

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
 Data File : BM010625.D
 Acq On : 21 Jun 2017 16:27
 Operator : SJ/JU
 Sample : I3653-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C52

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:32:38 PM

Quant Time: Jun 22 01:12:15 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	7.47	152	28400	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	123070	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	84735	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	222657	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	340262	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	358374	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1323	2.67	ng/uL	0.00
5) Phenol-d5	6.65	99	33579	12.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	21426	13.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	28068	14.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	28240	12.59	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	13588	15.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	14718	14.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	31284	14.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	16097	7.17	ng/ul	0.00
43) Dimethylphthalate-d6	13.54	166	128584	17.29	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	137049	15.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	17341	13.25	ng/ul	0.00
57) Fluorene-d10	15.12	176	107980	16.79	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	19051	13.93	ng/ul	0.00
70) Anthracene-d10	16.97	188	191829m	17.84	ng/ul	0.00
76) Pyrene-d10	19.28	212	260073	16.45	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	316209	18.26	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.27	128	234581	38.302	ng/ul	98
34) 2-Methylnaphthalene	11.90	142	75611	15.358	ng/ul	96
40) 1,1'-Biphenyl	12.94	154	35206	5.314	ng/ul	98
44) Dimethylphthalate	13.58	163	32337	4.435	ng/ul#	97
47) Acenaphthylene	13.83	152	11916	1.446	ng/ul#	89
49) Acenaphthene	14.18	153	156369	28.129	ng/ul	97
53) Dibenzofuran	14.52	168	193596	22.996	ng/ul	95
58) Fluorene	15.17	166	164028	23.271	ng/ul	94
69) Phenanthrene	16.92	178	1146454	96.851	ng/ul	98
71) Anthracene	17.00	178	171442	14.058	ng/ul	96
72) Carbazole	17.27	167	41506	3.901	ng/ul	96
74) Fluoranthene	18.94	202	932339	61.115	ng/ul	98
77) Pyrene	19.31	202	657848	33.472	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	294370	14.856	ng/ul	99
82) Chrysene	21.12	228	230716	13.059	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	262340	11.277	ng/ul#	97
86) Benzo(k)fluoranthene	22.63	252	75743m	3.434	ng/ul	
88) Benzo(a)pyrene	23.13	252	164345	7.674	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	80525	3.625	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.34	278	23155	1.251	ng/ul	94
91) Benzo(g,h,i)perylene	25.98	276	57222	3.236	ng/ul#	95

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010625.D
Acq On : 21 Jun 2017 16:27
Operator : SJ/JU
Sample : I3653-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C52

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM

Quant Time: Jun 22 01:12:15 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)

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

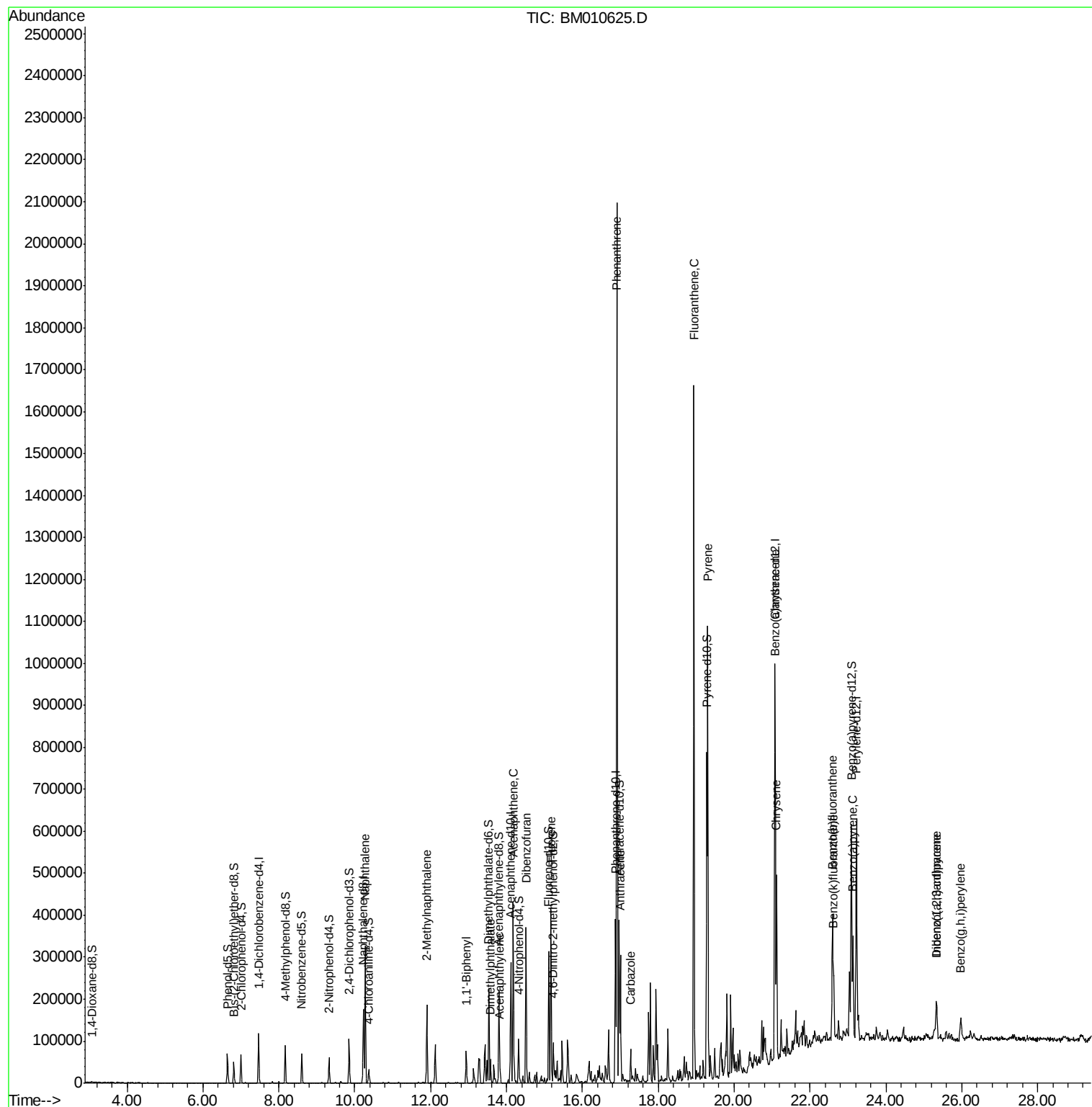
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Data File : BM010625.D
Acq On : 21 Jun 2017 16:27
Operator : SJ/JU
Sample : I3653-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

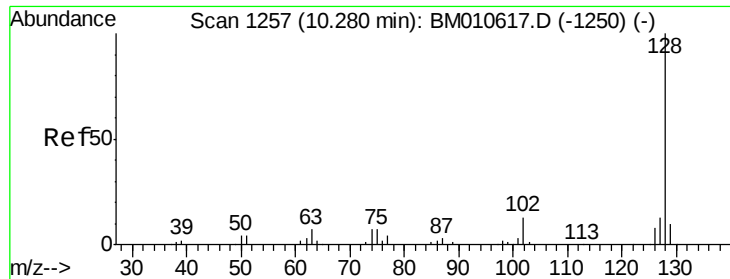
Instrument :
BNA_M
ClientSampleId :
F5C52

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM

Quant Time: Jun 22 01:12:15 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





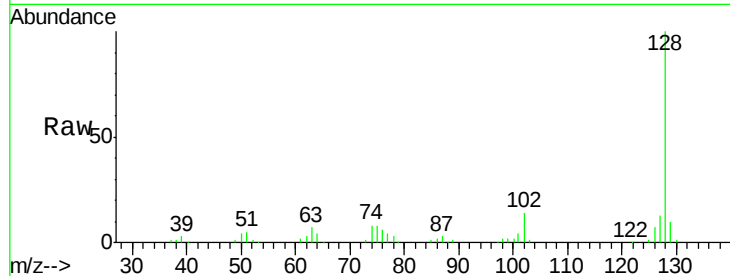
#28
Naphthalene
Concen: 38.302 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5C52

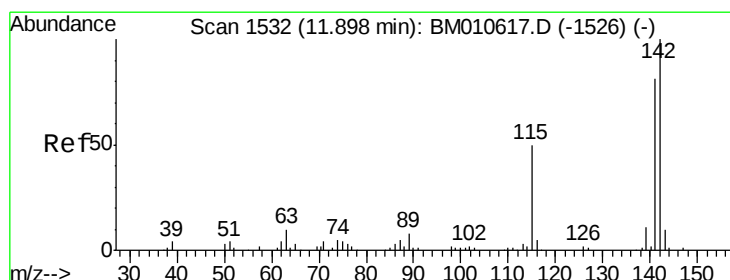
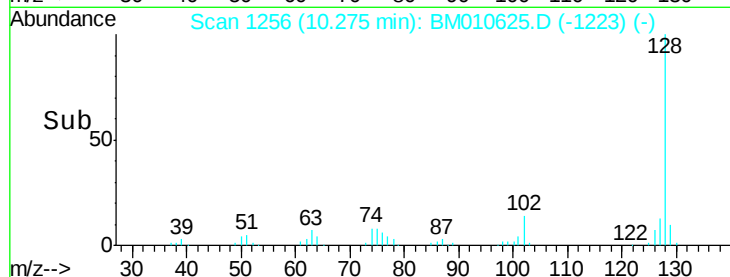
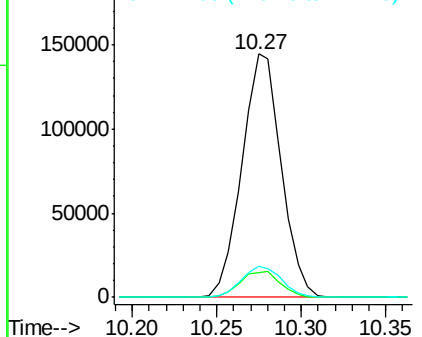
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	234581		
129	10.1		8.8	13.2
127	13.0		10.6	16.0

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM

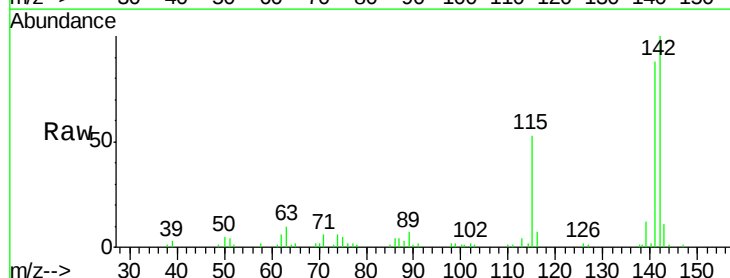


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

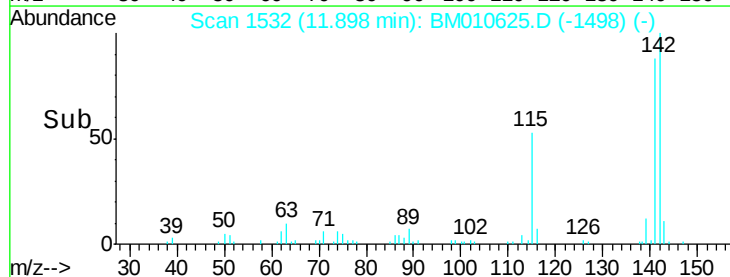
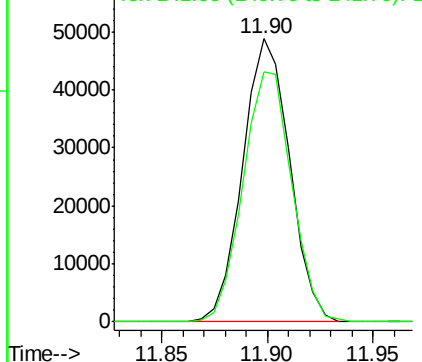


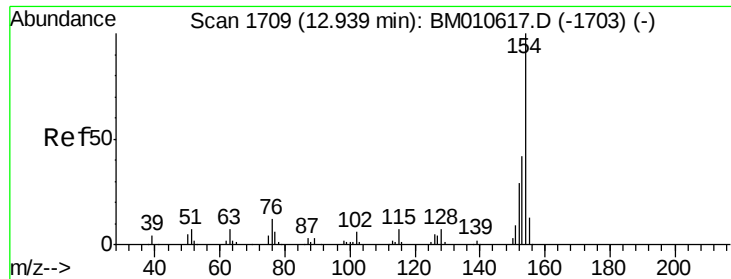
#34
2-Methylnaphthalene
Concen: 15.358 ng/ul
RT: 11.90 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	75611		
141	88.4		74.1	111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





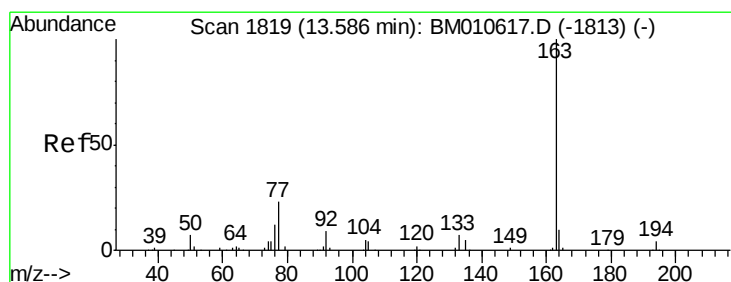
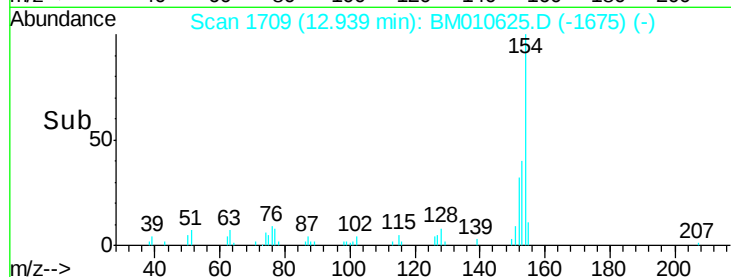
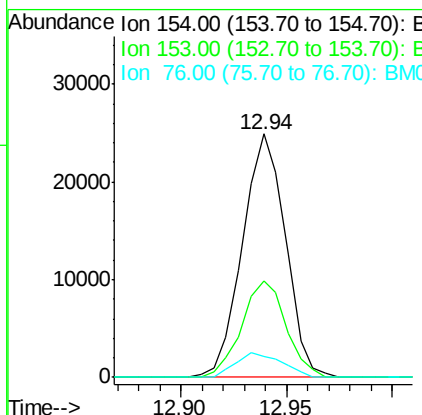
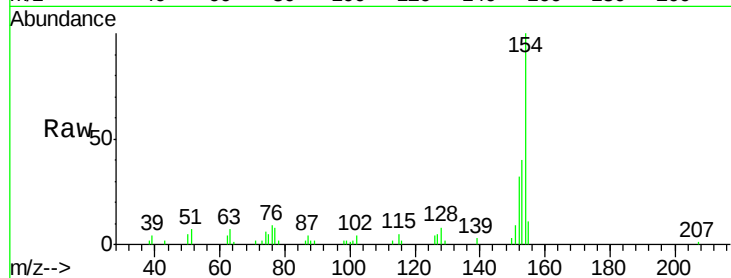
#40
1,1'-Biphenyl
Concen: 5.314 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5C52

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.6	32.6	48.8
76	8.6	8.5	12.7

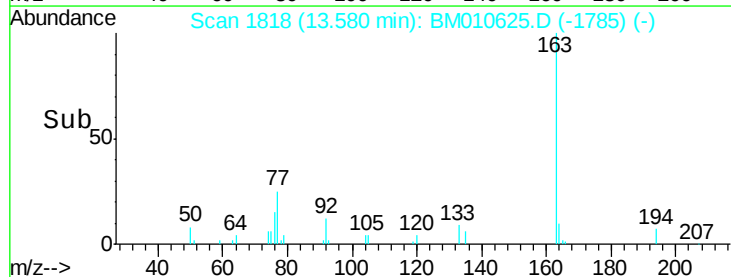
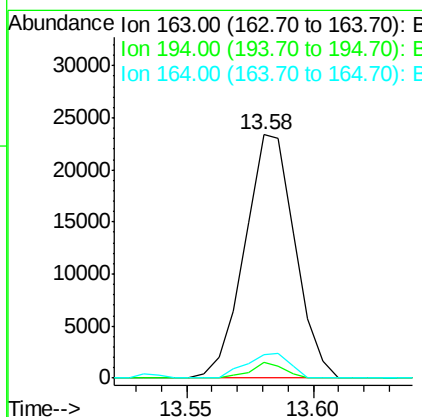
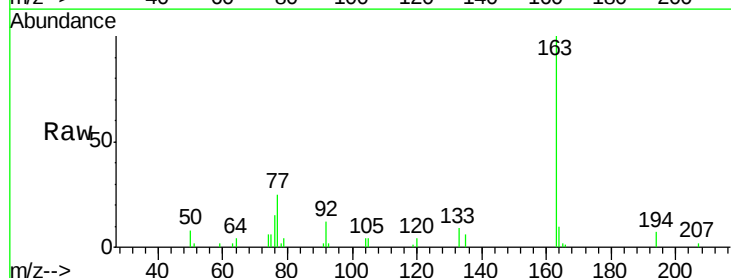
Manual Integrations
APPROVED

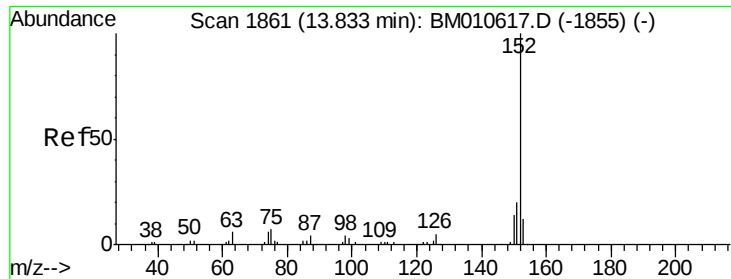
mohammad
6/22/2017 5:32:38 PM



#44
Dimethylphthalate
Concen: 4.435 ng/ul
RT: 13.58 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.6	3.5	5.3#
164	9.6	8.2	12.4





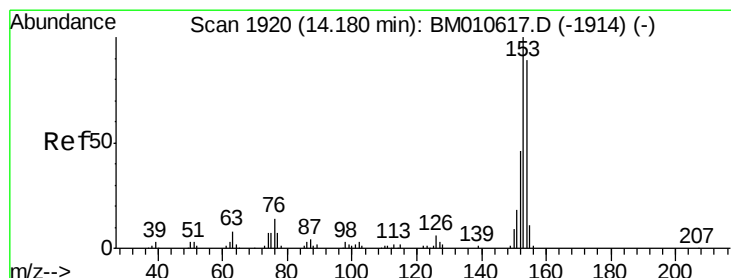
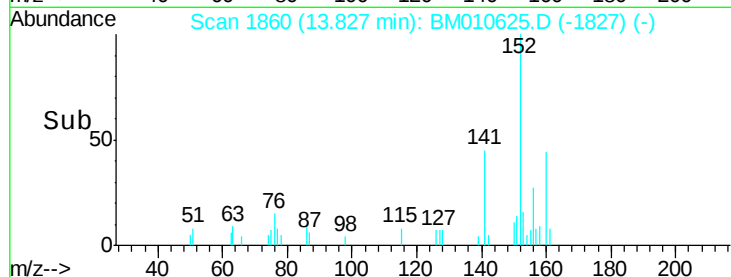
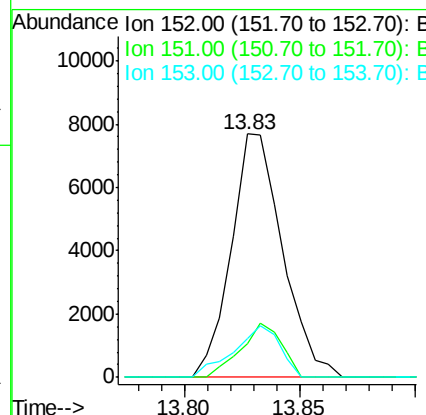
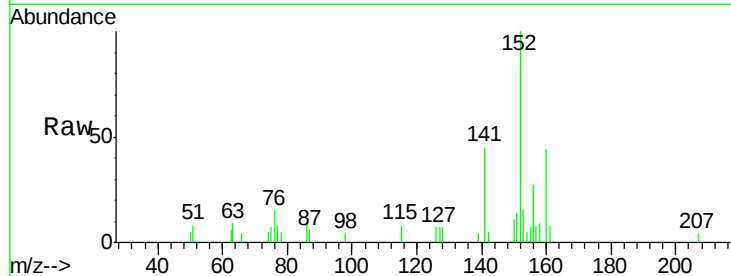
#47
Acenaphthylene
Concen: 1.446 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampled :
F5C52

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	11916		
151	14.1	16.3	24.5#	
153	15.9	10.2	15.4#	

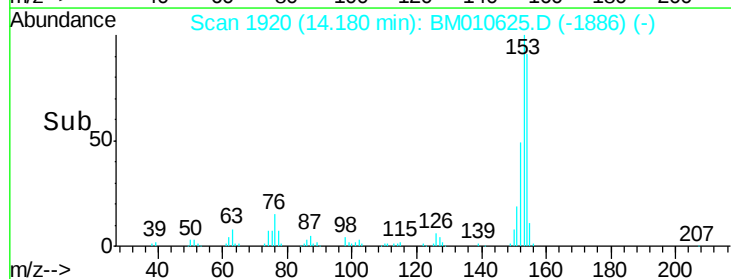
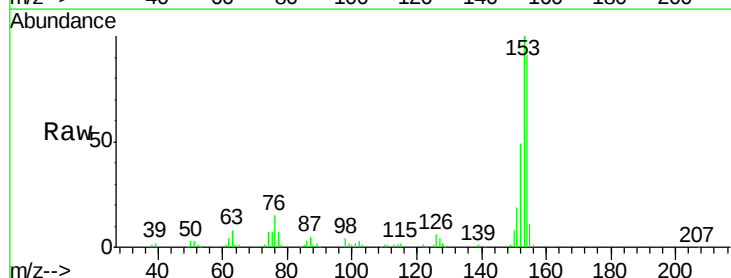
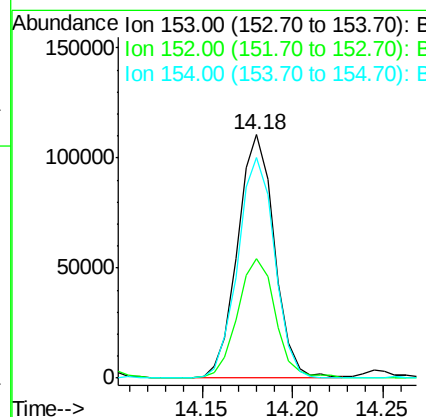
Manual Integrations
APPROVED

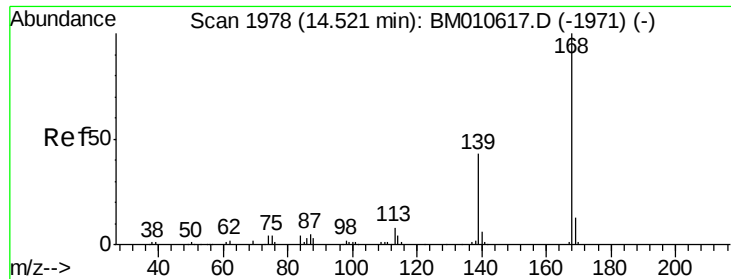
mohammad
6/22/2017 5:32:38 PM



#49
Acenaphthene
Concen: 28.129 ng/ul
RT: 14.18 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	156369		
152	48.8	37.6	56.4	
154	90.7	70.4	105.6	





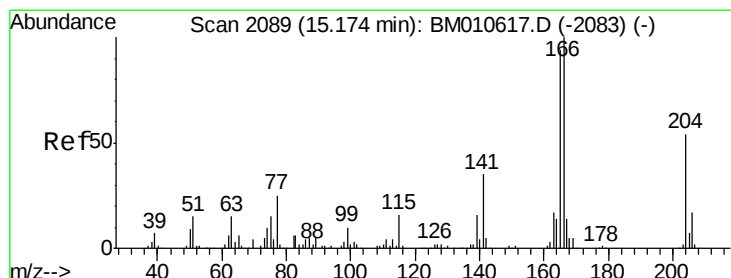
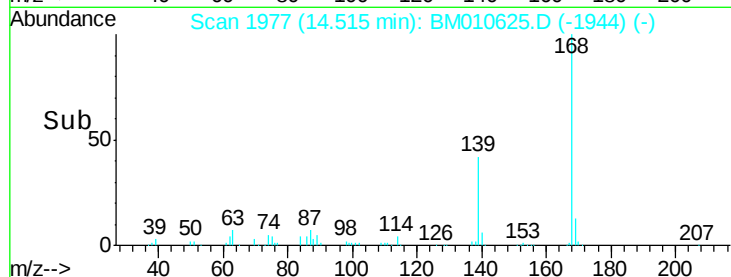
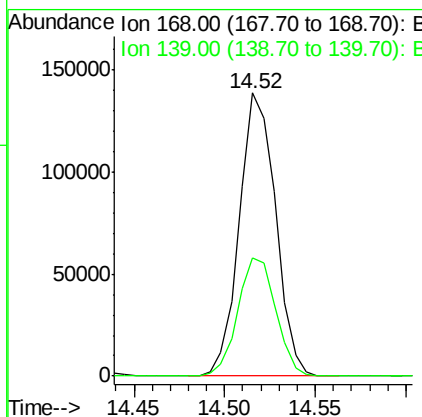
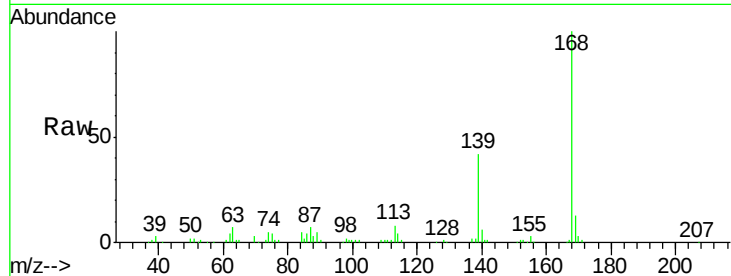
#53
Dibenzenofuran
Concen: 22.996 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5C52

Tgt Ion:168 Resp: 193596
Ion Ratio Lower Upper
168 100
139 41.8 30.8 46.2

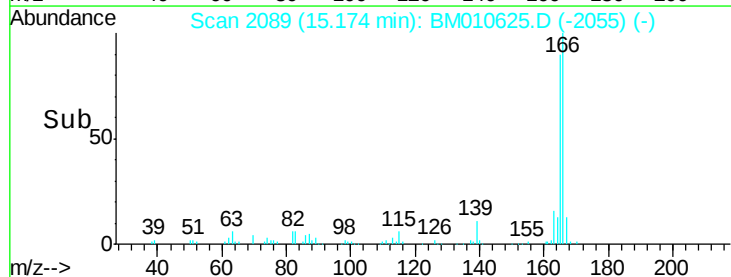
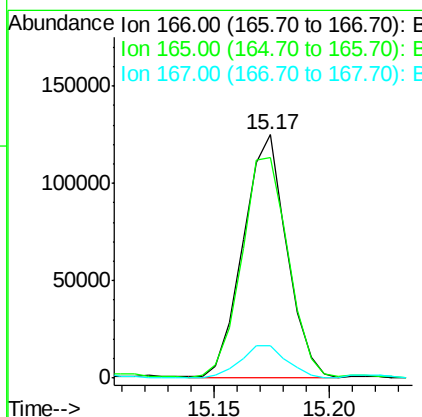
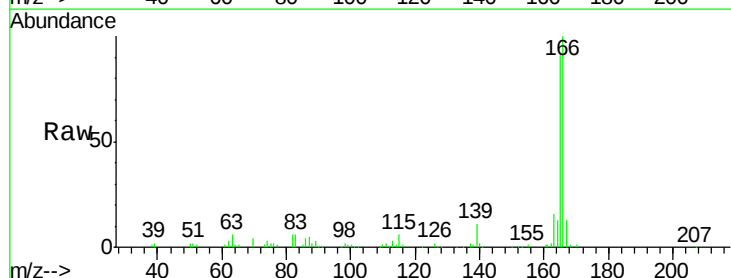
Manual Integrations
APPROVED

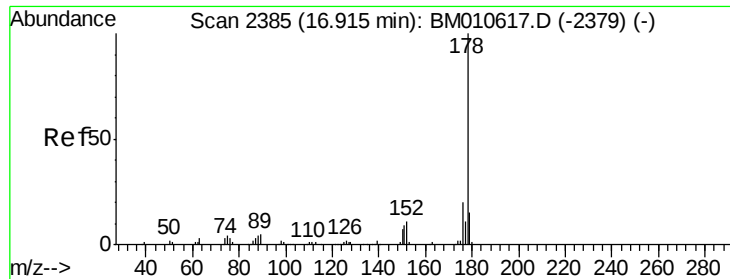
mohammad
6/22/2017 5:32:38 PM



#58
Fluorene
Concen: 23.271 ng/ul
RT: 15.17 min Scan# 2089
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion:166 Resp: 164028
Ion Ratio Lower Upper
166 100
165 90.5 77.9 116.9
167 13.1 10.6 16.0





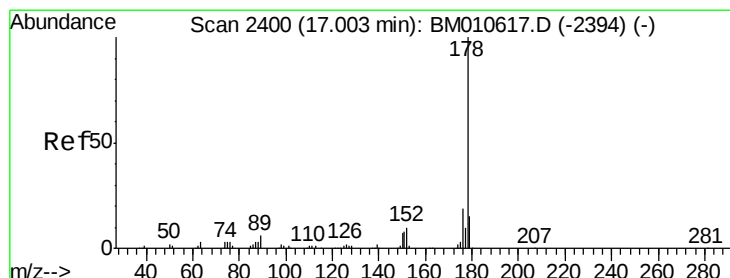
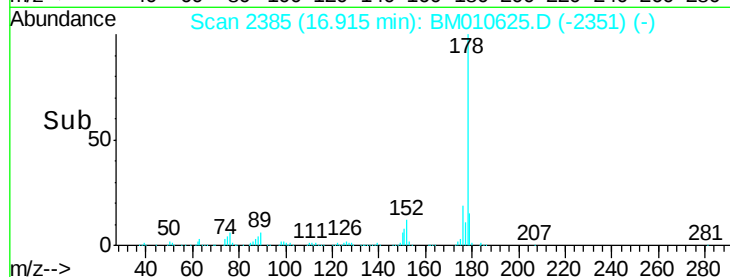
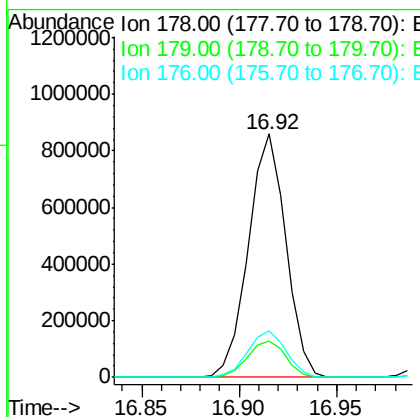
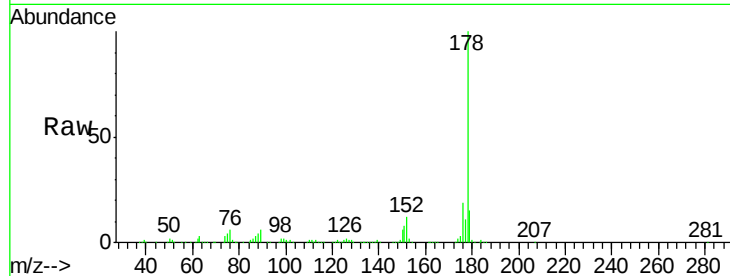
#69
Phenanthrene
Concen: 96.851 ng/ul
RT: 16.92 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampled :
F5C52

Tgt Ion:178 Resp: 1146454
Ion Ratio Lower Upper
178 100
179 14.8 12.6 19.0
176 19.1 14.9 22.3

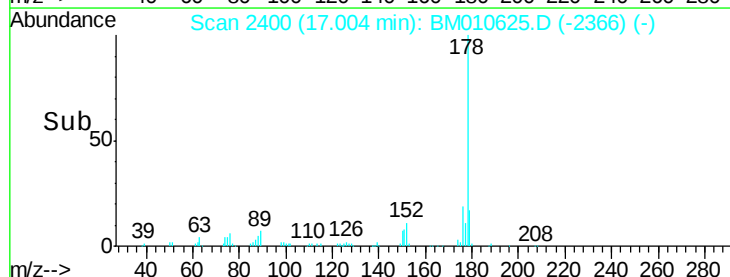
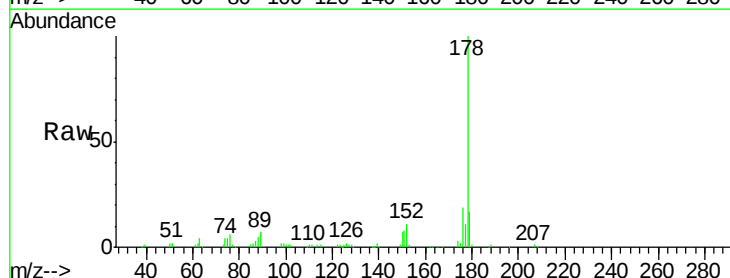
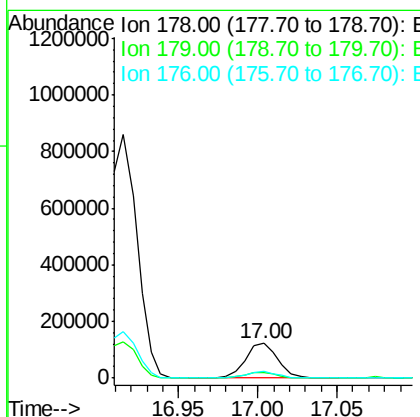
Manual Integrations
APPROVED

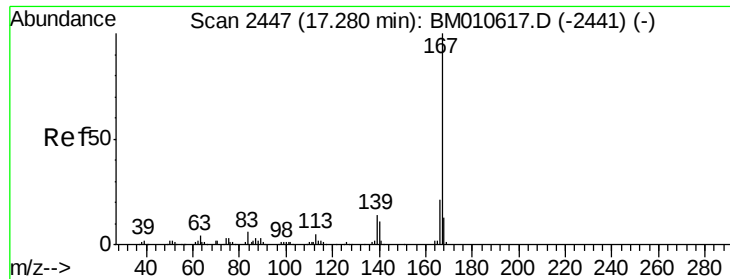
mohammad
6/22/2017 5:32:38 PM



#71
Anthracene
Concen: 14.058 ng/ul
RT: 17.00 min Scan# 2400
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion:178 Resp: 171442
Ion Ratio Lower Upper
178 100
179 17.0 11.7 17.5
176 19.0 14.6 21.8





#72

Carbazole

Concen: 3.901 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

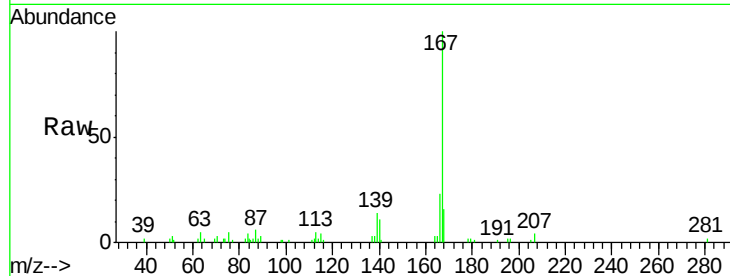
ClientSampleId :

F5C52

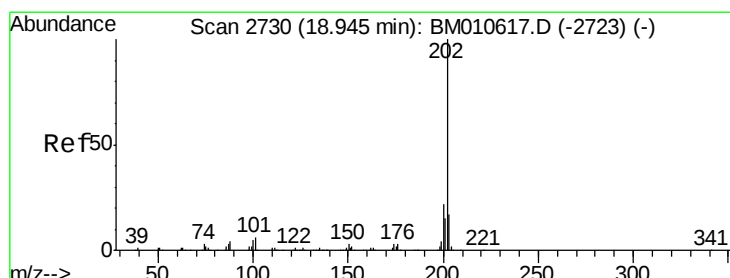
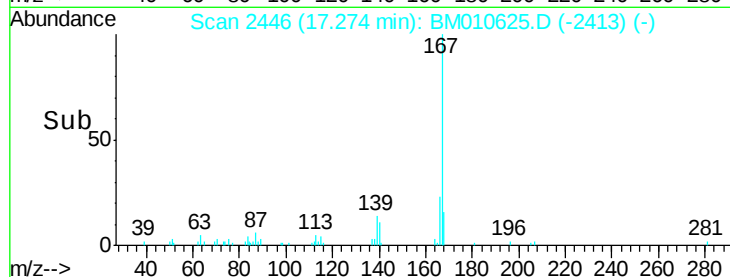
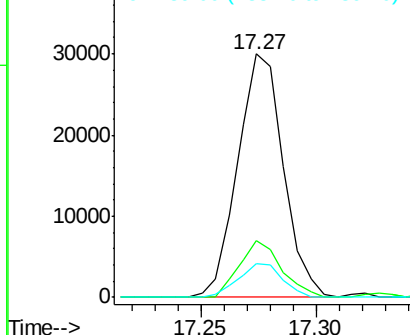
Tgt Ion:	167	Resp:	41506
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.1	25.7
139	13.6	10.0	15.0

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 61.115 ng/ul

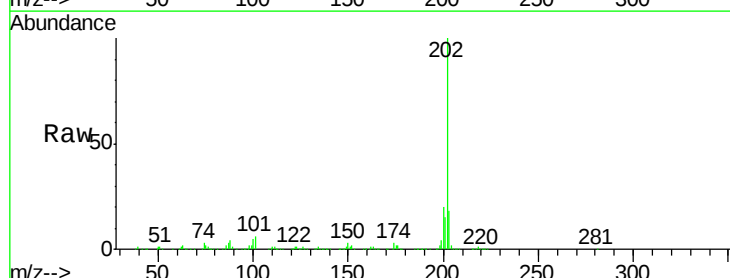
RT: 18.94 min Scan# 2730

Delta R.T. 0.00 min

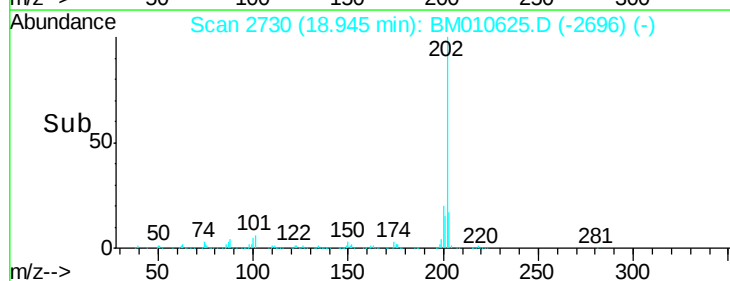
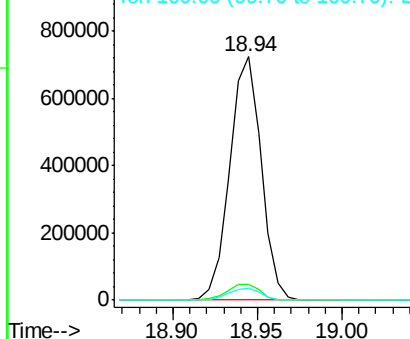
Lab File: BM010625.D

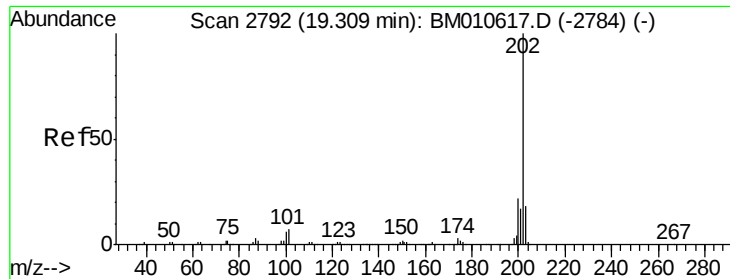
Acq: 21 Jun 2017 16:27

Tgt Ion:	202	Resp:	932339
Ion Ratio	Lower	Upper	
202	100		
101	6.3	4.6	7.0
100	4.9	3.4	5.2



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: 33.472 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

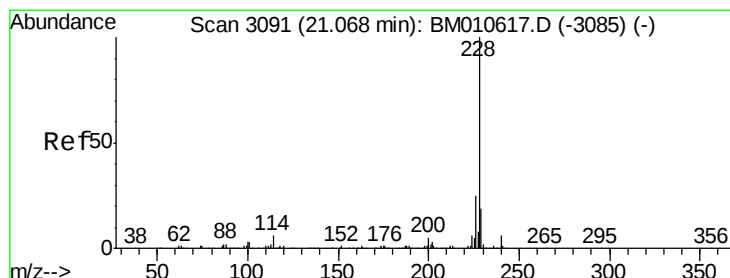
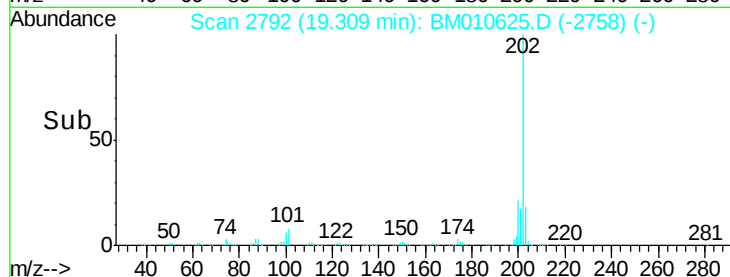
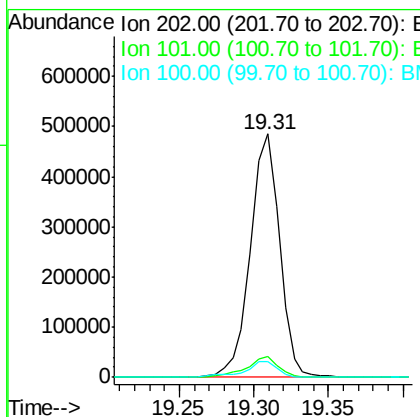
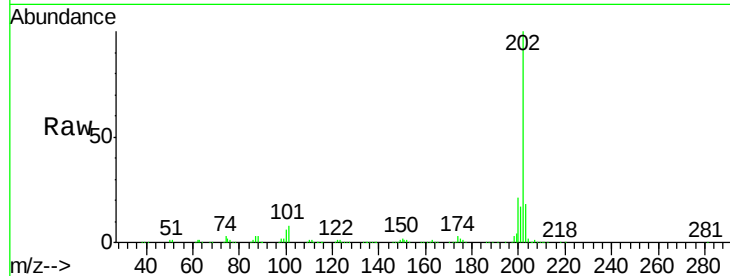
ClientSampleId :

F5C52

Tgt	Ion	202	Resp:	657848
Ion	Ratio	Lower	Upper	
202	100			
101	8.4	5.1	7.7#	
100	6.3	4.9	7.3	

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM



#80

Benzo(a)anthracene

Concen: 14.856 ng/ul

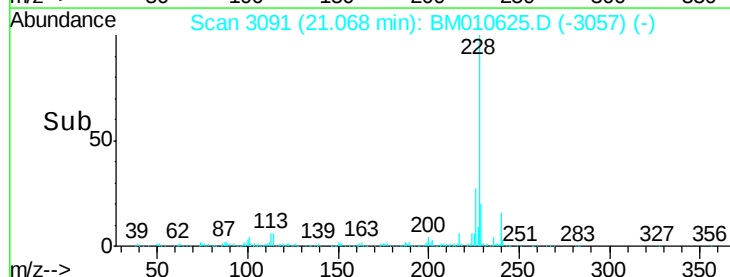
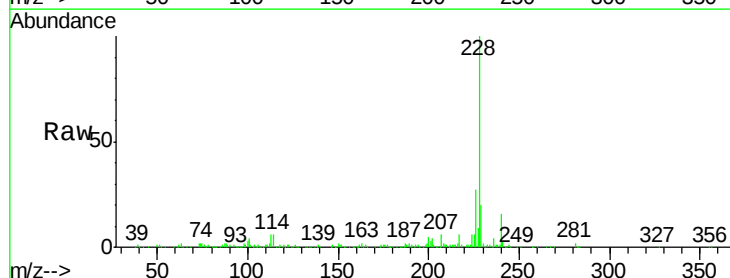
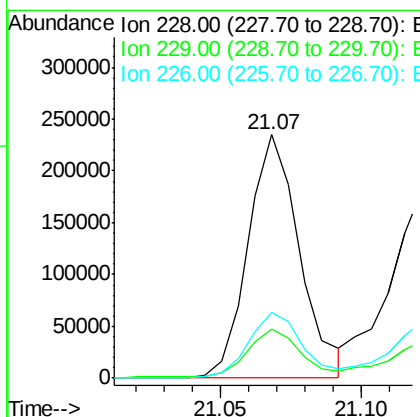
RT: 21.07 min Scan# 3091

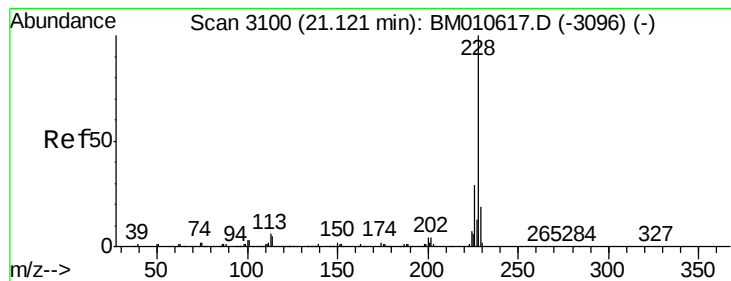
Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Tgt	Ion	228	Resp:	294370
Ion	Ratio	Lower	Upper	
228	100			
229	20.2	15.4	23.0	
226	27.0	21.4	32.0	





#82

Chrysene

Concen: 13.059 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Instrument :

BNA_M

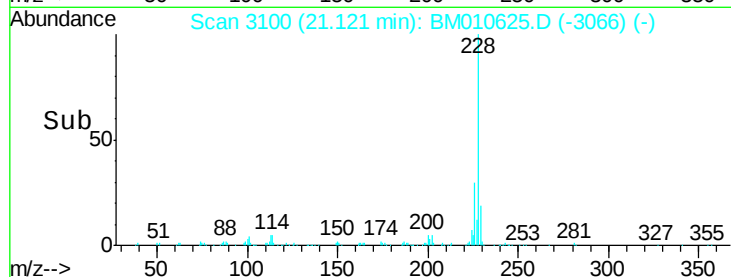
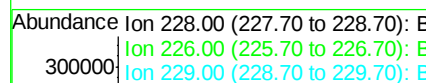
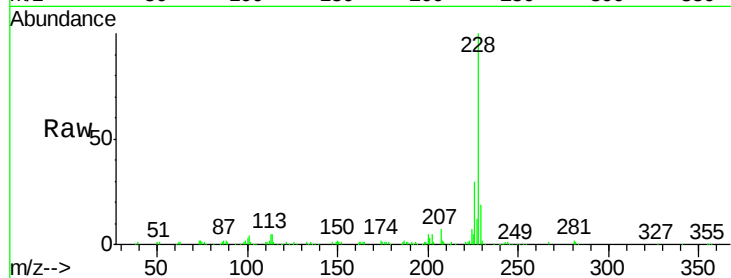
ClientSampleId :

F5C52

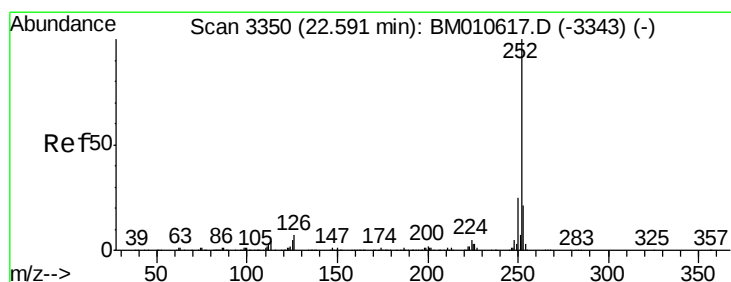
Tgt Ion:	228	Resp:	230716
Ion Ratio		Lower	Upper
228	100		
226	30.1	23.4	35.2
229	19.2	15.5	23.3

Manual Integrations
APPROVED

mohammad
6/22/2017 5:32:38 PM



Time-->



#85

Benzo(b)fluoranthene

Concen: 11.277 ng/ul

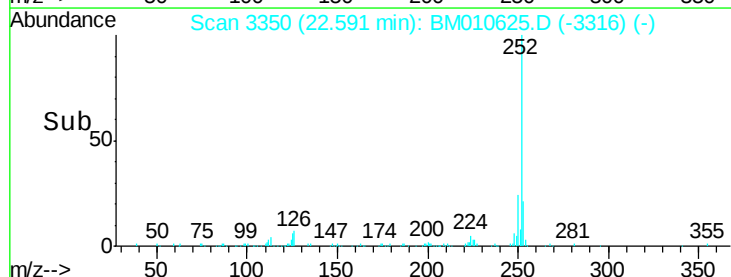
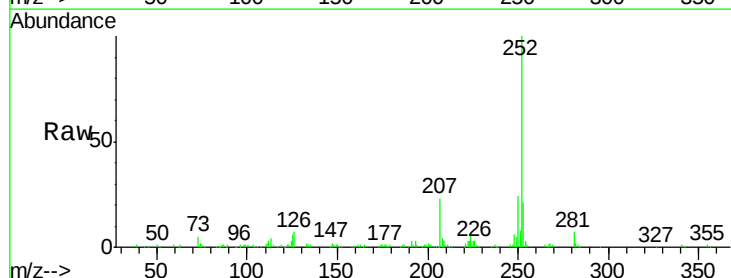
RT: 22.59 min Scan# 3350

Delta R.T. 0.00 min

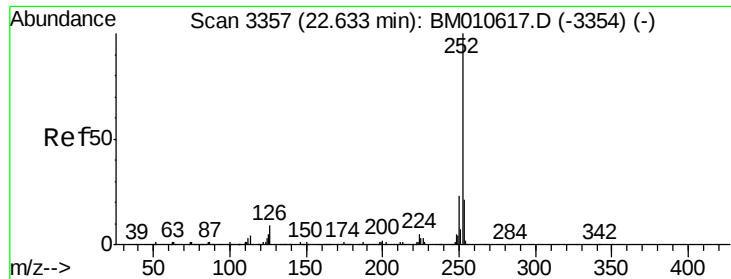
Lab File: BM010625.D

Acq: 21 Jun 2017 16:27

Tgt Ion:	252	Resp:	262340
Ion Ratio		Lower	Upper
252	100		
253	21.4	17.9	26.9
125	6.0	3.6	5.4



Time-->



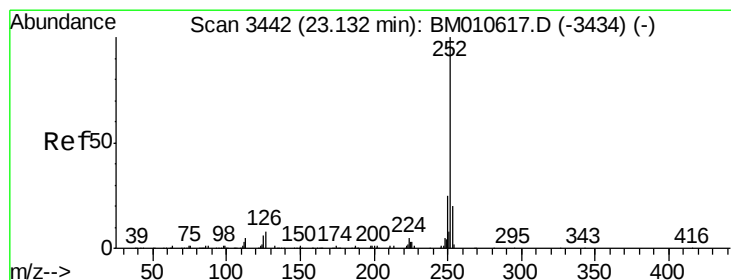
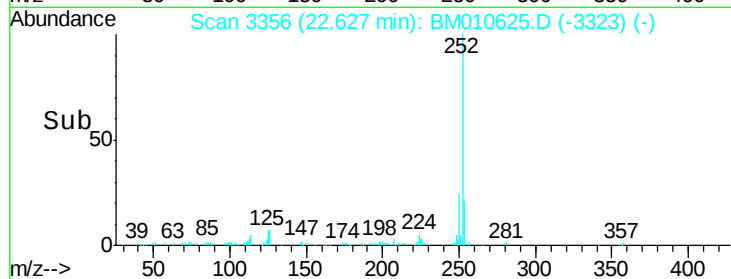
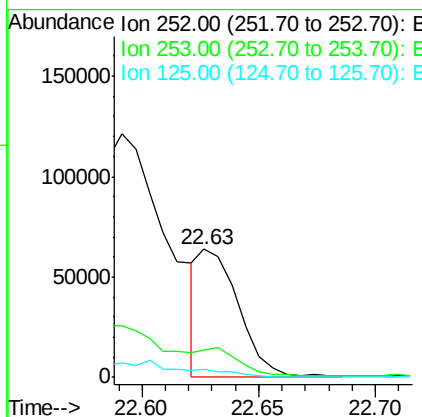
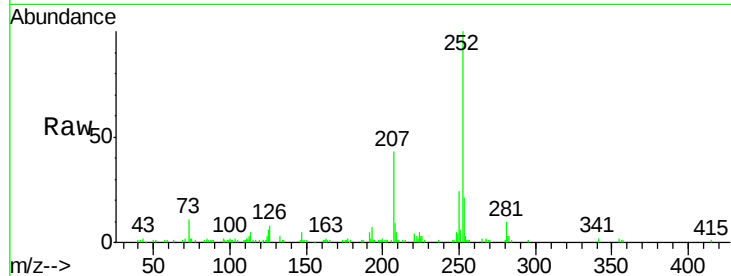
#86
Benzo(k)fluoranthene
Concen: 3.434 ng/u1 m
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5C52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	6.5	3.4	5.2

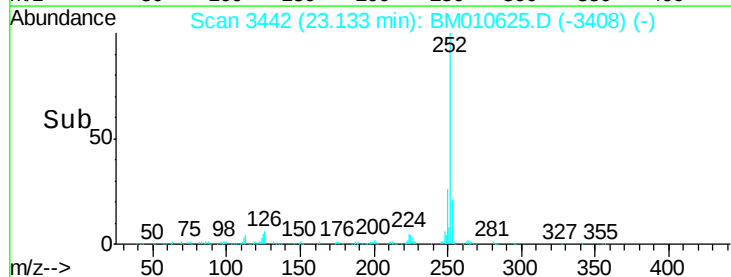
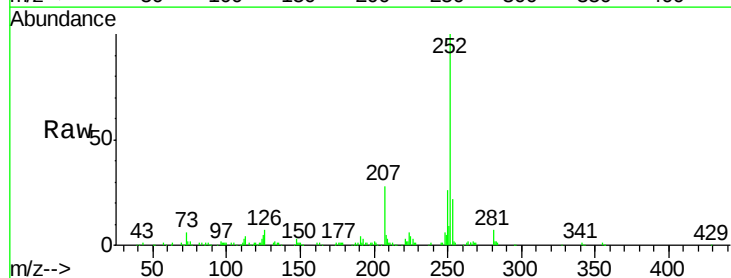
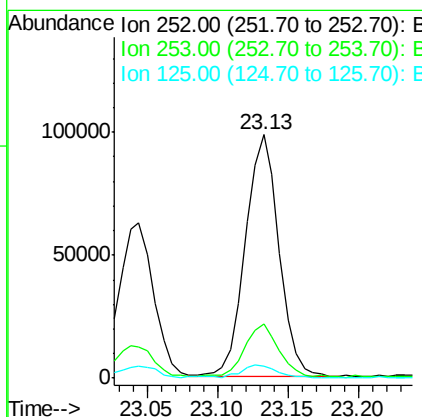
Manual Integrations
APPROVED

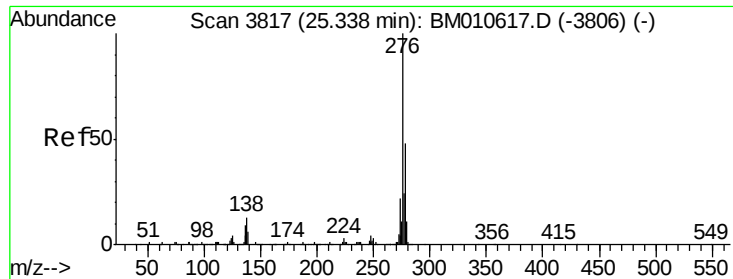
mohammad
6/22/2017 5:32:38 PM



#88
Benzo(a)pyrene
Concen: 7.674 ng/u1
RT: 23.13 min Scan# 3442
Delta R.T. 0.00 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	5.0	4.0	6.0





#89

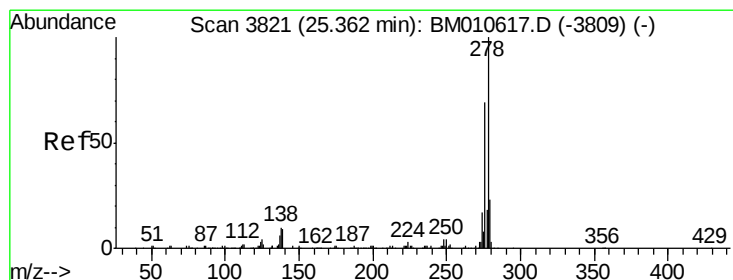
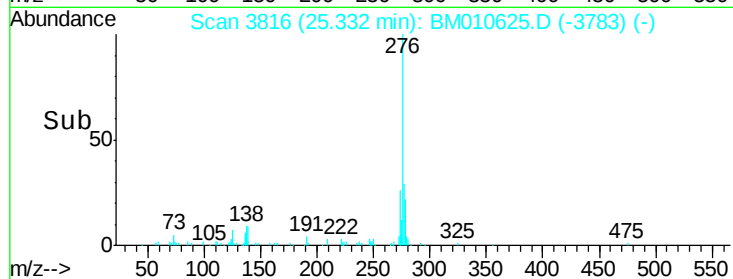
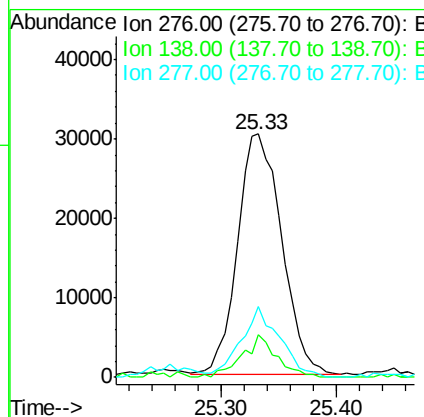
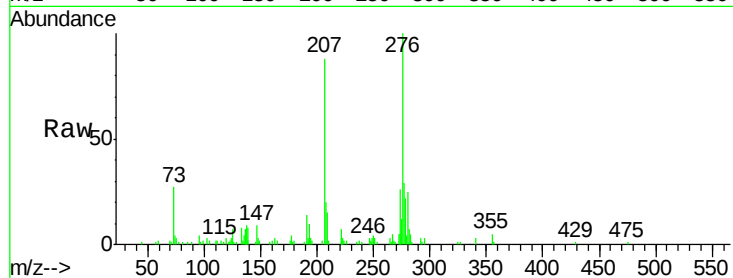
Indeno(1,2,3-cd)pyrene
Concen: 3.625 ng/ul
RT: 25.33 min Scan# 3816
Delta R.T. -0.01 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Instrument :
BNA_M
ClientSampleId :
F5C52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	9.3	13.9#
277	29.0	19.9	29.9

Manual Integrations
APPROVED

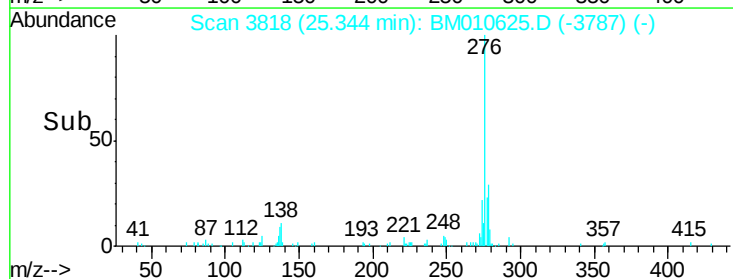
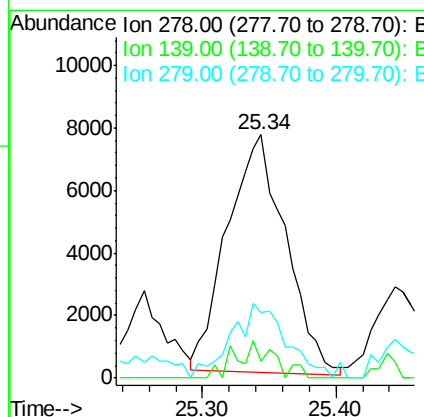
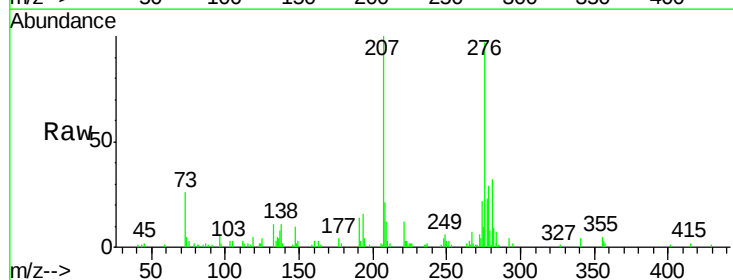
mohammad
6/22/2017 5:32:38 PM

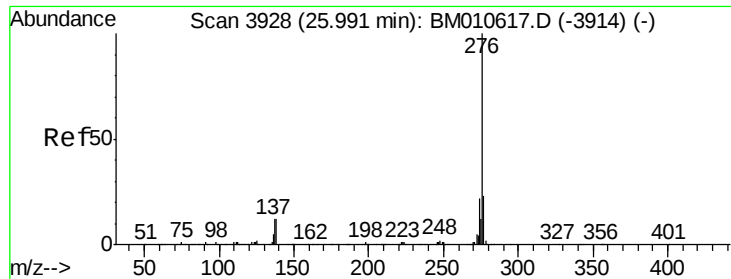


#90

Dibenzo(a,h)anthracene
Concen: 1.251 ng/ul
RT: 25.34 min Scan# 3818
Delta R.T. -0.02 min
Lab File: BM010625.D
Acq: 21 Jun 2017 16:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	6.8	5.8	8.8
279	26.8	18.6	27.8





#91
 Benzo(g,h,i)perylene
 Concen: 3.236 ng/ul
 RT: 25.98 min Scan# 3926
 Delta R.T. -0.01 min
 Lab File: BM010625.D
 Acq: 21 Jun 2017 16:27

Instrument :
 BNA_M
 ClientSampleId :
 F5C52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.7	8.5	12.7#
277	21.3	18.6	28.0

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:32:38 PM

