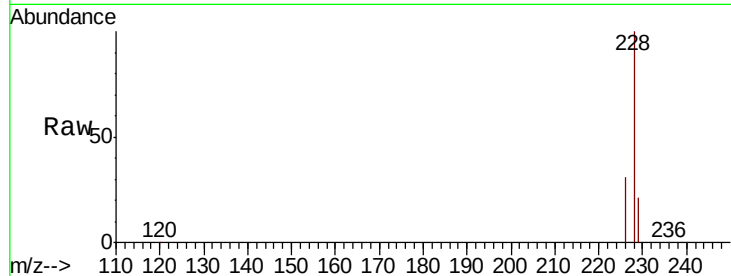
ClientSampleId :

BENZ1

Tot Ion:	228	Resp:	172473
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	21.1	16.6	25.0

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM



#21

Benzo(b)fluoranthene

Concen: 15.629 ng/ul m

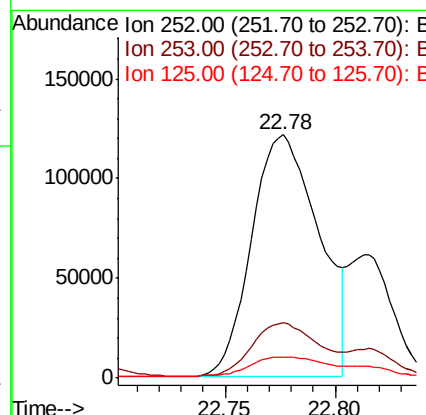
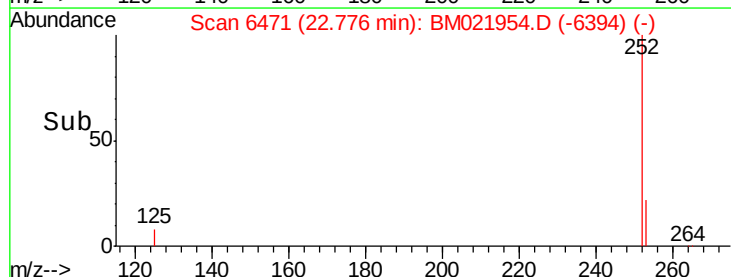
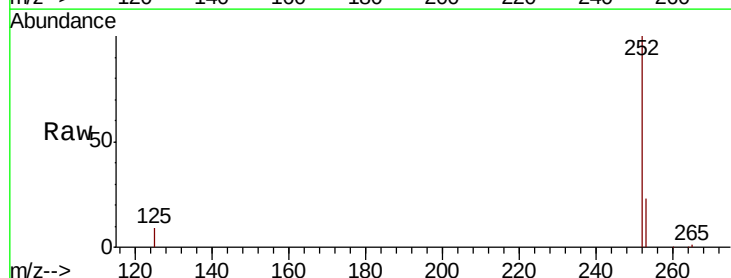
RT: 22.78 min Scan# 6471

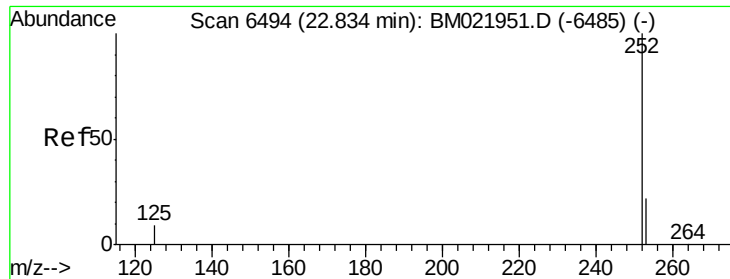
Delta R.T. -0.01 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Tgt Ion:	252	Resp:	257348
Ion Ratio	Lower	Upper	
252	100		
253	22.5	0.0	67.4
125	8.8	0.0	31.0





#22

Benzo(k)fluoranthene

Concen: 4.503 ng/ul m

RT: 22.81 min Scan# 6486

Delta R.T. -0.02 min

Lab File: BM021954.D

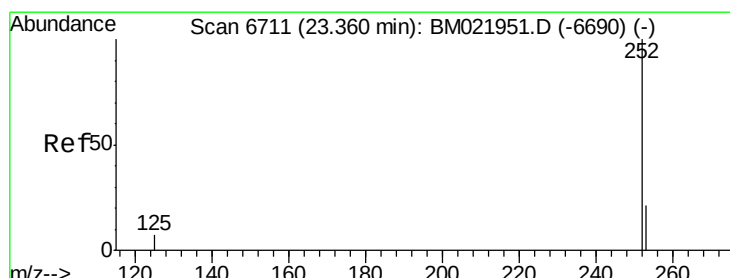
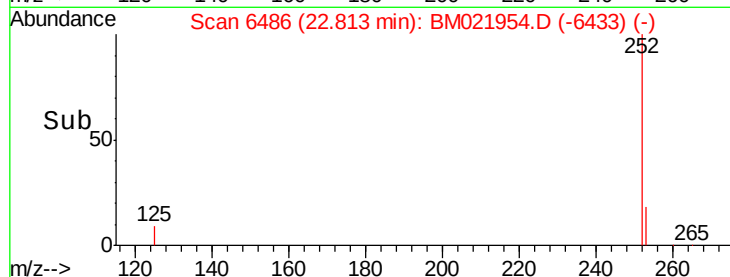
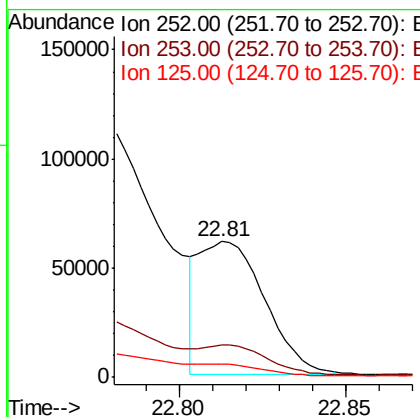
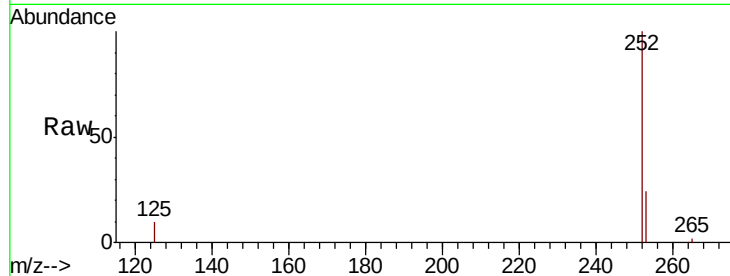
Acq: 09 Aug 2019 05:03

Instrument :
BNA_M
ClientSampled :
BENZ1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	27.0	40.4#
125	9.6	12.2	18.2#

Manual Integrations
APPROVED

Sohil
8/13/2019 8:29:56 AM



#23

Benzo(a)pyrene

Concen: 9.679 ng/ul m

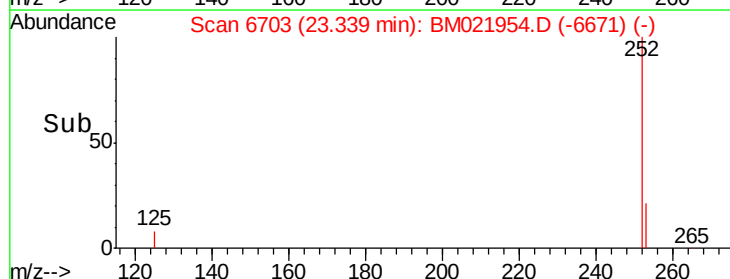
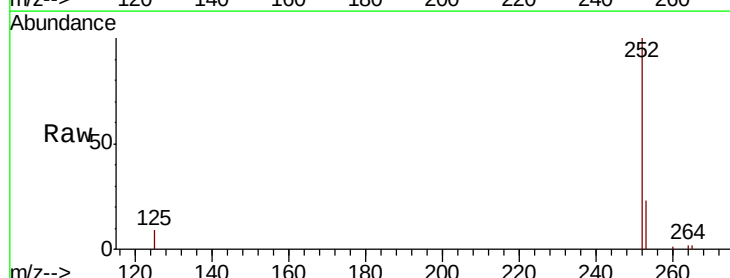
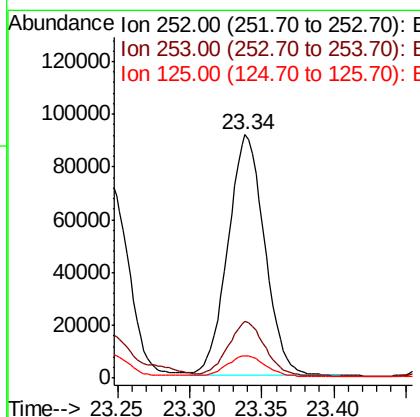
RT: 23.34 min Scan# 6703

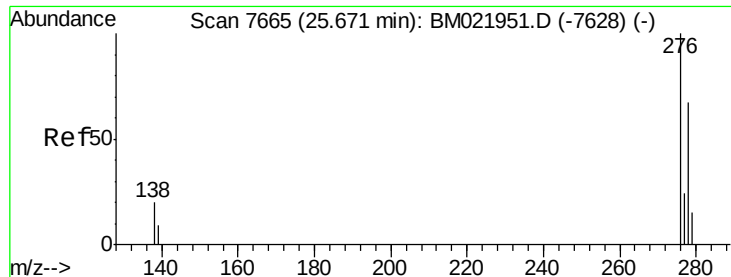
Delta R.T. -0.02 min

Lab File: BM021954.D

Acq: 09 Aug 2019 05:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	31.7	47.5#
125	9.3	14.6	21.8#





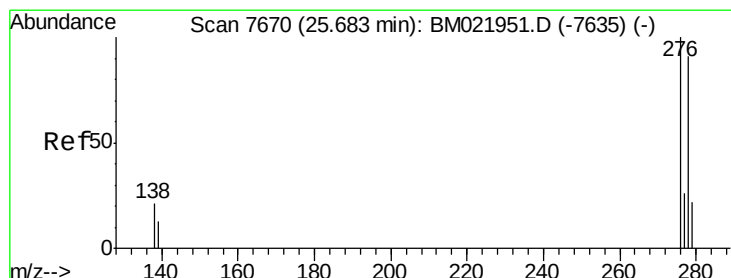
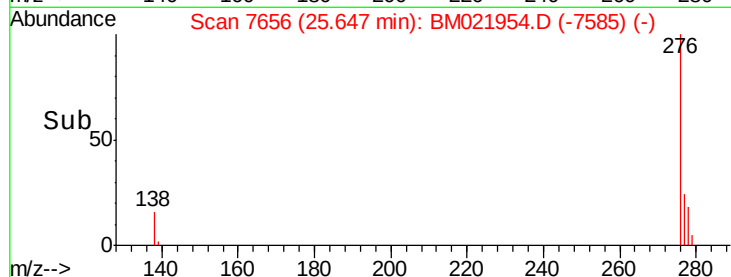
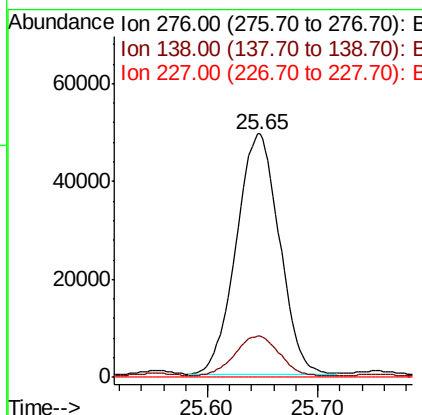
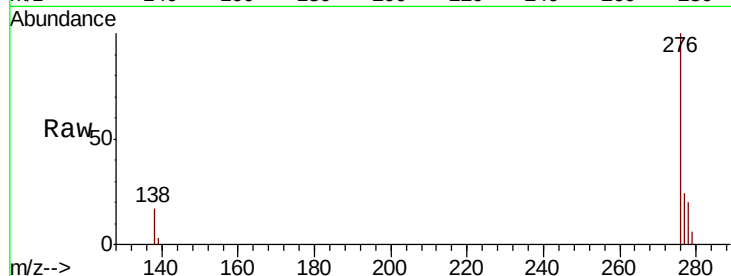
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 6.636 ng/ul m
 RT: 25.65 min Scan# 7656
 Delta R.T. -0.03 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Instrument :
 BNA_M
 ClientSampleId :
 BENZ1

Tot Ion	Ratio	Resp	Lower	Upper
276	100	132677		
138	1.5	15.1	22.7#	
227	0.0	0.0	0.0	

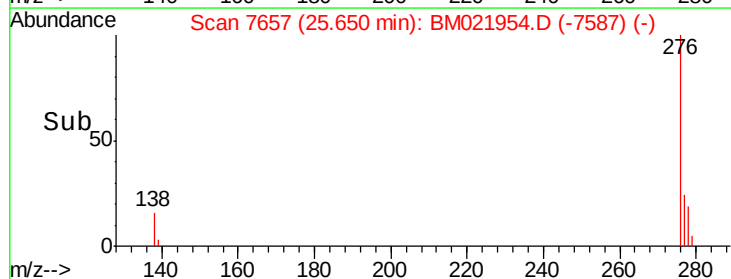
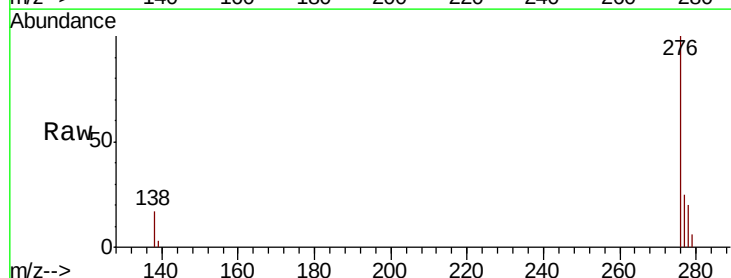
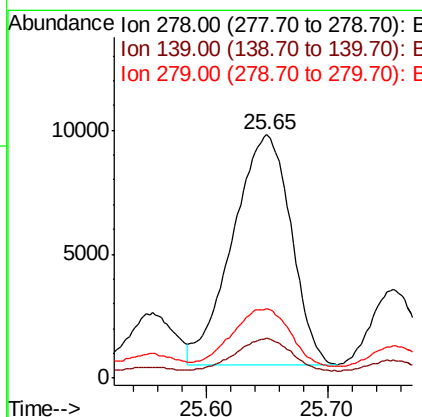
Manual Integrations
 APPROVED

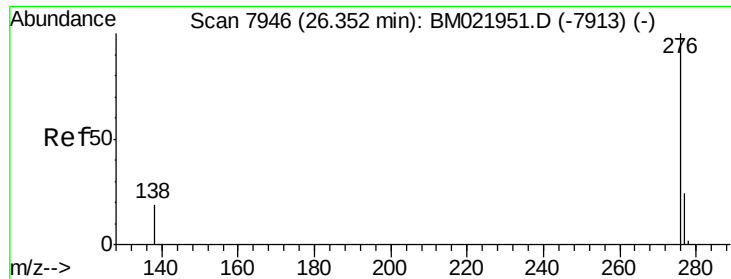
Sohil
 8/13/2019 8:29:56 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.916 ng/ul m
 RT: 25.65 min Scan# 7657
 Delta R.T. -0.03 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	30962		
139	16.6	14.2	21.2	
279	28.5	28.3	42.5	





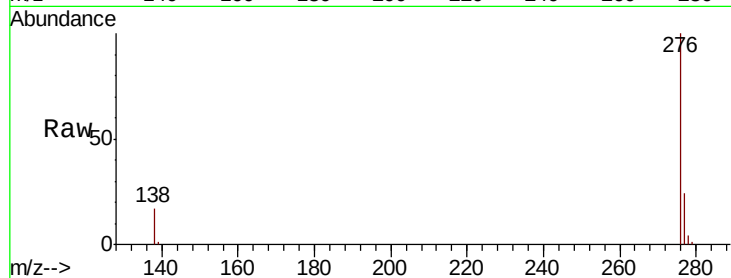
#26
 Benzo(a,h,i)perylene
 Concen: 7.602 ng/ul m
 RT: 26.33 min Scan# 7936
 Delta R.T. -0.03 min
 Lab File: BM021954.D
 Acq: 09 Aug 2019 05:03

Instrument :
 BNA_M
 ClientSampleId :
 BENZ1

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.4	15.5	23.3
277	24.2	21.4	32.2

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:29:56 AM



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

