

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089838.D
 Acq On : 25 Mar 2015 8:58
 Operator : TP/JJ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
 APPROVED

mohammad
 3/25/2015 5:42:50 PM

Quant Time: Mar 25 17:25:36 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	179860	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	707028	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	322863	5.00	ng	0.01
13) Phenanthrene-d10	17.92	188	552302	5.00	ng	0.00
19) Chrysene-d12	24.26	240	509010	5.00	ng	0.00
25) Perylene-d12	27.41	264	459690	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	6119	0.37	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	10140	0.13	ng	0.00
21) Terphenyl-d14	21.87	244	8462	0.11	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.03	42	3144m	0.09	ng	
6) Naphthalene	10.31	128	15627	0.11	ng	97
7) 2-Methylnaphthalene	11.93	142	8661	0.11	ng	96
10) Acenaphthylene	14.04	152	50175	0.11	ng	97
11) Acenaphthene	14.46	154	7869	0.11	ng	93
12) Fluorene	15.71	166	9513	0.11	ng	92
14) Hexachlorobenzene	16.98	284	2051	0.11	ng	99
16) Phenanthrene	17.97	178	14013	0.12	ng	98
17) Anthracene	18.10	178	11838	0.11	ng	97
18) Fluoranthene	20.82	202	12937	0.12	ng	99
20) Pyrene	21.35	202	13171	0.10	ng	99
22) Benzo(a)anthracene	24.25	228	11961	0.13	ng	98
23) Chrysene	24.32	228	11680	0.11	ng	94
24) Indeno(1,2,3-cd)pyrene	29.38	276	7814m	0.49	ng	
26) Benzo(b)fluoranthene	26.64	252	7013	0.38	ng	95
27) Benzo(k)fluoranthene	26.70	252	10512m	0.11	ng	
28) Benzo(a)pyrene	27.30	252	7439	0.37	ng	97
29) Dibenzo(a,h)anthracene	29.45	278	3926	0.32	ng	96
30) Benzo(g,h,i)perylene	29.84	276	8493	0.34	ng	96

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

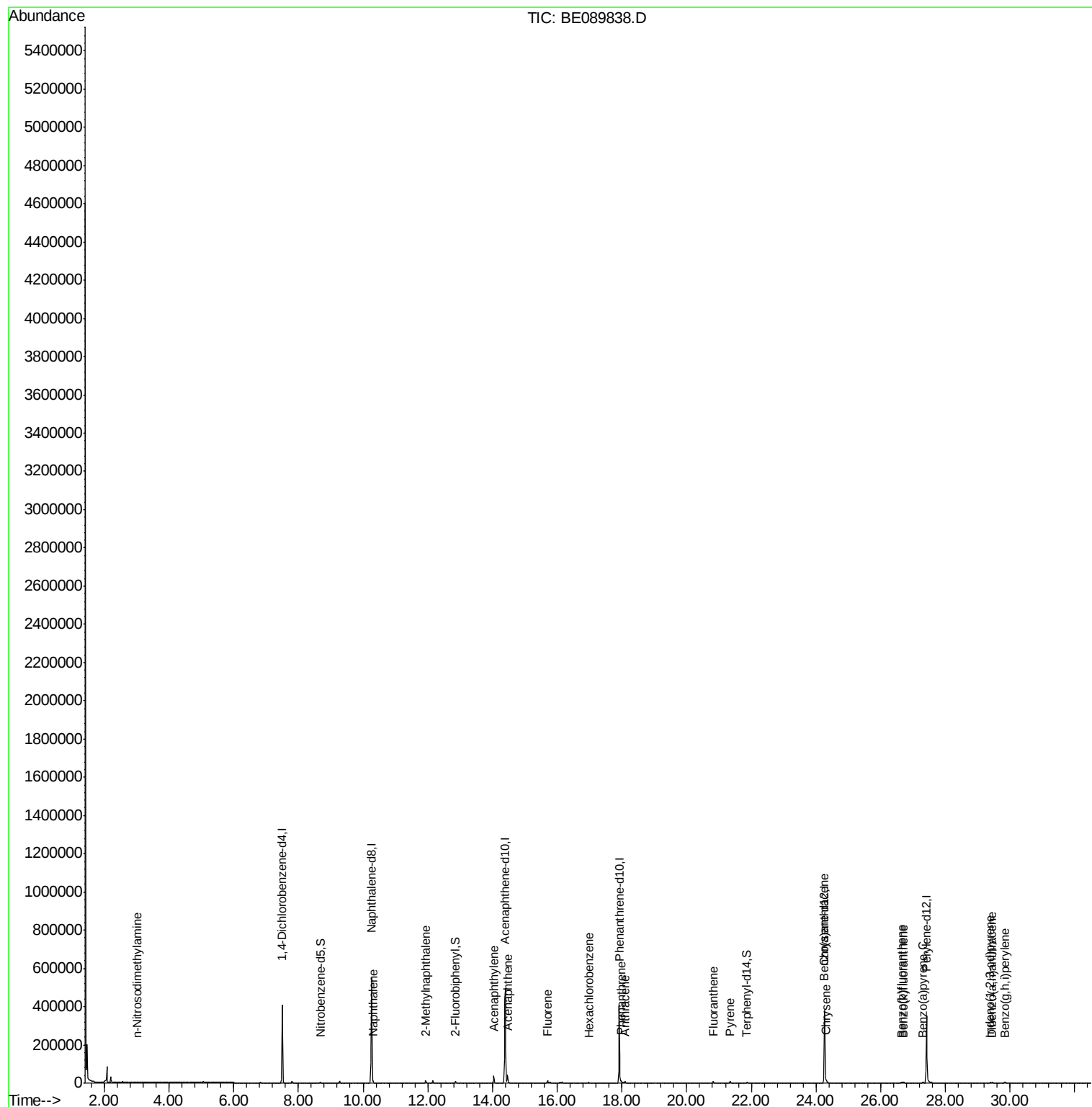
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089838.D
Acq On : 25 Mar 2015 8:58
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

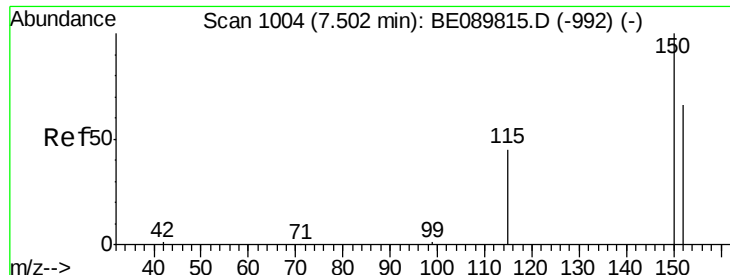
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM

Quant Time: Mar 25 17:25:36 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 25 16:20:31 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089838.D

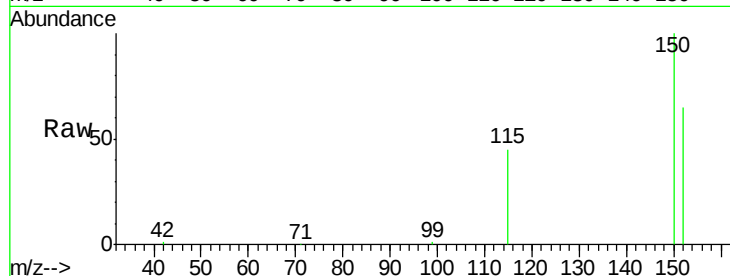
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

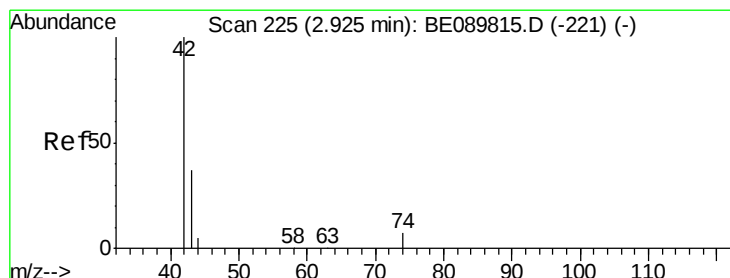
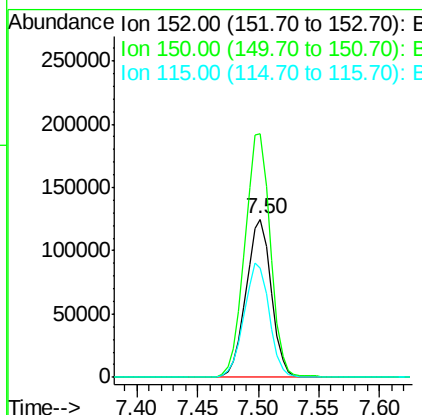
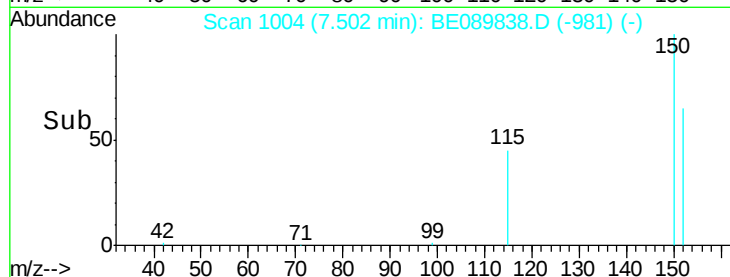
SSTDCCC001EC



Tgt Ion:	152	Resp:	179860
Ion Ratio	Lower	Upper	
152	100		
150	153.7	125.5	188.3
115	68.7	58.0	87.0

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#3

n-Nitrosodimethylamine

Concen: 0.09 ng m

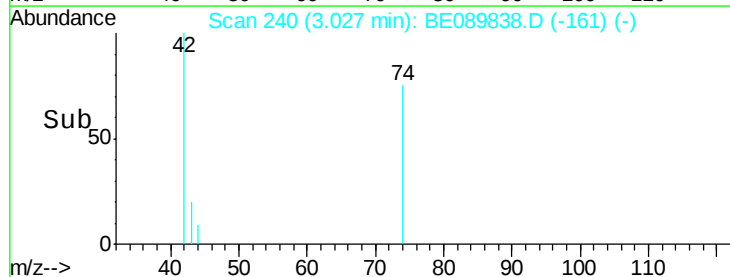
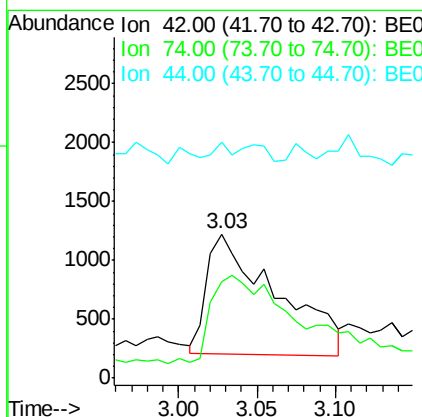
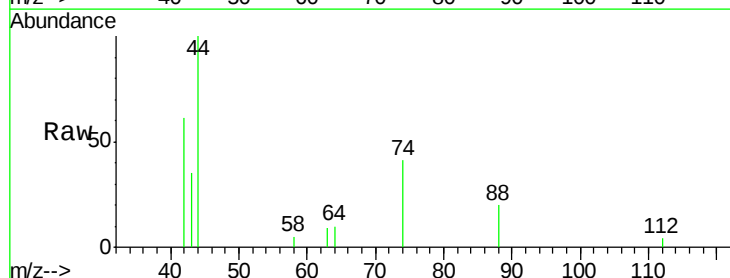
RT: 3.03 min Scan# 240

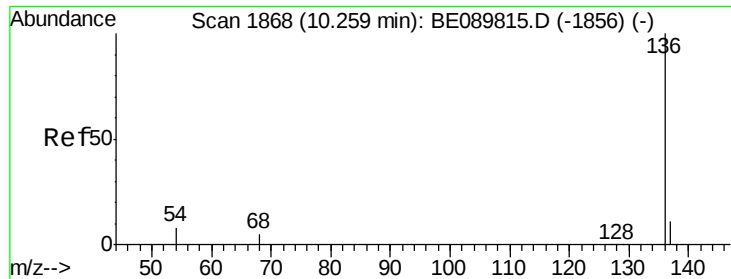
Delta R.T. 0.04 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt Ion:	42	Resp:	3144
Ion Ratio	Lower	Upper	
42	100		
74	0.0	68.7	103.1#
44	3.7	6.2	9.4#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

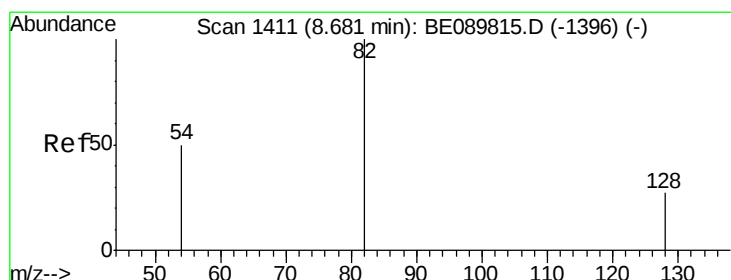
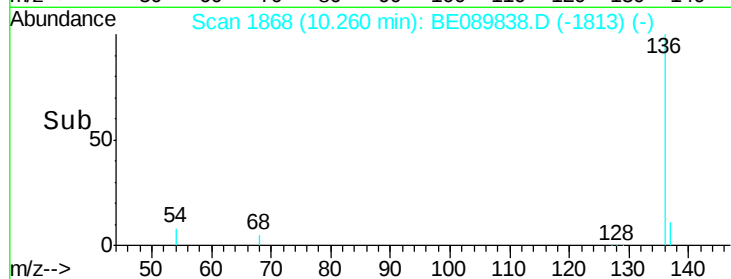
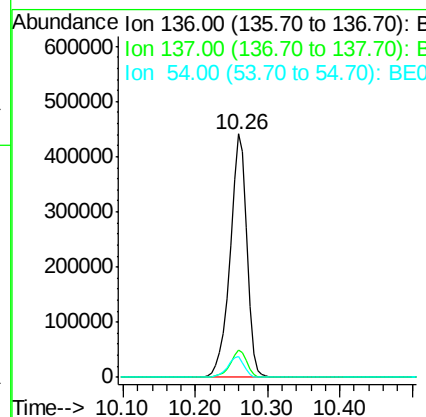
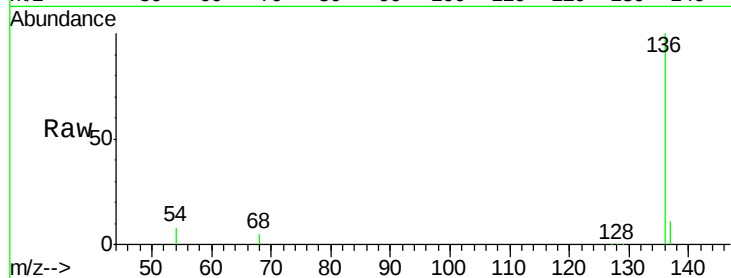
ClientSampleId :

SSTDCCC001EC

Tgt Ion:	136	Resp:	707028
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	8.3	7.0	10.4

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#5

Nitrobenzene-d5

Concen: 0.37 ng

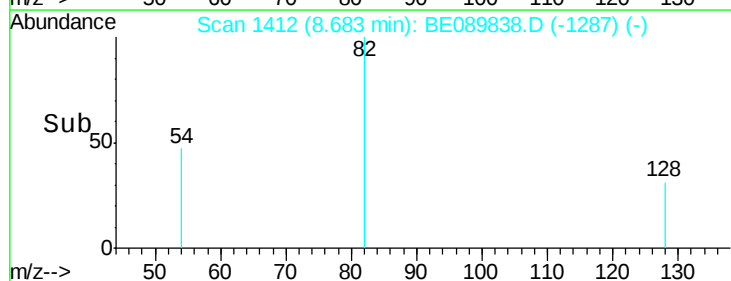
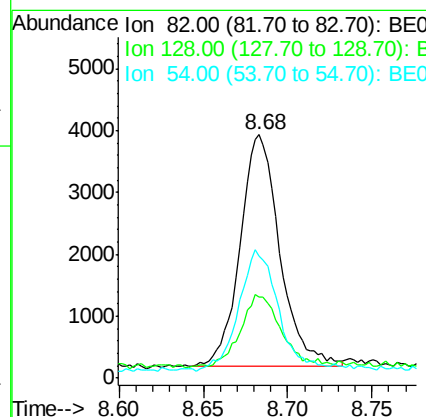
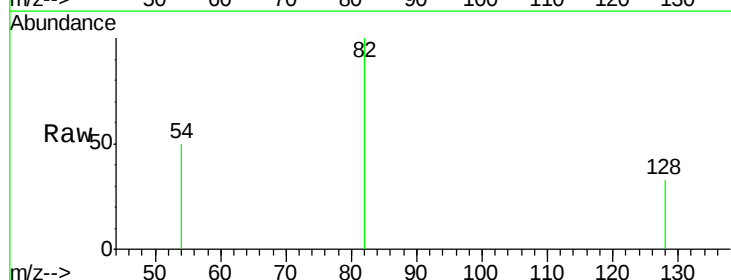
RT: 8.68 min Scan# 1412

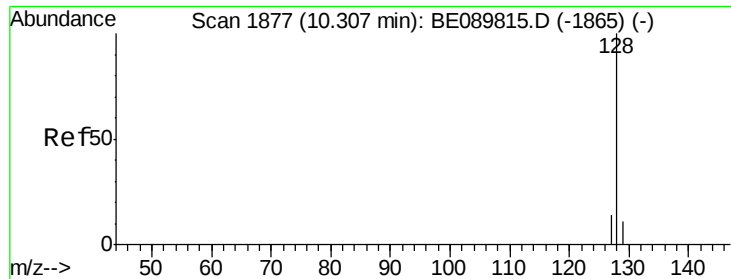
Delta R.T. 0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt Ion:	82	Resp:	6119
Ion Ratio	Lower	Upper	
82	100		
128	33.3	24.6	37.0
54	50.3	43.0	64.6





#6

Naphthalene

Concen: 0.11 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089838.D

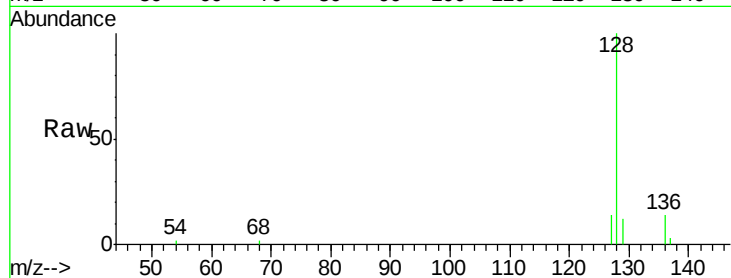
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

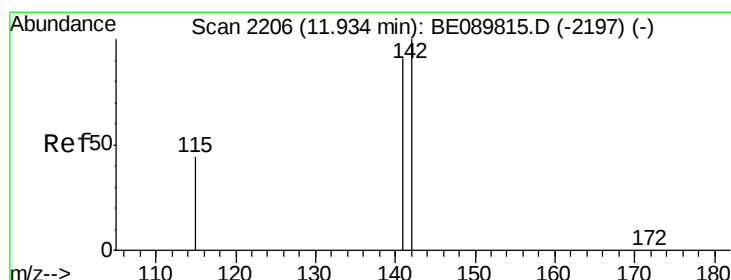
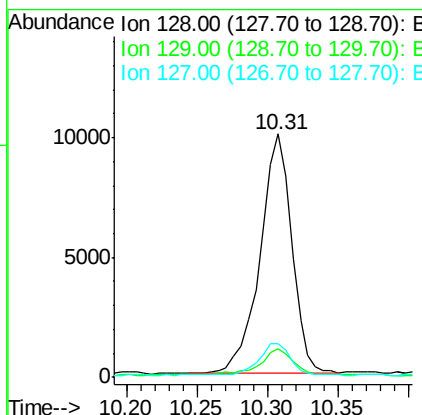
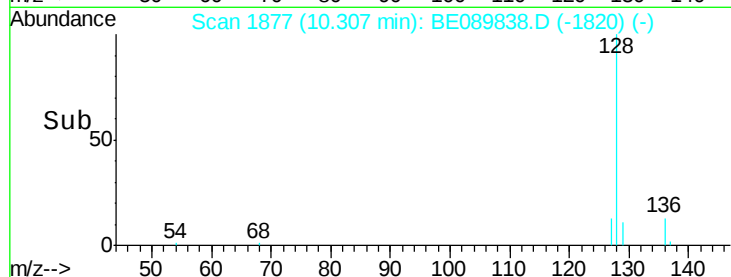
SSTDCCC001EC



Tgt Ion:	128	Resp:	15627
Ion Ratio	Lower	Upper	
128	100		
129	11.8	10.0	15.0
127	13.6	12.5	18.7

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#7

2-Methylnaphthalene

Concen: 0.11 ng

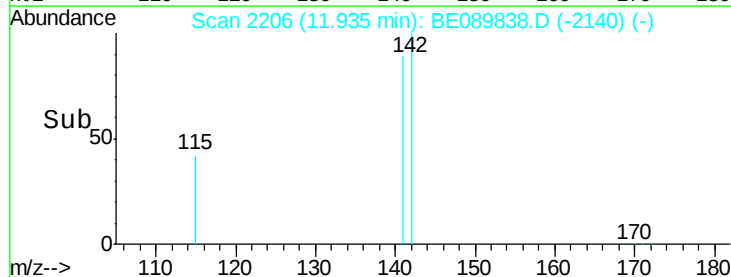
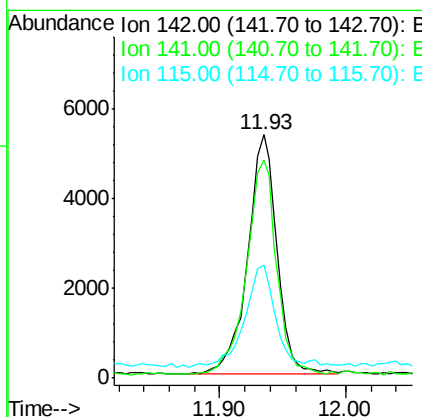
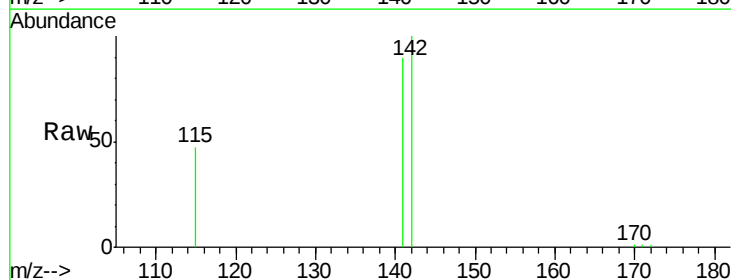
RT: 11.93 min Scan# 2206

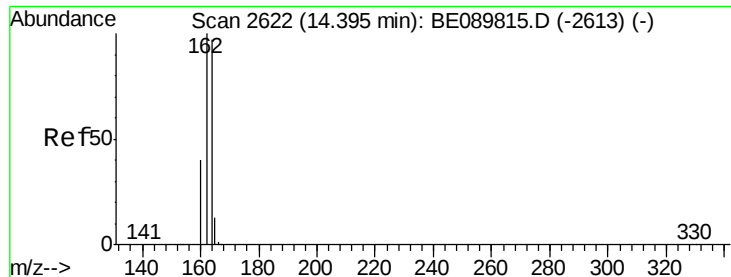
Delta R.T. -0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt Ion:	142	Resp:	8661
Ion Ratio	Lower	Upper	
142	100		
141	89.6	72.8	109.2
115	46.7	32.9	49.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089838.D

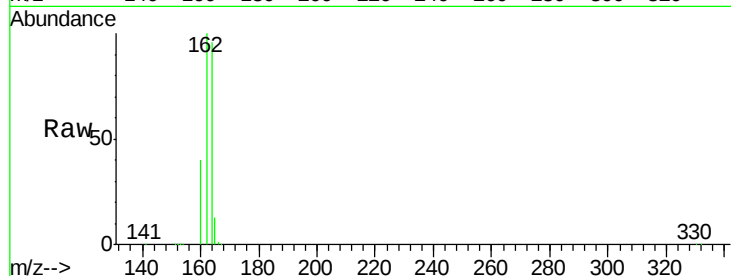
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

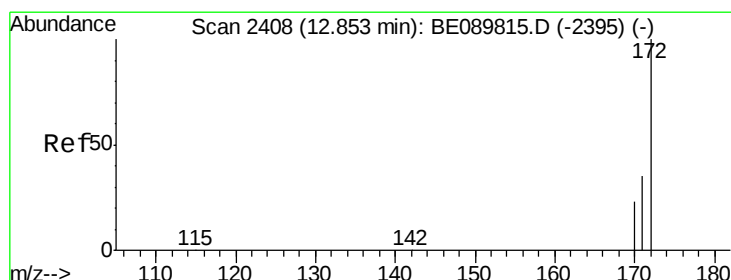
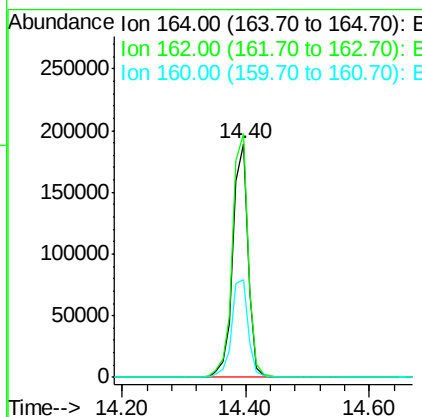
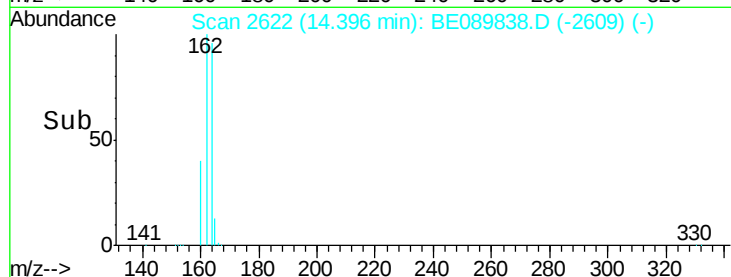
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	87.6	131.4
160	41.8	36.7	55.1

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#9

2-Fluorobiphenyl

Concen: 0.13 ng

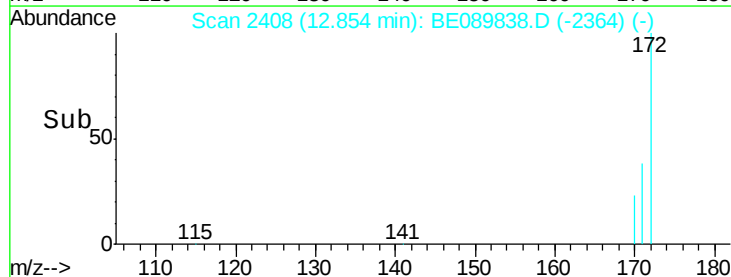
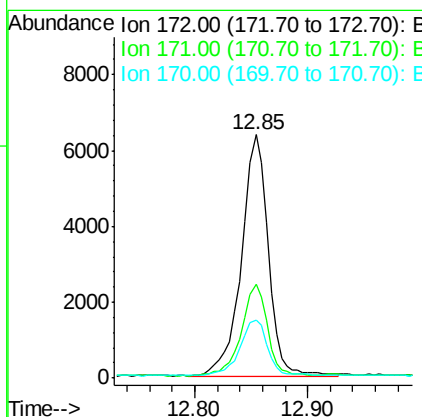
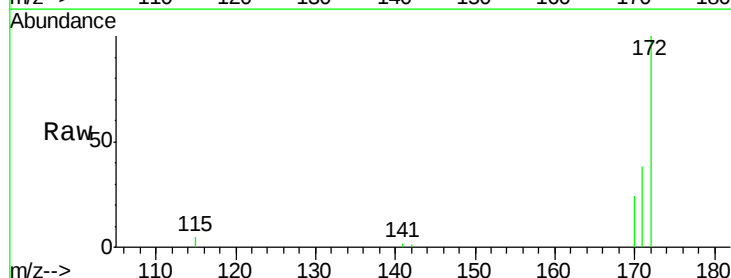
RT: 12.85 min Scan# 2408

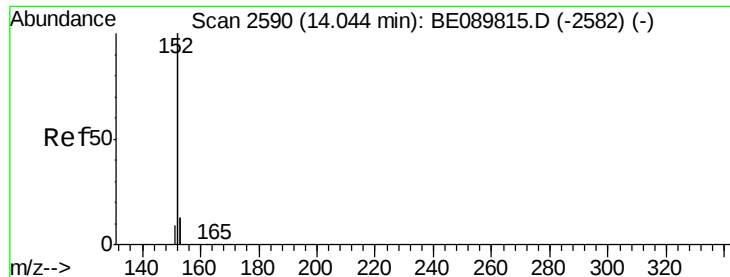
Delta R.T. 0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	23.9	21.0	31.4





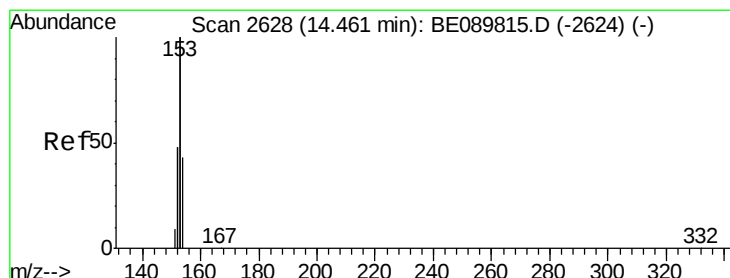
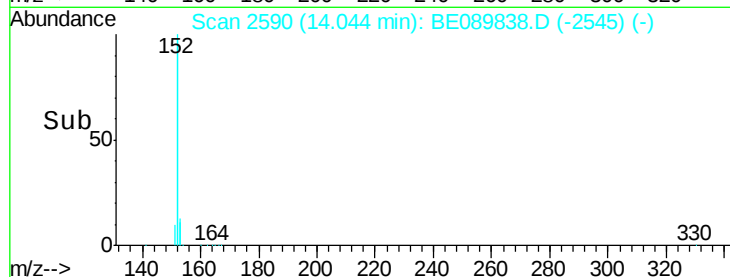
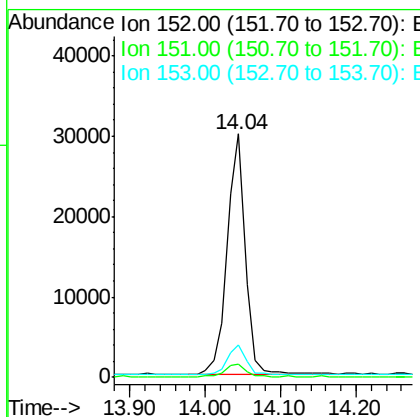
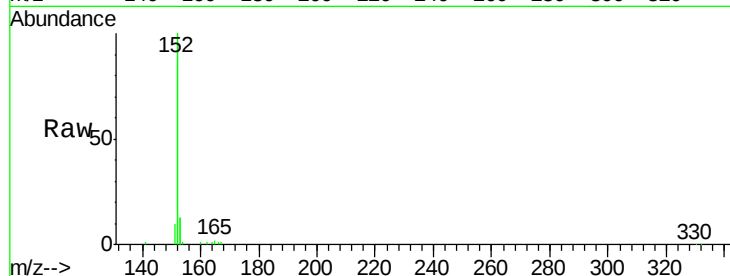
#10
Acenaphthylene
Concen: 0.11 ng
RT: 14.04 min Scan# 2590
Delta R.T. -0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.6	3.9	5.9
153	12.4	11.0	16.4

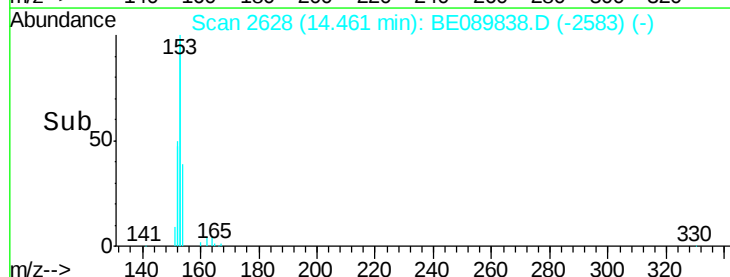
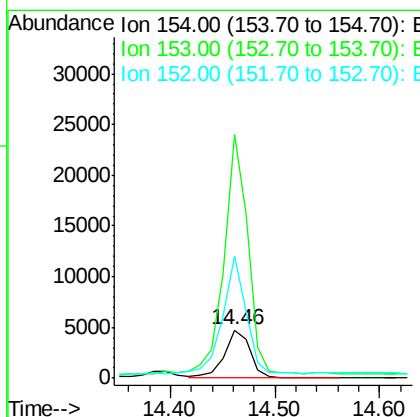
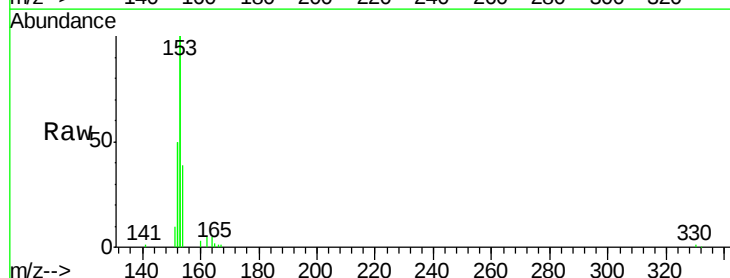
Manual Integrations
APPROVED

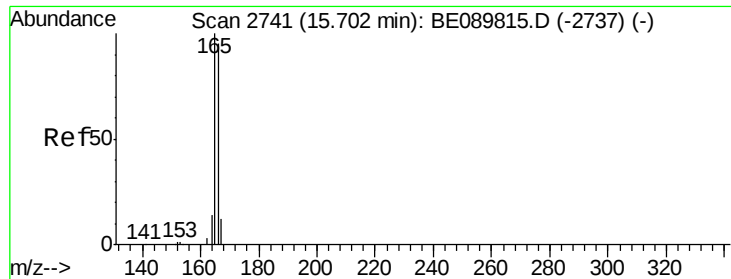
mohammad
3/25/2015 5:42:50 PM



#11
Acenaphthene
Concen: 0.11 ng
RT: 14.46 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	483.7	401.5	602.3
152	233.6	198.6	298.0





#12

Fluorene

Concen: 0.11 ng

RT: 15.71 min Scan# 2742

Delta R.T. -0.00 min

Lab File: BE089838.D

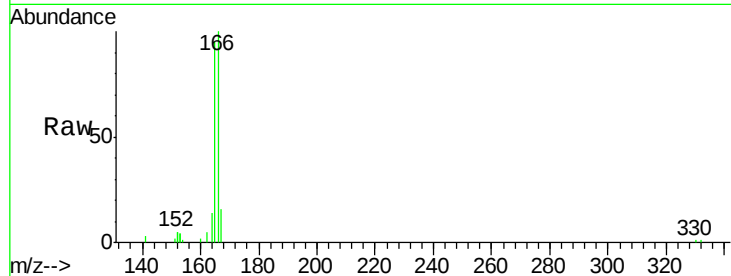
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

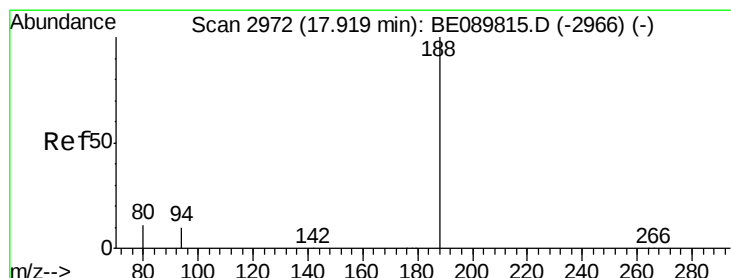
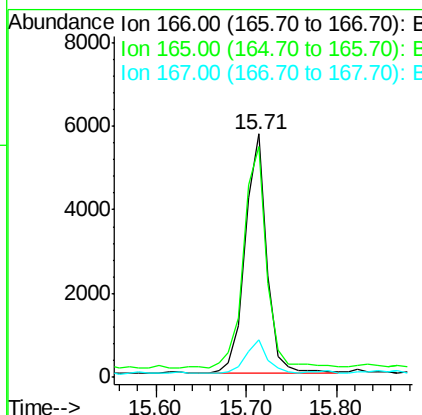
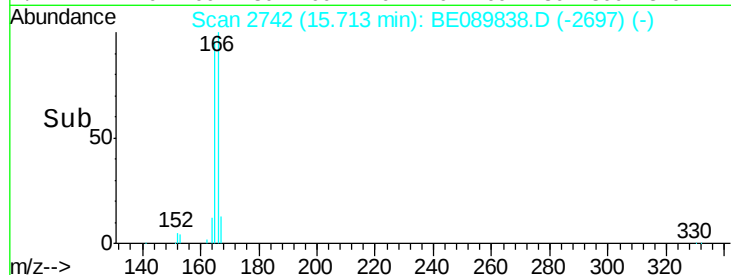
SSTDCCC001EC



Tgt Ion:	166	Resp:	9513
Ion Ratio	Lower	Upper	
166	100		
165	97.2	85.1	127.7
167	14.4	12.2	18.4

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#13

Phenanthrene-d10

Concen: 5.00 ng

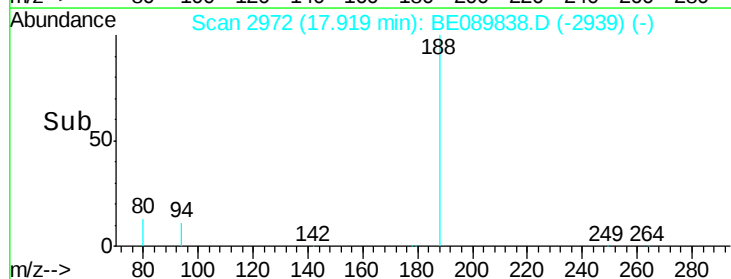
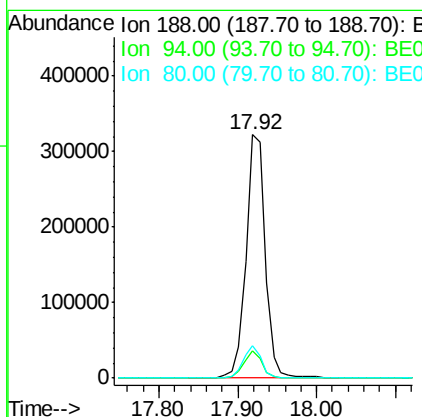
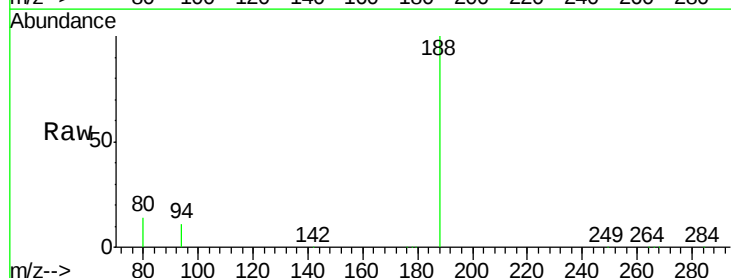
RT: 17.92 min Scan# 2972

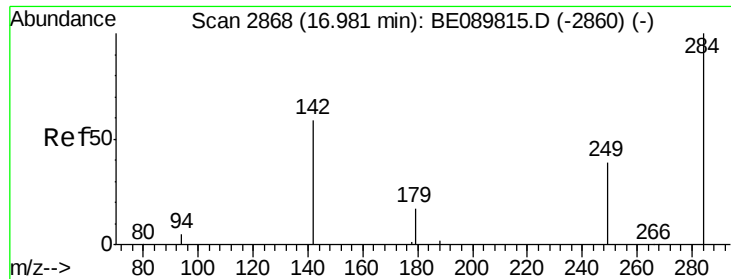
Delta R.T. -0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt Ion:	188	Resp:	552302
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	13.5	10.0	15.0





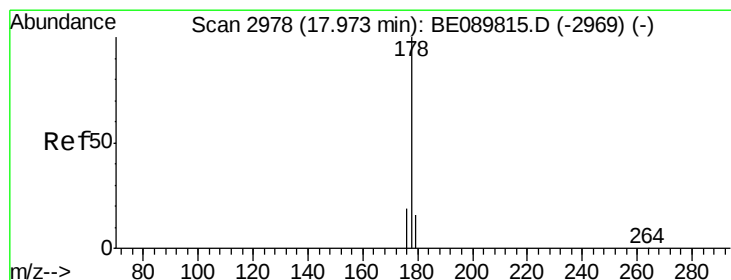
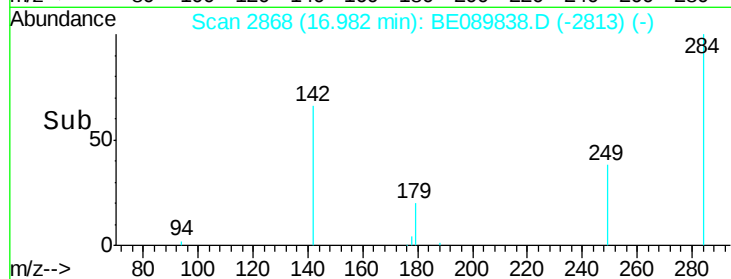
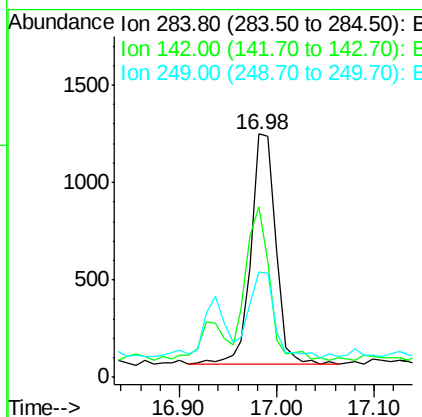
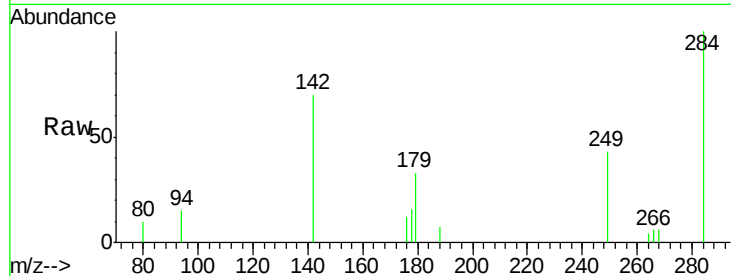
#14
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
284	100		
142	66.2	53.3	79.9
249	38.5	31.1	46.7

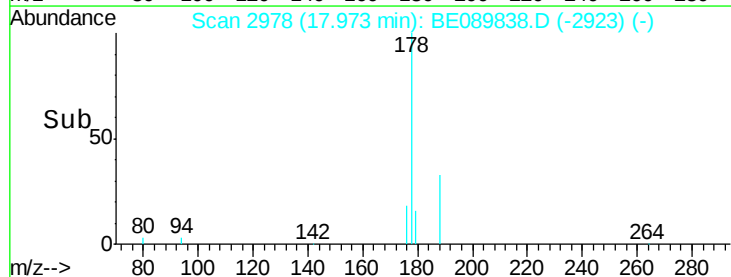
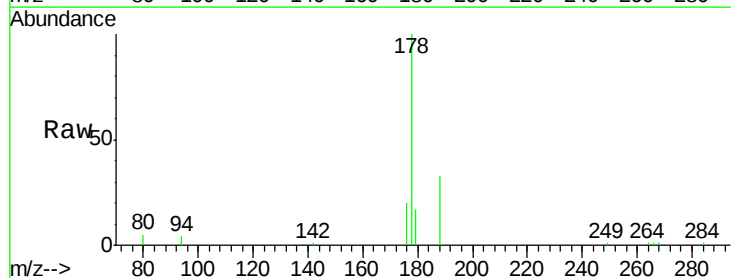
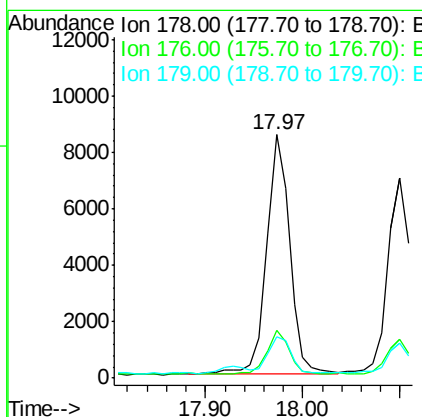
Manual Integrations
APPROVED

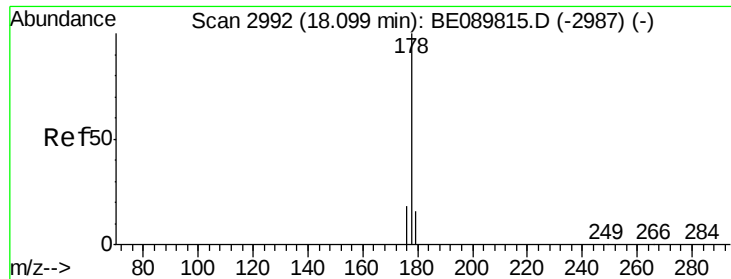
mohammad
3/25/2015 5:42:50 PM



#16
Phenanthrene
Concen: 0.12 ng
RT: 17.97 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	16.1	12.2	18.4





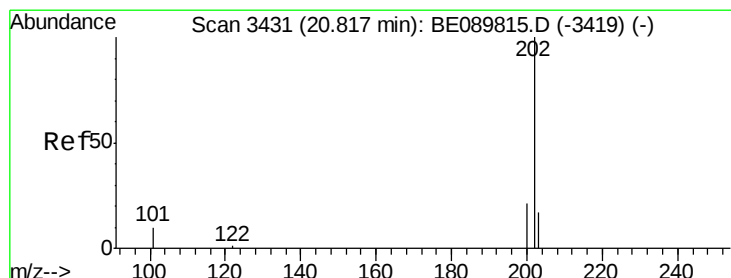
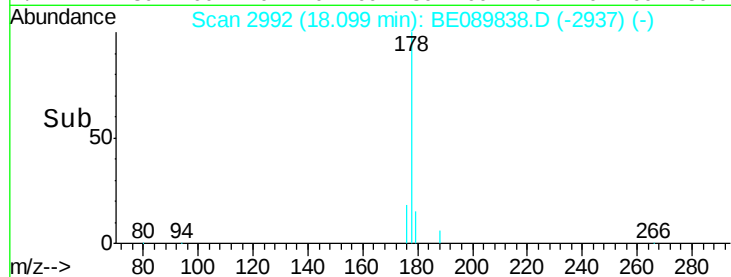
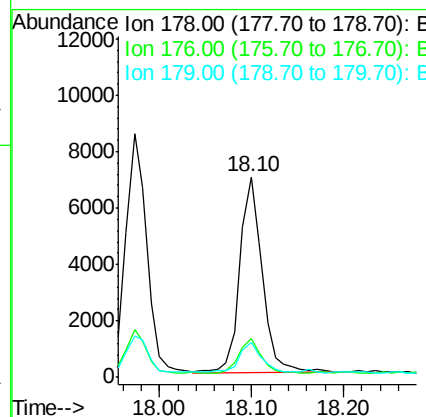
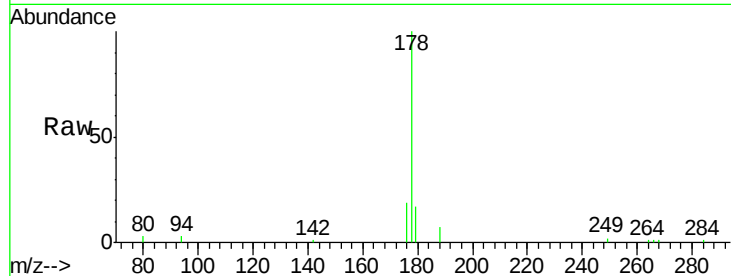
#17
 Anthracene
 Concen: 0.11 ng
 RT: 18.10 min Scan# 2992
 Delta R.T. -0.00 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.6	21.8
179	16.6	12.1	18.1

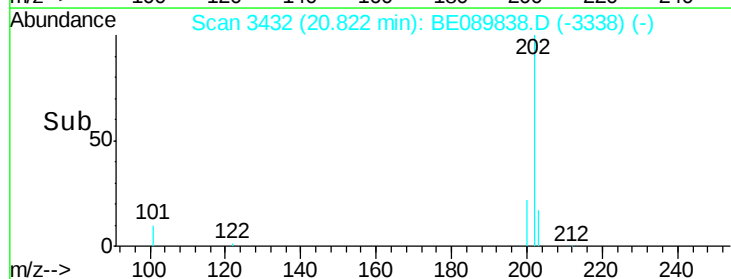
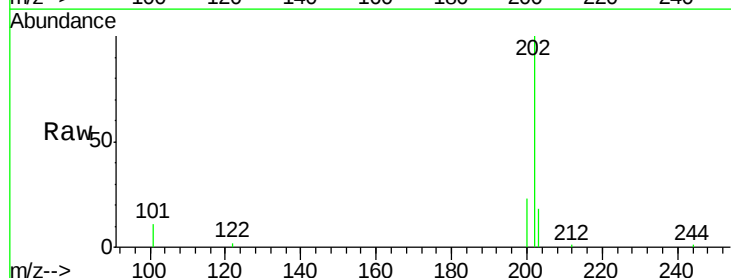
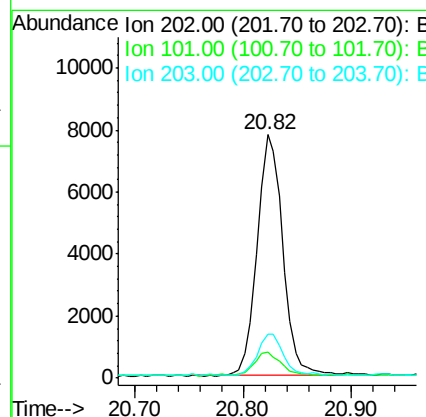
Manual Integrations
 APPROVED

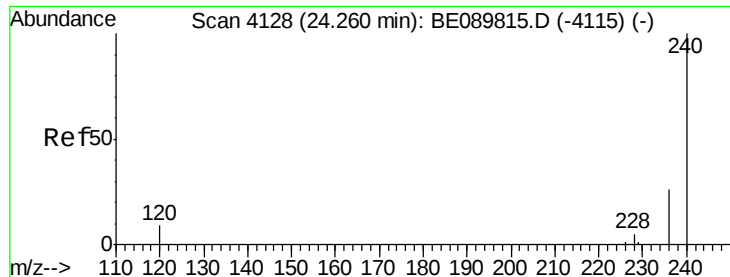
mohammad
 3/25/2015 5:42:50 PM



#18
 Fluoranthene
 Concen: 0.12 ng
 RT: 20.82 min Scan# 3432
 Delta R.T. 0.00 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.2	12.2
203	17.4	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BE089838.D

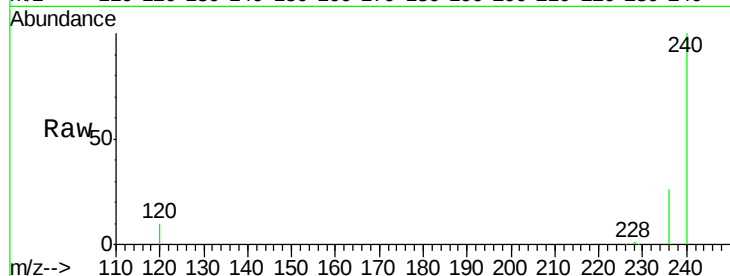
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

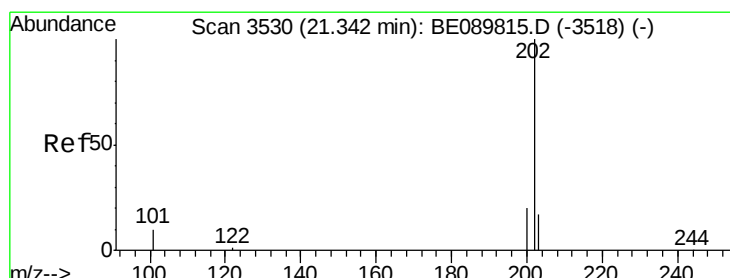
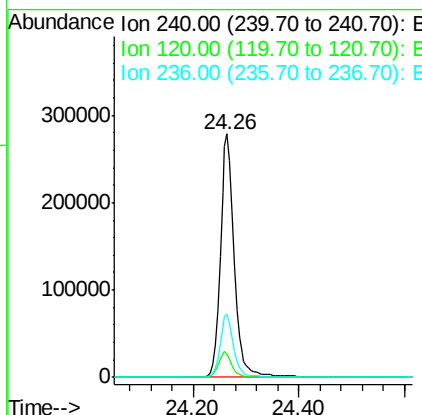
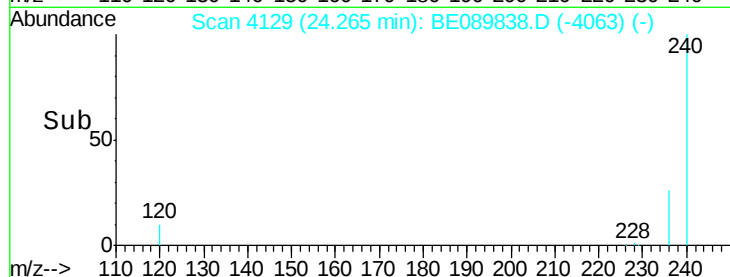
SSTDCCC001EC



Tgt	Ion	240	Resp:	509010
Ion	Ratio	Lower	Upper	
240	100			
120	9.8	7.5	11.3	
236	25.8	20.5	30.7	

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#20

Pyrene

Concen: 0.10 ng

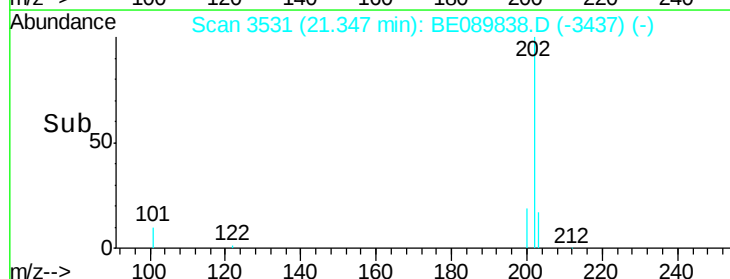
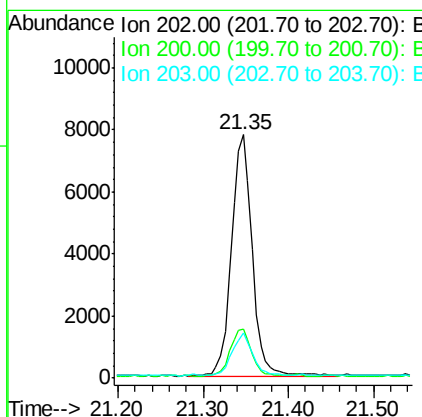
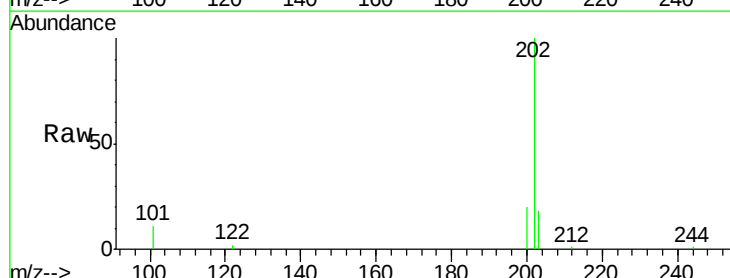
RT: 21.35 min Scan# 3531

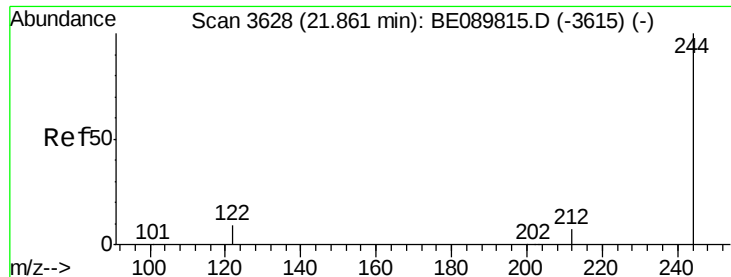
Delta R.T. 0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

Tgt	Ion	202	Resp:	13171
Ion	Ratio	Lower	Upper	
202	100			
200	20.3	15.9	23.9	
203	17.3	13.6	20.4	





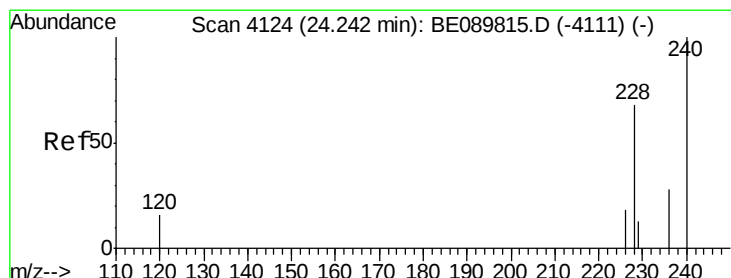
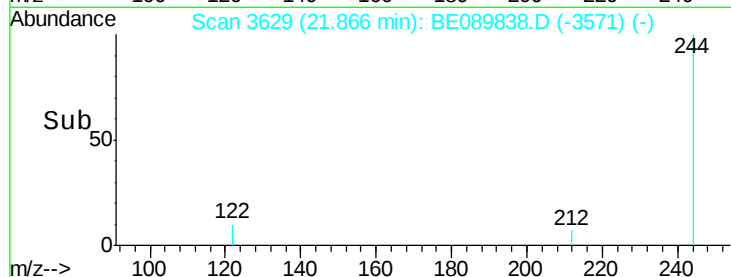
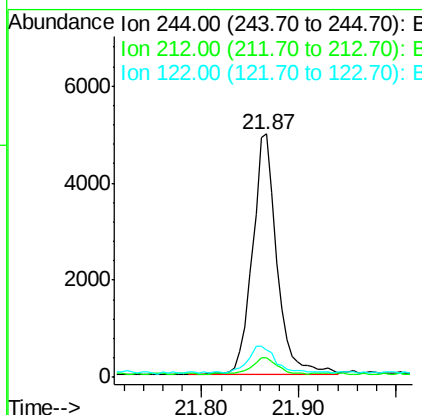
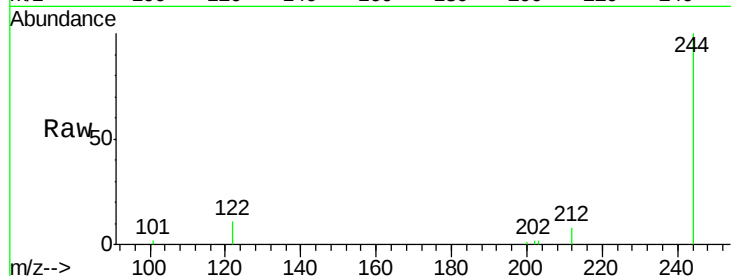
#21
 Terphenyl-d14
 Concen: 0.11 ng
 RT: 21.87 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.3	10.9
122	11.3	10.5	15.7

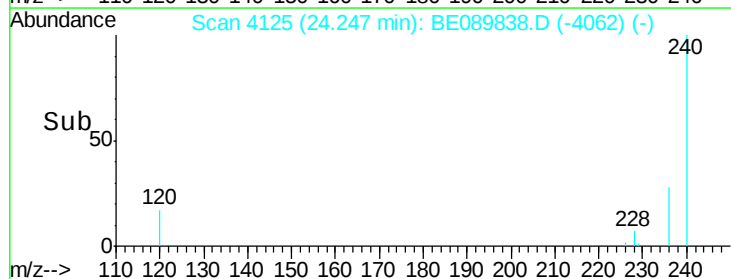
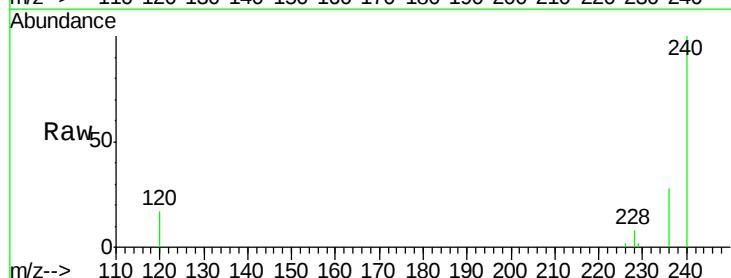
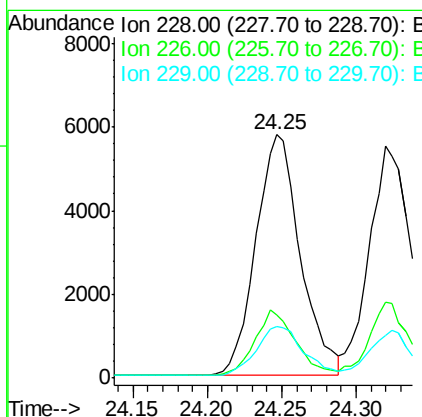
Manual Integrations
 APPROVED

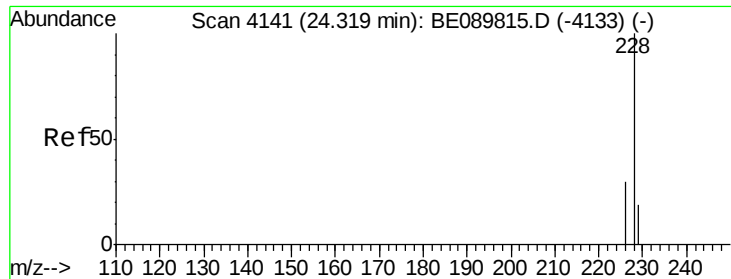
mohammad
 3/25/2015 5:42:50 PM



#22
 Benzo(a)anthracene
 Concen: 0.13 ng
 RT: 24.25 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	19.8	29.8
229	21.0	16.3	24.5





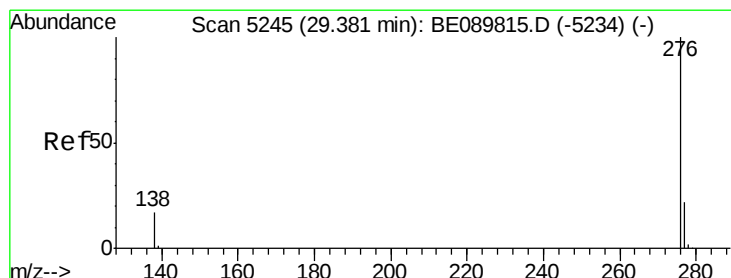
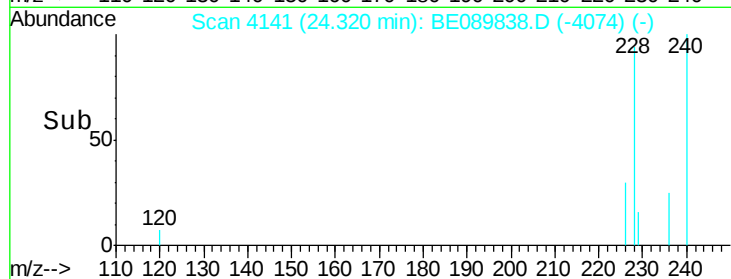
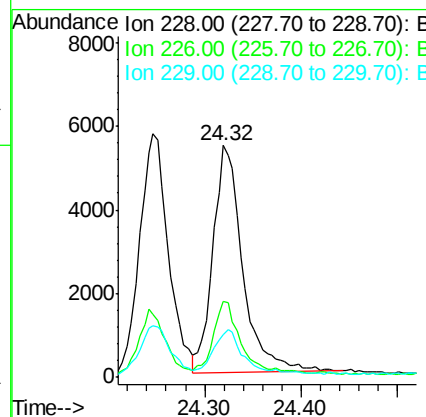
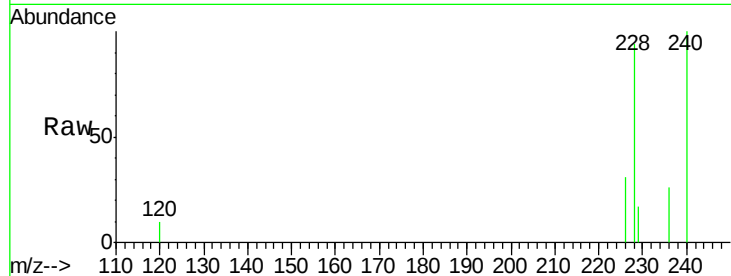
#23
Chrysene
Concen: 0.11 ng
RT: 24.32 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC

Tgt Ion:	228	Resp:	11680
Ion Ratio	Lower	Upper	
228	100		
226	32.9	23.0	34.4
229	18.5	15.8	23.6

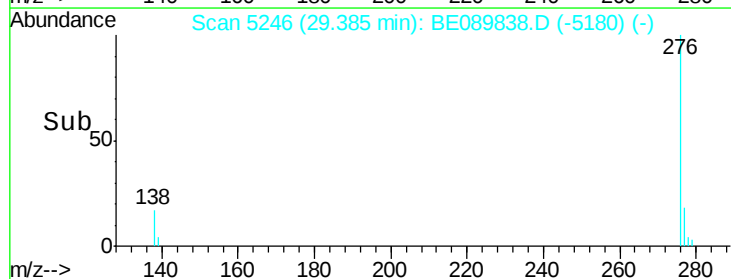
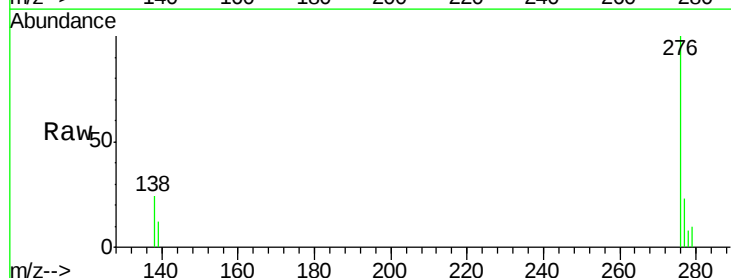
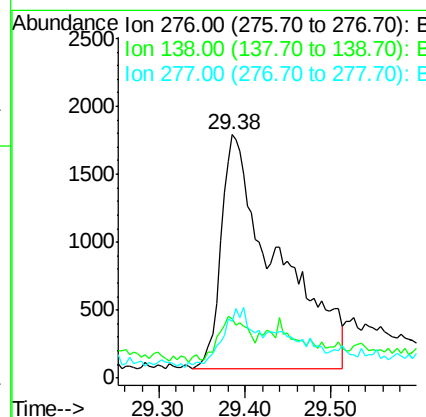
Manual Integrations
APPROVED

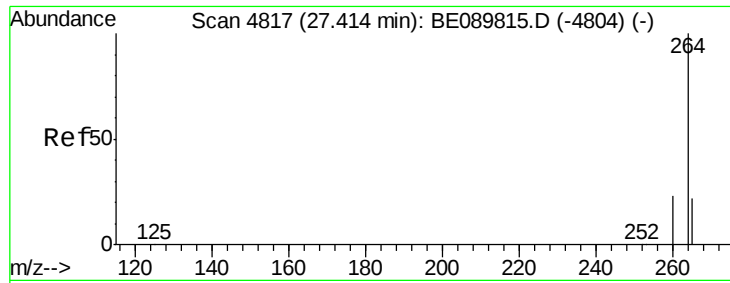
mohammad
3/25/2015 5:42:50 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 0.49 ng m
RT: 29.38 min Scan# 5246
Delta R.T. 0.00 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Tgt Ion:	276	Resp:	7814
Ion Ratio	Lower	Upper	
276	100		
138	9.3	4.3	6.5#
277	14.4	9.0	13.4#





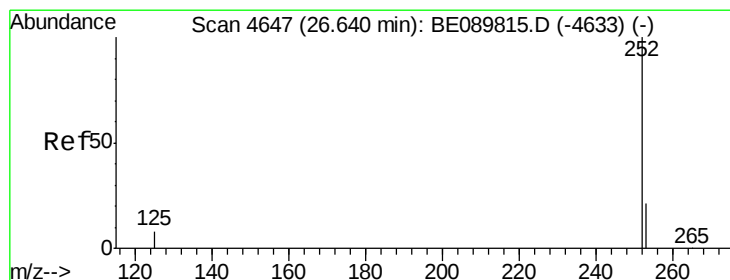
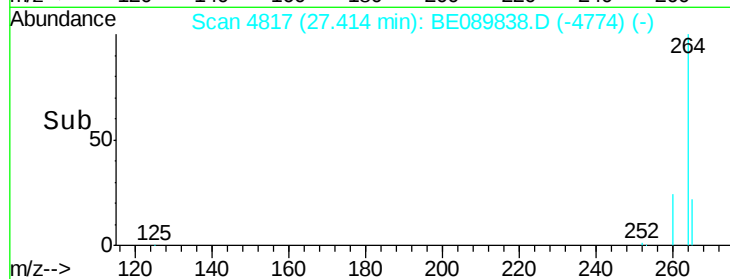
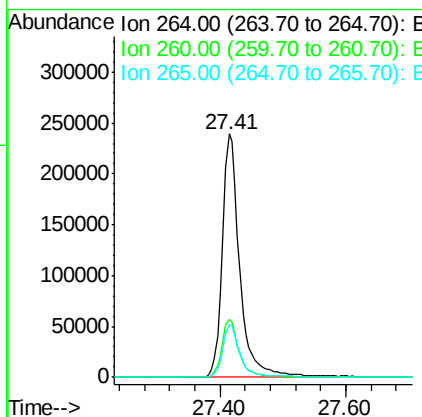
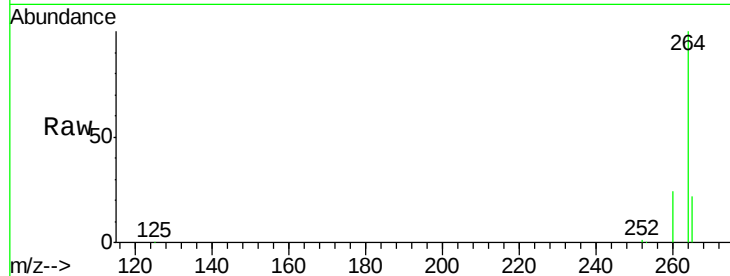
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. 0.00 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001EC

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	459690		
260	24.1	18.2	27.2	
265	21.7	17.3	25.9	

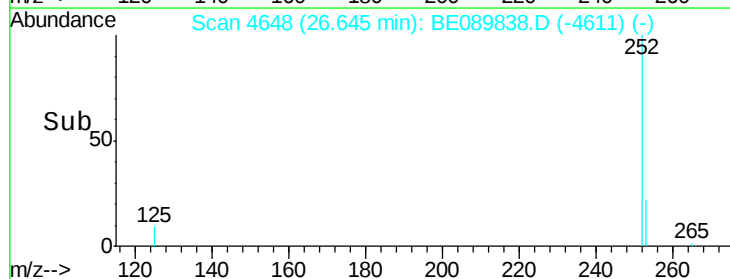
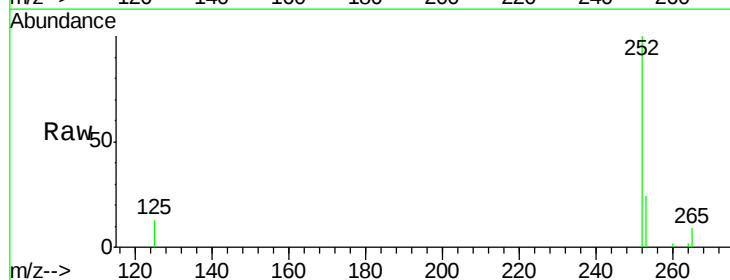
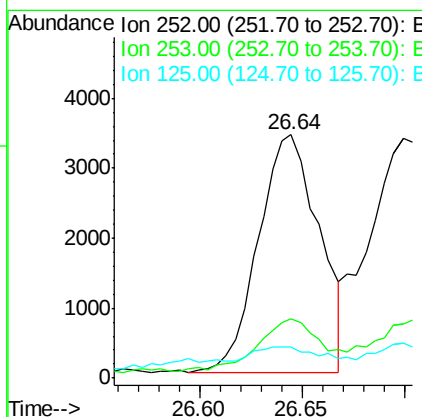
Manual Integrations
 APPROVED

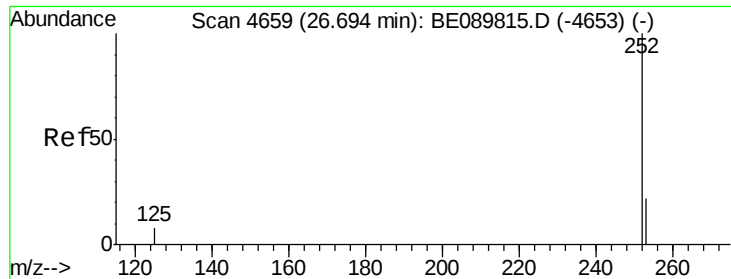
mohammad
 3/25/2015 5:42:50 PM



#26
 Benzo(b)fluoranthene
 Concen: 0.38 ng
 RT: 26.64 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BE089838.D
 Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	7013		
253	24.4	17.8	26.6	
125	12.6	8.7	13.1	





#27

Benzo(k)fluoranthene

Concen: 0.11 ng m

RT: 26.70 min Scan# 4660

Delta R.T. 0.00 min

Lab File: BE089838.D

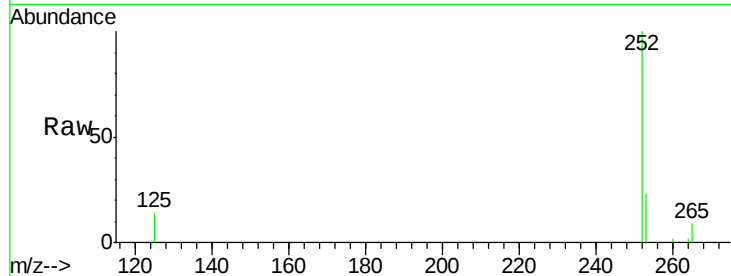
Acq: 25 Mar 2015 8:58

Instrument :

BNA_E

ClientSampleId :

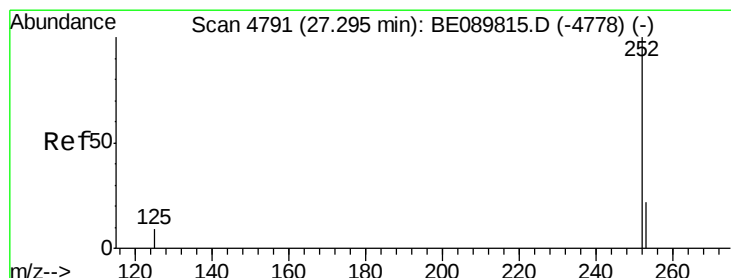
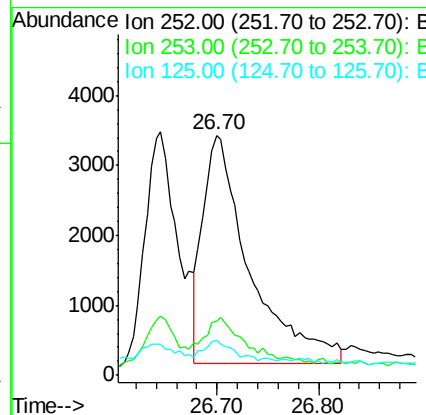
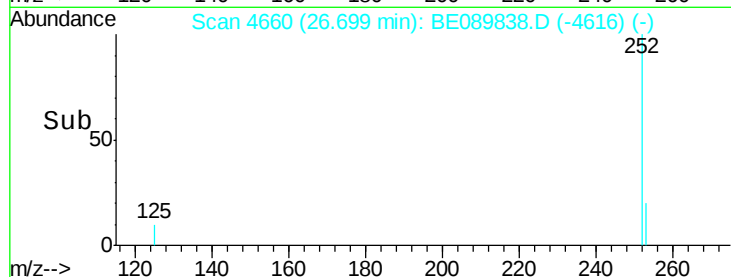
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	28.0
125	14.4	10.8	16.2

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#28

Benzo(a)pyrene

Concen: 0.37 ng

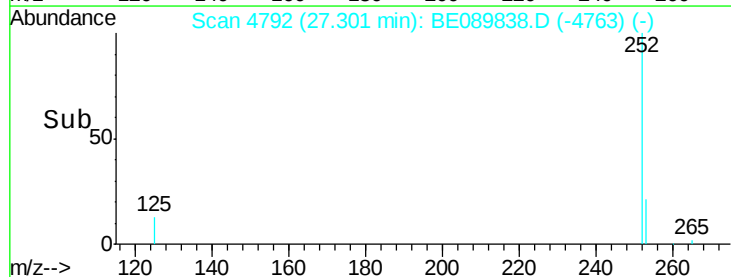
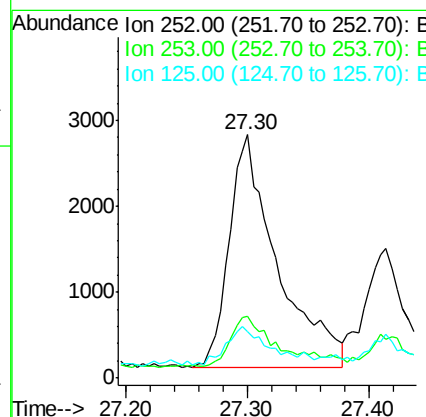
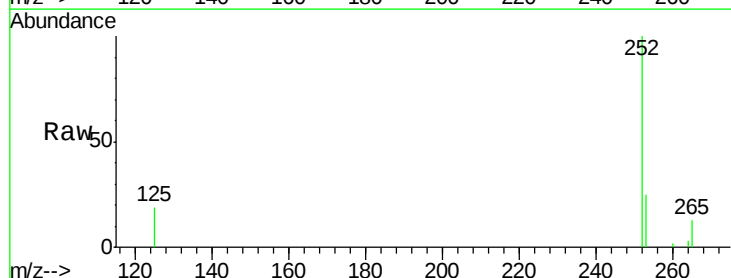
RT: 27.30 min Scan# 4792

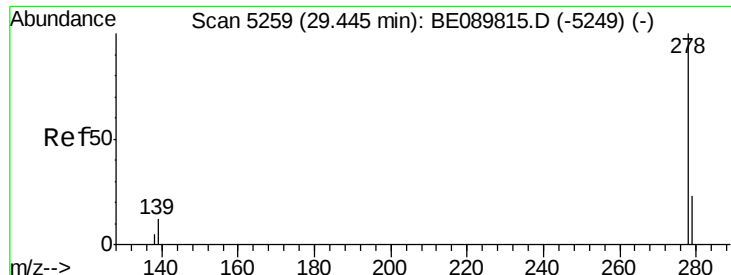
Delta R.T. 0.00 min

Lab File: BE089838.D

Acq: 25 Mar 2015 8:58

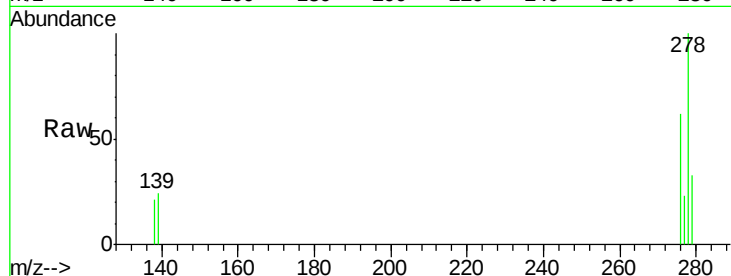
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	21.0	31.4
125	18.9	13.3	19.9





#29
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 29.45 min Scan# 5261
Delta R.T. 0.01 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

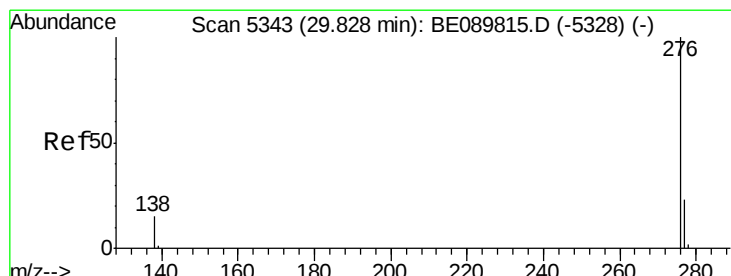
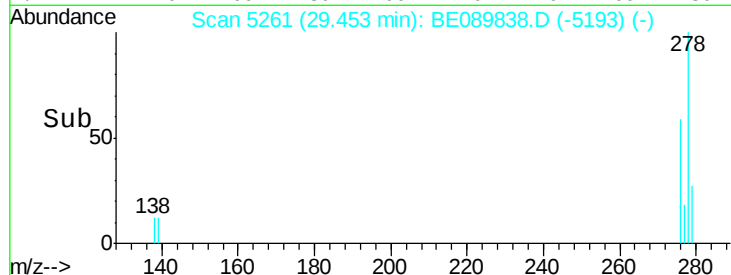
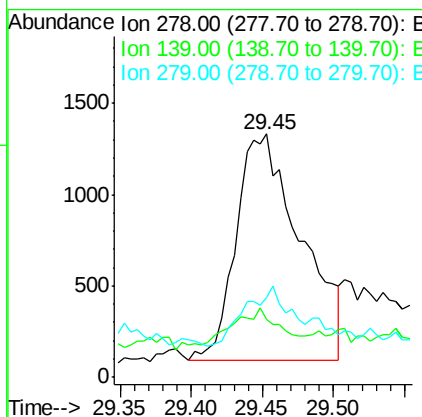
Instrument :
BNA_E
ClientSampleId :
SSTDCCC001EC



Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	20.0	30.0
279	32.9	28.9	43.3

Manual Integrations
APPROVED

mohammad
3/25/2015 5:42:50 PM



#30
Benzo(g,h,i)perylene
Concen: 0.34 ng
RT: 29.84 min Scan# 5345
Delta R.T. 0.01 min
Lab File: BE089838.D
Acq: 25 Mar 2015 8:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	25.0	22.9	34.3

