

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091360.D
 Acq On : 14 Jan 2016 20:52
 Operator : UM/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Manual Integrations
 APPROVED

mohammad
 1/15/2016 3:39:13 PM

Quant Time: Jan 14 23:00:08 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 22:47:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	27829	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	128308	5.00	ng	0.00
8) Acenaphthene-d10	13.35	164	64138	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	179197	5.00	ng	0.00
18) Chrysene-d12	20.21	240	206692	5.00	ng	0.00
24) Perylene-d12	22.10	264	166558	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.93	112	6298	1.14	ng	-0.01
3) Phenol-d6	6.55	99	10065	1.47	ng	-0.02
5) Nitrobenzene-d5	8.15	82	15235	2.17	ng	-0.01
9) 2,4,6-Tribromophenol	14.88	330	2343	1.20	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	27917	1.64	ng	0.00
20) Terphenyl-d14	18.61	244	43941	1.74	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	9.59	128	54024	1.94	ng	100
7) 2-Methylnaphthalene	11.12	142	21937	1.42	ng	97
11) Acenaphthylene	13.10	152	182918	1.75	ng	99
12) Acenaphthene	13.42	154	36709	2.11	ng	89
13) Fluorene	14.40	166	49991	2.36	ng	97
15) Phenanthrene	16.11	178	91667	2.00	ng	99
16) Anthracene	16.20	178	71341	1.79	ng	100
17) Fluoranthene	18.09	202	82312	1.56	ng	100
19) Pyrene	18.47	202	64721	1.28	ng	99
21) Benzo(a)anthracene	20.19	228	58407	1.27	ng	99
22) Chrysene	20.25	228	99854	1.62	ng	100
23) Indeno(1,2,3-cd)pyrene	23.69	276	75349m	1.56	ng	
25) Benzo(b)fluoranthene	21.55	252	61926	1.73	ng	99
26) Benzo(k)fluoranthene	21.58	252	84863	1.74	ng	99
27) Benzo(a)pyrene	22.00	252	70415	2.07	ng	99
28) Dibenzo(a,h)anthracene	23.65	278	48575	1.51	ng	100
29) Benzo(g,h,i)perylene	24.25	276	60819	1.71	ng	98

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

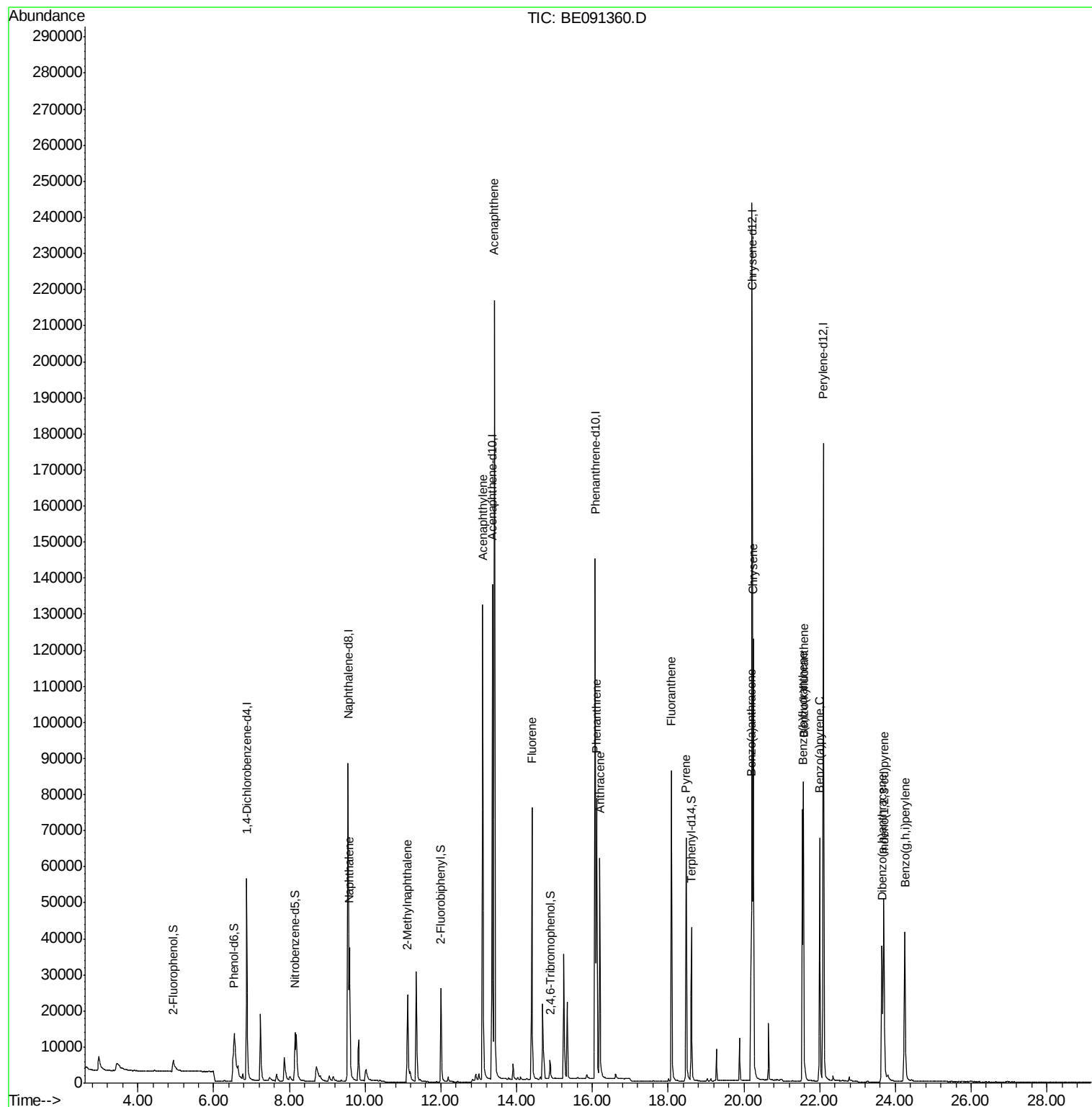
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091360.D
Acq On : 14 Jan 2016 20:52
Operator : UM/IZ
Sample : SSTDIC002
Misc :
ALS Vial : 8 Sample Multiplier: 1

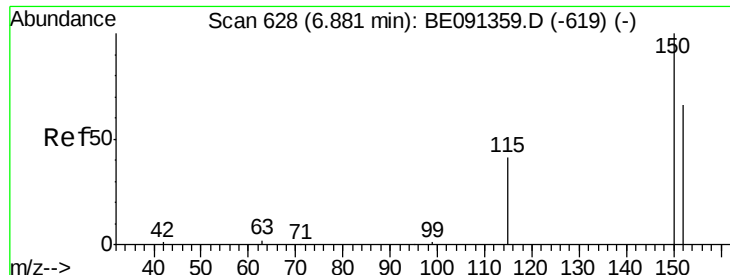
Instrument :
BNA_E
ClientSampleId :
SSTDIC002

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM

Quant Time: Jan 14 23:00:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 22:47:32 2016
Response via : Initial Calibration





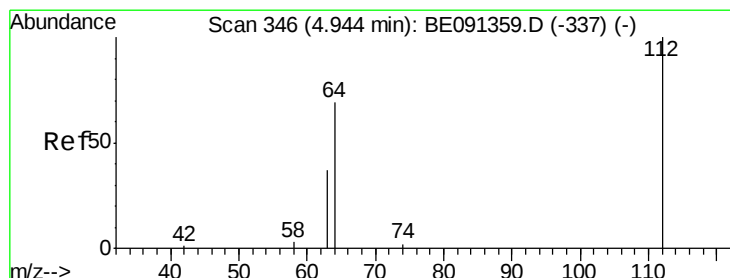
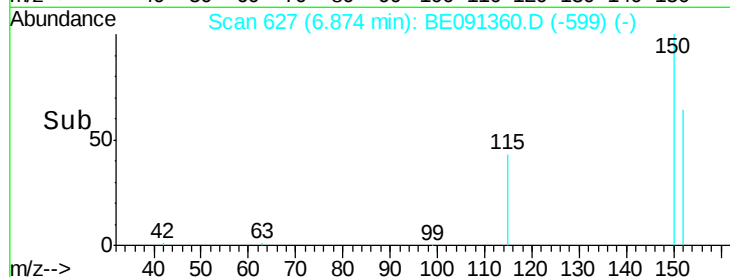
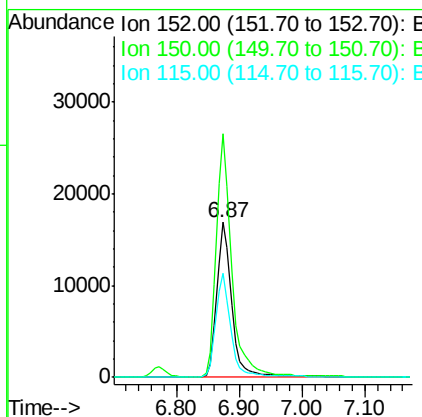
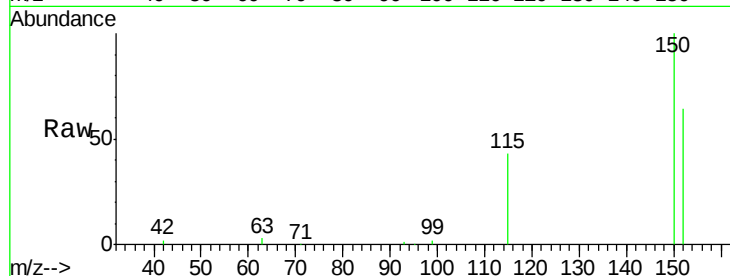
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	121.6	182.4
115	67.1	50.6	75.8

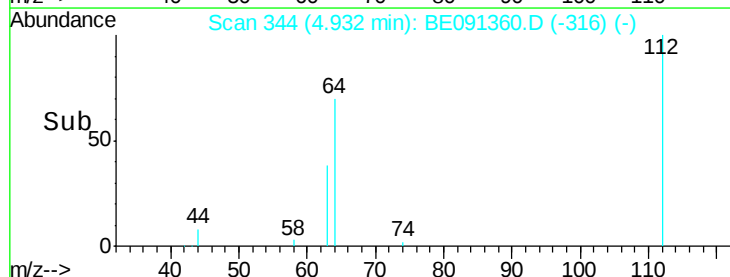
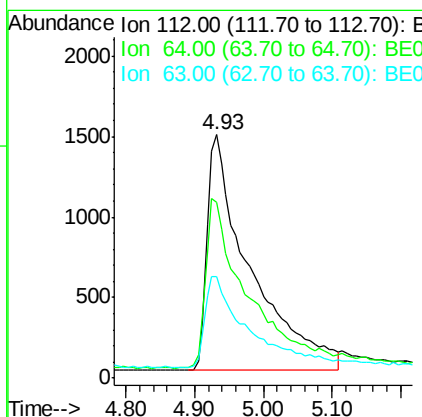
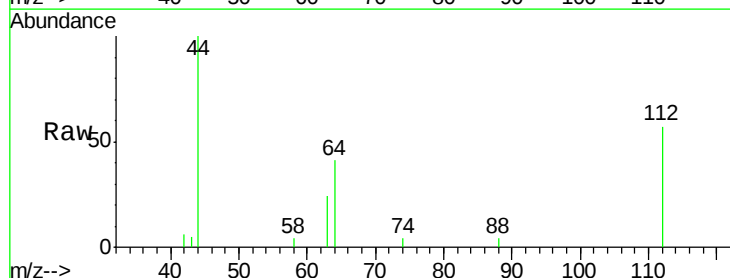
Manual Integrations
 APPROVED

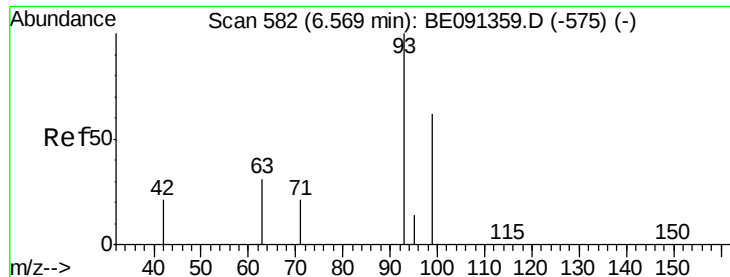
mohammad
 1/15/2016 3:39:13 PM



#2
 2-Fluorophenol
 Concen: 1.14 ng
 RT: 4.93 min Scan# 344
 Delta R.T. -0.01 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	57.4	86.0
63	39.0	32.2	48.2





#3

Phenol-d6

Concen: 1.47 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

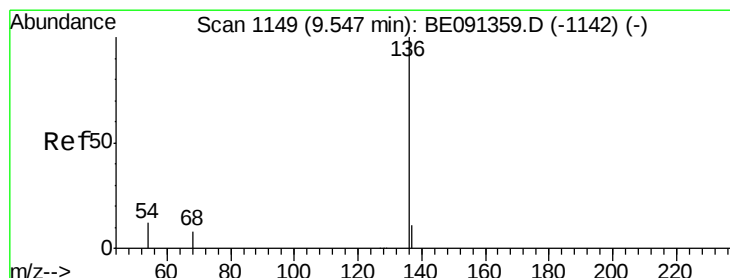
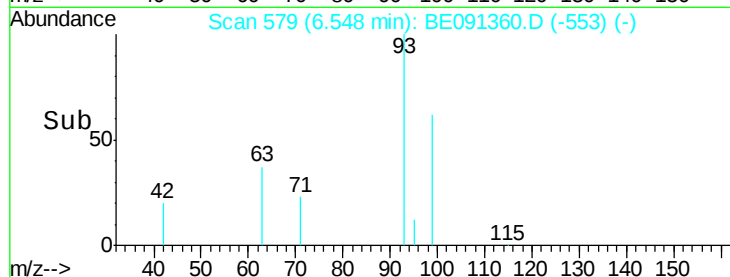
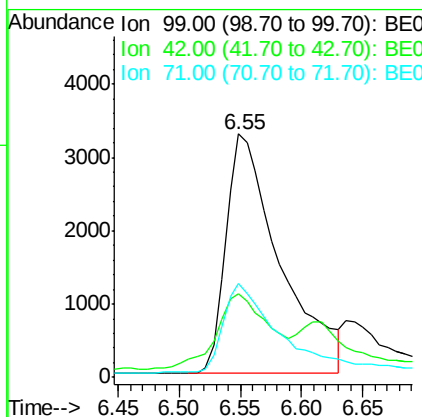
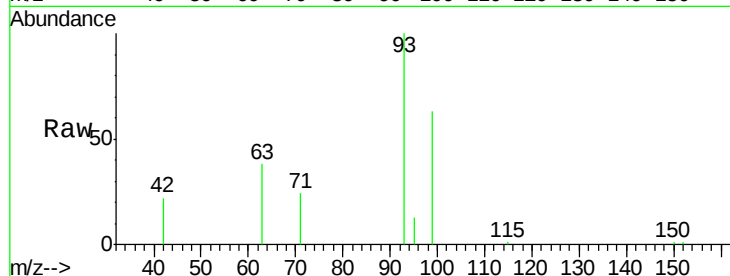
ClientSampleId :

SSTDICC002

Tgt Ion:	99	Resp:	10065
Ion Ratio	Lower	Upper	
99	100		
42	30.1	22.9	34.3
71	40.9	35.4	53.2

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#4

Naphthalene-d8

Concen: 5.00 ng

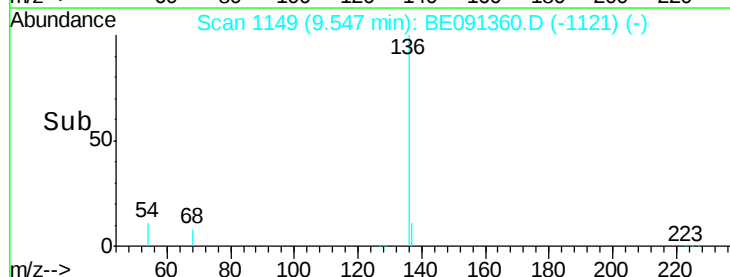
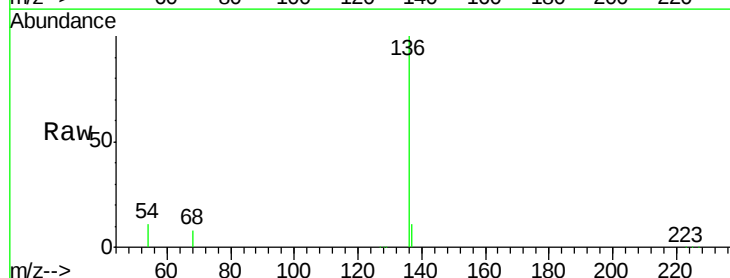
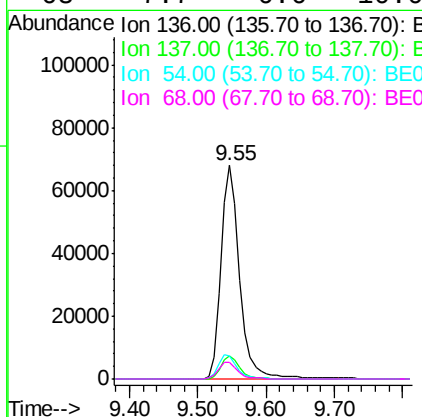
RT: 9.55 min Scan# 1149

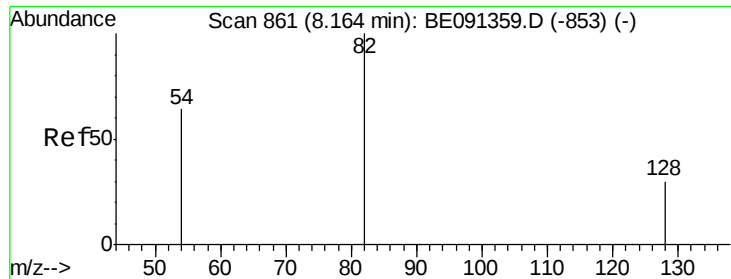
Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	136	Resp:	128308
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	11.1	9.8	14.6
68	7.7	6.6	10.0





#5

Nitrobenzene-d5

Concen: 2.17 ng

RT: 8.15 min Scan# 858

Delta R.T. -0.01 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

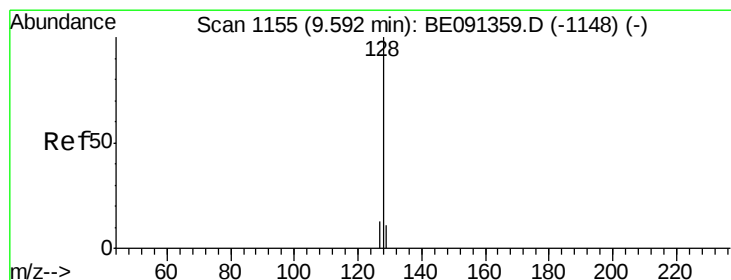
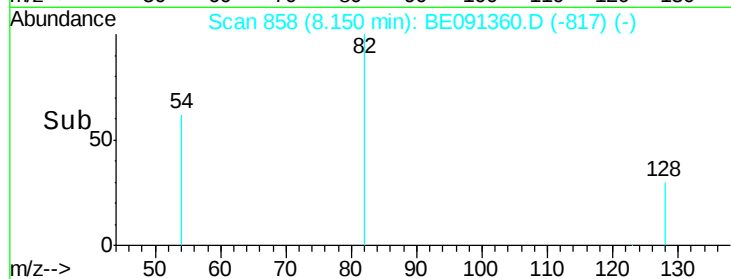
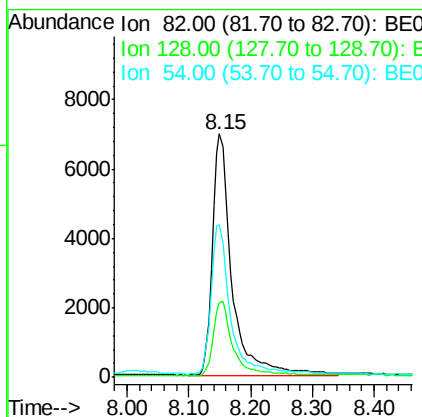
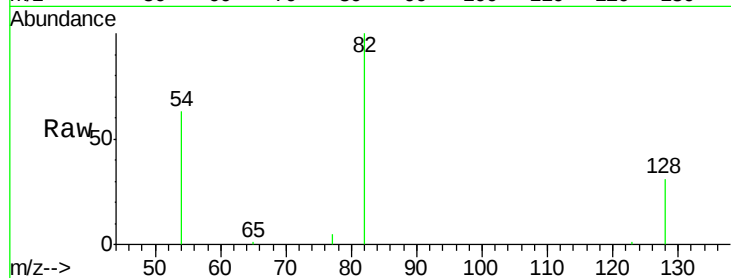
ClientSampleId :

SSTDICC002

Tgt Ion:	82	Resp:	15235
Ion Ratio	Lower	Upper	
82	100		
128	30.8	24.6	36.8
54	62.8	52.7	79.1

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#6

Naphthalene

Concen: 1.94 ng

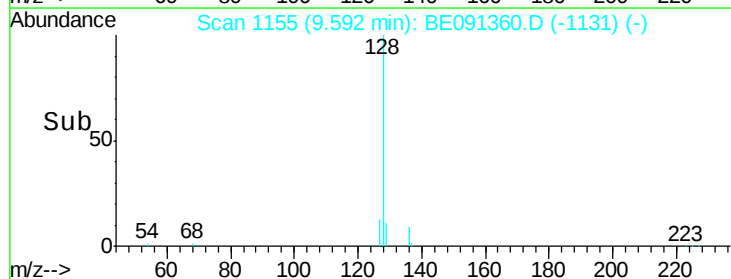
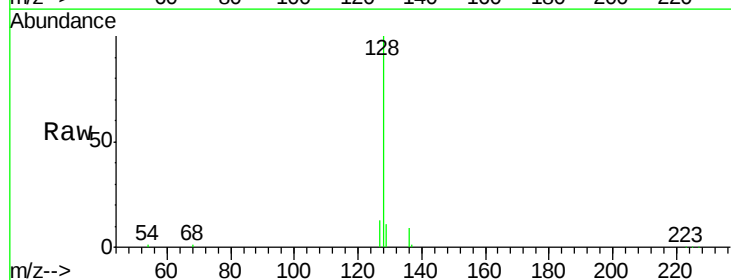
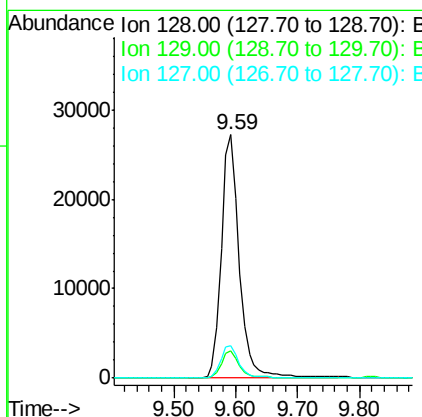
RT: 9.59 min Scan# 1155

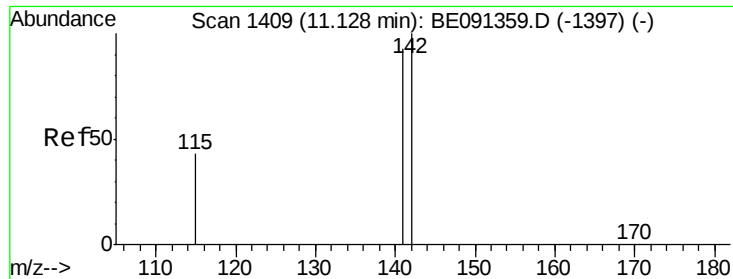
Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	128	Resp:	54024
Ion Ratio	Lower	Upper	
128	100		
129	11.4	9.3	13.9
127	13.2	10.6	15.8





#7

2-Methylnaphthalene

Concen: 1.42 ng

RT: 11.12 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

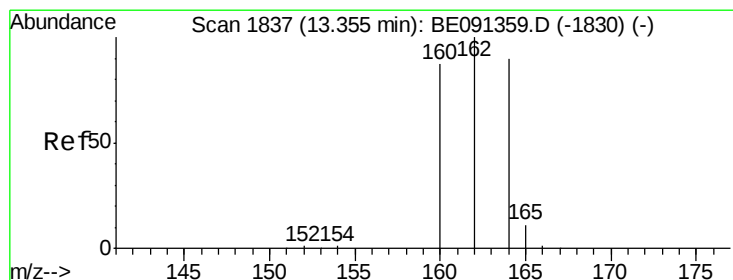
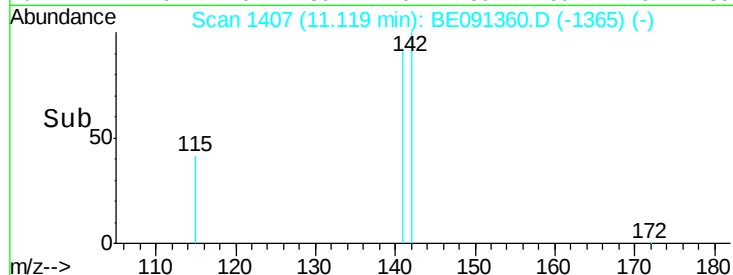
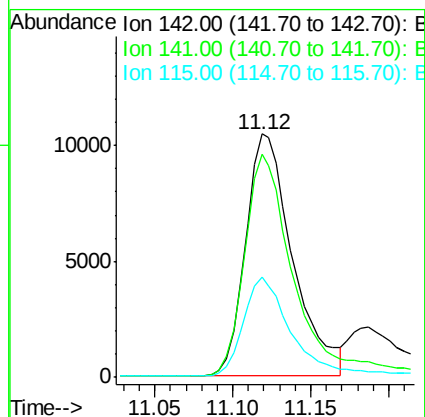
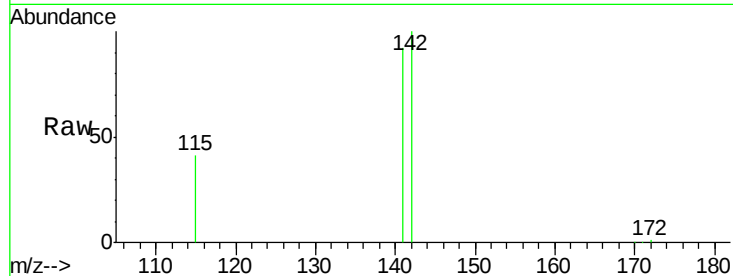
ClientSampleId :

SSTDICC002

Tgt Ion:	142	Resp:	21937
Ion Ratio	Lower	Upper	
142	100		
141	91.6	74.5	111.7
115	41.1	35.2	52.8

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#8

Acenaphthene-d10

Concen: 5.00 ng

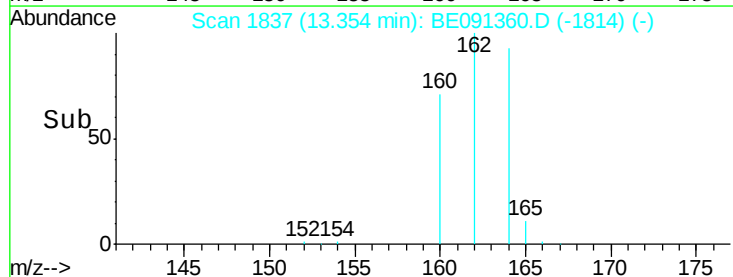
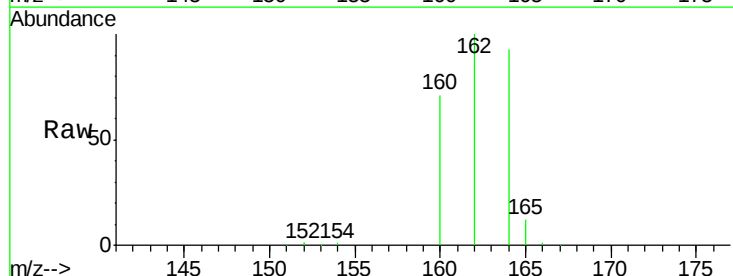
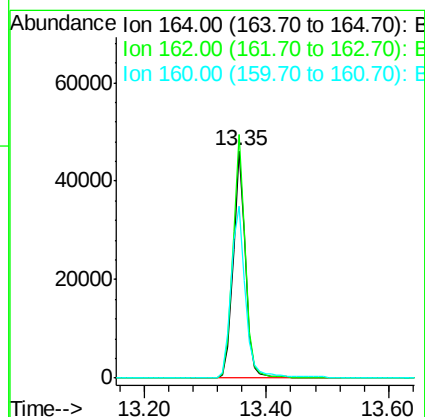
RT: 13.35 min Scan# 1837

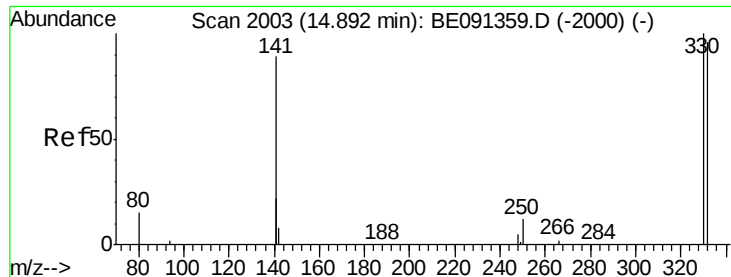
Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	164	Resp:	64138
Ion Ratio	Lower	Upper	
164	100		
162	107.0	88.5	132.7
160	75.5	76.7	115.1#





#9

2,4,6-Tribromophenol

Concen: 1.20 ng

RT: 14.88 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091360.D

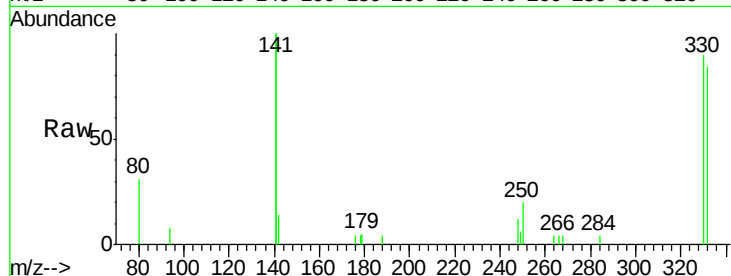
Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

ClientSampled :

SSTDICC002



Tgt Ion:330 Resp: 2343

Ion Ratio Lower Upper

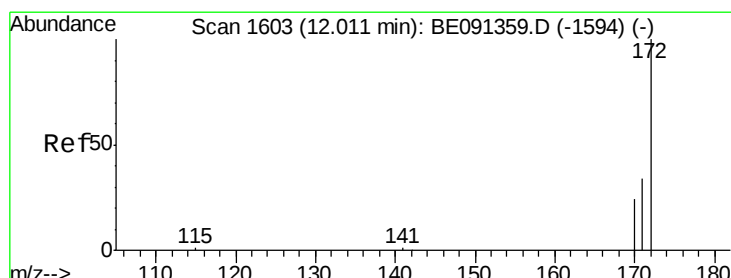
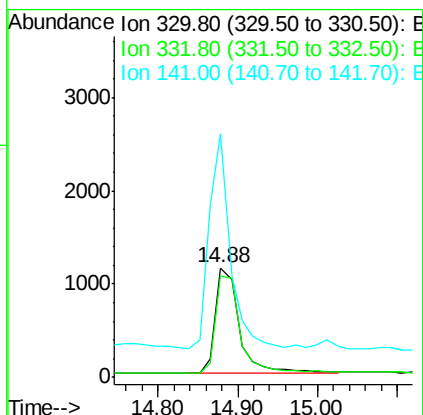
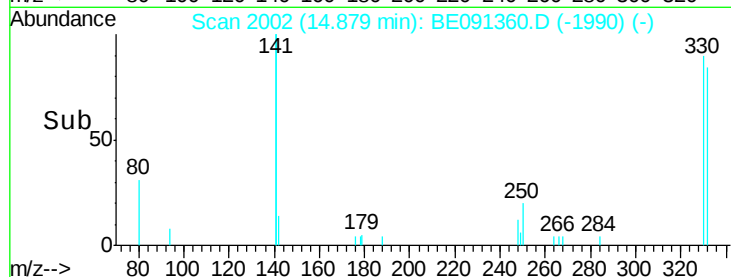
330 100

332 95.8 78.6 118.0

141 179.4 147.8 221.8

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#10

2-Fluorobiphenyl

Concen: 1.64 ng

RT: 12.00 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

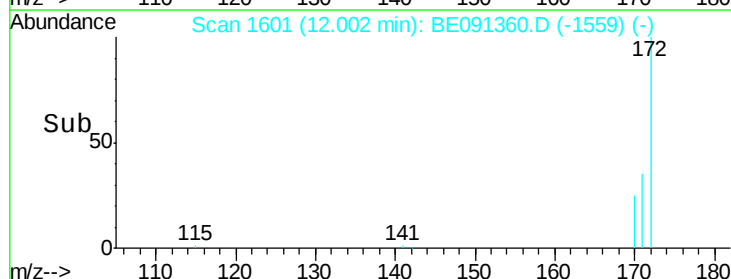
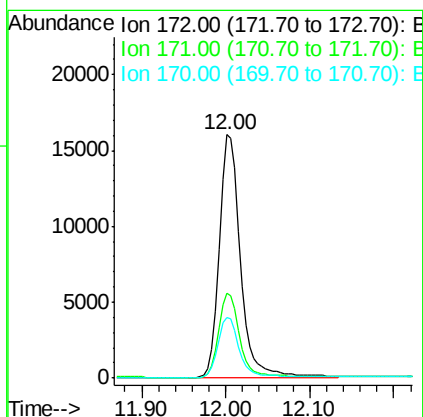
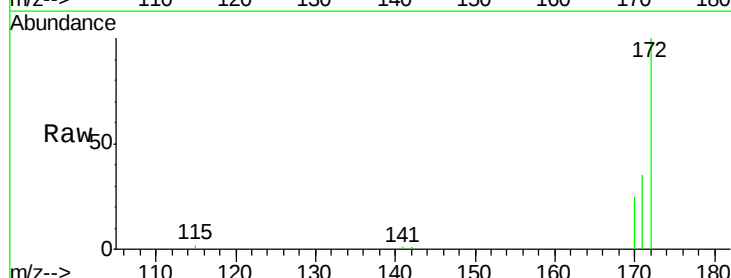
Tgt Ion:172 Resp: 27917

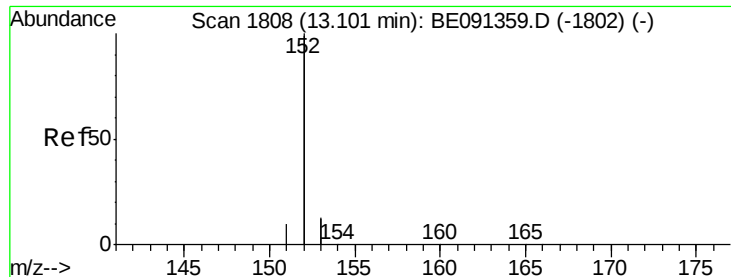
Ion Ratio Lower Upper

172 100

171 35.0 27.3 40.9

170 24.9 19.8 29.6





#11

Acenaphthylene

Concen: 1.75 ng

RT: 13.10 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BE091360.D

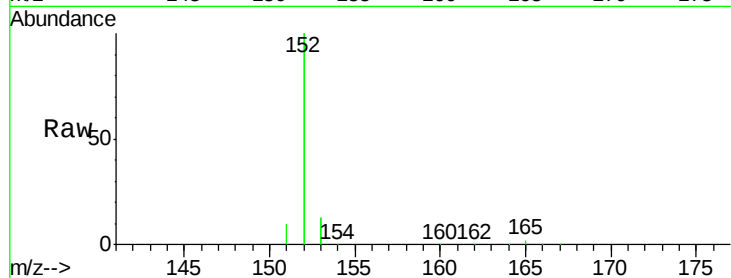
Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

ClientSampleId :

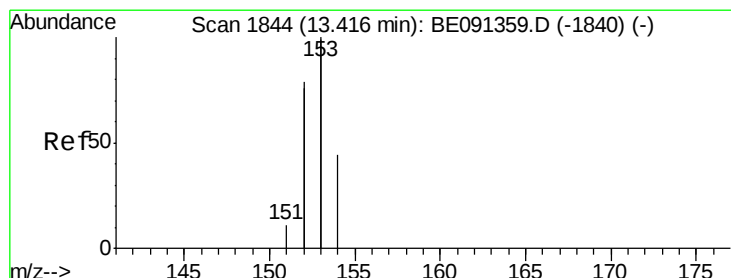
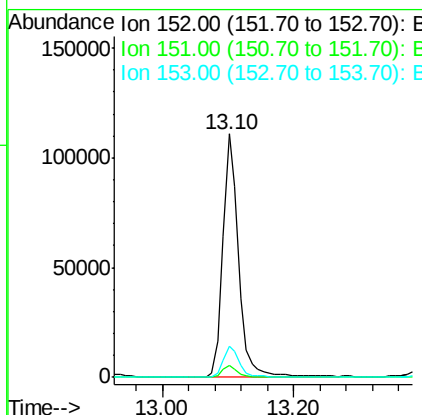
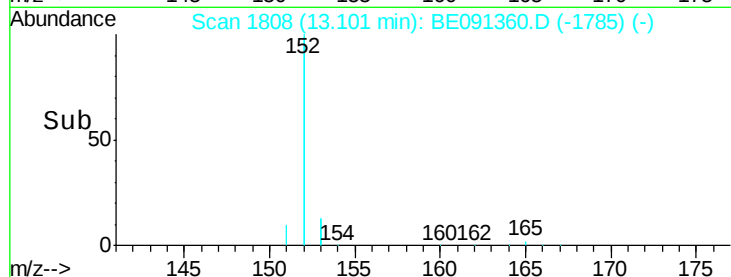
SSTDICC002



Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.8
153	13.0	10.1	15.1

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#12

Acenaphthene

Concen: 2.11 ng

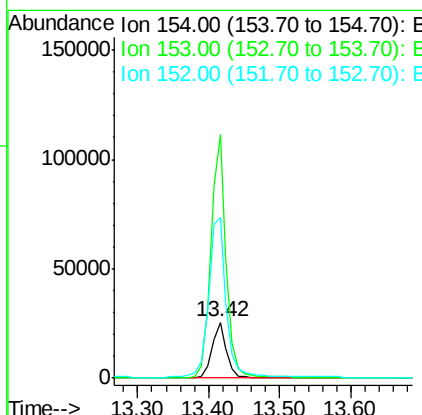
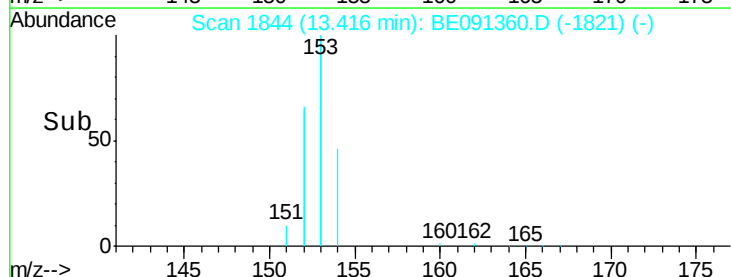
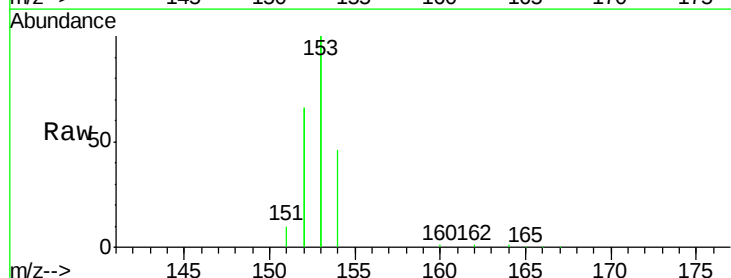
RT: 13.42 min Scan# 1844

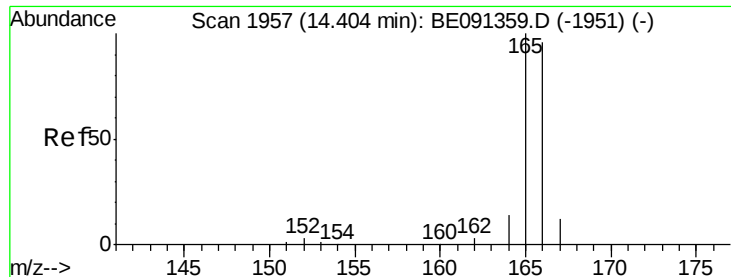
Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	454.2	370.2	555.4
152	343.0	310.5	465.7





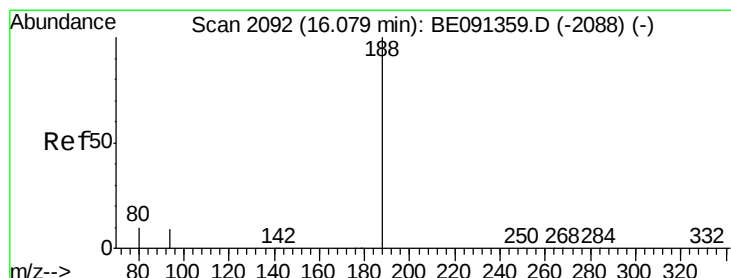
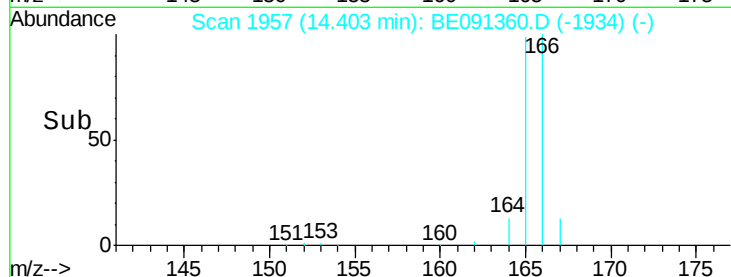
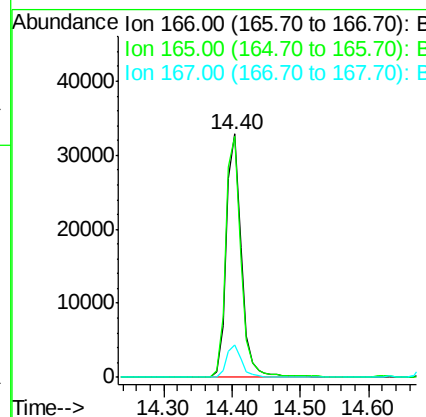
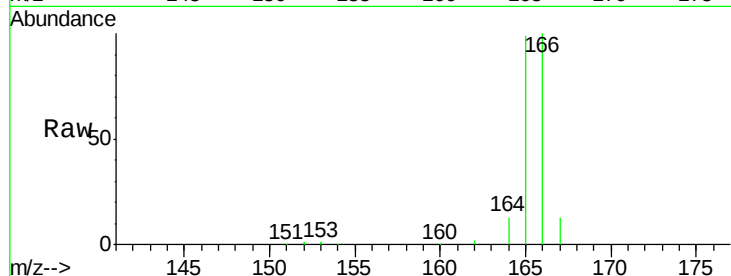
#13
Fluorene
 Concen: 2.36 ng
 RT: 14.40 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	49991		
165	100.5	83.0	124.6	
167	13.3	11.1	16.7	

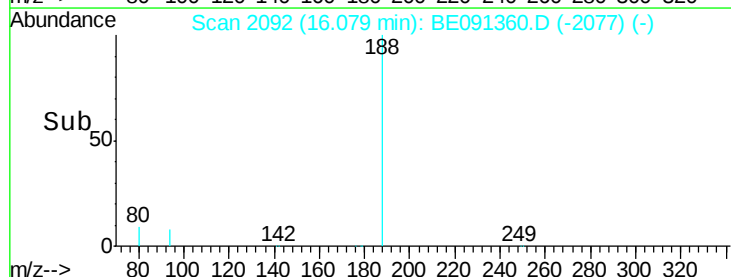
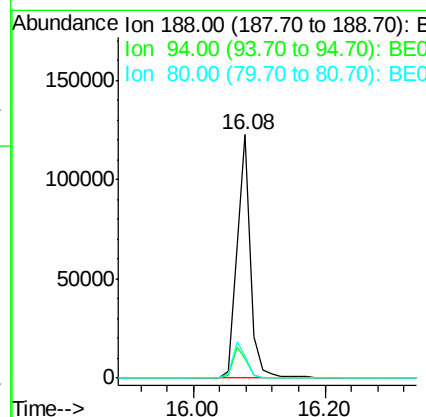
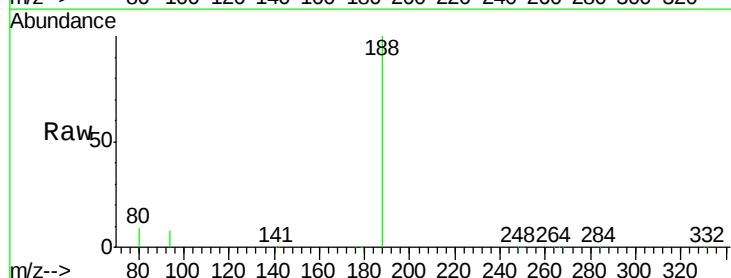
Manual Integrations
 APPROVED

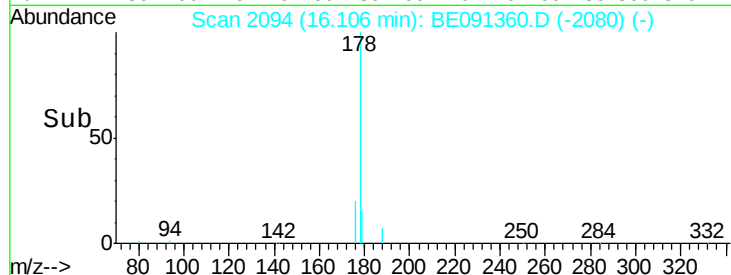
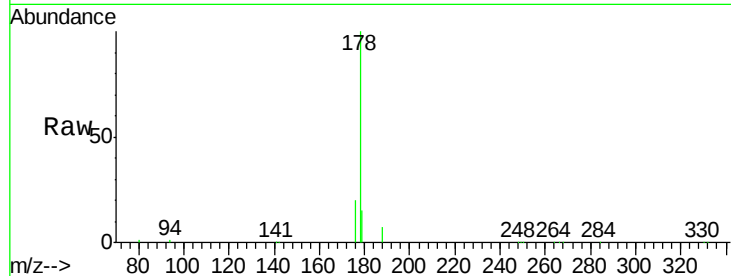
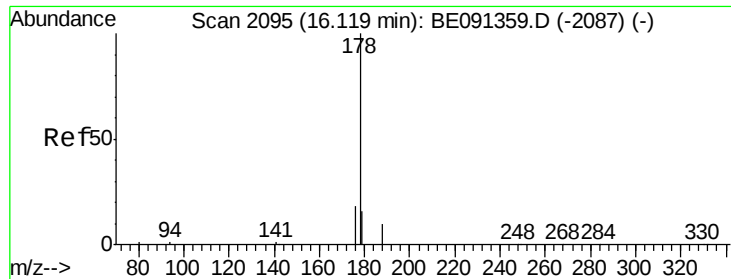
mohammad
 1/15/2016 3:39:13 PM



#14
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.08 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	179197		
94	8.2	7.5	11.3	
80	8.9	8.2	12.2	





#15

Phenanthrene

Concen: 2.00 ng

RT: 16.11 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	178	Resp:	91667
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	15.6	12.8	19.2

Instrument :

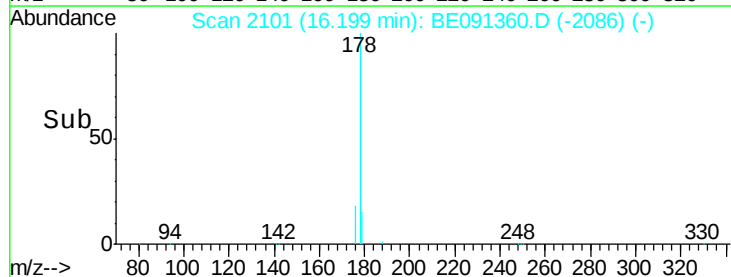
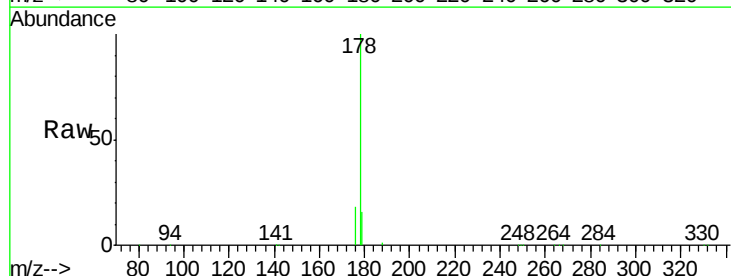
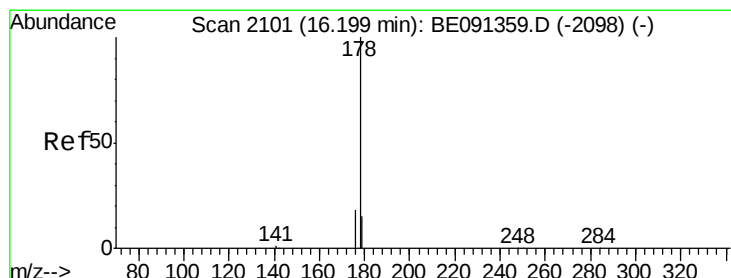
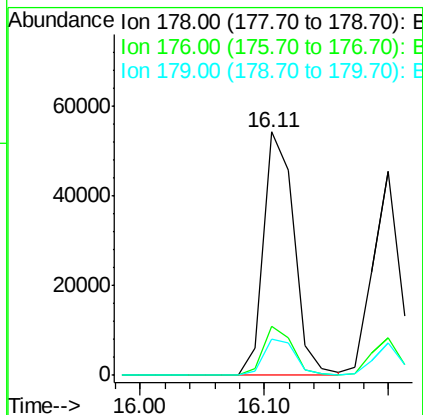
BNA_E

ClientSampleId :

SSTDIC002

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#16

Anthracene

Concen: 1.79 ng

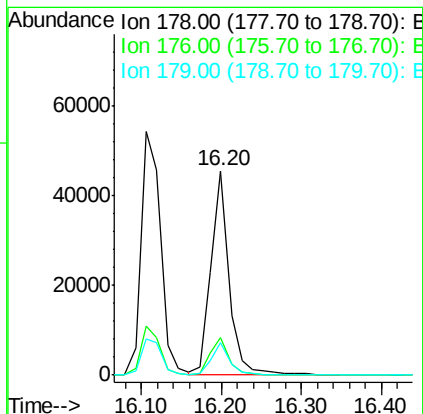
RT: 16.20 min Scan# 2101

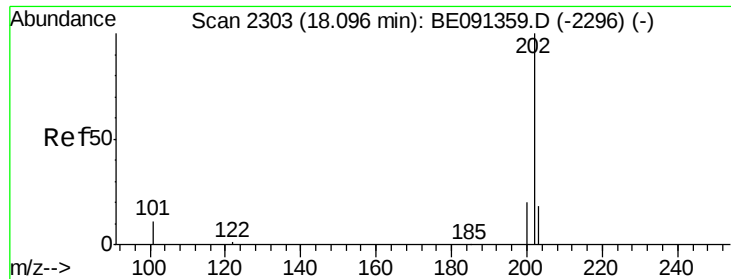
Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	178	Resp:	71341
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.0	22.6
179	15.3	12.4	18.6





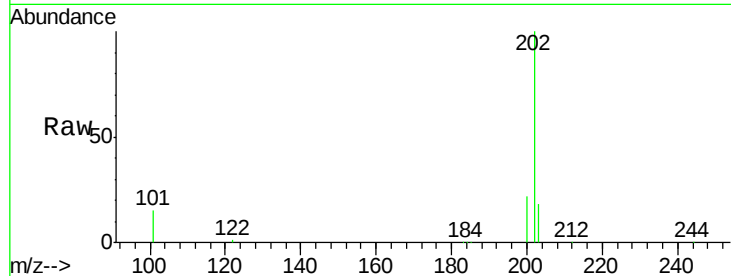
#17
 Fluoranthene
 Concen: 1.56 ng
 RT: 18.09 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

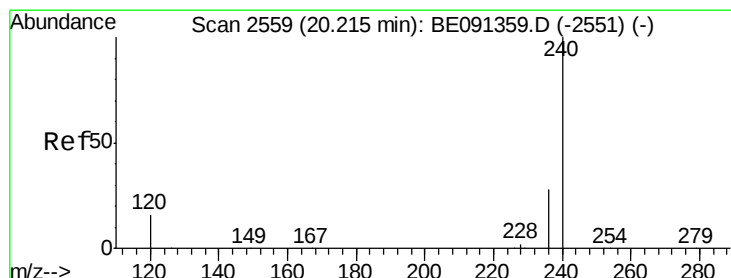
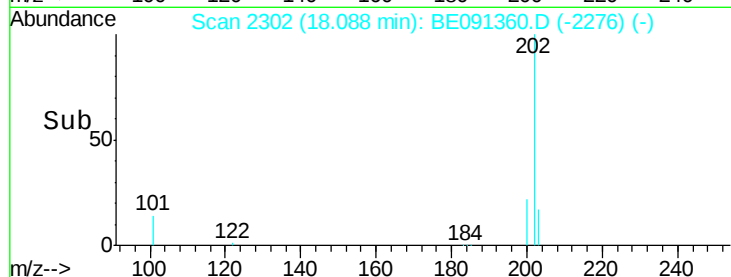
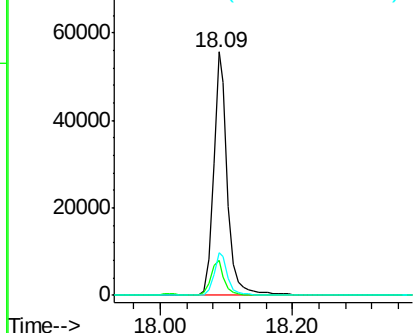
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	82312		
101	13.9	11.0	16.4	
203	17.5	13.9	20.9	

Manual Integrations
 APPROVED

mohammad
 1/15/2016 3:39:13 PM

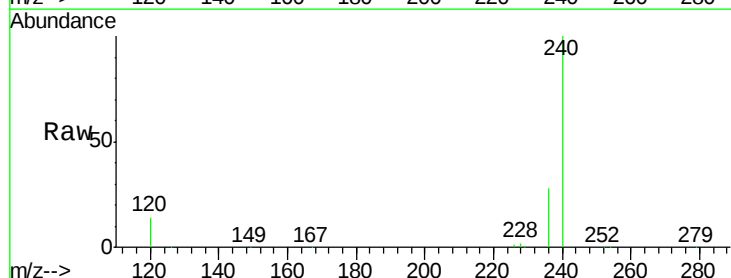


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

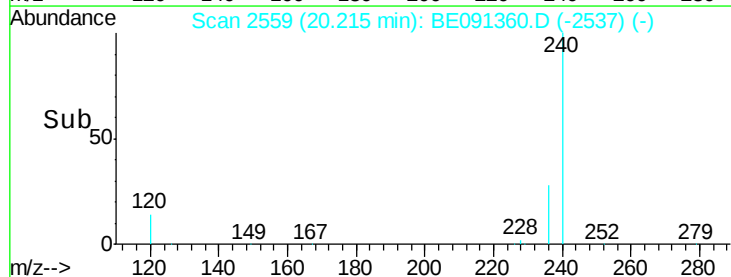
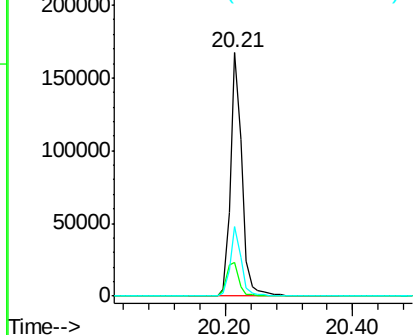


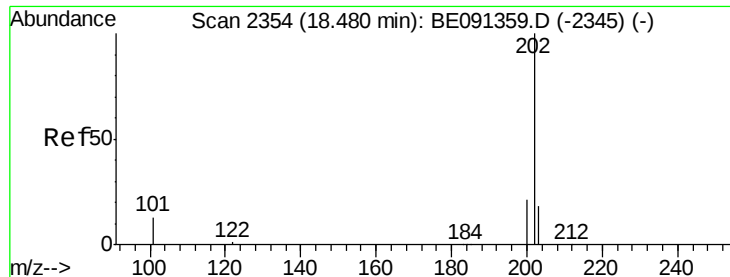
#18
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.21 min Scan# 2559
 Delta R.T. -0.00 min
 Lab File: BE091360.D
 Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	206692		
120	13.8	12.6	19.0	
236	28.3	22.7	34.1	



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#19

Pyrene

Concen: 1.28 ng

RT: 18.47 min Scan# 2353

Delta R.T. -0.01 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

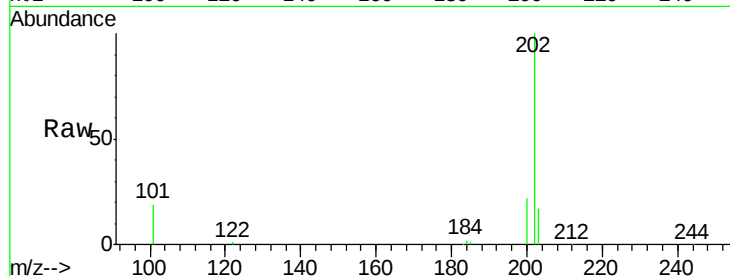
ClientSampleId :

SSTDICC002

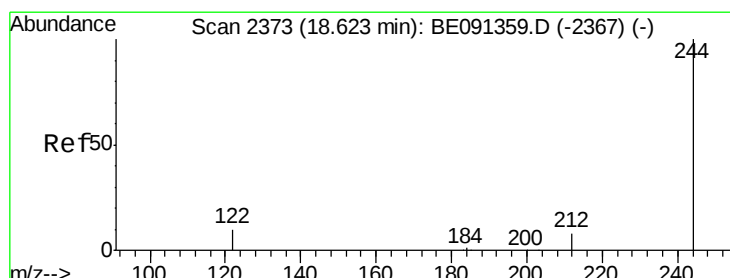
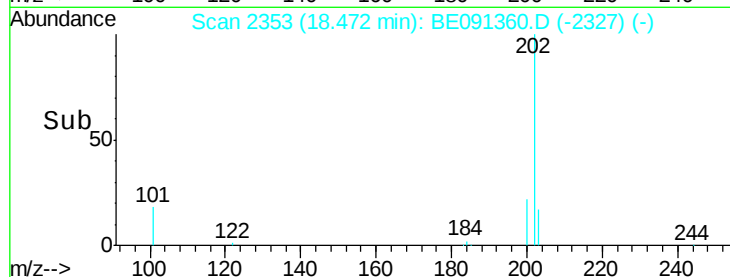
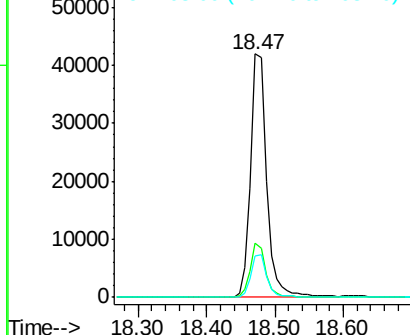
Tgt Ion:	202	Resp:	64721
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.2	25.8
203	17.3	14.2	21.4

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#20

Terphenyl-d14

Concen: 1.74 ng

RT: 18.61 min Scan# 2372

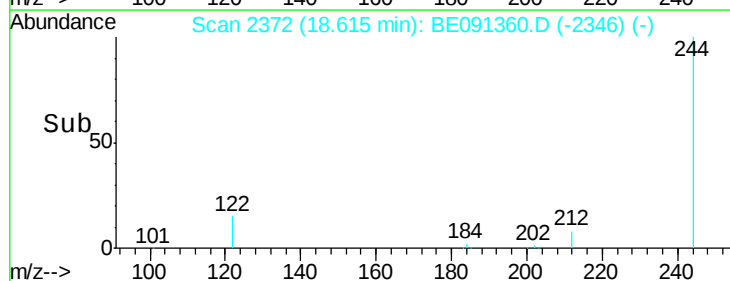
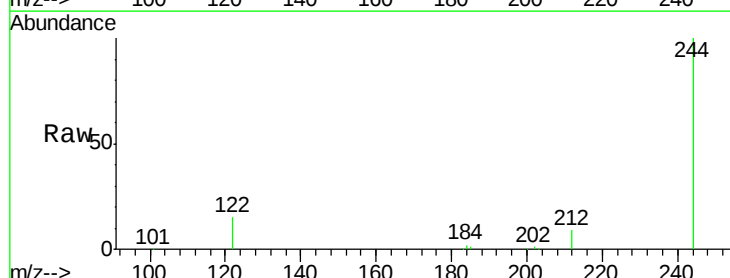
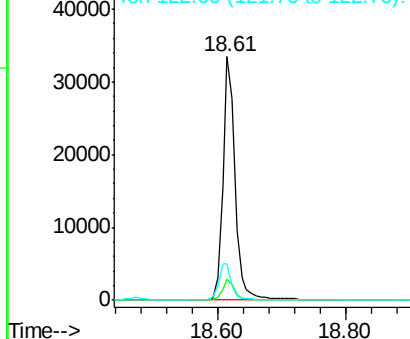
Delta R.T. -0.01 min

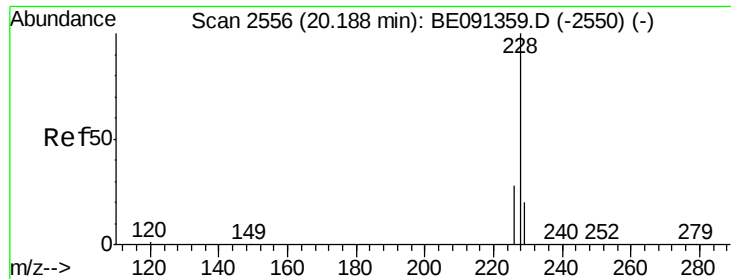
Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Tgt Ion:	244	Resp:	43941
Ion Ratio	Lower	Upper	
244	100		
212	8.6	7.0	10.4
122	14.7	8.5	12.7#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





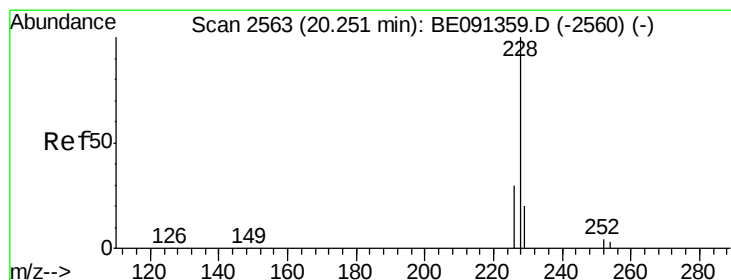
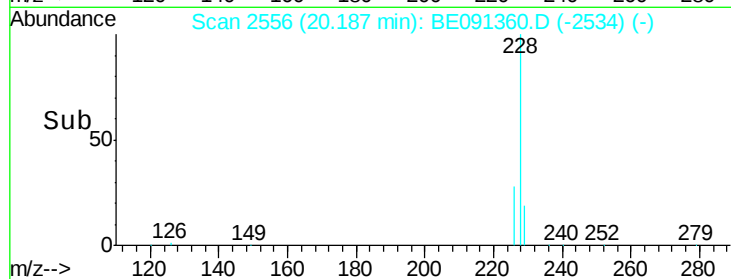
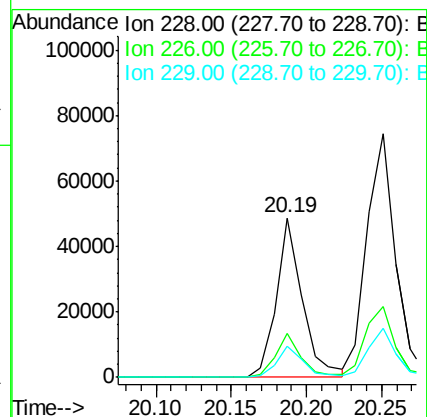
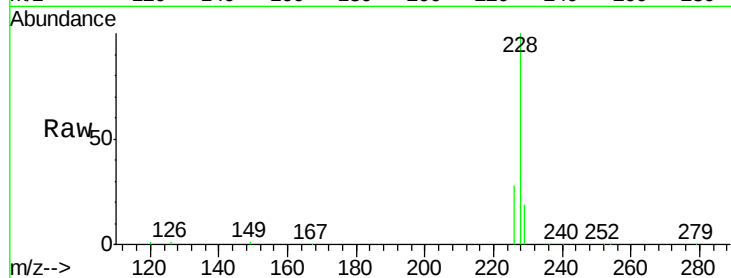
#21
Benzo(a)anthracene
Concen: 1.27 ng
RT: 20.19 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.5	33.7
229	19.3	16.2	24.4

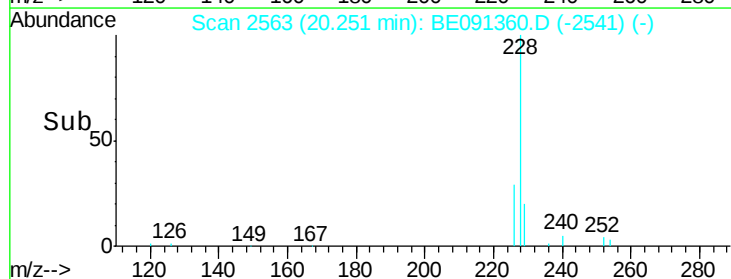
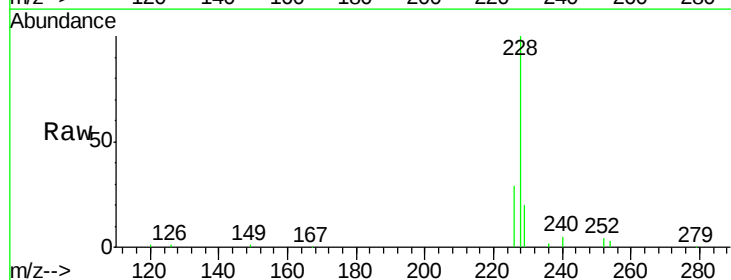
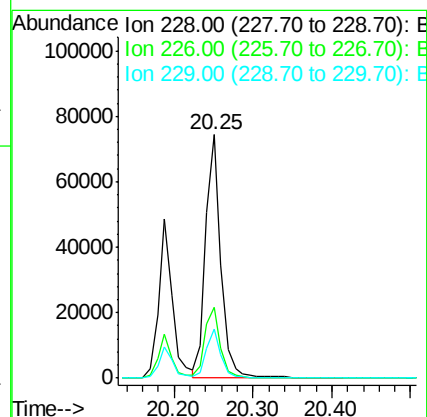
Manual Integrations
APPROVED

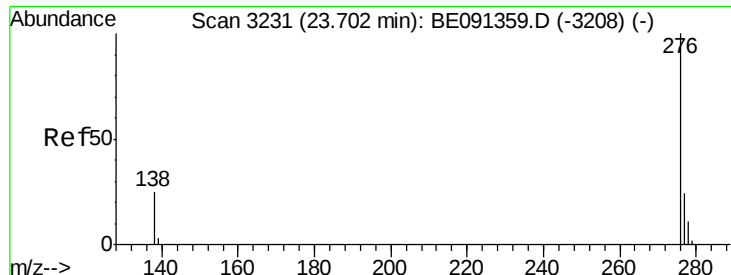
mohammad
1/15/2016 3:39:13 PM



#22
Chrysene
Concen: 1.62 ng
RT: 20.25 min Scan# 2563
Delta R.T. -0.00 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	19.9	16.0	24.0





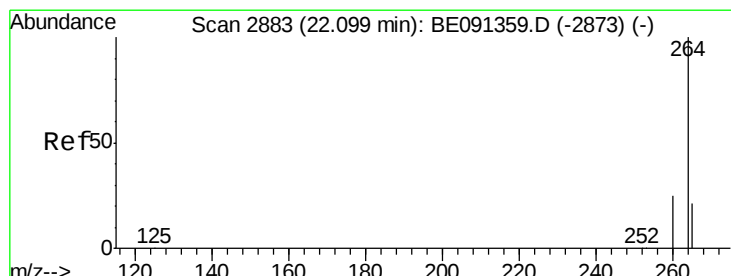
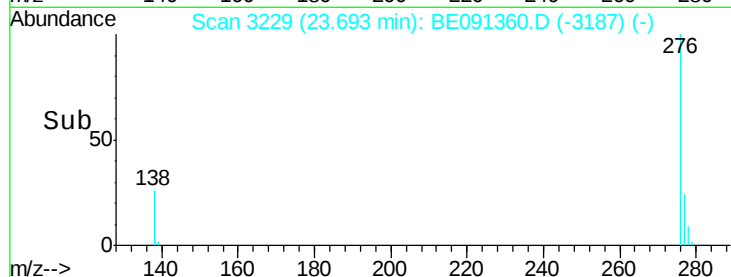
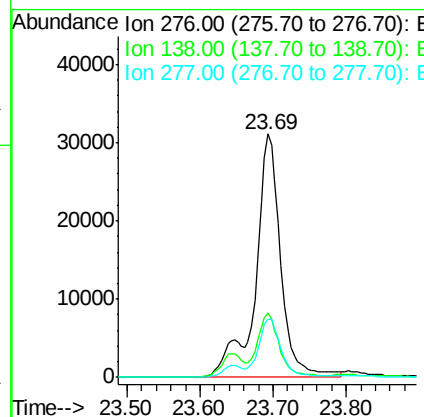
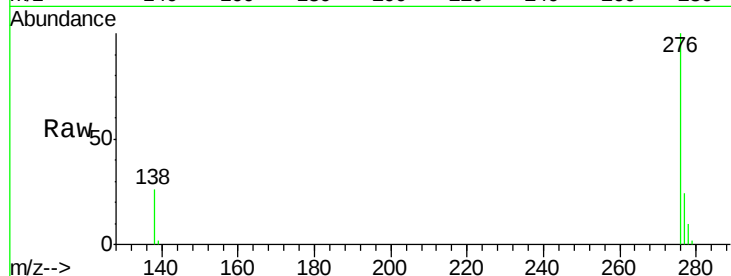
#23
Indeno(1,2,3-cd)pyrene
Concen: 1.56 ng m
RT: 23.69 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Instrument :
BNA_E
ClientSampleId :
SSTDIC002

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.6	27.8
277	20.7	16.5	24.7

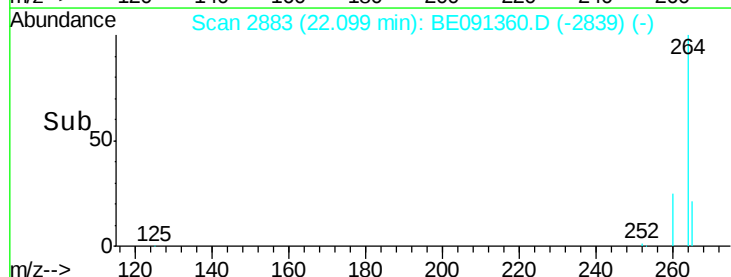
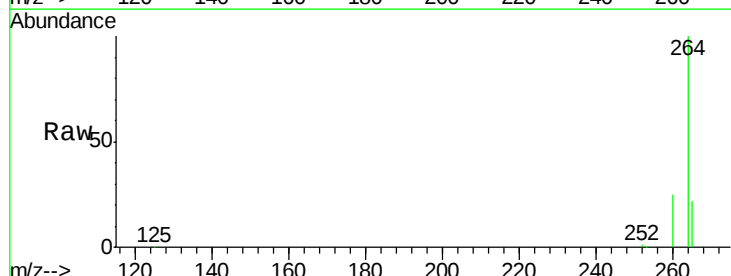
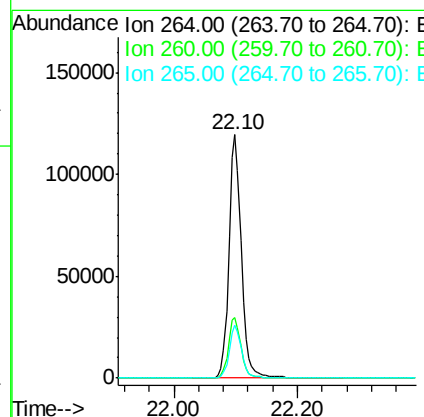
Manual Integrations
APPROVED

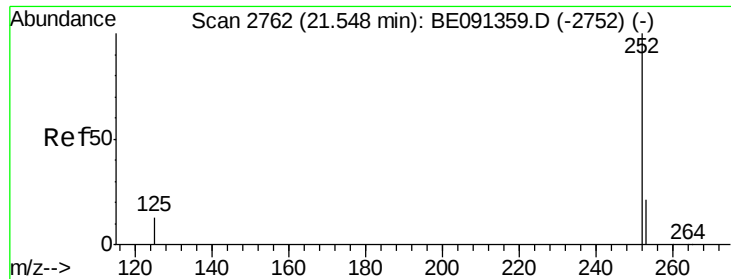
mohammad
1/15/2016 3:39:13 PM



#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.4	30.6
265	21.6	17.2	25.8





#25

Benzo(b)fluoranthene

Concen: 1.73 ng

RT: 21.55 min Scan# 2762

Delta R.T. -0.00 min

Lab File: BE091360.D

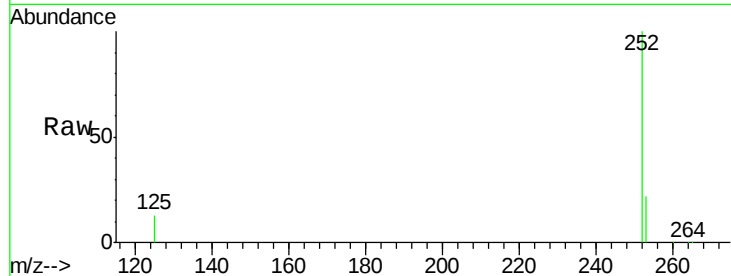
Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

ClientSampleId :

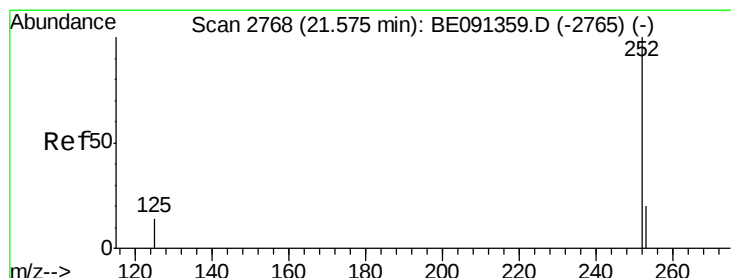
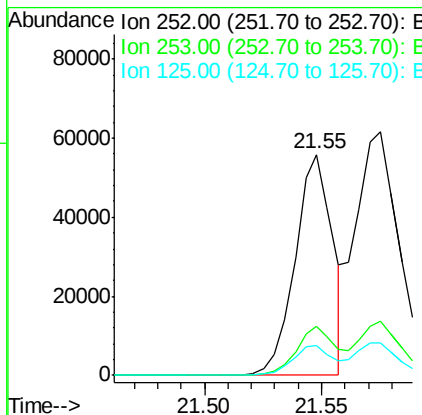
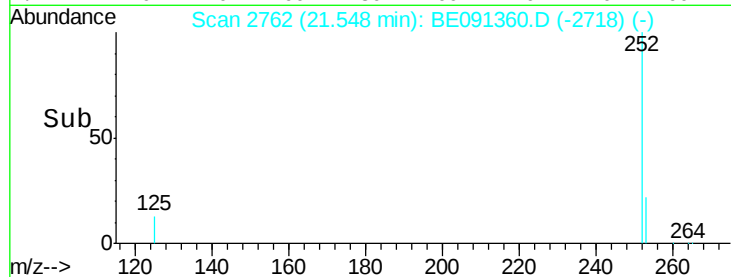
SSTDICC002



Tgt Ion:	252	Resp:	61926
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	13.3	11.0	16.6

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM



#26

Benzo(k)fluoranthene

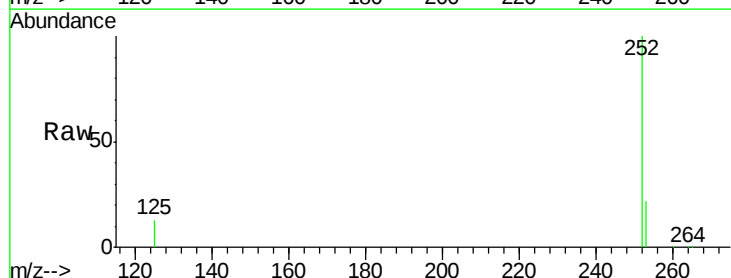
Concen: 1.74 ng

RT: 21.58 min Scan# 2768

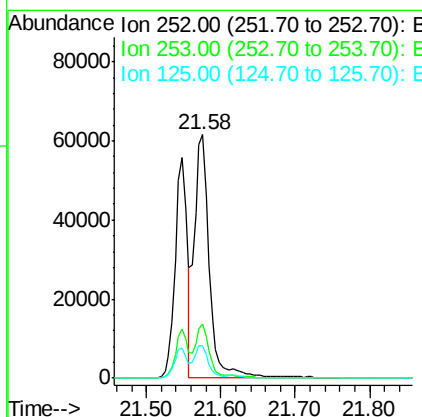
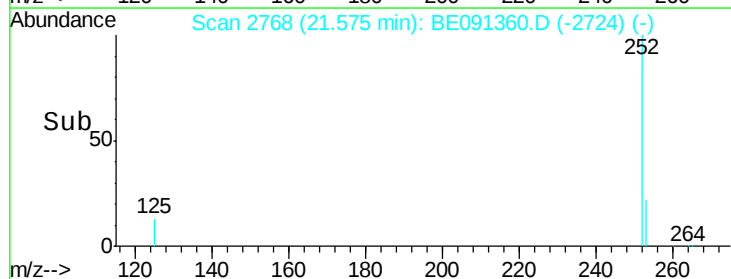
Delta R.T. -0.00 min

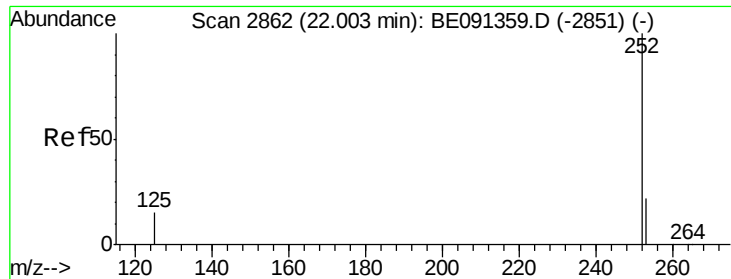
Lab File: BE091360.D

Acq: 14 Jan 2016 20:52



Tgt Ion:	252	Resp:	84863
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	13.1	11.3	16.9





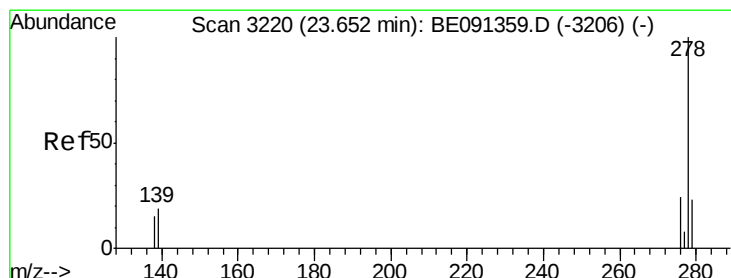
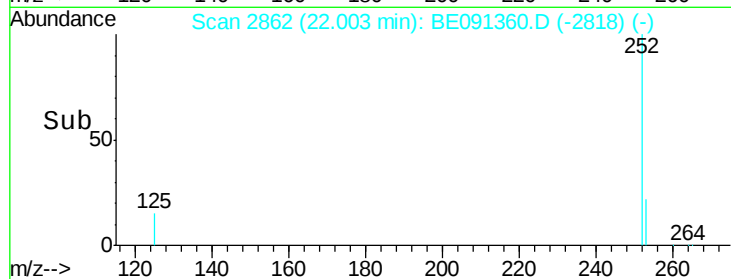
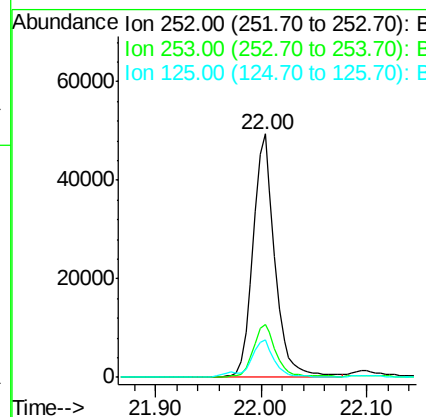
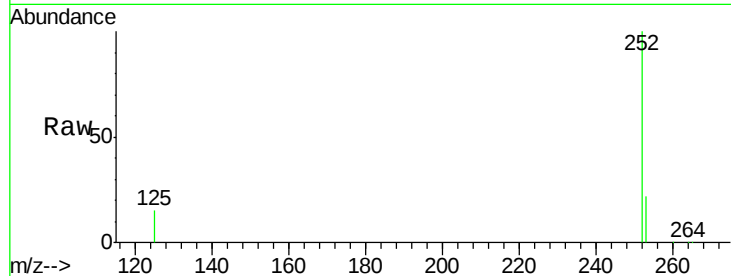
#27
Benzo(a)pyrene
Concen: 2.07 ng
RT: 22.00 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.2	12.2	18.4

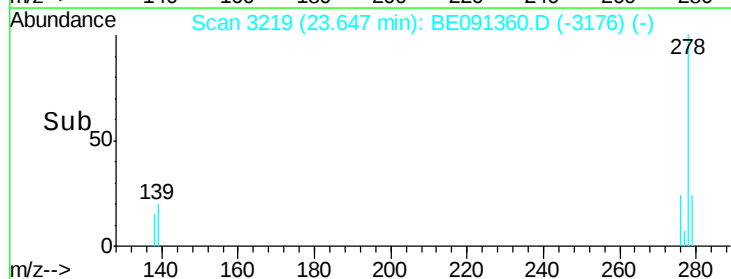
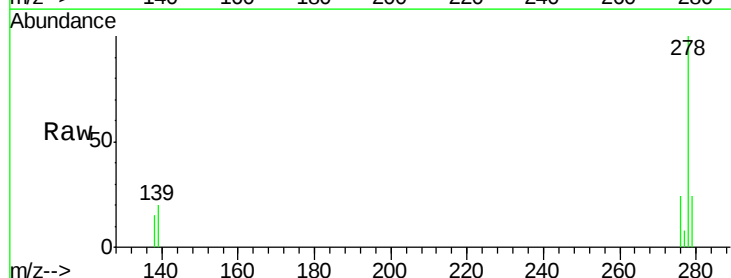
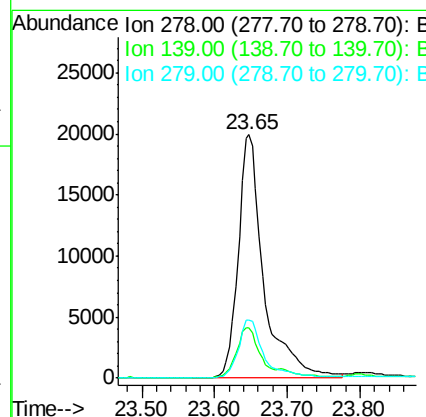
Manual Integrations
APPROVED

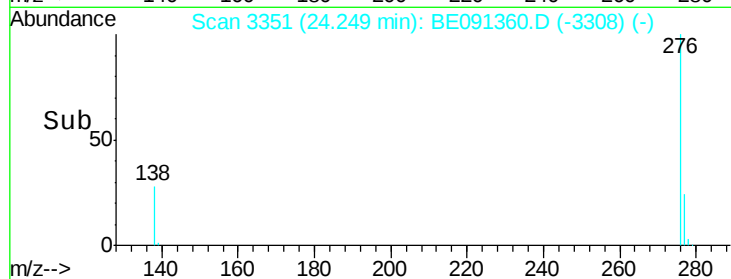
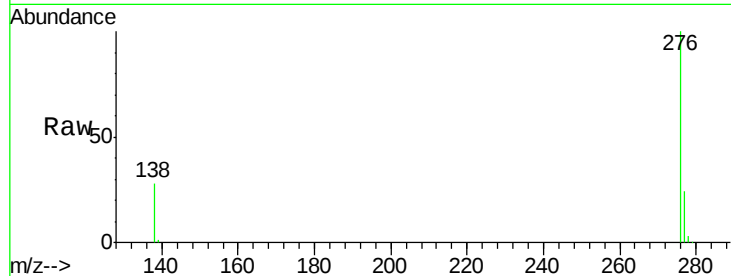
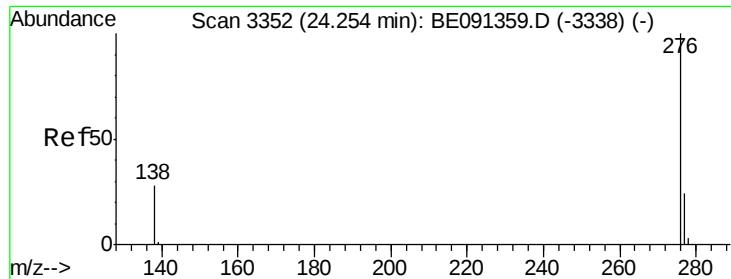
mohammad
1/15/2016 3:39:13 PM



#28
Dibenzo(a,h)anthracene
Concen: 1.51 ng
RT: 23.65 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE091360.D
Acq: 14 Jan 2016 20:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	16.3	24.5
279	24.0	19.4	29.2





#29

Benzo(g,h,i)perylene

Concen: 1.71 ng

RT: 24.25 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BE091360.D

Acq: 14 Jan 2016 20:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC002

Tgt	Ion	276	Resp:	60819
Ion	Ratio	Lower	Upper	
276	100			
277	23.8	19.8	29.6	
138	27.8	23.3	34.9	

Manual Integrations
APPROVED

mohammad
1/15/2016 3:39:13 PM

