

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010630.D
 Acq On : 21 Jun 2017 19:28
 Operator : SJ/JU
 Sample : I3627-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5A90

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:32:47 PM

Quant Time: Jun 22 01:29:34 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 00:43:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	69816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	317829	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	216898	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	539592	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	664656	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	620740	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3738	3.07	ng/uL	0.00
5) Phenol-d5	6.65	99	96216	14.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	60363	15.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	79870	17.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	86098	15.61	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	40583	17.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	48940	18.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	95049	17.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	110924	19.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	380213	19.97	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	422761	19.09	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	47811	14.27	ng/ul	0.00
57) Fluorene-d10	15.12	176	325368	19.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	59081	17.83	ng/ul	0.00
70) Anthracene-d10	16.97	188	533621m	20.48	ng/ul	0.00
76) Pyrene-d10	19.28	212	637082	20.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	618042	20.60	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.29	128	2908504	183.889	ng/ul	99
34) 2-Methylnaphthalene	11.90	142	609183	47.913	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	155787	9.187	ng/ul	98
44) Dimethylphthalate	13.59	163	140826	7.545	ng/ul	99
49) Acenaphthene	14.18	153	431393	30.317	ng/ul	98
53) Dibenzofuran	14.52	168	663929	30.809	ng/ul	92
58) Fluorene	15.17	166	441092	24.448	ng/ul	97
69) Phenanthrene	16.92	178	3227717	112.516	ng/ul	98
71) Anthracene	17.00	178	381211	12.899	ng/ul	98
72) Carbazole	17.28	167	63840	2.476	ng/ul	98
74) Fluoranthene	18.94	202	1770722	47.896	ng/ul	97
77) Pyrene	19.31	202	997868	25.992	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	359806	9.296	ng/ul	97
82) Chrysene	21.12	228	284746	8.251	ng/ul	100
85) Benzo(b)fluoranthene	22.59	252	205587	5.102	ng/ul	97
86) Benzo(k)fluoranthene	22.63	252	60988m	1.597	ng/ul	
88) Benzo(a)pyrene	23.13	252	107236	2.891	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.33	276	41107	1.068	ng/ul#	97

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

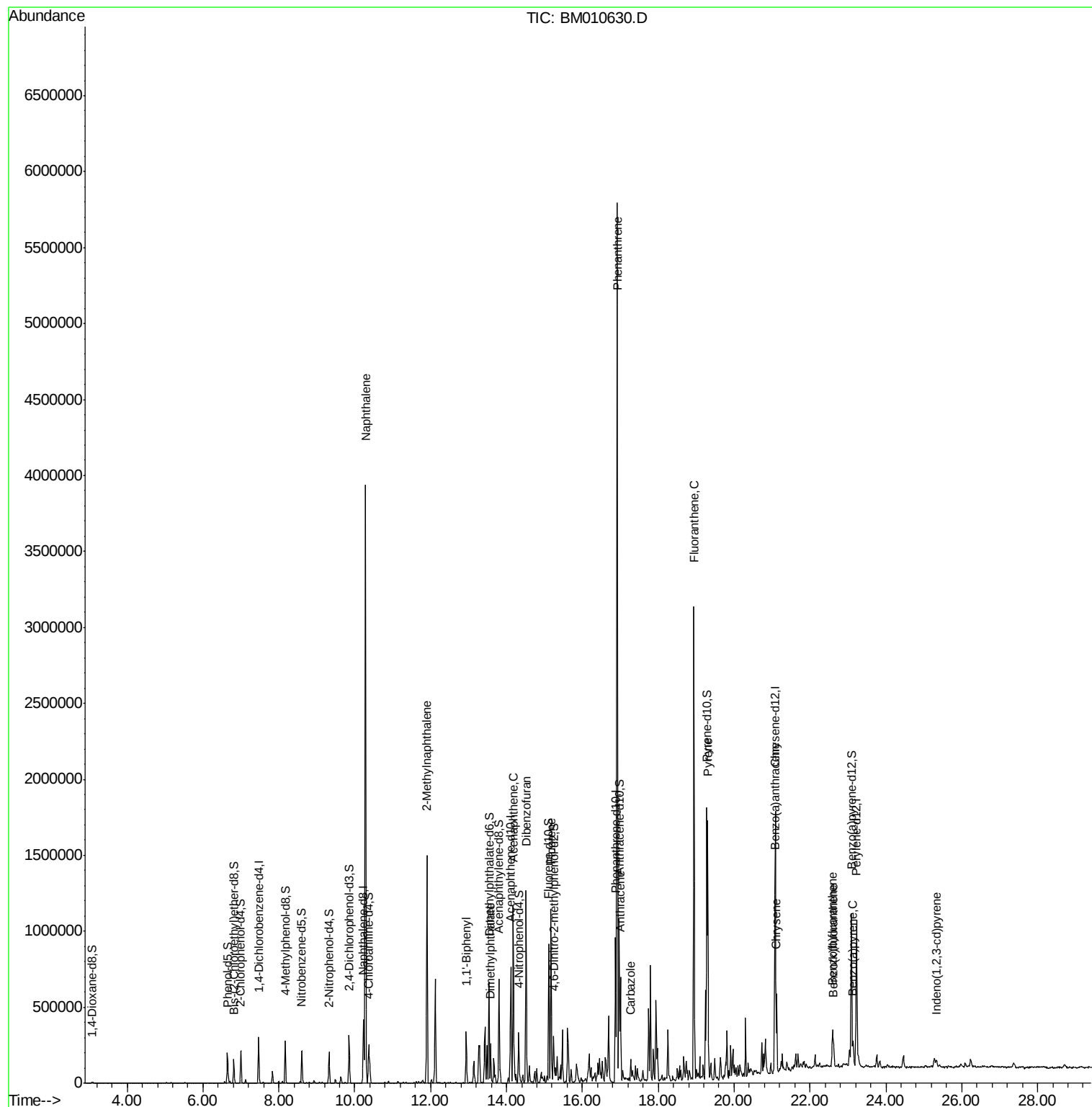
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010630.D
Acq On : 21 Jun 2017 19:28
Operator : SJ/JU
Sample : I3627-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

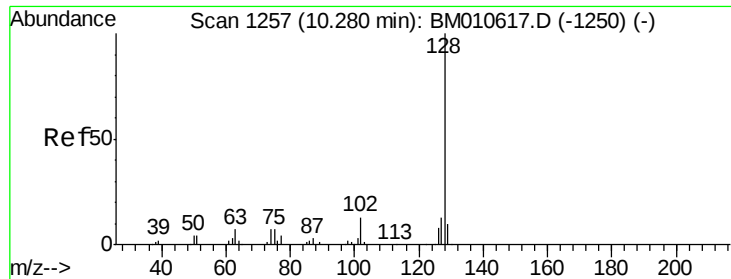
Instrument :
BNA_M
ClientSampleId :
F5A90

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM

Quant Time: Jun 22 01:29:34 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 00:43:46 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 183.889 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

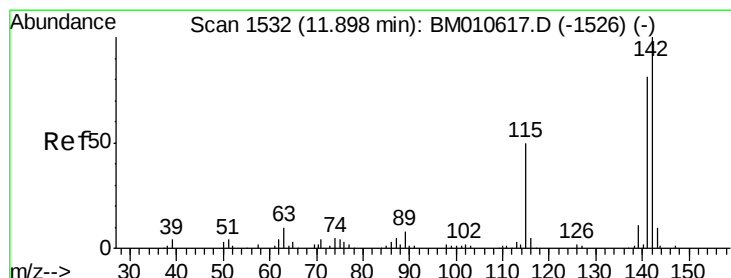
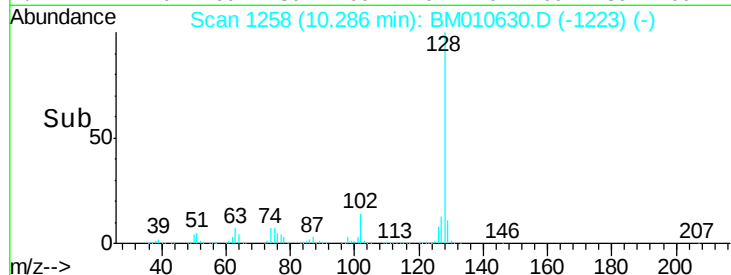
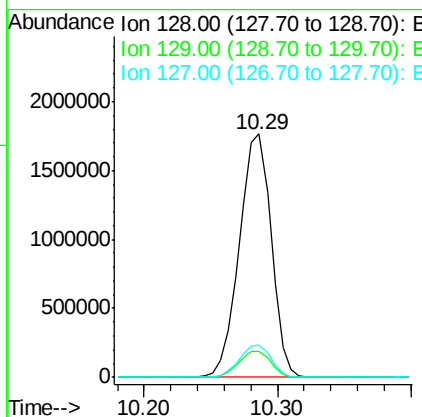
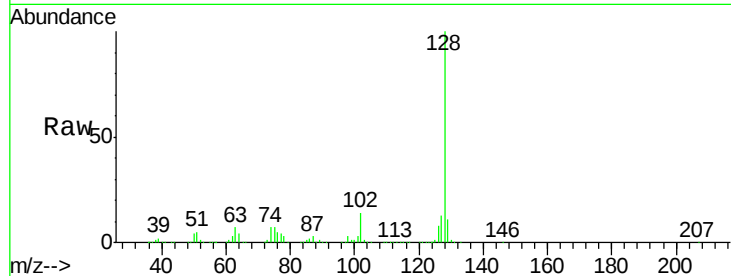
ClientSampleId :

F5A90

Tgt Ion:	128	Resp:	2908504
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.5	10.6	16.0

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM



#34

2-Methylnaphthalene

Concen: 47.913 ng/ul

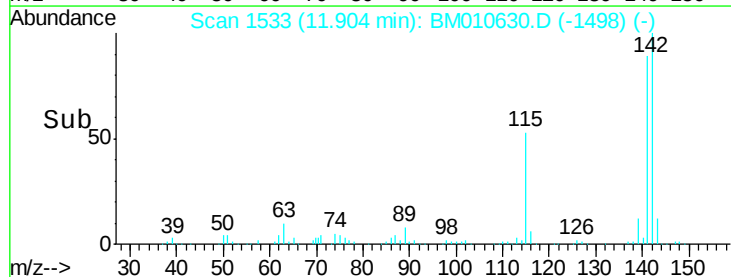
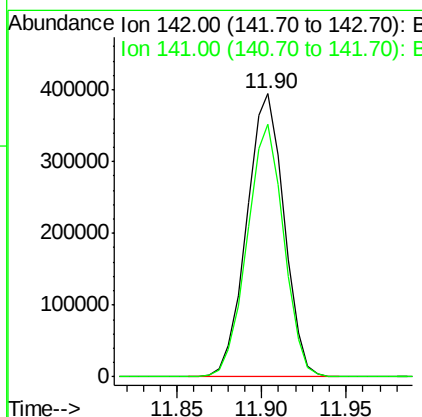
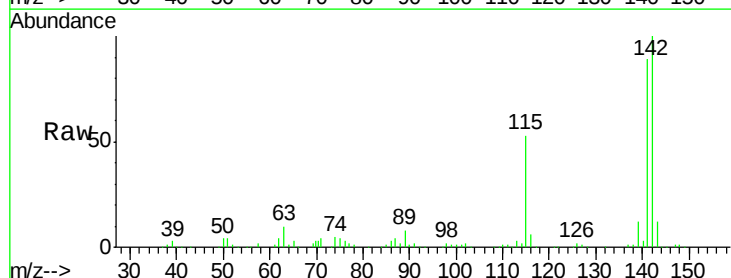
RT: 11.90 min Scan# 1533

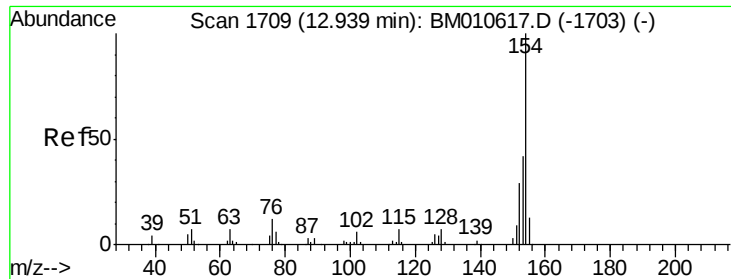
Delta R.T. 0.01 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Tgt Ion:	142	Resp:	609183
Ion	Ratio	Lower	Upper
142	100		
141	89.2	74.1	111.1





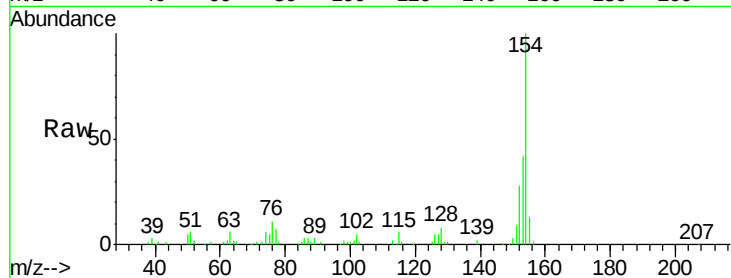
#40
 1,1'-Biphenyl
 Concen: 9.187 ng/ul
 RT: 12.94 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Instrument :
 BNA_M
 ClientSampled :
 F5A90

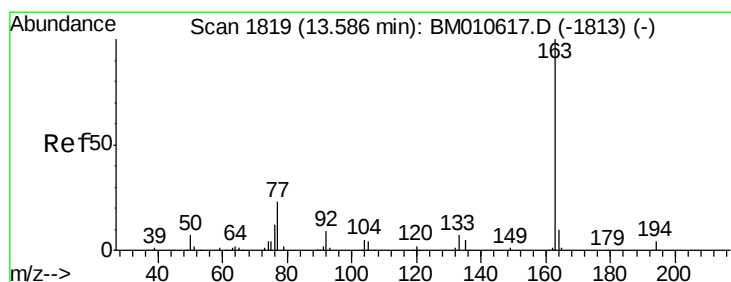
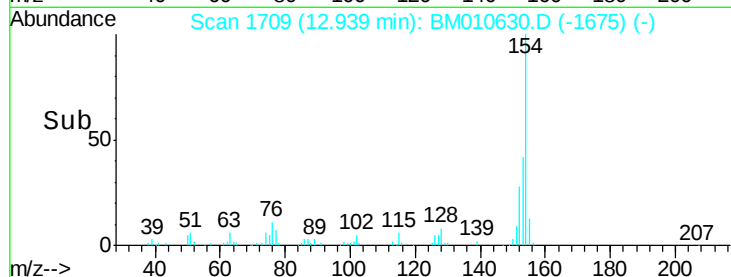
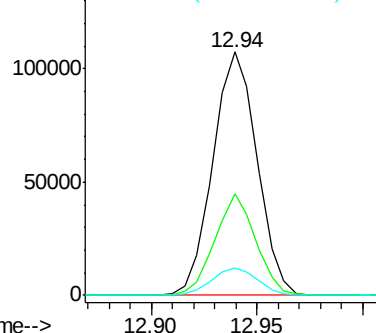
Tgt Ion:	154	Resp:	155787
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.6	48.8
76	11.4	8.5	12.7

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:32:47 PM

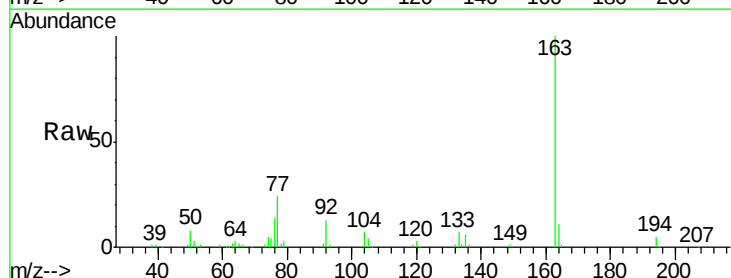


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

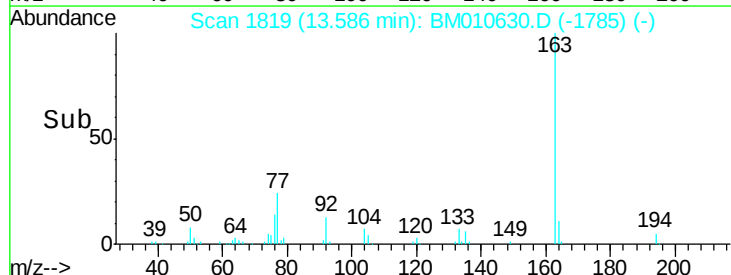
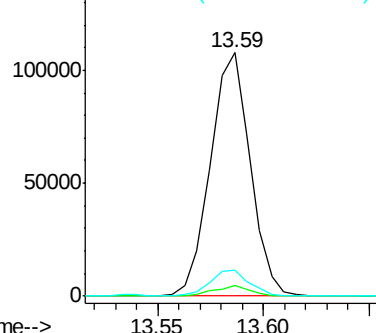


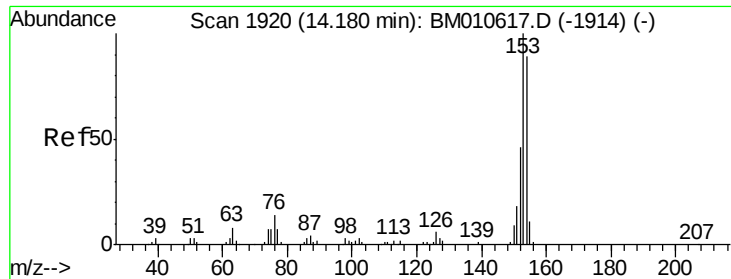
#44
 Dimethylphthalate
 Concen: 7.545 ng/ul
 RT: 13.59 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Tgt Ion:	163	Resp:	140826
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.5	5.3
164	10.7	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 30.317 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

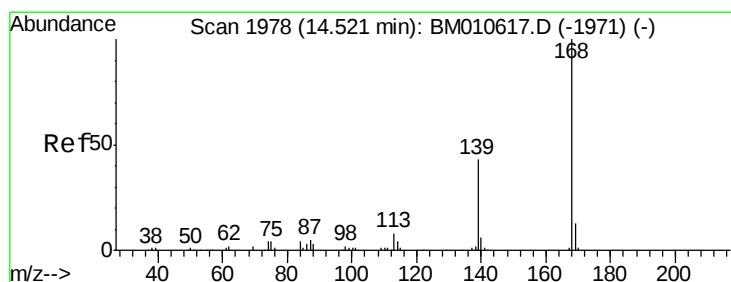
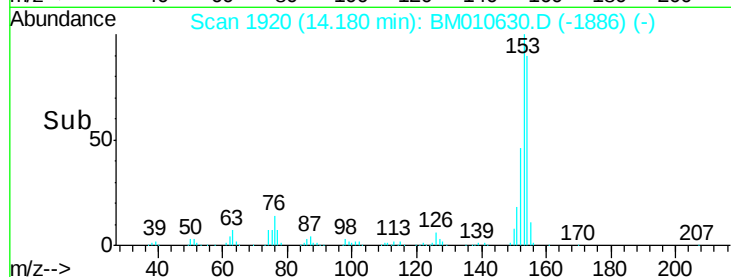
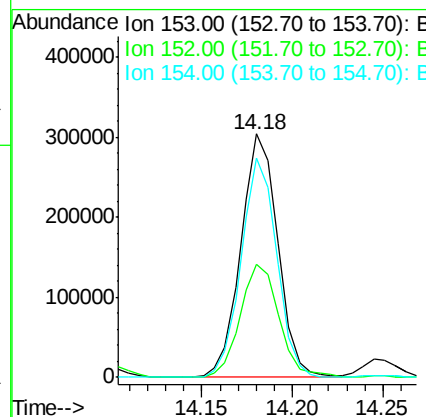
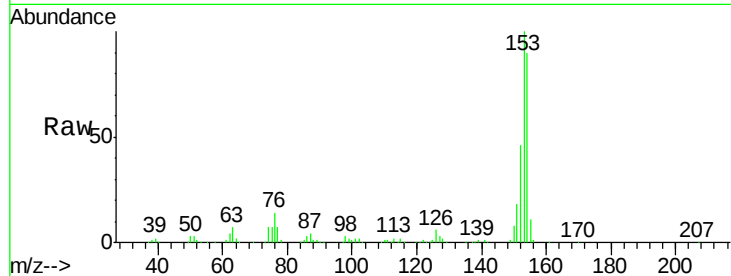
ClientSampleId :

F5A90

Tgt Ion:	153	Resp:	431393
Ion Ratio	Lower	Upper	
153	100		
152	46.2	37.6	56.4
154	90.0	70.4	105.6

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM



#53

Dibenzofuran

Concen: 30.809 ng/ul

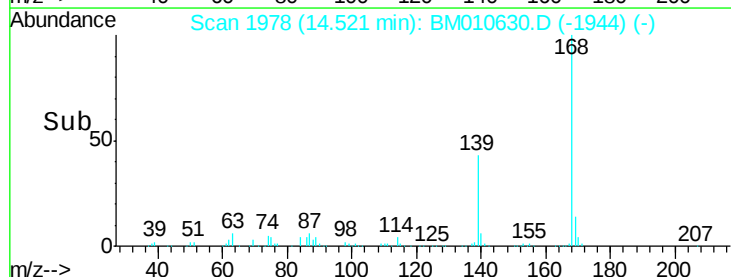
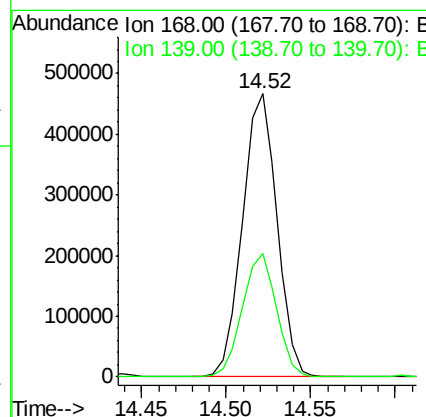
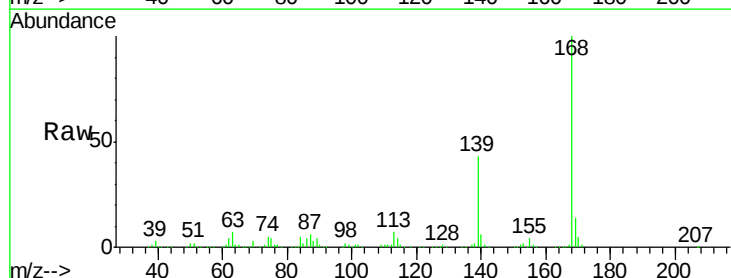
RT: 14.52 min Scan# 1978

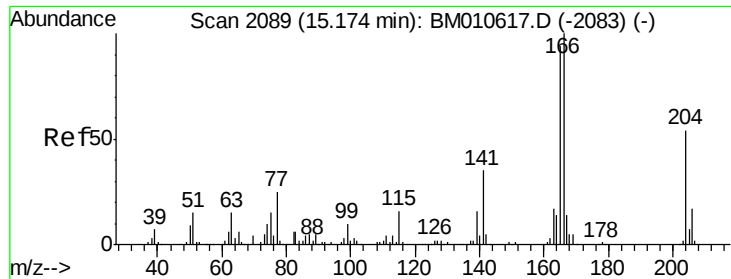
Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Tgt Ion:	168	Resp:	663929
Ion Ratio	Lower	Upper	
168	100		
139	43.5	30.8	46.2





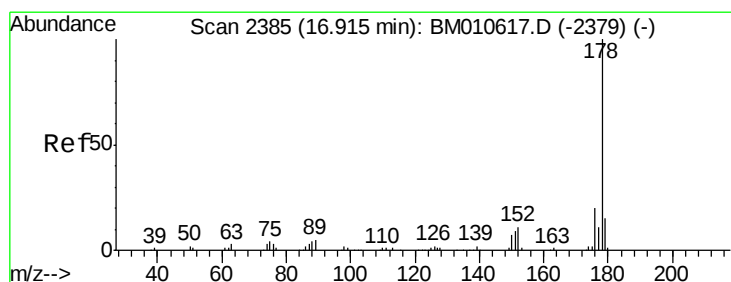
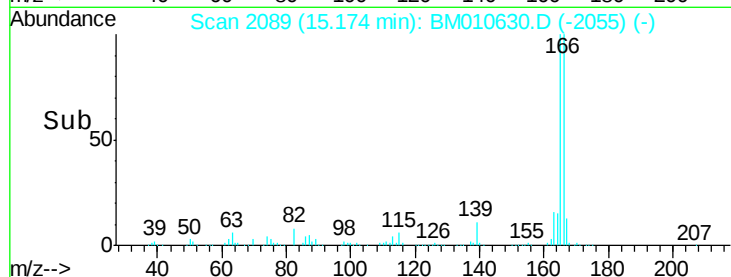
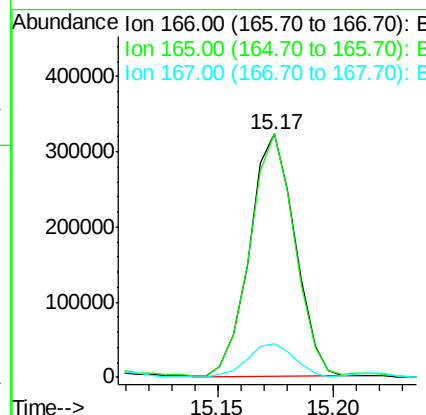
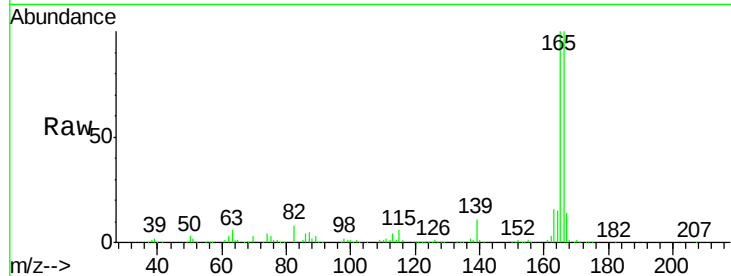
#58
 Fluorene
 Concen: 24.448 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Instrument :
 BNA_M
 ClientSampleId :
 F5A90

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	77.9	116.9
167	13.8	10.6	16.0

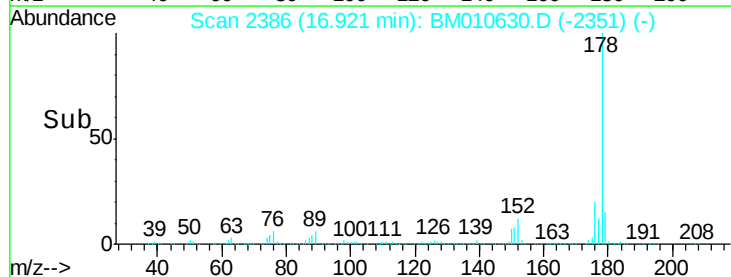
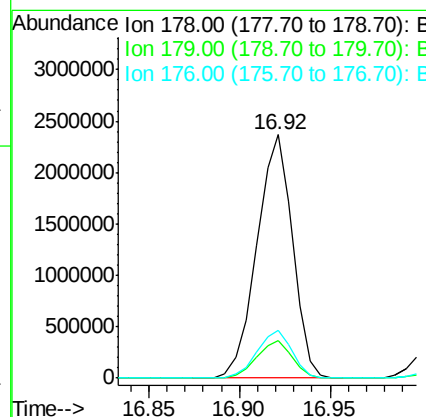
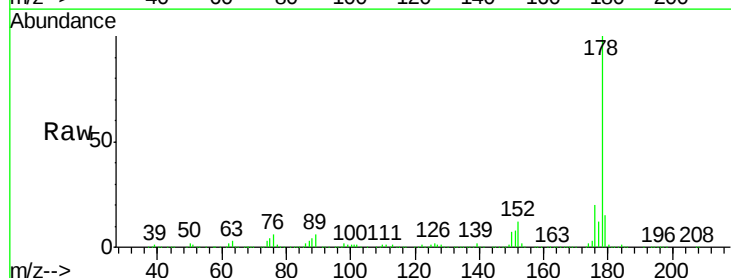
Manual Integrations
 APPROVED

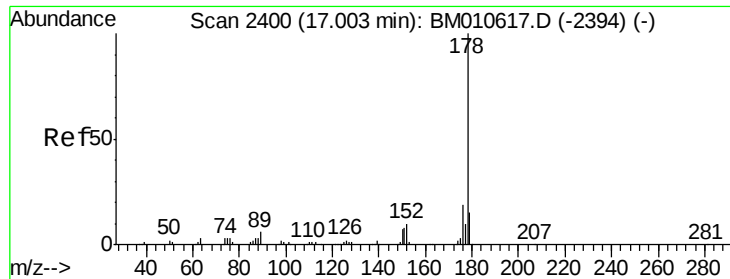
mohammad
 6/22/2017 5:32:47 PM



#69
 Phenanthrene
 Concen: 112.516 ng/ul
 RT: 16.92 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.5	14.9	22.3





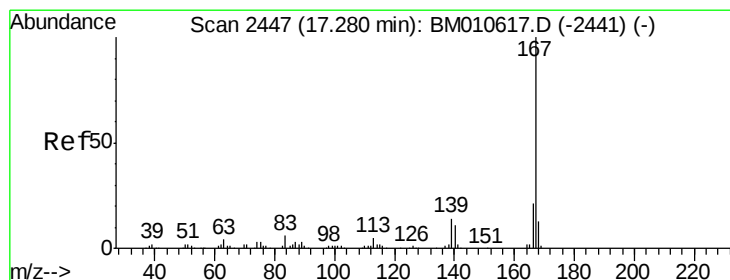
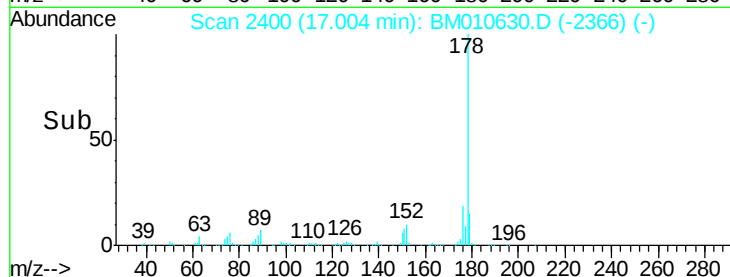
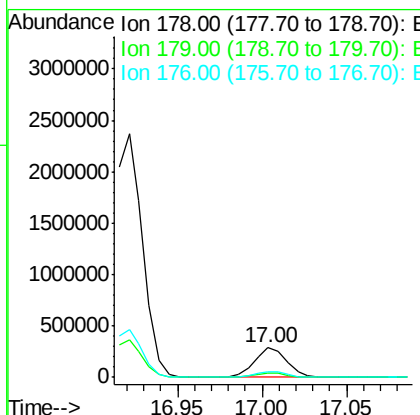
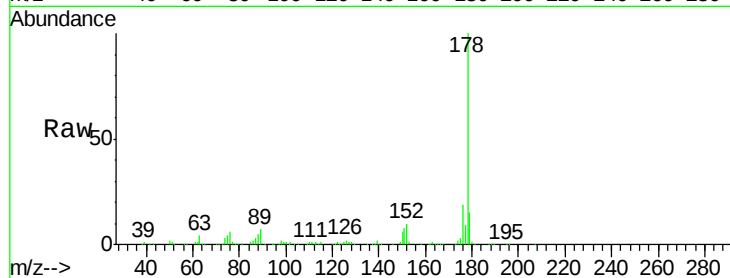
#71
 Anthracene
 Concen: 12.899 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Instrument :
 BNA_M
 ClientSampleId :
 F5A90

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	19.4	14.6	21.8

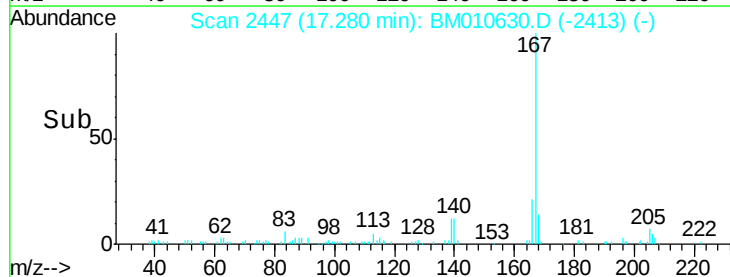
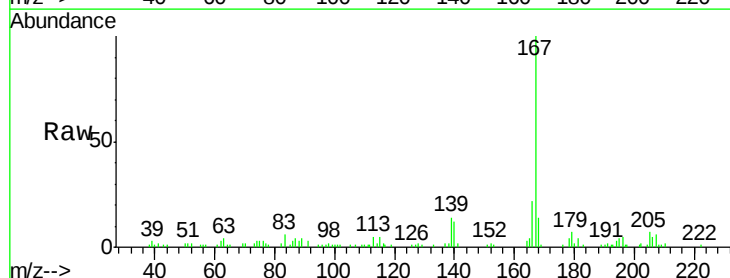
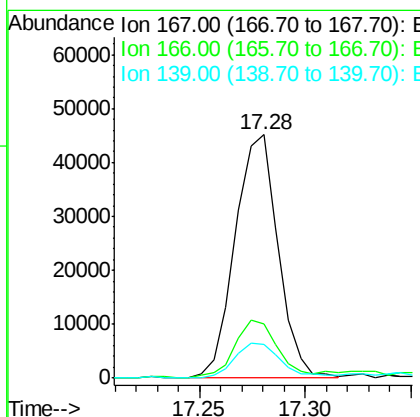
Manual Integrations
 APPROVED

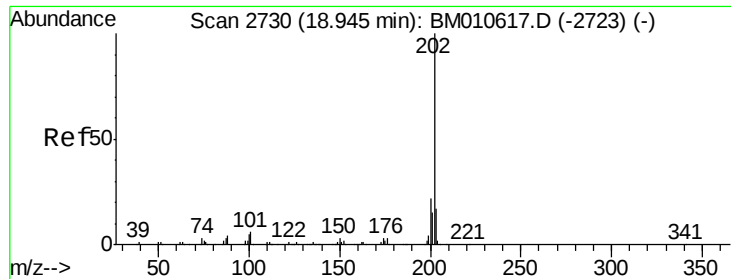
mohammad
 6/22/2017 5:32:47 PM



#72
 Carbazole
 Concen: 2.476 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BM010630.D
 Acq: 21 Jun 2017 19:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	13.7	10.0	15.0





#74

Fluoranthene

Concen: 47.896 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

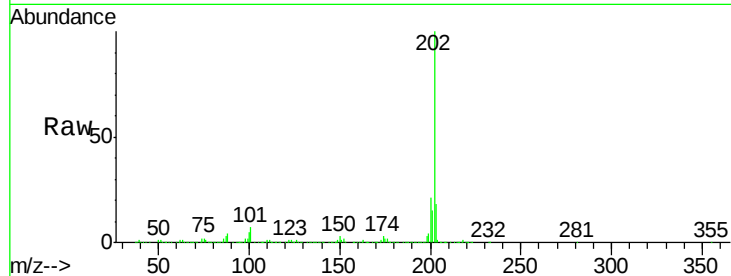
ClientSampleId :

F5A90

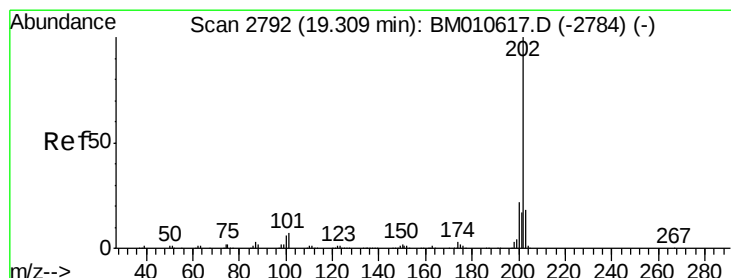
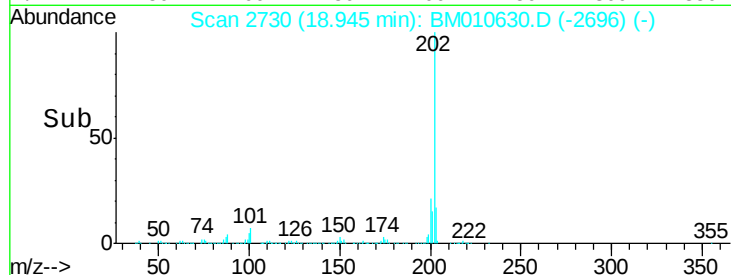
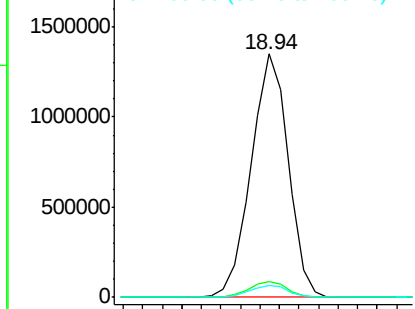
Tgt	Ion	202	Resp	1770722
Ion	Ratio	Lower	Upper	
202	100			
101	6.7	4.6	7.0	
100	5.0	3.4	5.2	

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM



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



#77

Pyrene

Concen: 25.992 ng/ul

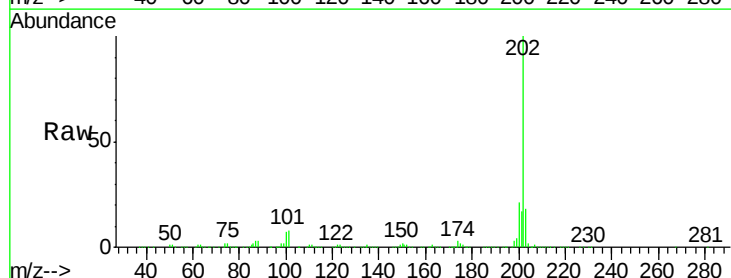
RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

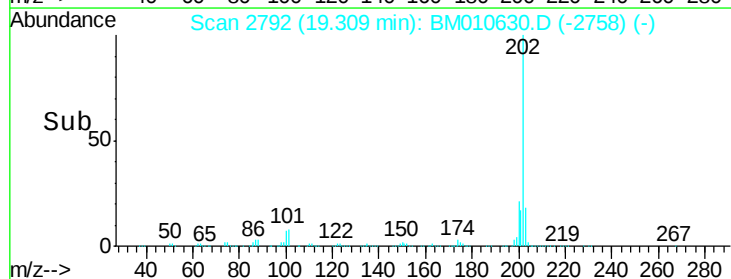
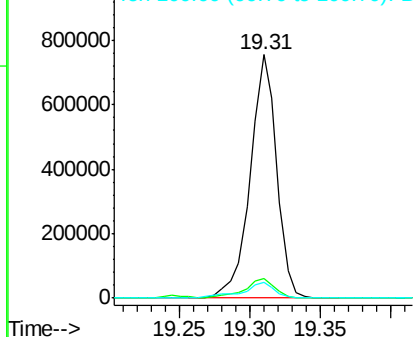
Lab File: BM010630.D

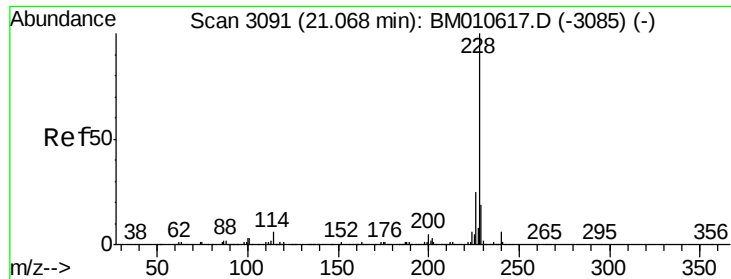
Acq: 21 Jun 2017 19:28

Tgt	Ion	202	Resp	997868
Ion	Ratio	Lower	Upper	
202	100			
101	8.1	5.1	7.7#	
100	6.6	4.9	7.3	



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





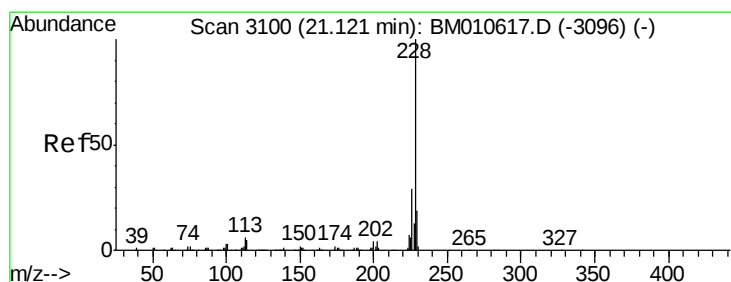
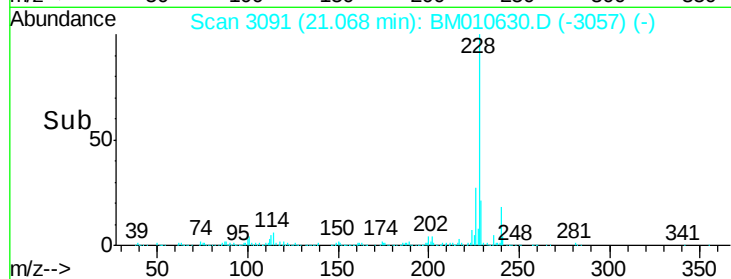
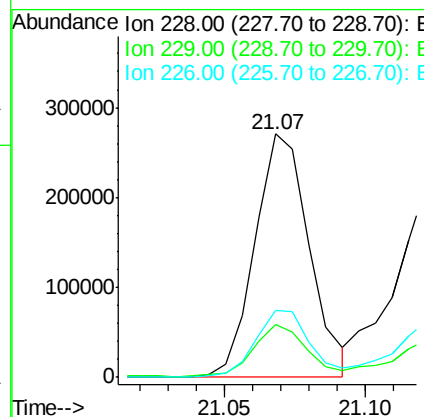
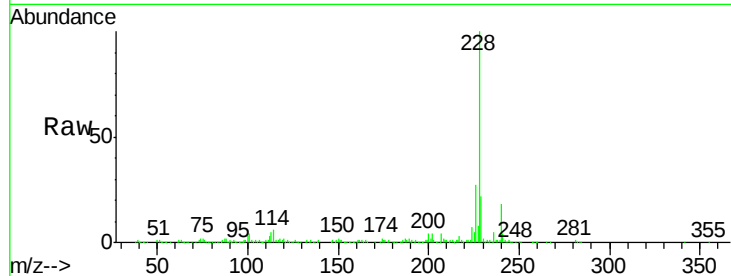
#80
Benzo(a)anthracene
Concen: 9.296 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Instrument :
BNA_M
ClientSampleId :
F5A90

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	359806		
229	21.7	15.4	23.0	
226	27.4	21.4	32.0	

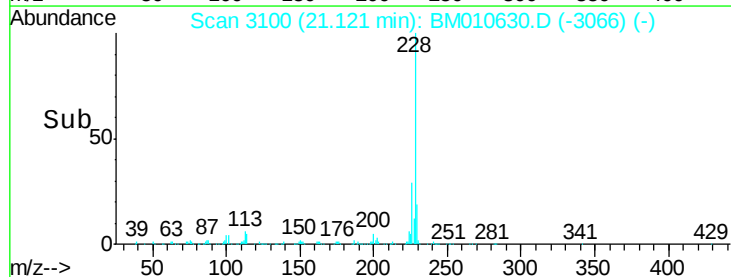
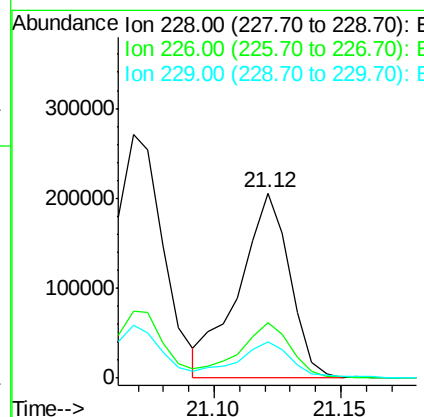
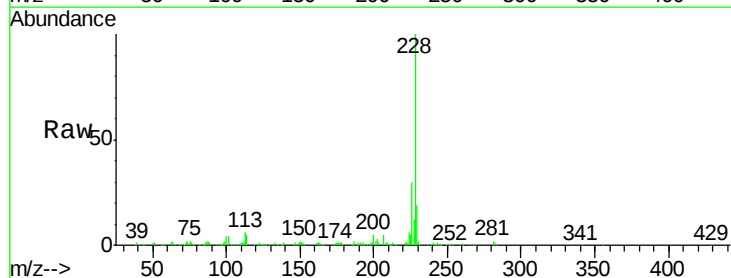
Manual Integrations
APPROVED

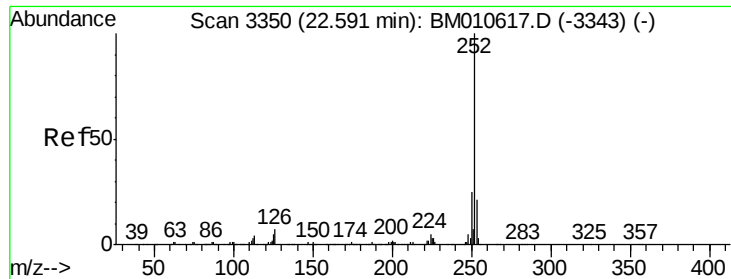
mohammad
6/22/2017 5:32:47 PM



#82
Chrysene
Concen: 8.251 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010630.D
Acq: 21 Jun 2017 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	284746		
226	29.6	23.4	35.2	
229	19.4	15.5	23.3	





#85

Benzo(b)fluoranthene

Concen: 5.102 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

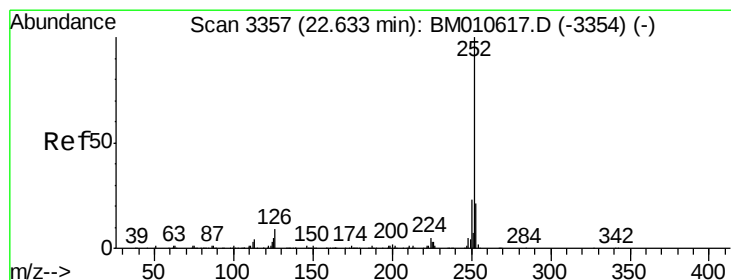
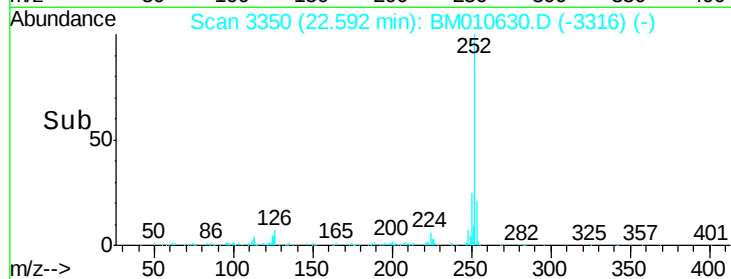
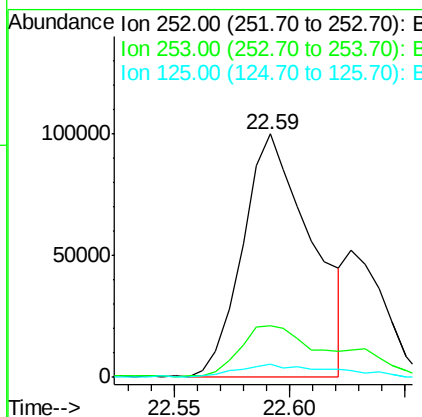
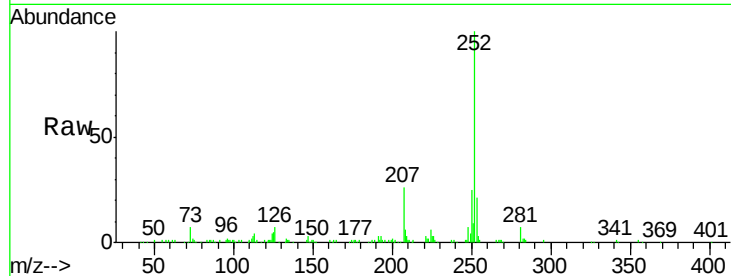
ClientSampled :

F5A90

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	205587		
253	21.0	17.9	26.9	
125	5.3	3.6	5.4	

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM



#86

Benzo(k)fluoranthene

Concen: 1.597 ng/ul m

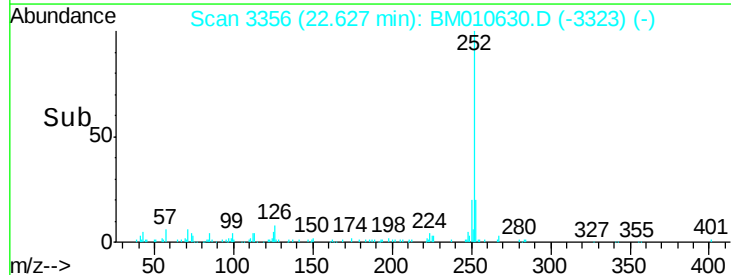
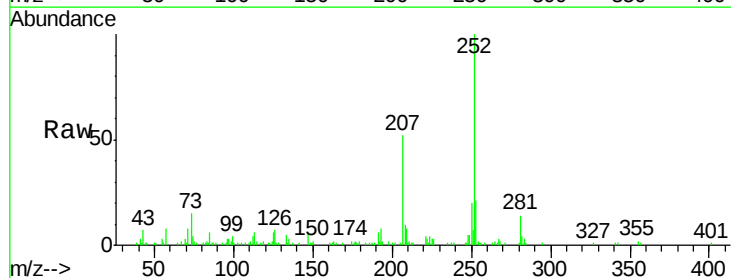
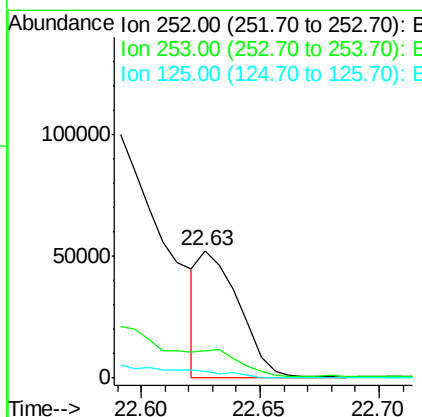
RT: 22.63 min Scan# 3356

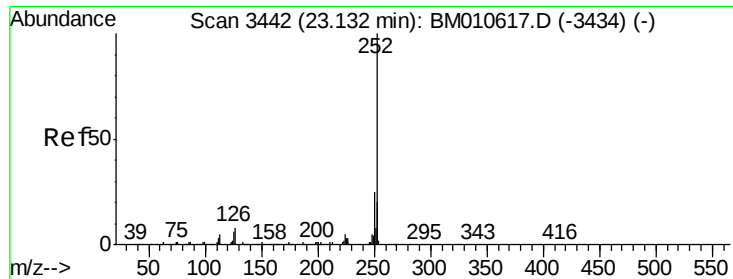
Delta R.T. -0.01 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	60988		
253	21.2	17.1	25.7	
125	5.6	3.4	5.2#	





#88

Benzo(a)pyrene

Concen: 2.891 ng/ul

RT: 23.13 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Instrument :

BNA_M

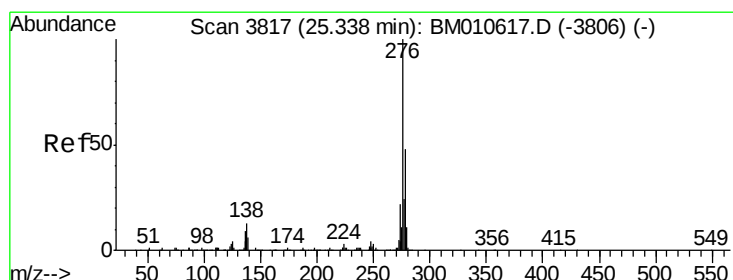
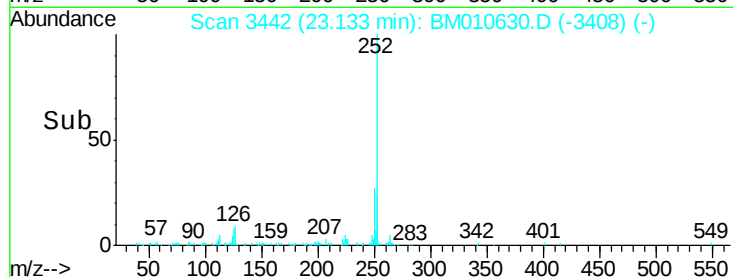
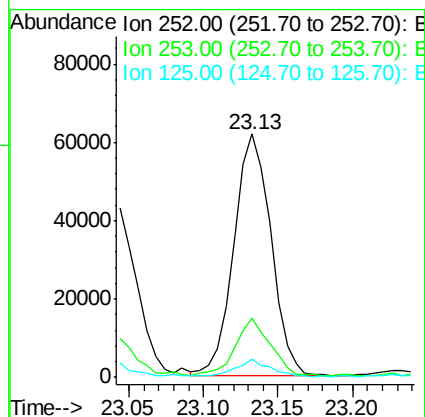
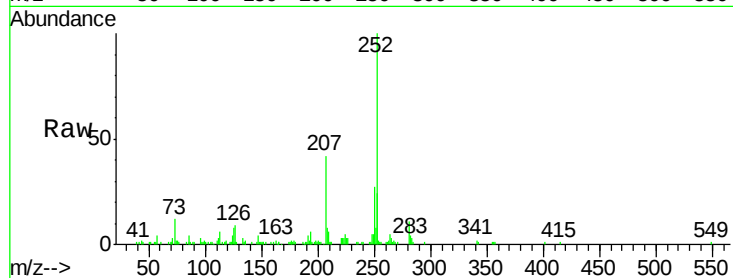
ClientSampleId :

F5A90

Tgt Ion:	252	Resp:	107236
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.2	27.2
125	7.8	4.0	6.0#

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:47 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.068 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.01 min

Lab File: BM010630.D

Acq: 21 Jun 2017 19:28

Tgt Ion:	276	Resp:	41107
Ion Ratio	Lower	Upper	
276	100		
138	14.7	9.3	13.9#
277	25.4	19.9	29.9

