

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
 Data File : BM021929.D
 Acq On : 08 Aug 2019 12:31
 Operator : HP/JU
 Sample : K4029-14
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENY4

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:12:39 AM

Quant Time: Aug 08 17:14:17 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	752	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	3314	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	1806	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.03	188	4295m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	4031m	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	3951m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	1140	0.21	ng/ul	-0.01
14) Fluoranthene-d10	19.06	212	3030m	0.21	ng/ul	-0.02
Target Compounds						Ovalue
3) Naphthalene	10.45	128	692	0.074	ng/ul#	89
5) 2-Methylnaphthalene	12.09	142	355	0.057	ng/ul	99
7) Acenaphthylene	14.00	152	1881	0.223	ng/ul#	83
8) Acenaphthene	14.34	153	448	0.065	ng/ul	94
9) Fluorene	15.33	166	617	0.081	ng/ul#	95
12) Phenanthrene	17.07	178	14109m	1.129	ng/ul	
13) Anthracene	17.16	178	3386m	0.318	ng/ul	
15) Fluoranthene	19.09	202	45044m	2.691	ng/ul	
17) Pyrene	19.46	202	40771	2.461	ng/ul	99
18) Benzo(a)anthracene	21.22	228	21092	1.463	ng/ul	98
19) Chrysene	21.27	228	27479	1.482	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	40607m	3.048	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	15262m	1.012	ng/ul	
23) Benzo(a)pyrene	23.35	252	24687m	1.822	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.66	276	19274m	1.191	ng/ul	
25) Dibenzo(a,h)anthracene	25.66	278	4871m	0.373	ng/ul	
26) Benzo(a,h,i)perylene	26.34	276	16021m	1.100	ng/ul	

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

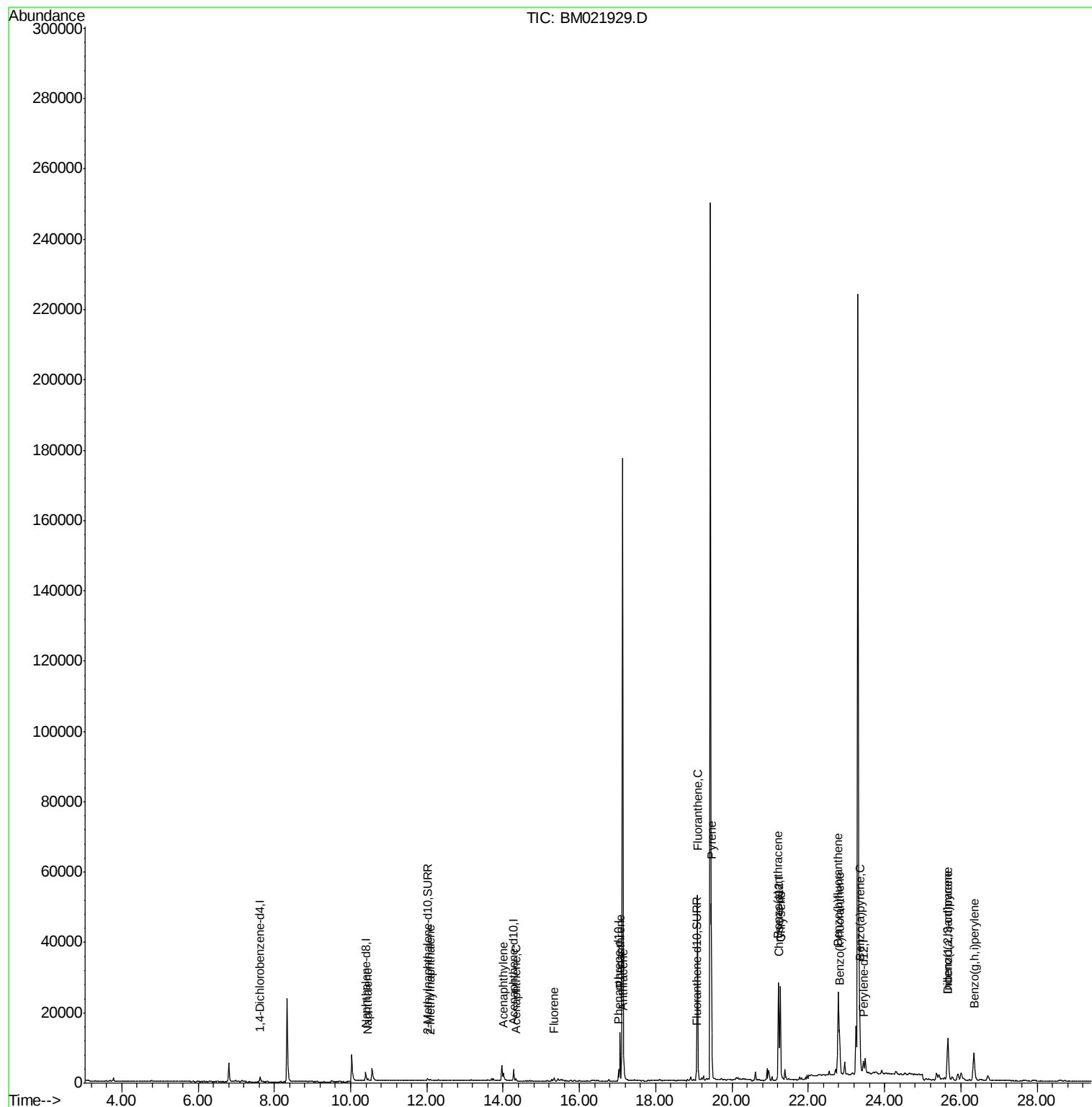
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080719\
Data File : BM021929.D
Acq On : 08 Aug 2019 12:31
Operator : HP/JU
Sample : K4029-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

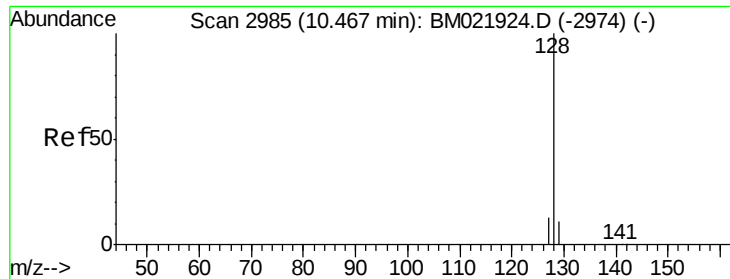
Instrument :
BNA_M
ClientSampleId :
BENY4

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM

Quant Time: Aug 08 17:14:17 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





#3

Naphthalene

Concen: 0.074 ng/ul

RT: 10.45 min Scan# 2981

Delta R.T. -0.02 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

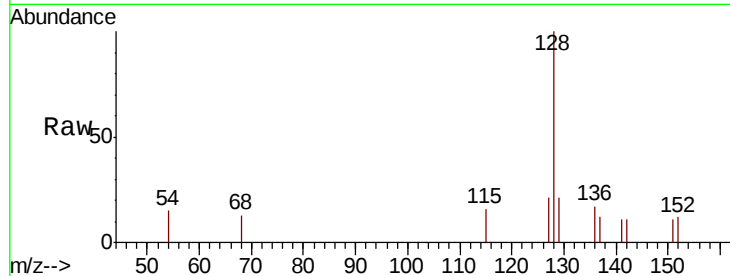
ClientSampleId :

BENY4

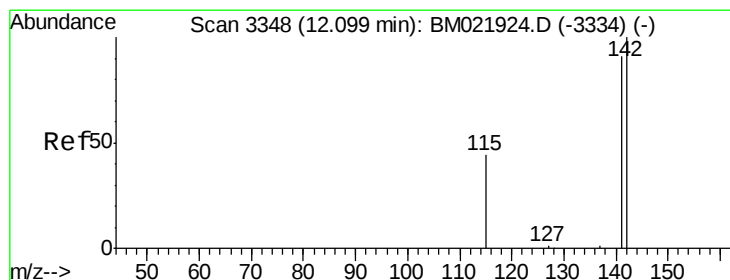
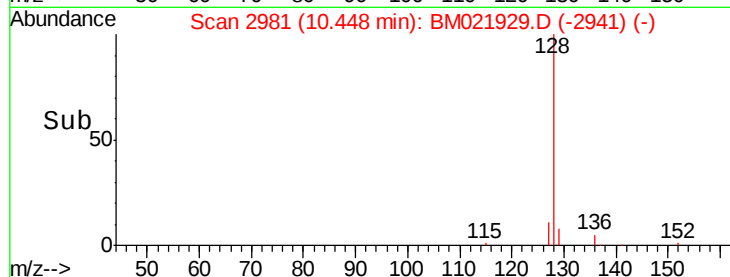
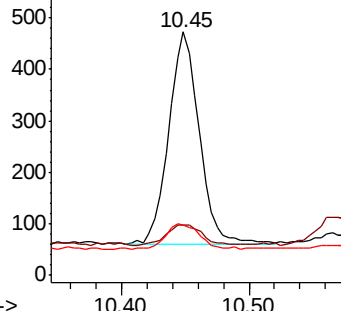
Tot Ion:	128	Resp:	692
Ion Ratio	Lower	Upper	
128	100		
129	20.9	12.3	18.5#
127	20.5	13.0	19.6#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 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: 0.057 ng/ul

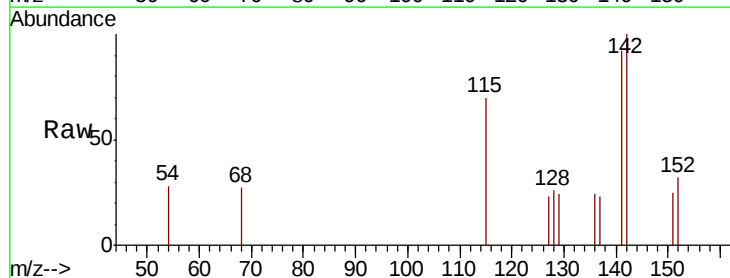
RT: 12.09 min Scan# 3345

Delta R.T. -0.02 min

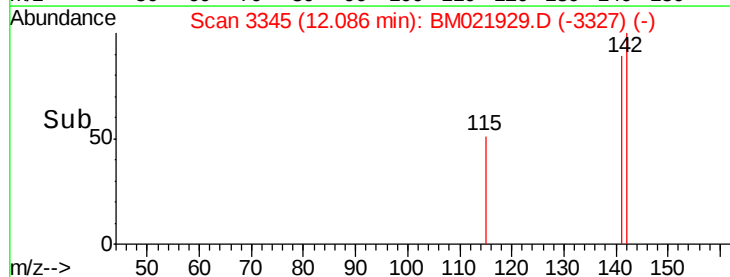
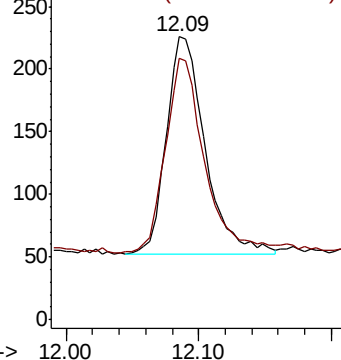
Lab File: BM021929.D

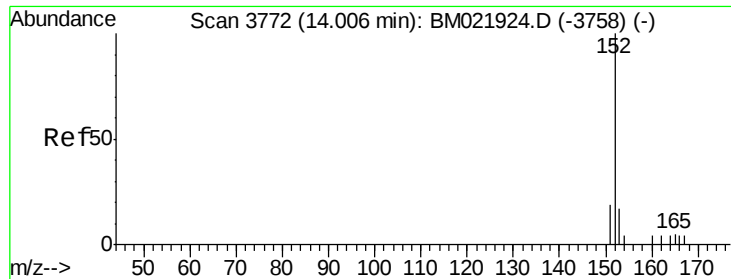
Acq: 08 Aug 2019 12:31

Tgt Ion:	142	Resp:	355
Ion Ratio	Lower	Upper	
142	100		
141	93.8	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: 0.223 ng/ul

RT: 14.00 min Scan# 3770

Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

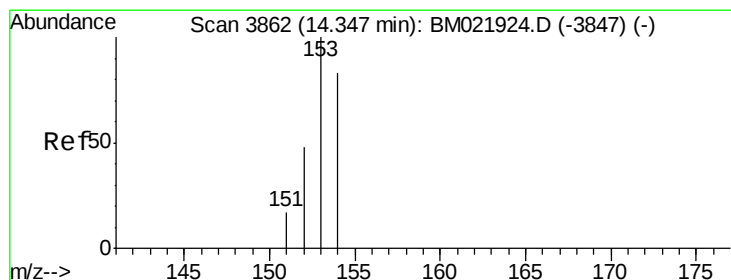
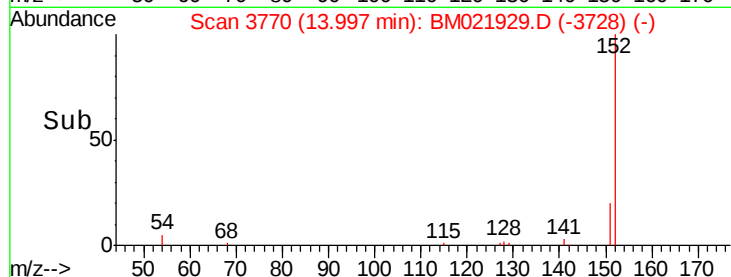
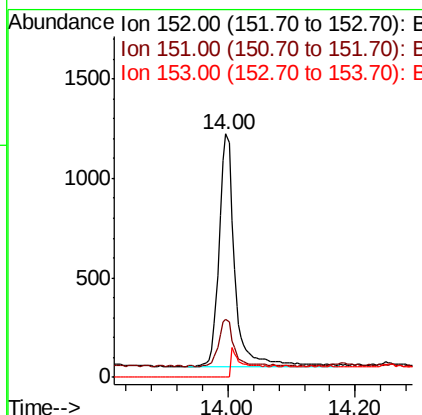
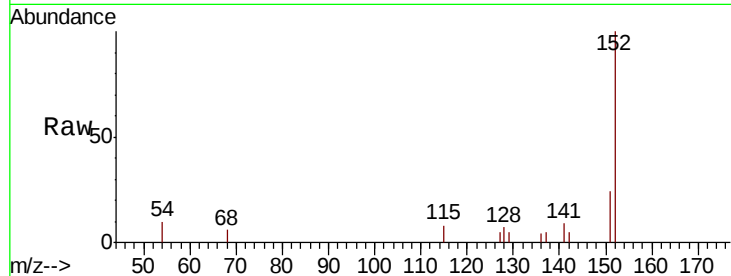
ClientSampleId :

BENY4

Tot Ion:	152	Resp:	1881
Ion Ratio	Lower	Upper	
152	100		
151	23.8	18.3	27.5
153	0.0	12.8	19.2#

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



#8

Acenaphthene

Concen: 0.065 ng/ul

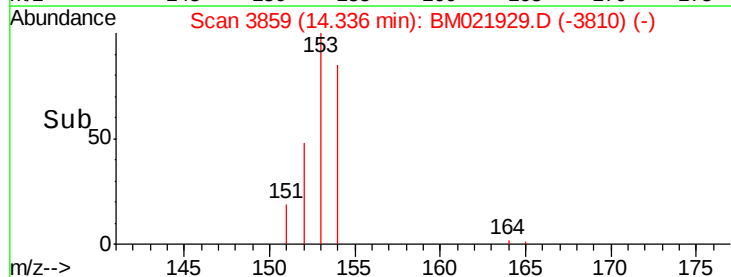
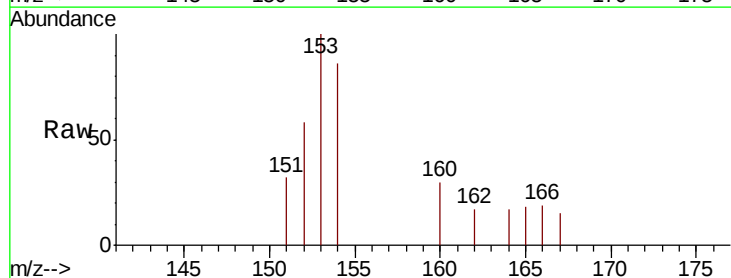
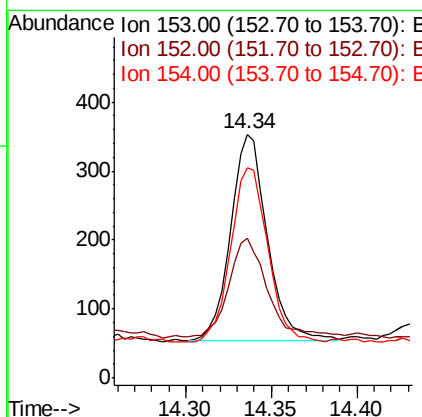
RT: 14.34 min Scan# 3859

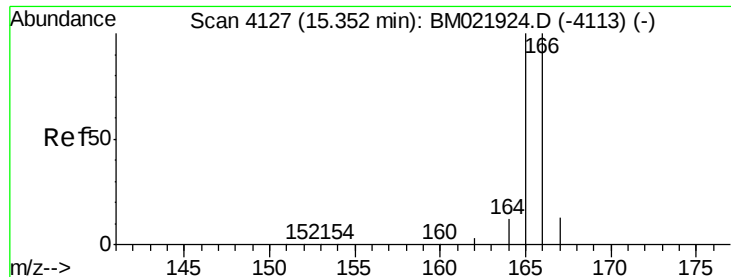
Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Tgt Ion:	153	Resp:	448
Ion Ratio	Lower	Upper	
153	100		
152	57.5	41.3	61.9
154	86.4	72.3	108.5





#9

Fluorene

Concen: 0.081 ng/ul

RT: 15.33 min Scan# 4122

Delta R.T. -0.02 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

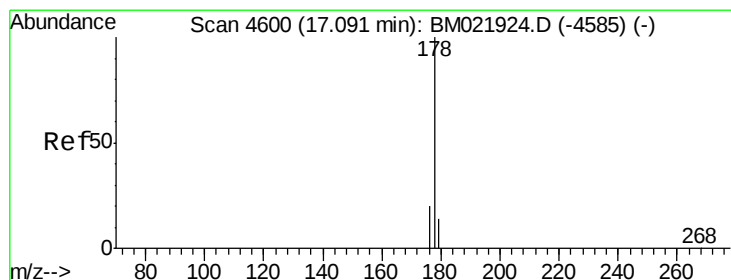
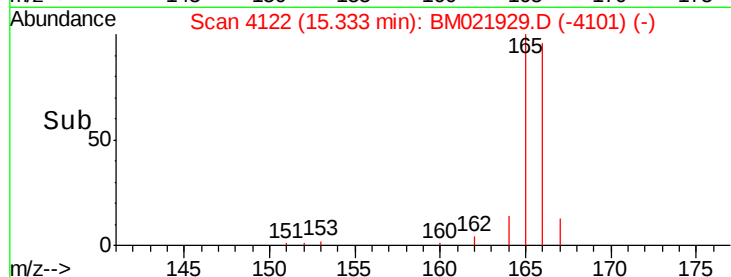
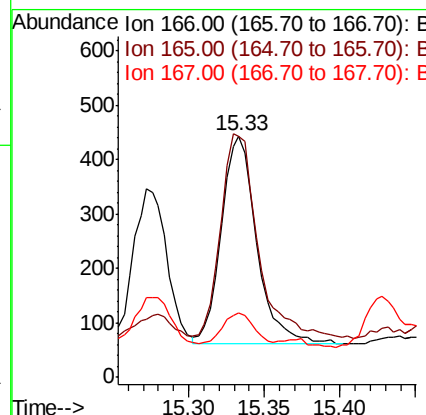
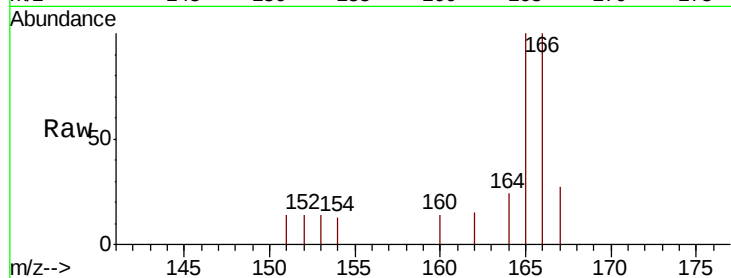
ClientSampleId :

BENY4

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	81.4	122.0
167	26.6	13.7	20.5

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



#12

Phenanthrene

Concen: 1.129 ng/ul m

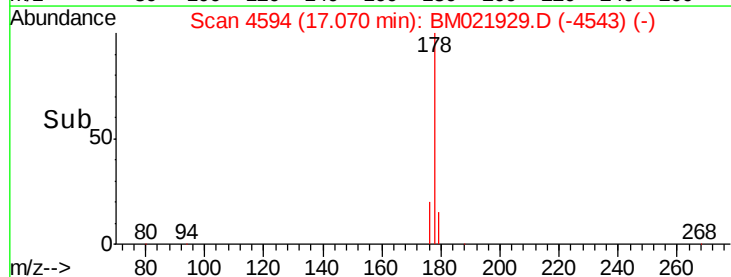
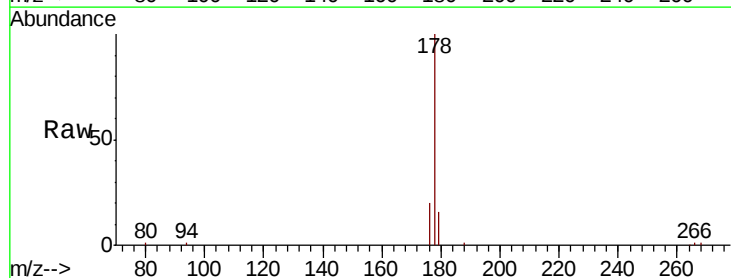
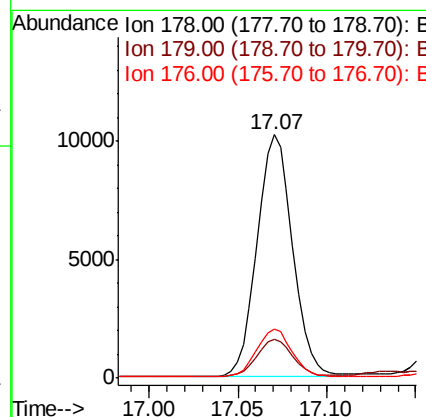
RT: 17.07 min Scan# 4594

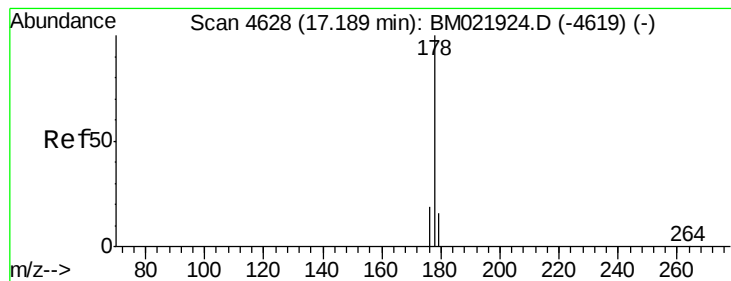
Delta R.T. -0.02 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	14.2	21.2
176	20.1	16.8	25.2





#13

Anthracene

Concen: 0.318 ng/ul m

RT: 17.16 min Scan# 4621

Delta R.T. -0.03 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

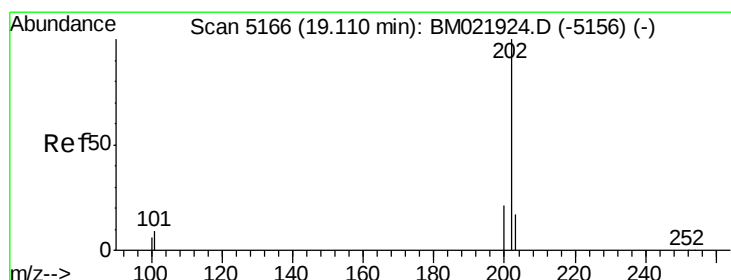
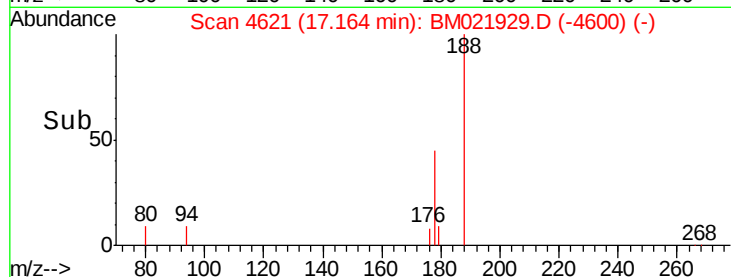
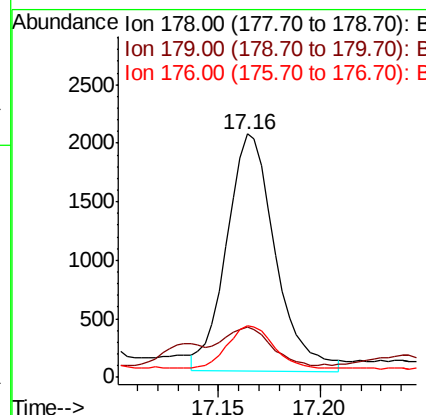
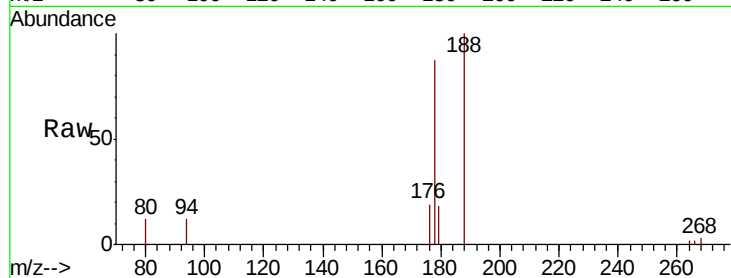
ClientSampled :

BENY4

Tot Ion:	178	Resp:	3386
Ion Ratio	Lower	Upper	
178	100		
179	20.9	15.5	23.3
176	21.4	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



#15

Fluoranthene

Concen: 2.691 ng/ul m

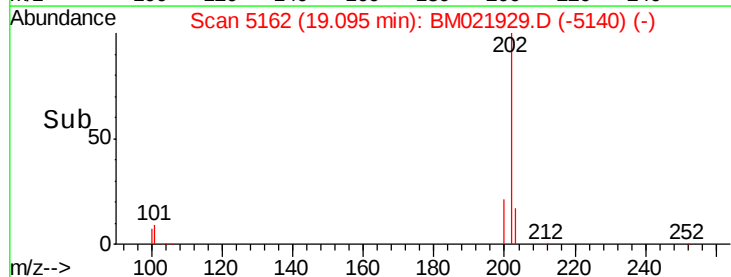
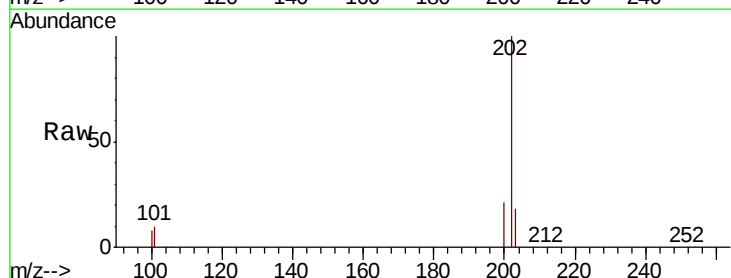
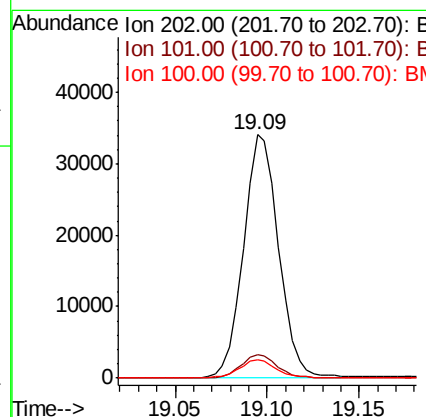
RT: 19.09 min Scan# 5162

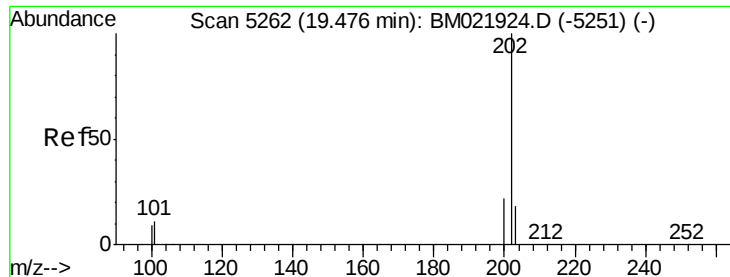
Delta R.T. -0.02 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Tgt Ion:	202	Resp:	45044
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	30.2
100	7.6	0.0	28.1





#17

Pvrene

Concen: 2.461 ng/ul

RT: 19.46 min Scan# 5258

Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

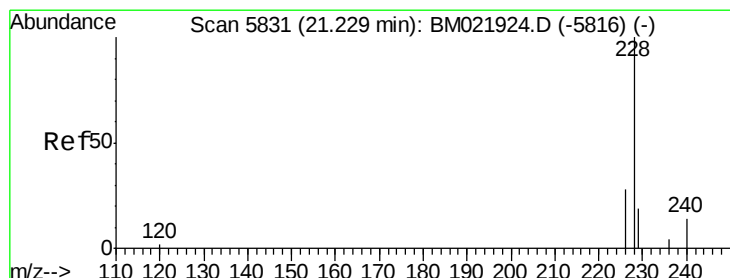
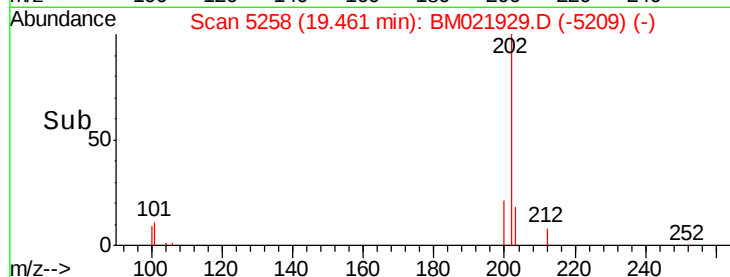
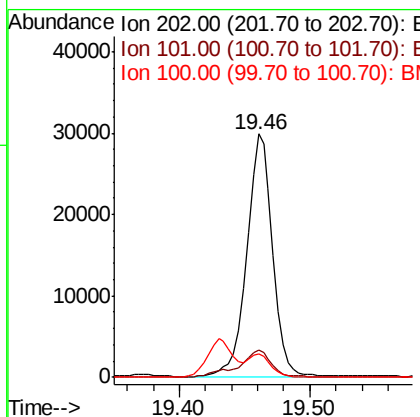
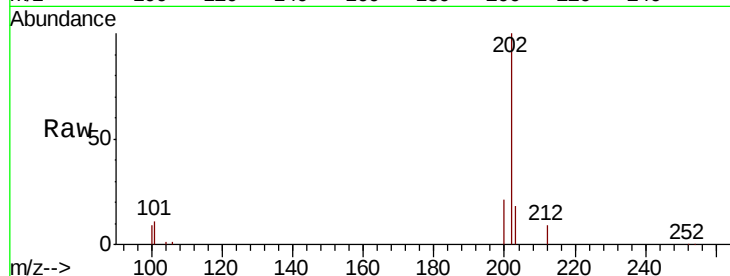
ClientSampleId :

BENY4

Tot Ion:	202	Resp:	40771
Ion Ratio	Lower	Upper	
202	100		
101	11.1	8.3	12.5
100	9.4	7.2	10.8

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



#18

Benzo(a)anthracene

Concen: 1.463 ng/ul

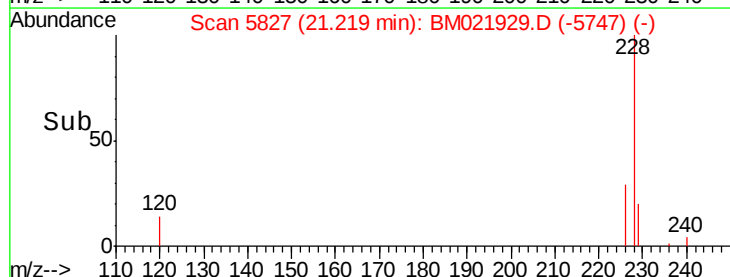
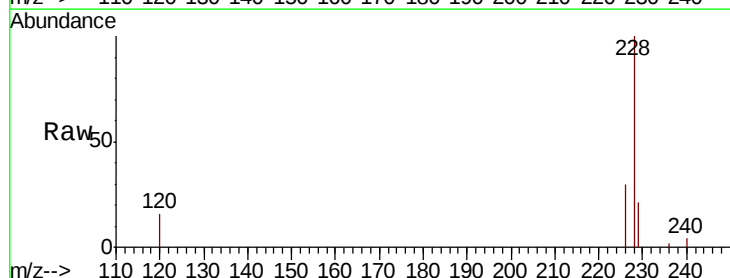
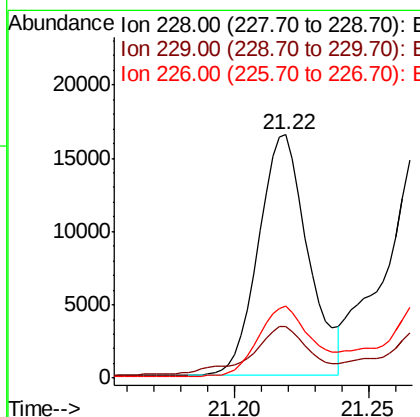
RT: 21.22 min Scan# 5827

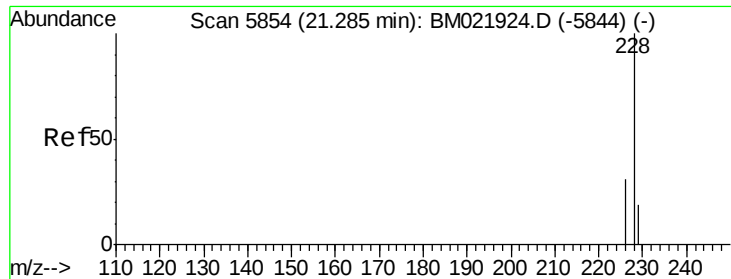
Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Tgt Ion:	228	Resp:	21092
Ion Ratio	Lower	Upper	
228	100		
229	21.1	17.2	25.8
226	29.6	22.6	34.0





#19

Chrysene

Concen: 1.482 ng/ul

RT: 21.27 min Scan# 5848

Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Instrument :

BNA_M

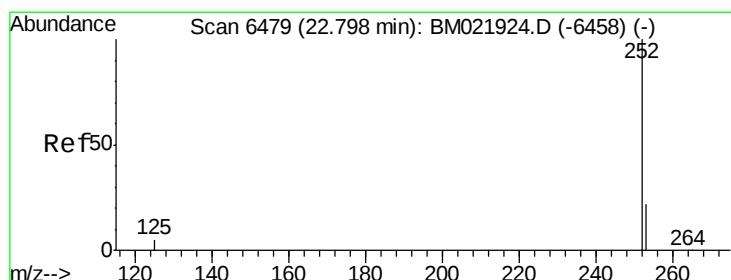
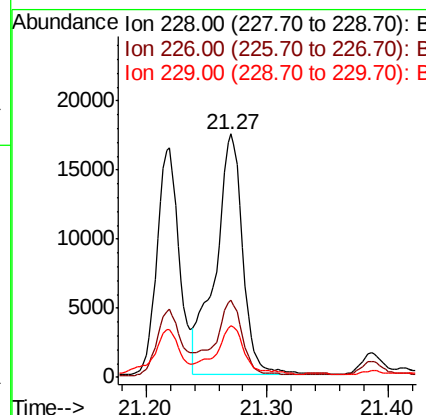
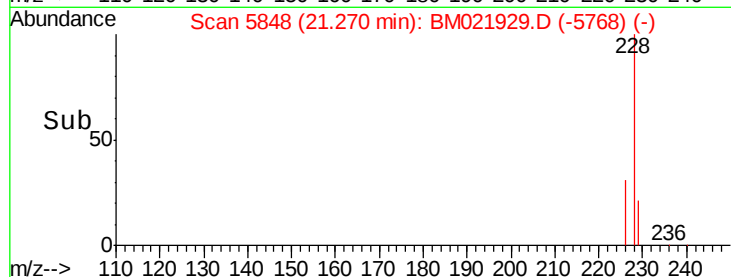
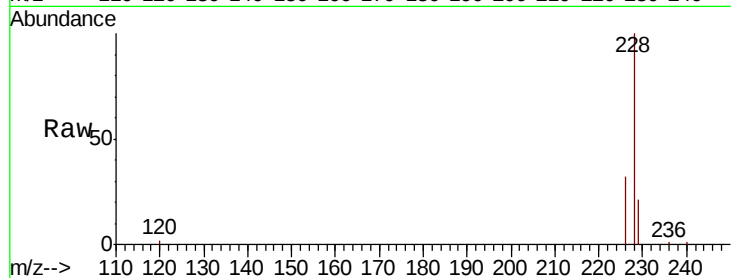
ClientSampleId :

BENY4

Tot Ion:	228	Resp:	27479
Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	21.3	16.6	25.0

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



#21

Benzo(b)fluoranthene

Concen: 3.048 ng/ul m

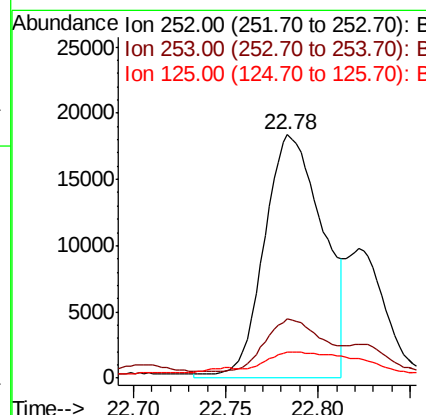
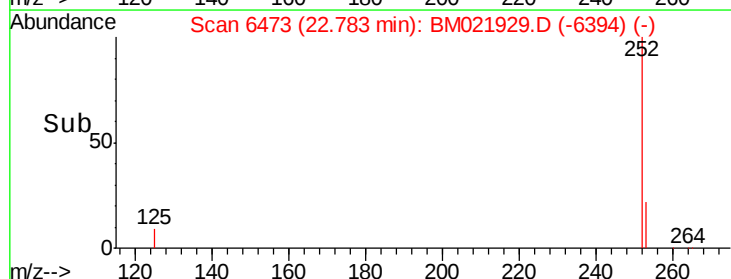
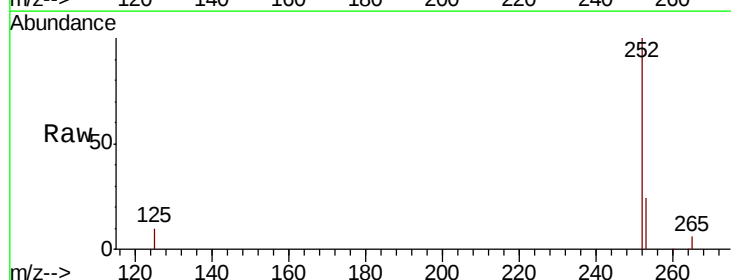
RT: 22.78 min Scan# 6473

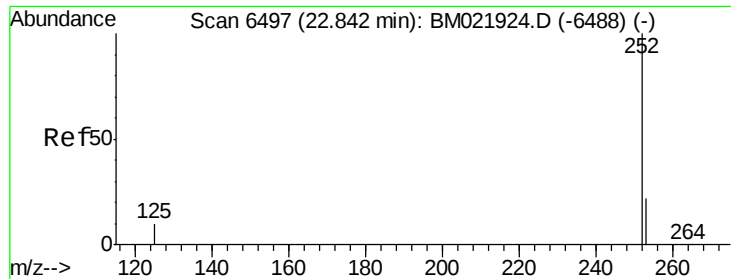
Delta R.T. -0.01 min

Lab File: BM021929.D

Acq: 08 Aug 2019 12:31

Tgt Ion:	252	Resp:	40607
Ion	Ratio	Lower	Upper
252	100		
253	24.2	0.0	67.4
125	10.5	0.0	31.0





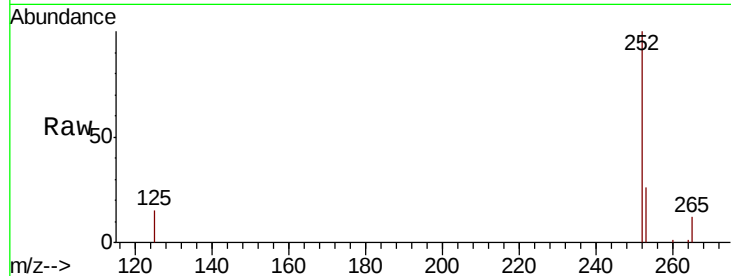
#22
Benzo(k)fluoranthene
Concen: 1.012 ng/ul m
RT: 22.82 min Scan# 6489
Delta R.T. -0.01 min
Lab File: BM021929.D
Acq: 08 Aug 2019 12:31

Instrument :
BNA_M
ClientSampled :
BENY4

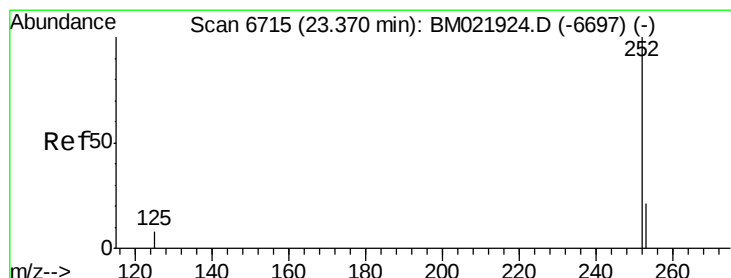
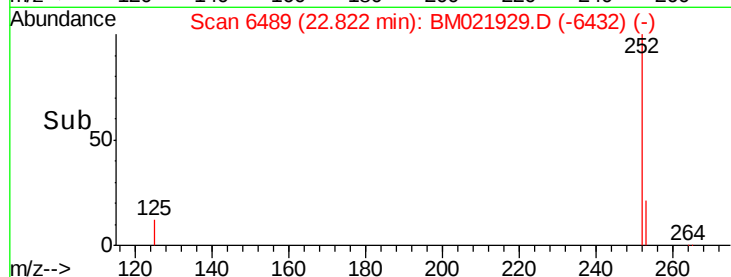
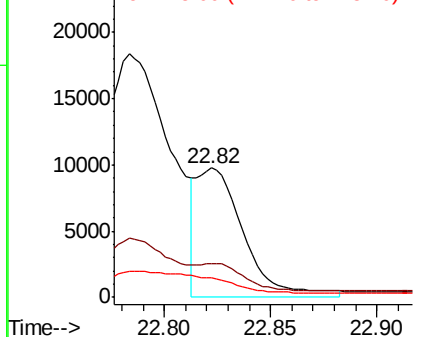
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	27.0	40.4#
125	15.1	12.2	18.2

Manual Integrations
APPROVED

mohammad
8/9/2019 6:12:39 AM



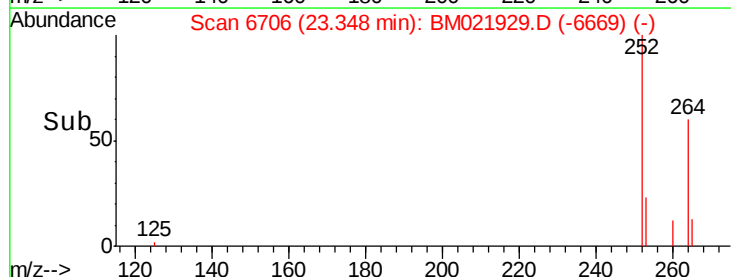
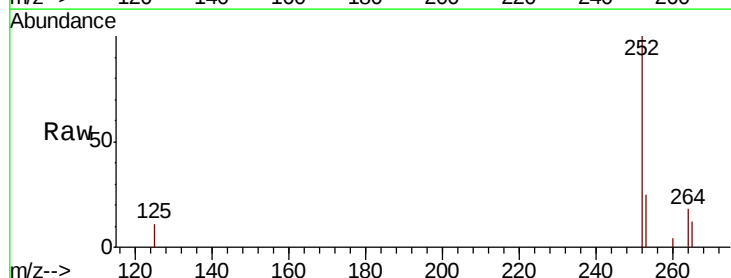
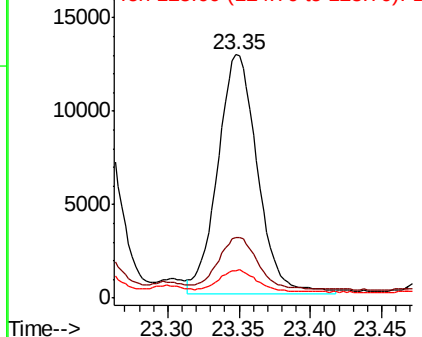
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

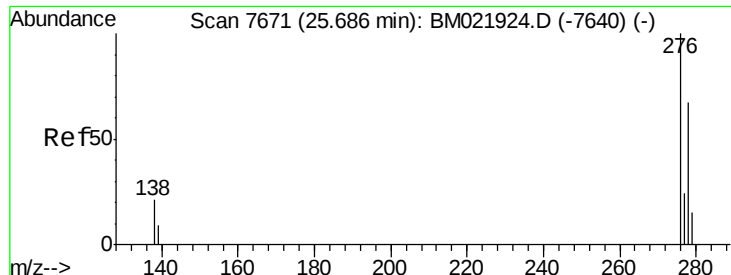


#23
Benzo(a)pyrene
Concen: 1.822 ng/ul m
RT: 23.35 min Scan# 6706
Delta R.T. -0.01 min
Lab File: BM021929.D
Acq: 08 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	31.7	47.5#
125	11.4	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





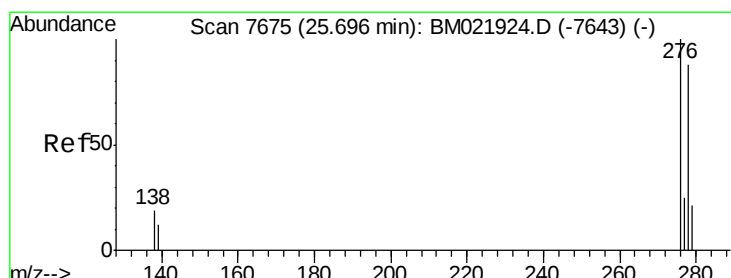
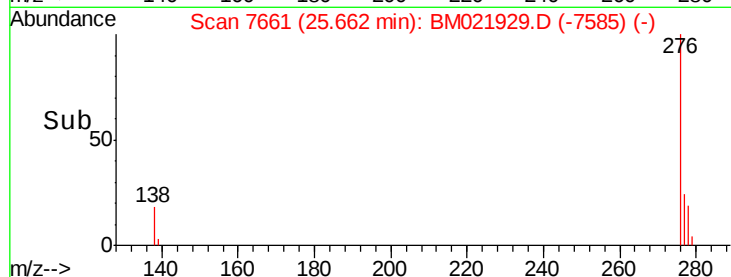
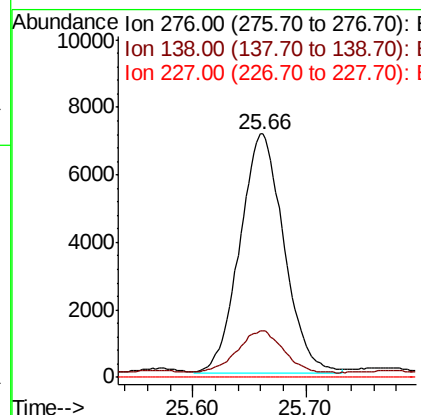
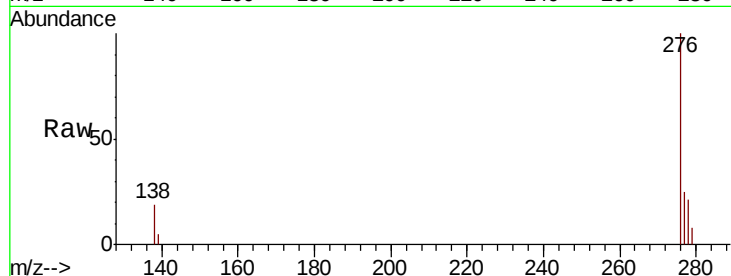
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.191 ng/ul m
RT: 25.66 min Scan# 7661
Delta R.T. -0.01 min
Lab File: BM021929.D
Acq: 08 Aug 2019 12:31

Instrument :
BNA_M
ClientSampleId :
BENY4

Tot Ion	Ratio	Resp	Lower	Upper
276	100	19274		
138	1.7	15.1	22.7#	
227	0.0	0.0	0.0	

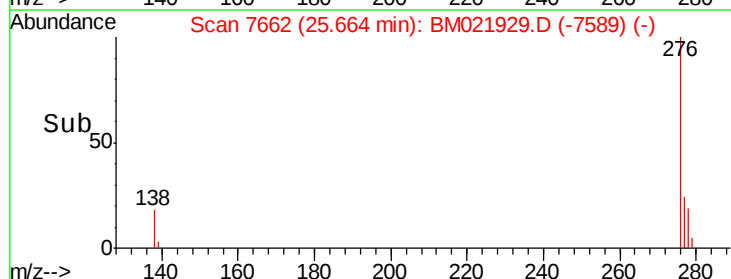
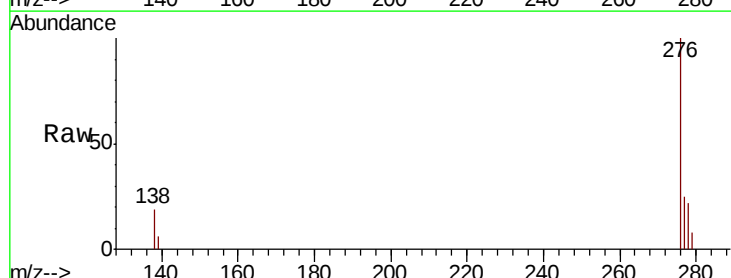
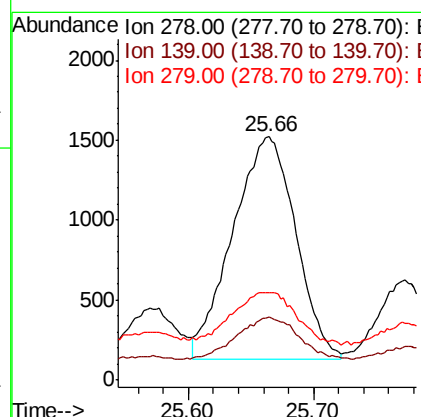
Manual Integrations
APPROVED

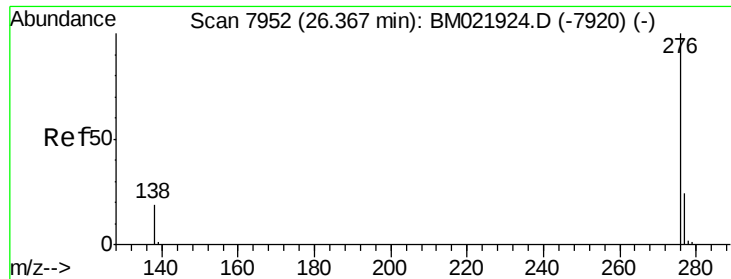
mohammad
8/9/2019 6:12:39 AM



#25
Dibenzo(a,h)anthracene
Concen: 0.373 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.02 min
Lab File: BM021929.D
Acq: 08 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	4871		
139	26.1	14.2	21.2#	
279	36.0	28.3	42.5	





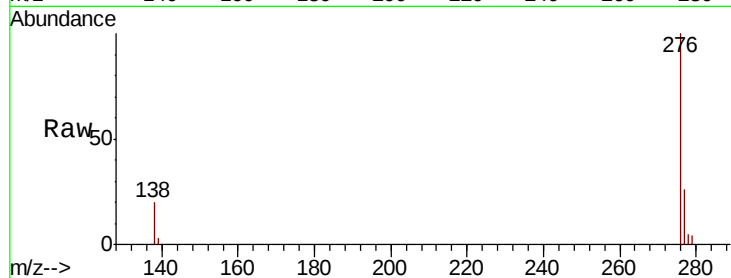
#26
 Benzo(a,h,i)perylene
 Concen: 1.100 ng/ul m
 RT: 26.34 min Scan# 7943
 Delta R.T. -0.01 min
 Lab File: BM021929.D
 Acq: 08 Aug 2019 12:31

Instrument :
 BNA_M
 ClientSampleId :
 BENY4

Tot Ion:	276	Resp:	16021
Ion Ratio	Lower	Upper	
276	100		
138	19.6	15.5	23.3
277	25.7	21.4	32.2

Manual Integrations
 APPROVED

mohammad
 8/9/2019 6:12:39 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

