

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089818.D
 Acq On : 24 Mar 2015 16:51
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

mohammad
 3/25/2015 5:43:26 PM

Quant Time: Mar 24 17:37:17 2015

Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 24 16:39:03 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	169809	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	709768	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	318250	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	550721	5.00	ng	0.00
19) Chrysene-d12	24.26	240	564330	5.00	ng	0.00
25) Perylene-d12	27.41	264	503535	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	527022	13.65	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	783753	10.60	ng	0.00
21) Terphenyl-d14	21.86	244	818600	9.81	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.53	88	219488	9.30	ng	92
3) n-Nitrosodimethylamine	2.94	42	364131	11.48	ng	# 85
6) Naphthalene	10.31	128	1354540	9.61	ng	96
7) 2-Methylnaphthalene	11.93	142	835193	10.83	ng	99
10) Acenaphthylene	14.04	152	4927843	10.95	ng	99
11) Acenaphthene	14.47	154	707919	10.18	ng	84
12) Fluorene	15.71	166	875214	10.40	ng	94
14) Hexachlorobenzene	16.99	284	179674	9.79	ng	95
15) Pentachlorophenol	17.50	266	73314	0.82	ng	99
16) Phenanthrene	17.98	178	1213262	10.03	ng	100
17) Anthracene	18.10	178	1193987	11.20	ng	99
18) Fluoranthene	20.82	202	1298704	12.23	ng	100
20) Pyrene	21.35	202	1343929	9.31	ng	97
22) Benzo(a)anthracene	24.25	228	1209062	11.70	ng	98
23) Chrysene	24.32	228	1197648	10.46	ng	98
24) Indeno(1,2,3-cd)pyrene	29.39	276	1204729m	21.03	ng	
26) Benzo(b)fluoranthene	26.64	252	1115889	15.98	ng	98
27) Benzo(k)fluoranthene	26.70	252	1222178m	12.17	ng	
28) Benzo(a)pyrene	27.30	252	1041519	15.80	ng	# 89
29) Dibenzo(a,h)anthracene	29.45	278	999722	22.31	ng	# 78
30) Benzo(g,h,i)perylene	29.84	276	1080987	15.10	ng	# 89

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

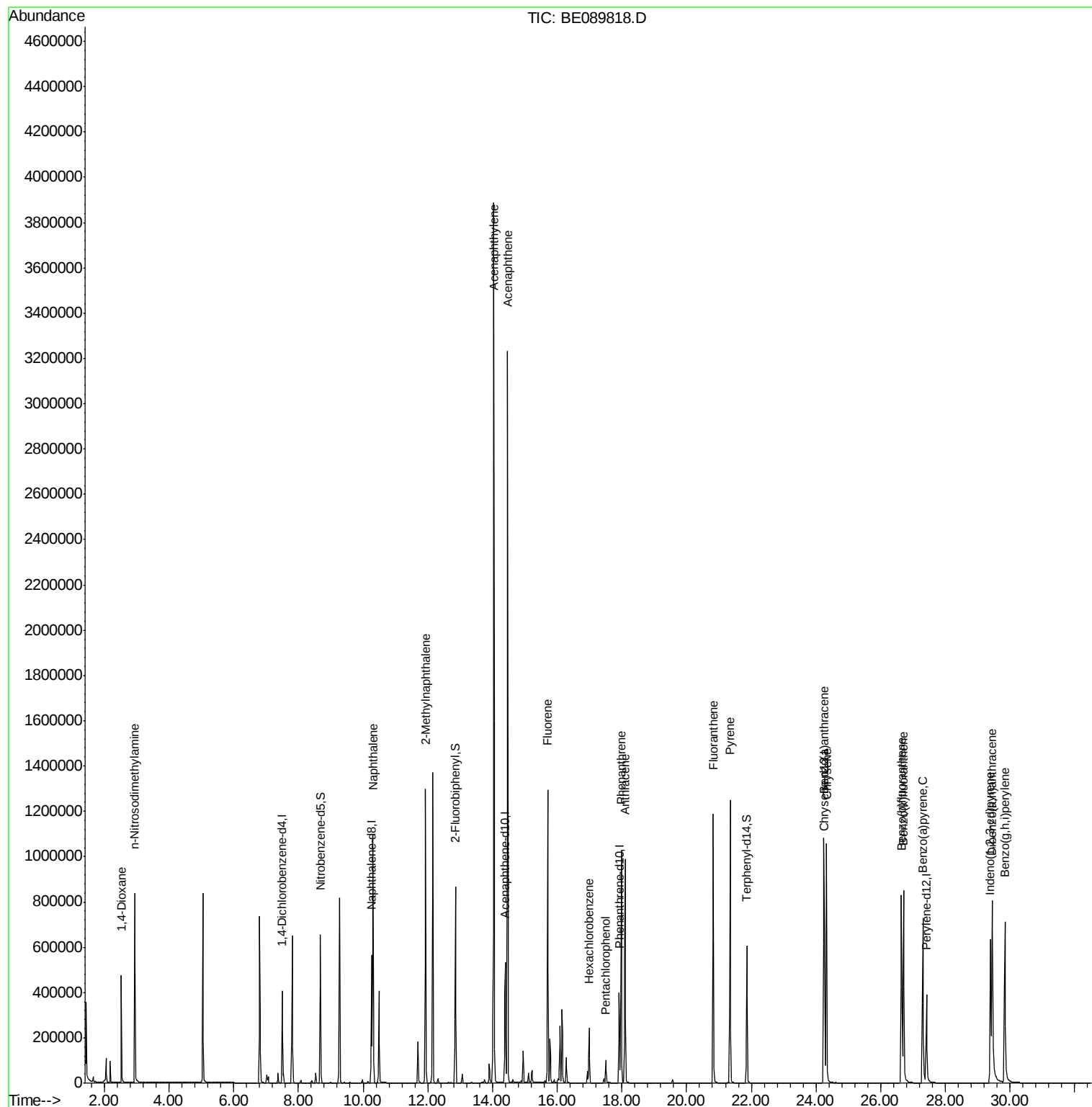
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089818.D
Acq On : 24 Mar 2015 16:51
Operator : TP/JJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

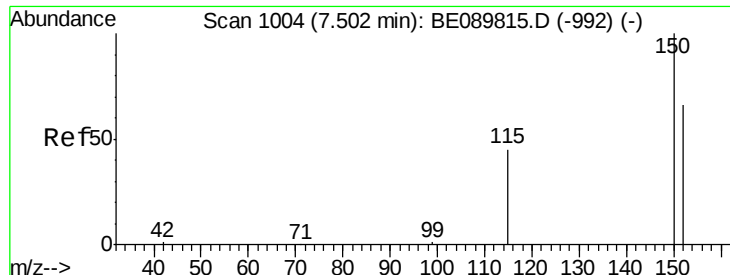
Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM

Quant Time: Mar 24 17:37:17 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 24 16:39:03 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: BE089818.D

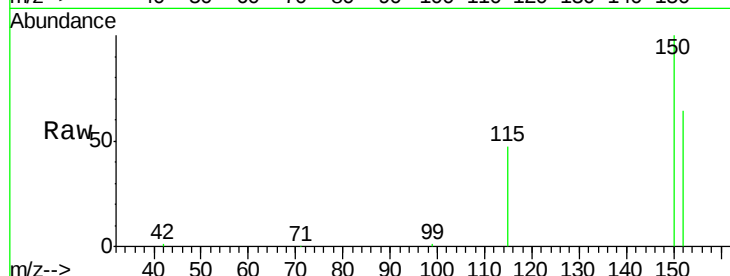
Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010



Tgt Ion: 152 Resp: 169809

Ion Ratio Lower Upper

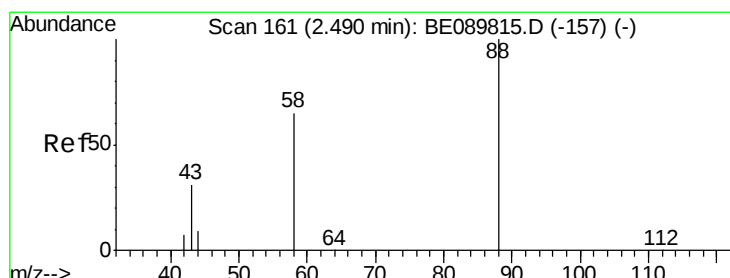
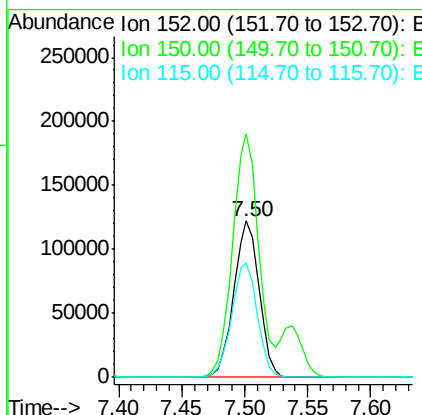
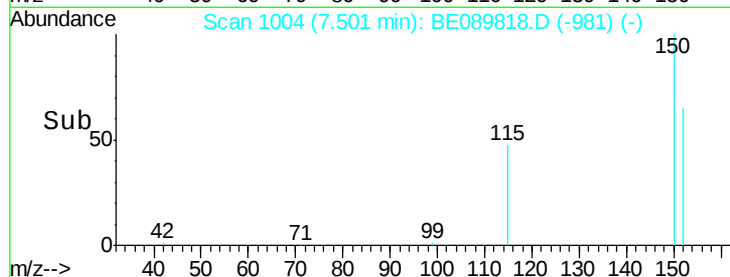
152 100

150 155.6 125.5 188.3

115 73.0 58.0 87.0

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#2

1,4-Dioxane

Concen: 9.30 ng

RT: 2.53 min Scan# 167

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

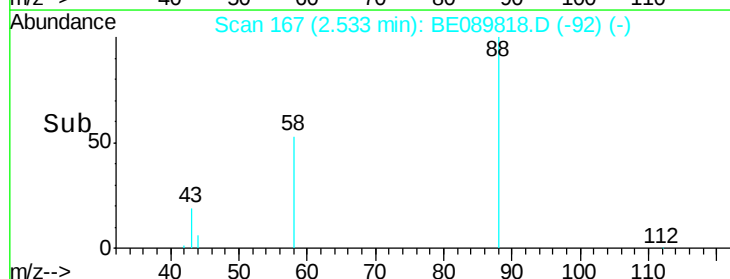
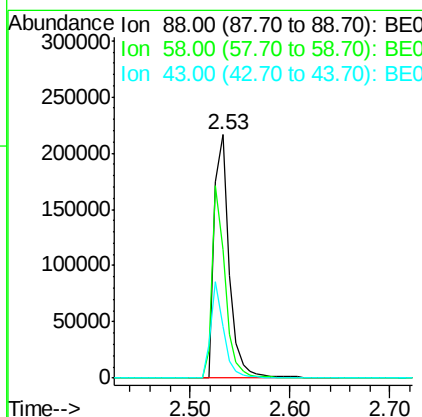
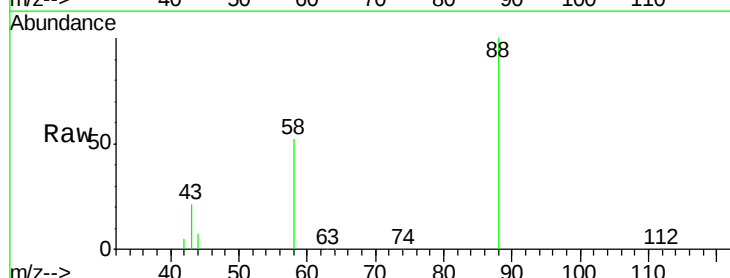
Tgt Ion: 88 Resp: 219488

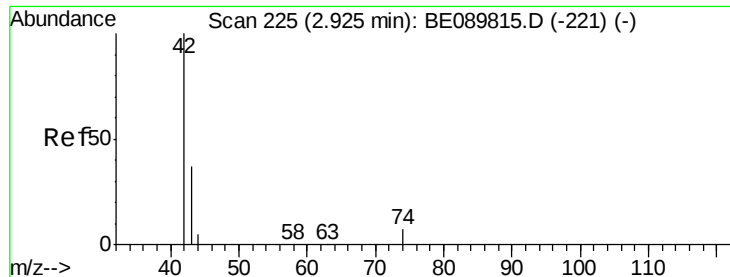
Ion Ratio Lower Upper

88 100

58 70.1 48.6 72.8

43 35.0 28.6 43.0





#3

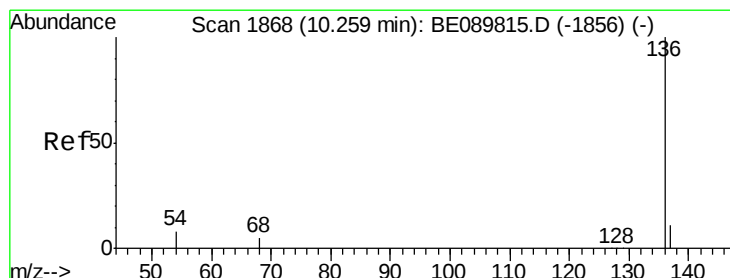
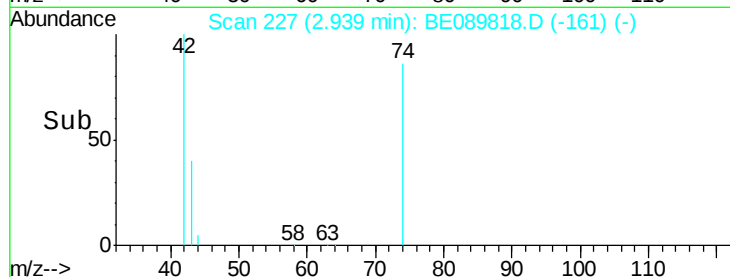
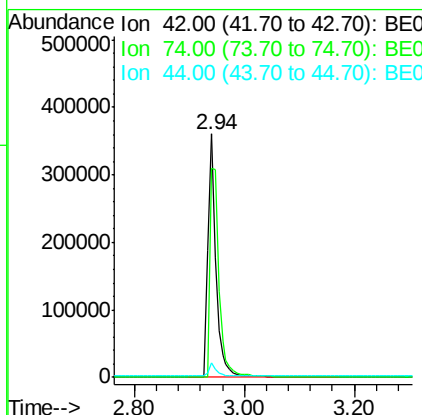
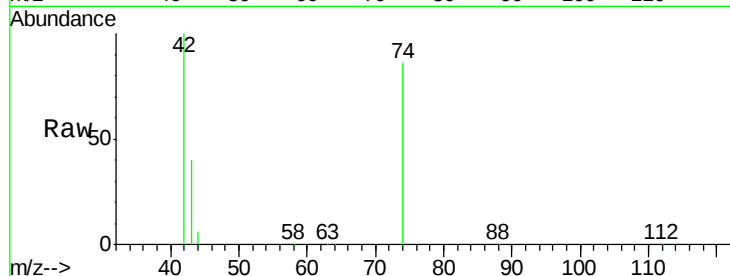
n-Nitrosodimethylamine
 Concen: 11.48 ng
 RT: 2.94 min Scan# 227
 Delta R.T. -0.05 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	364131		
74	100.7	68.7	103.1	
44	5.1	6.2	9.4	

Manual Integrations
 APPROVED

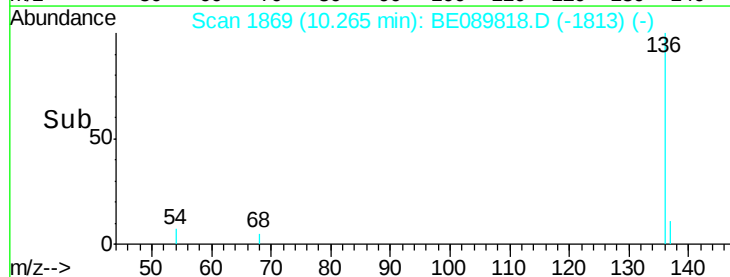
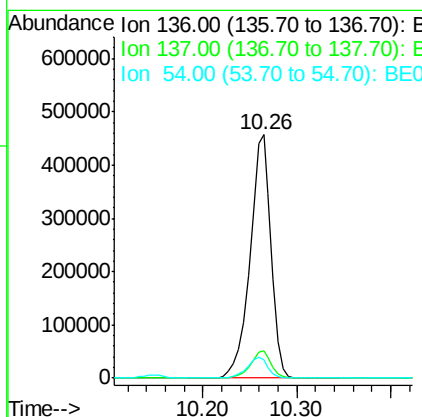
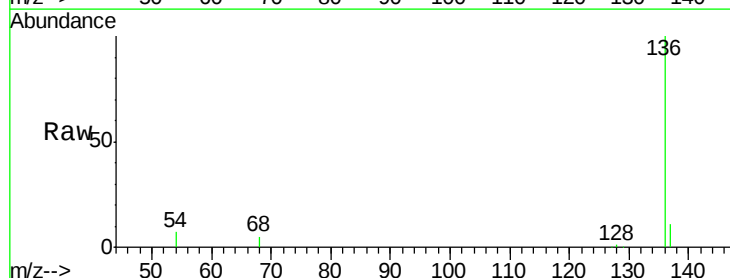
mohammad
 3/25/2015 5:43:26 PM

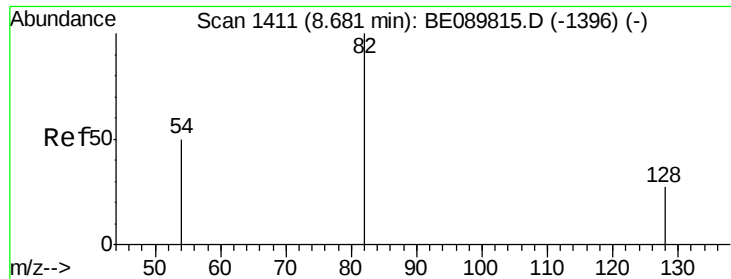


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	709768		
137	11.0	8.8	13.2	
54	7.3	7.0	10.4	





#5

Nitrobenzene-d5

Concen: 13.65 ng

RT: 8.68 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE089818.D

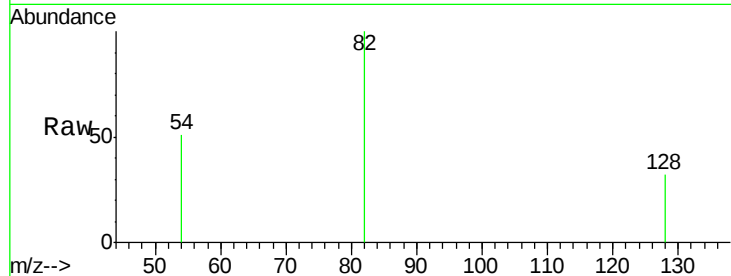
Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010



Tgt Ion: 82 Resp: 527022

Ion Ratio Lower Upper

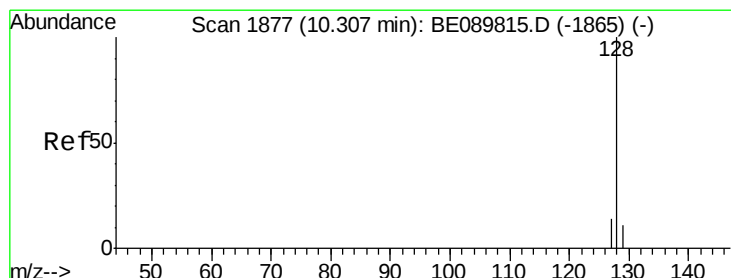
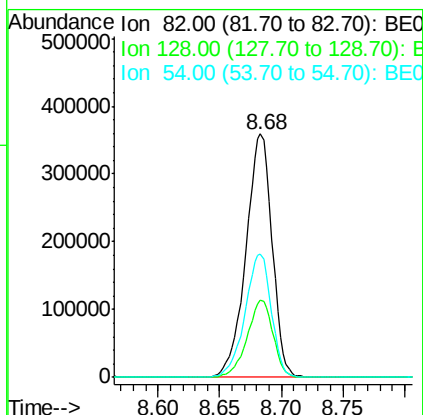
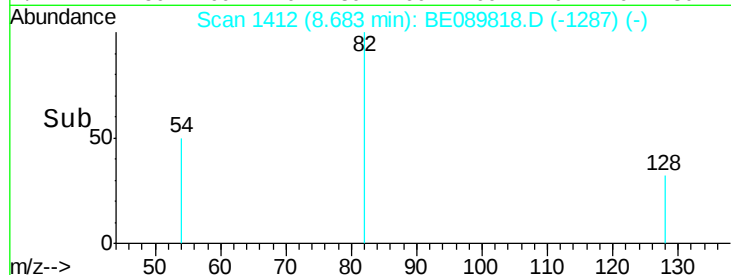
82 100

128 31.7 24.6 37.0

54 50.7 43.0 64.6

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#6

Naphthalene

Concen: 9.61 ng

RT: 10.31 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

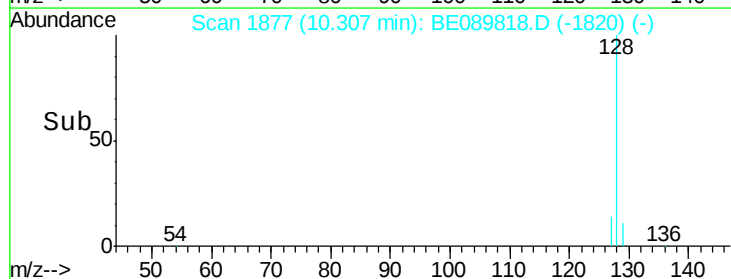
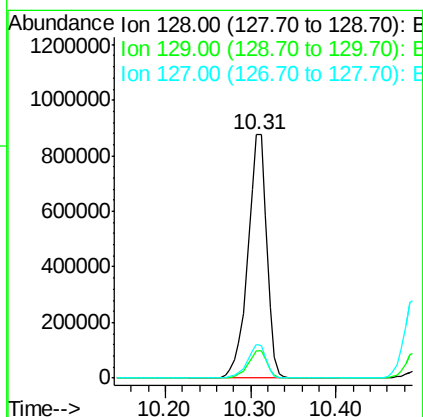
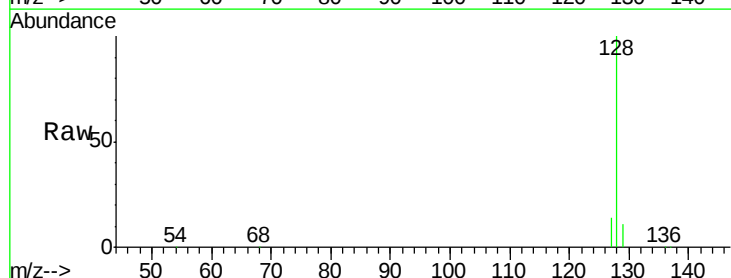
Tgt Ion: 128 Resp: 1354540

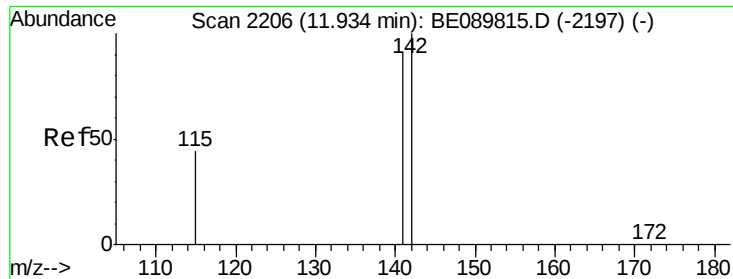
Ion Ratio Lower Upper

128 100

129 11.2 10.0 15.0

127 14.1 12.5 18.7





#7

2-Methylnaphthalene

Concen: 10.83 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

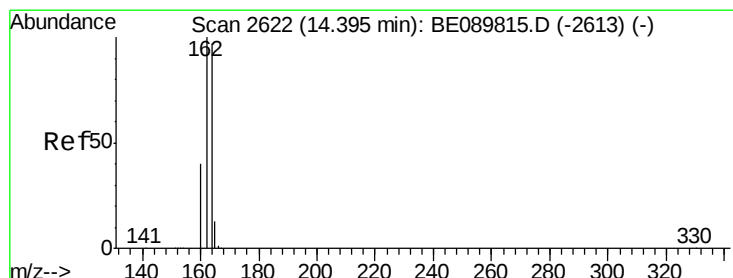
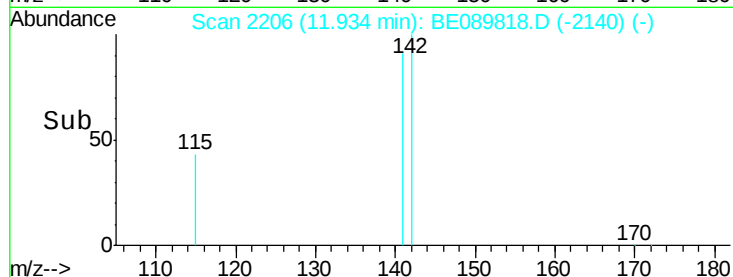
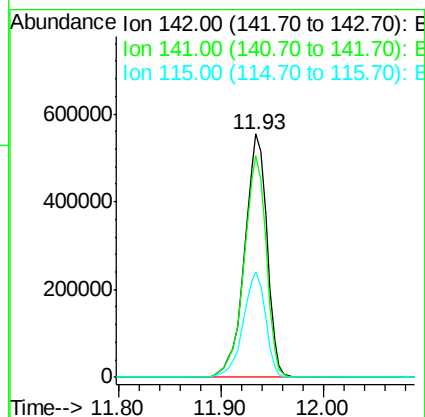
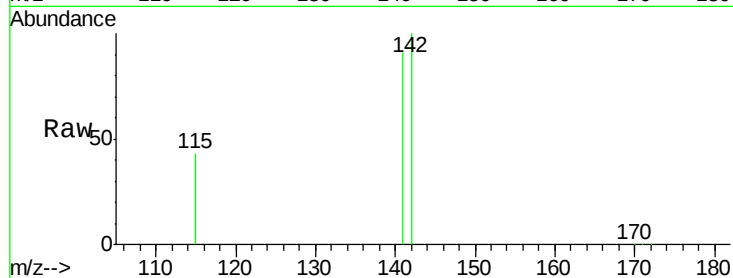
ClientSampleId :

SSTDIC010

Tgt Ion:	142	Resp:	835193
Ion Ratio	Lower	Upper	
142	100		
141	90.9	72.8	109.2
115	43.4	32.9	49.3

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#8

Acenaphthene-d10

Concen: 5.00 ng

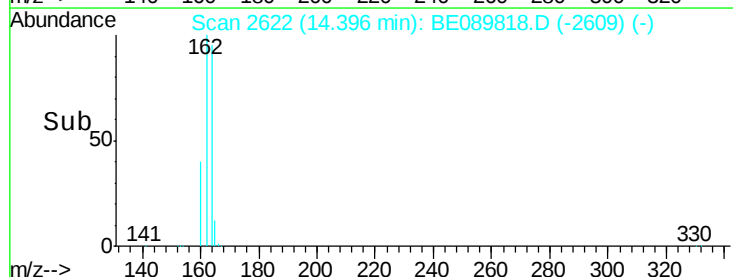
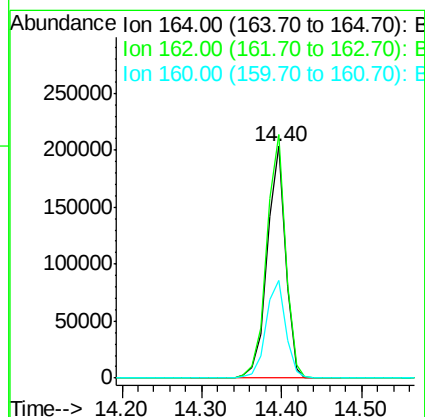
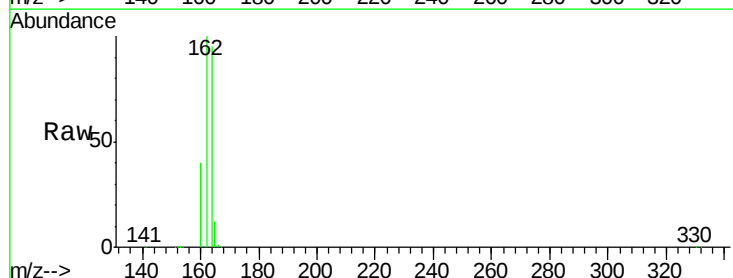
RT: 14.40 min Scan# 2622

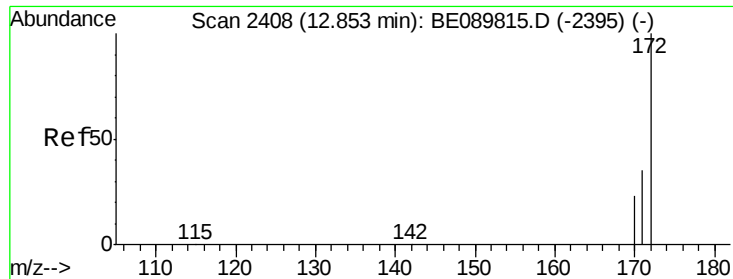
Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Tgt Ion:	164	Resp:	318250
Ion Ratio	Lower	Upper	
164	100		
162	105.0	87.6	131.4
160	42.1	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 10.60 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

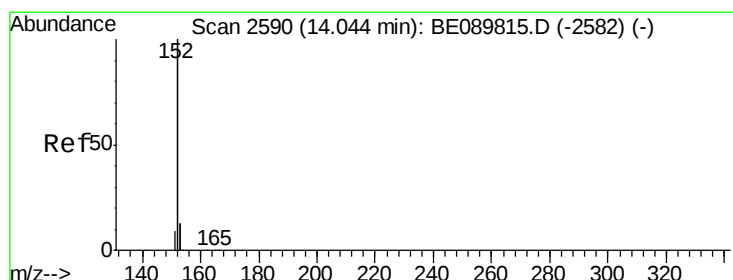
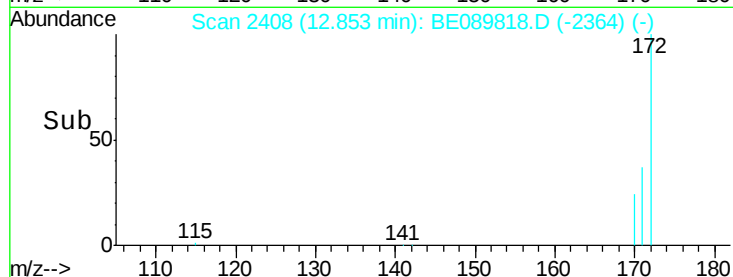
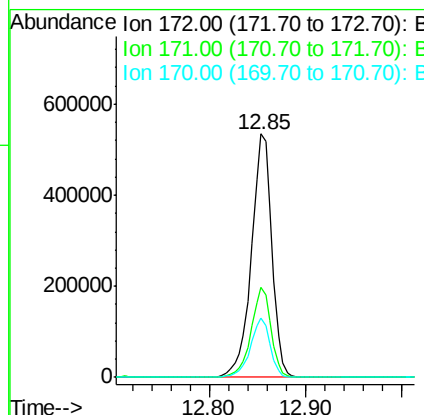
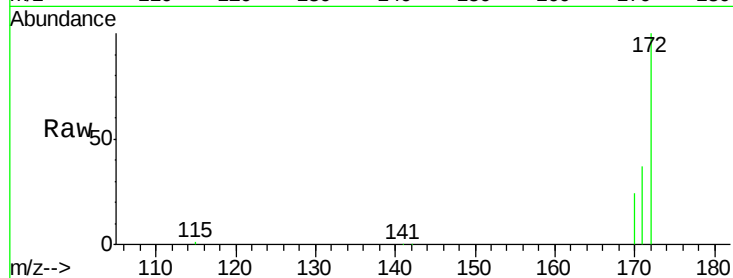
ClientSampleId :

SSTDIC010

Tgt Ion:	172	Resp:	783753
Ion Ratio	Lower	Upper	
172	100		
171	36.7	30.8	46.2
170	24.3	21.0	31.4

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#10

Acenaphthylene

Concen: 10.95 ng

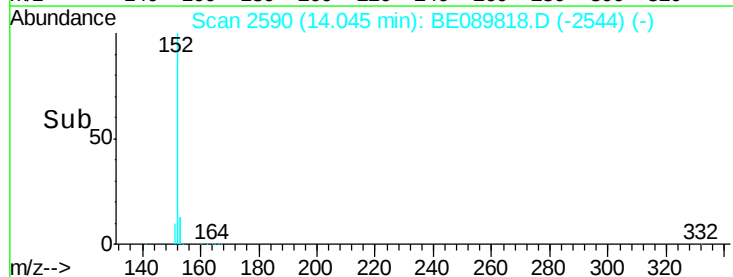
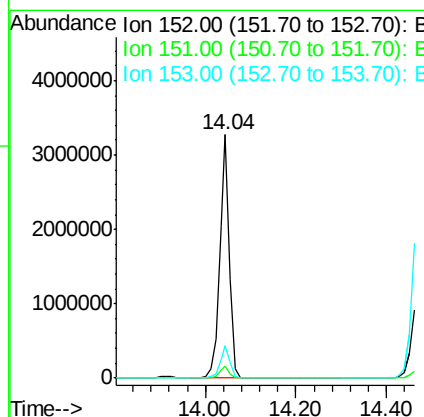
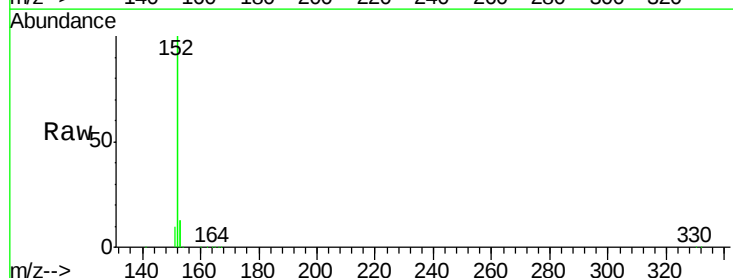
RT: 14.04 min Scan# 2590

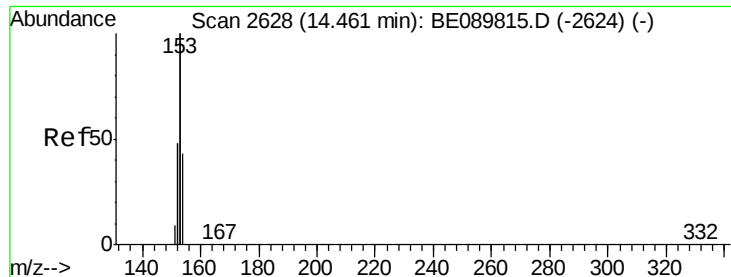
Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Tgt Ion:	152	Resp:	4927843
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	13.3	11.0	16.4





#11

Acenaphthene

Concen: 10.18 ng

RT: 14.47 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

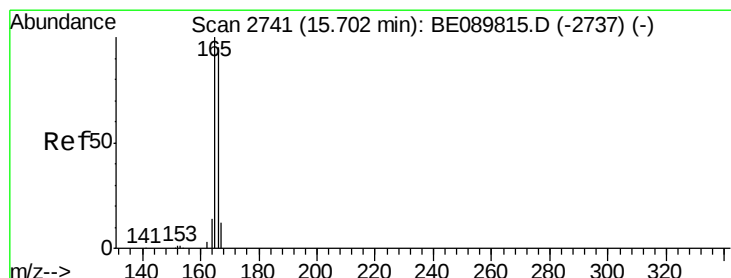
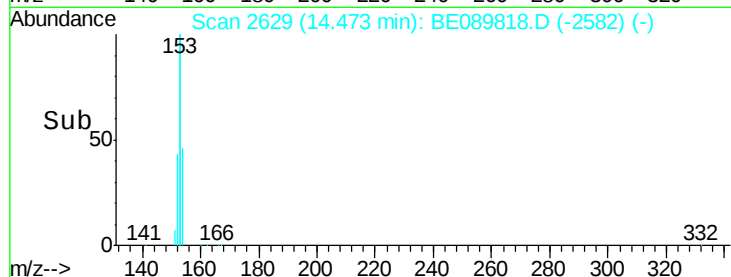
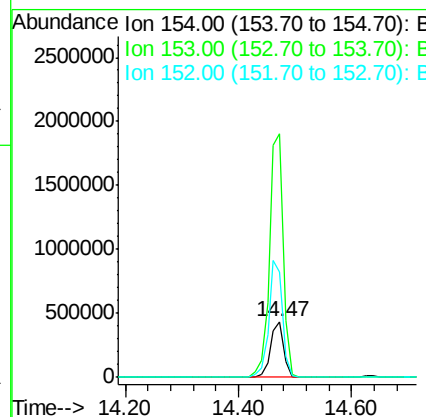
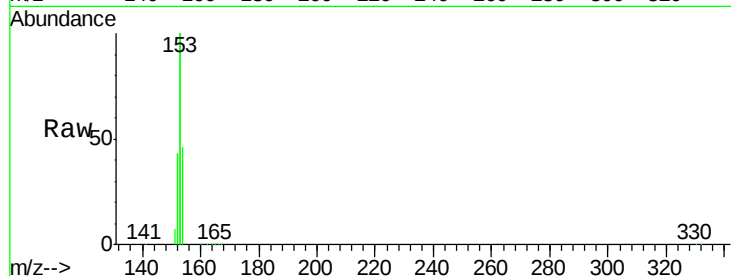
ClientSampleId :

SSTDIC010

Tgt Ion:	154	Resp:	707919
Ion Ratio	Lower	Upper	
154	100		
153	460.6	401.5	602.3
152	217.3	198.6	298.0

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#12

Fluorene

Concen: 10.40 ng

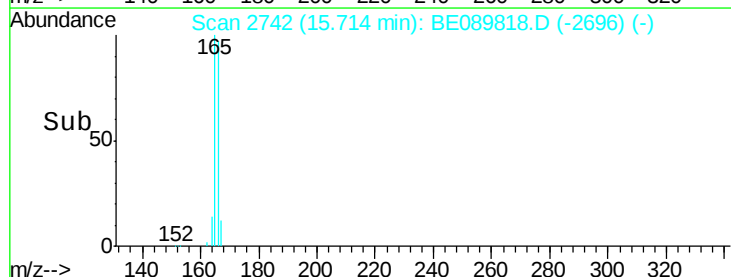
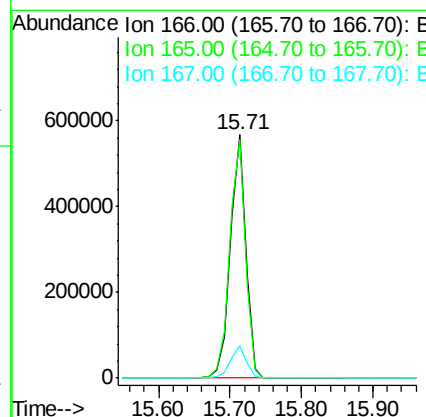
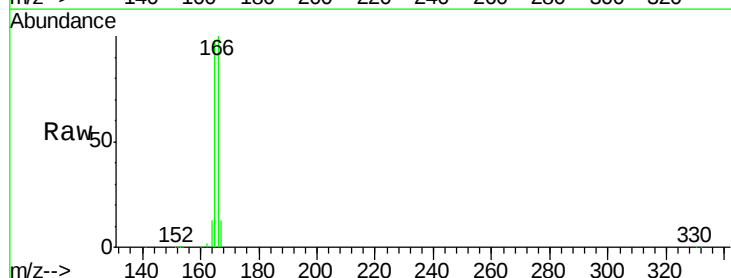
RT: 15.71 min Scan# 2742

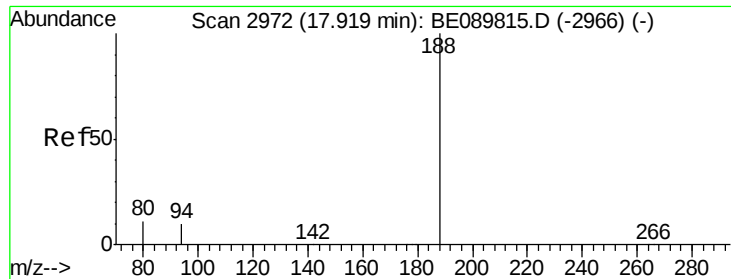
Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Tgt Ion:	166	Resp:	875214
Ion Ratio	Lower	Upper	
166	100		
165	100.0	85.1	127.7
167	13.3	12.2	18.4





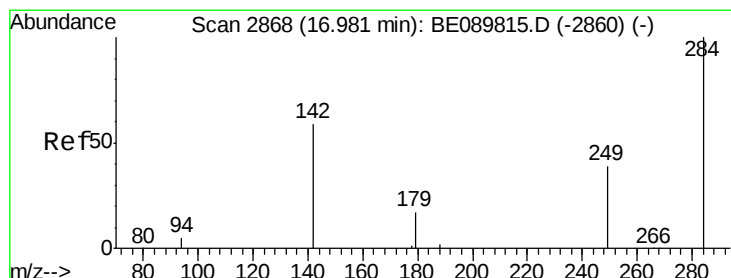
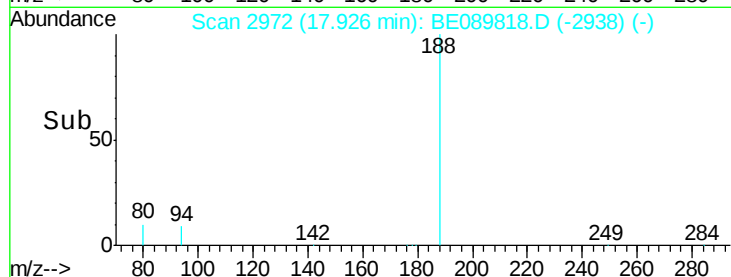
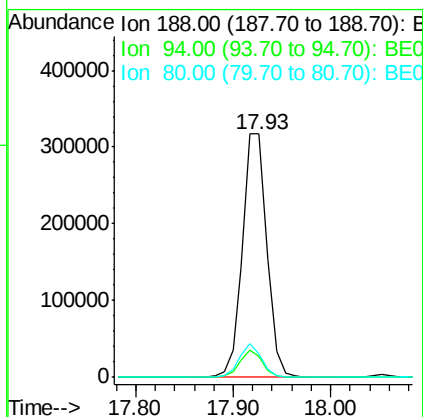
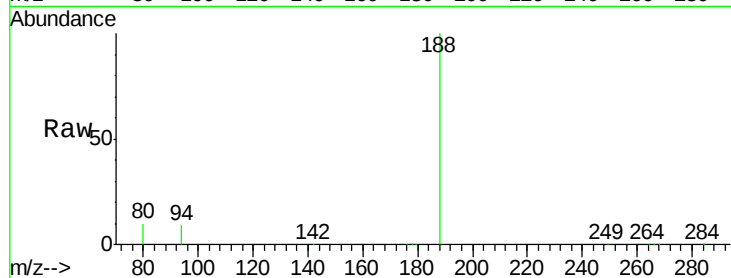
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2972
Delta R.T. 0.01 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	8.5	12.7
80	9.7	10.0	15.0#

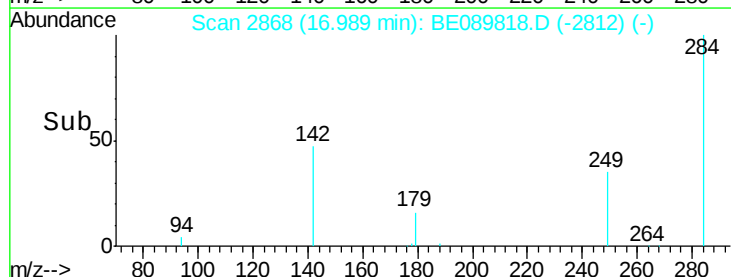
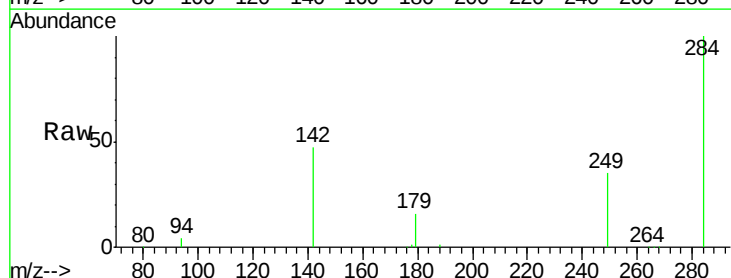
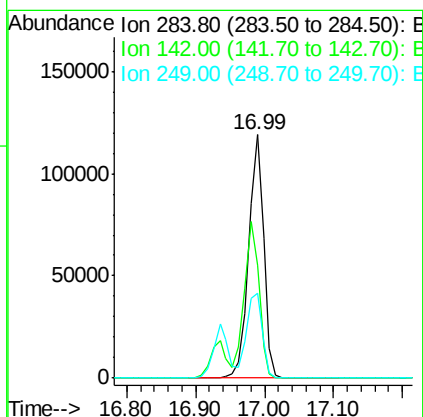
Manual Integrations
APPROVED

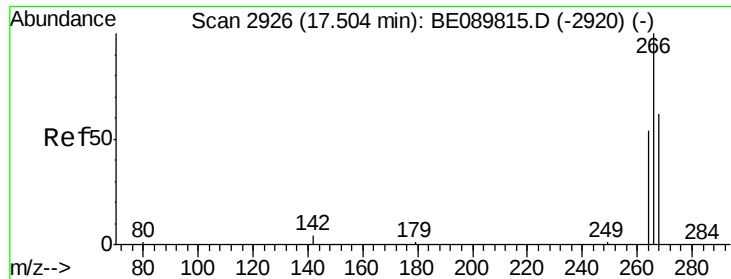
mohammad
3/25/2015 5:43:26 PM



#14
Hexachlorobenzene
Concen: 9.79 ng
RT: 16.99 min Scan# 2868
Delta R.T. 0.01 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	62.8	53.3	79.9
249	35.5	31.1	46.7





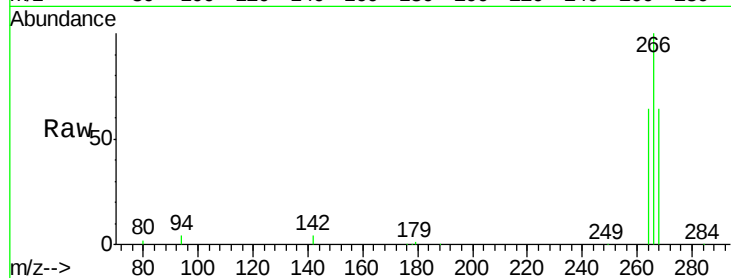
#15
 Pentachlorophenol
 Concen: 0.82 ng
 RT: 17.50 min Scan# 2925
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.6	77.4
264	64.3	50.2	75.2

Manual Integrations
 APPROVED

mohammad
 3/25/2015 5:43:26 PM

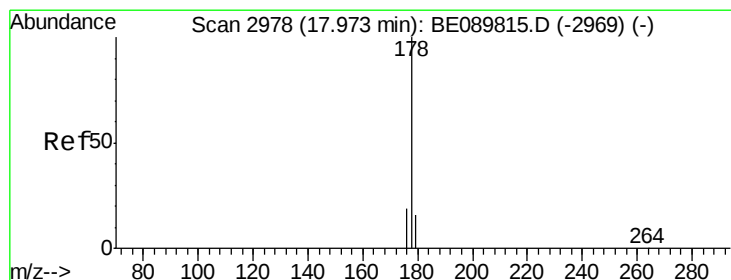
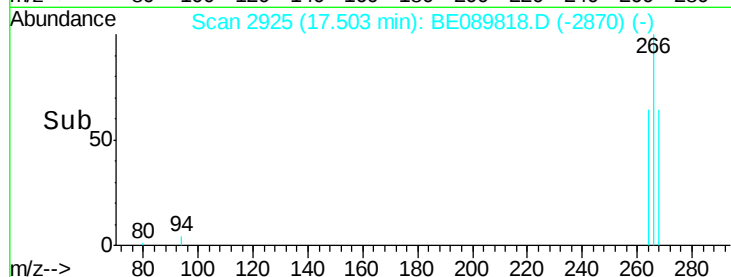
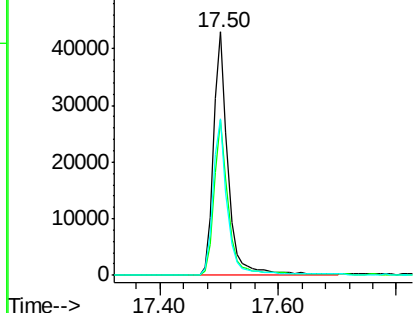


Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#16
 Phenanthrene
 Concen: 10.03 ng
 RT: 17.98 min Scan# 2978
 Delta R.T. 0.01 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

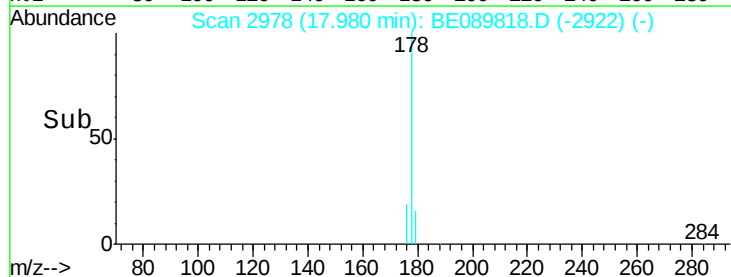
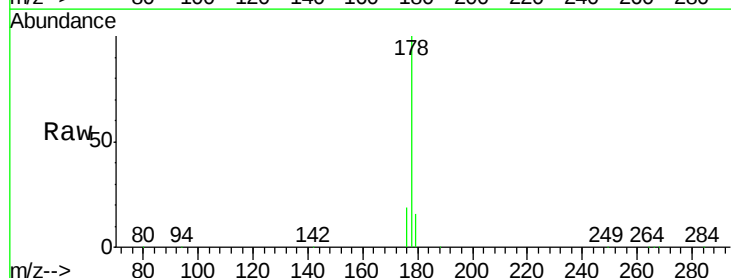
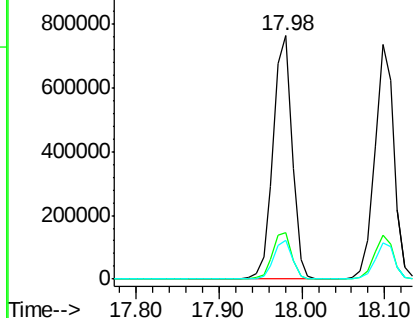
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.2	18.4

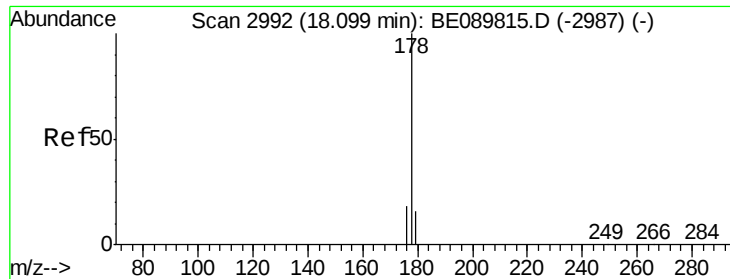
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





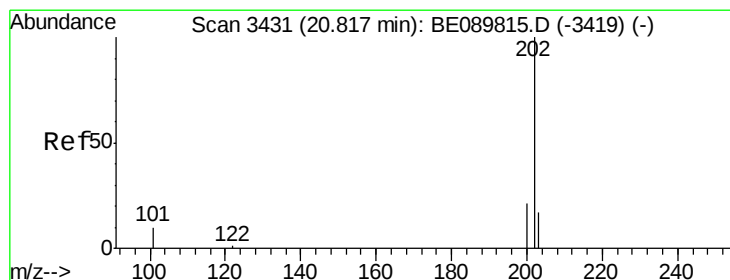
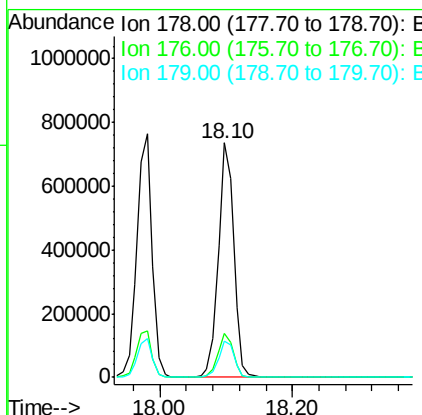
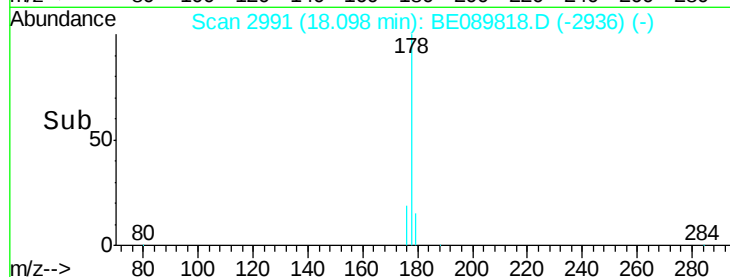
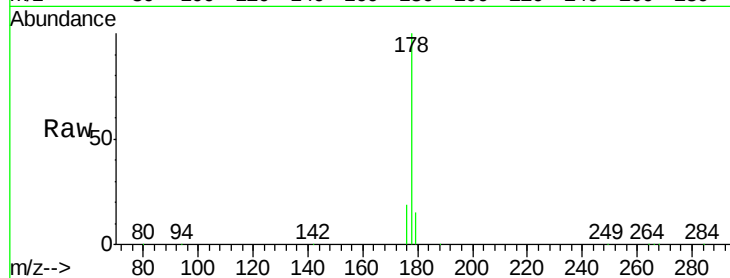
#17
 Anthracene
 Concen: 11.20 ng
 RT: 18.10 min Scan# 2991
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion:178 Resp: 1193987
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 21.8
 179 15.5 12.1 18.1

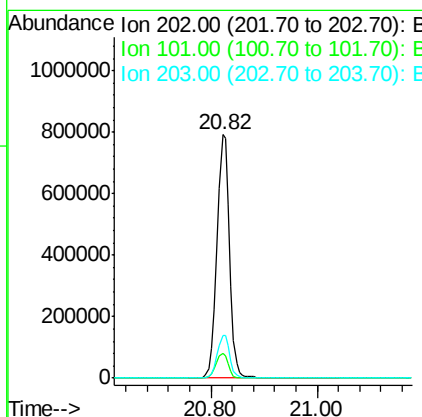
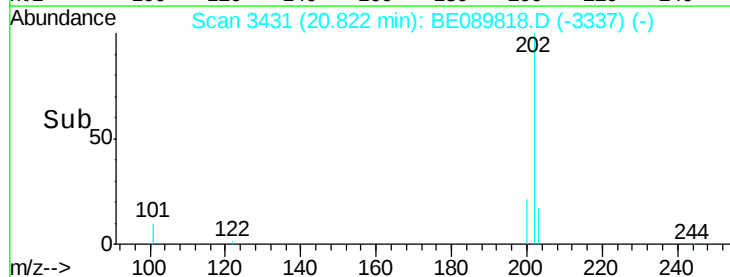
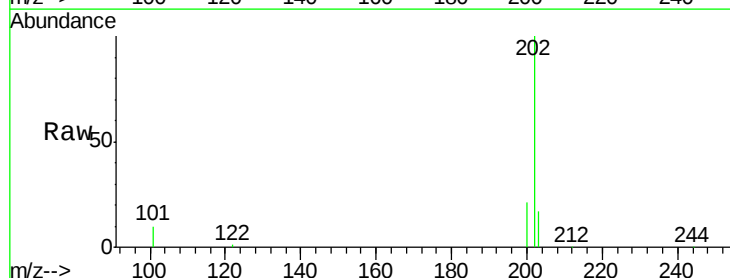
Manual Integrations
 APPROVED

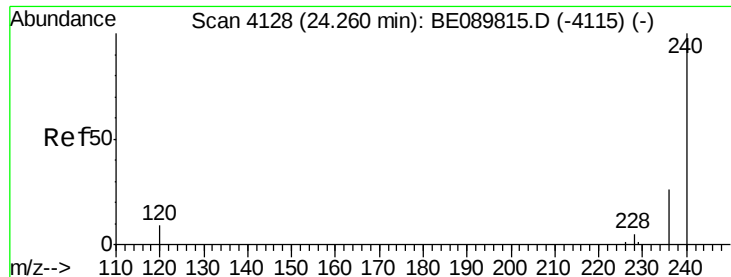
mohammad
 3/25/2015 5:43:26 PM



#18
 Fluoranthene
 Concen: 12.23 ng
 RT: 20.82 min Scan# 3431
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion:202 Resp: 1298704
 Ion Ratio Lower Upper
 202 100
 101 10.0 8.2 12.2
 203 17.6 14.2 21.4





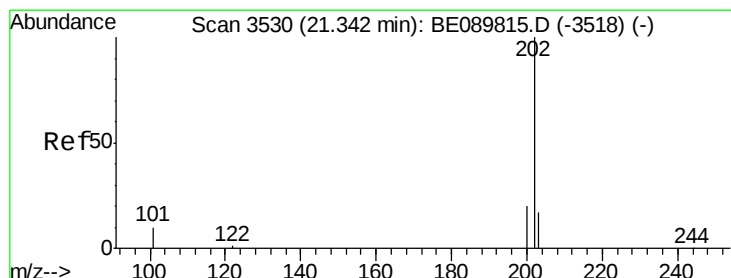
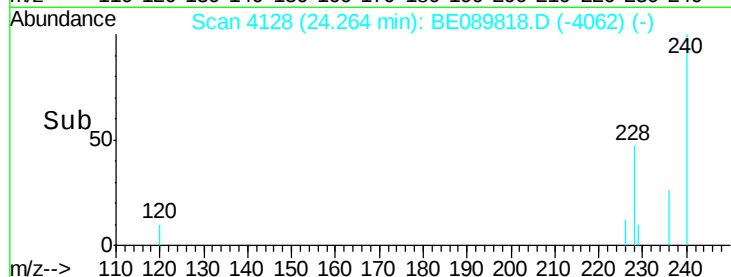
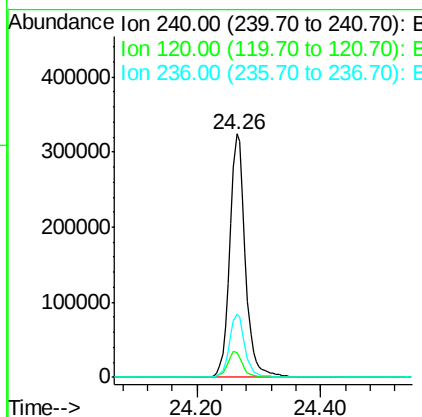
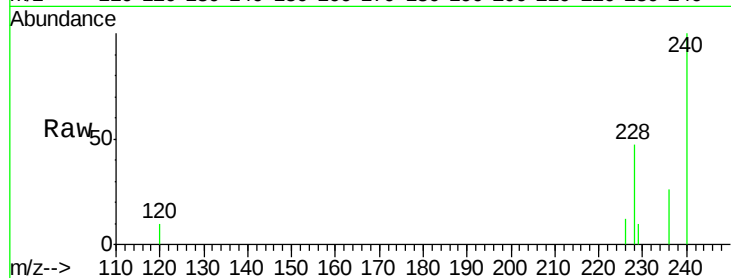
#19
Chrysene-d12
Concen: 5.00 ng
RT: 24.26 min Scan# 4128
Delta R.T. 0.00 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	7.5	11.3
236	26.2	20.5	30.7

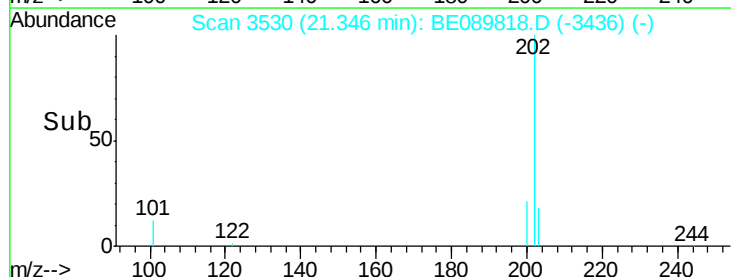
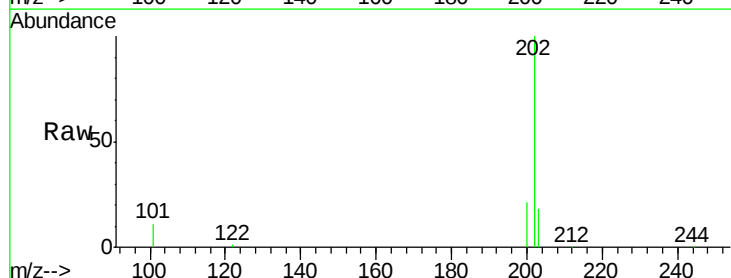
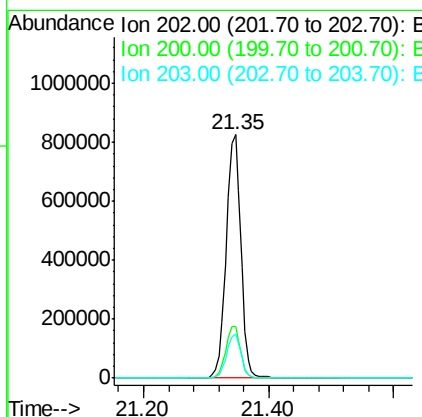
Manual Integrations
APPROVED

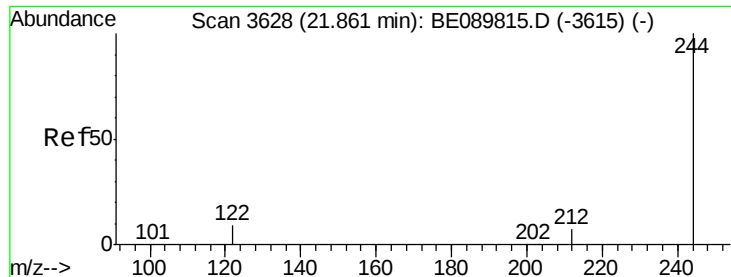
mohammad
3/25/2015 5:43:26 PM



#20
Pyrene
Concen: 9.31 ng
RT: 21.35 min Scan# 3530
Delta R.T. -0.00 min
Lab File: BE089818.D
Acq: 24 Mar 2015 16:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	15.9	23.9
203	17.8	13.6	20.4





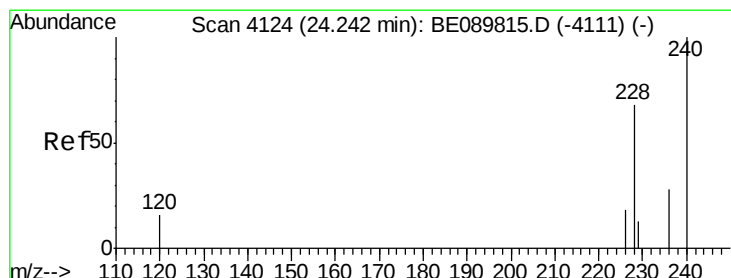
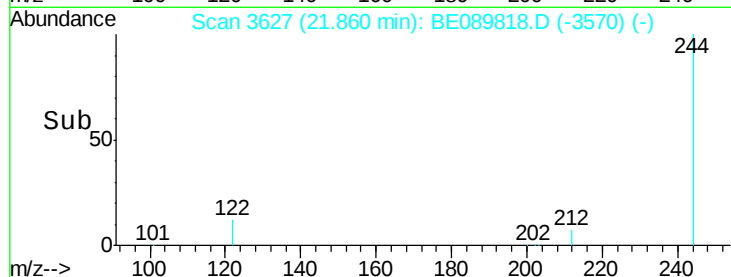
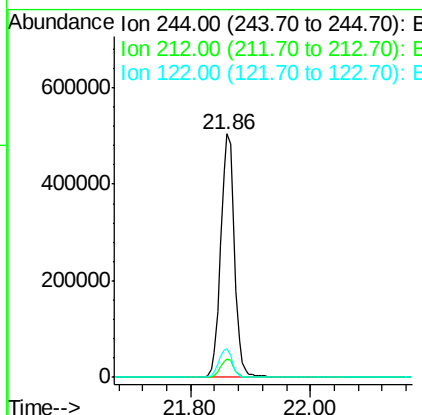
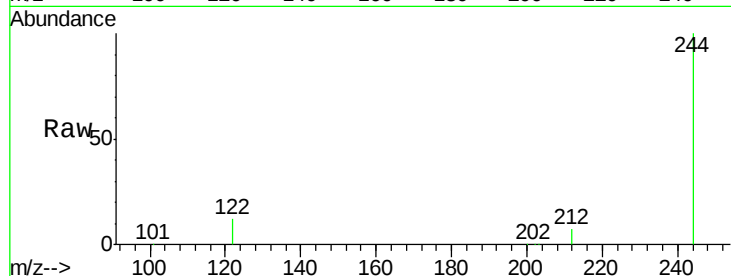
#21
 Terphenyl-d14
 Concen: 9.81 ng
 RT: 21.86 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	7.3	10.9
122	11.8	10.5	15.7

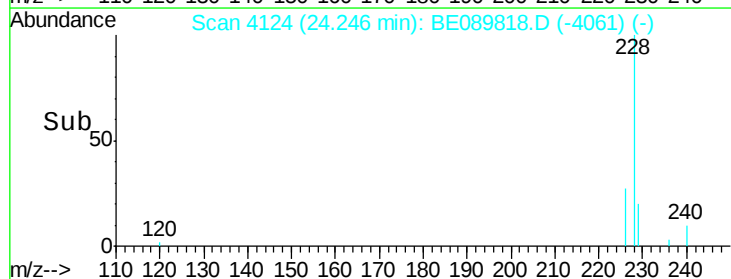
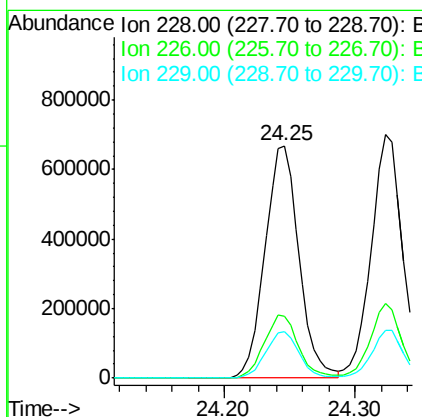
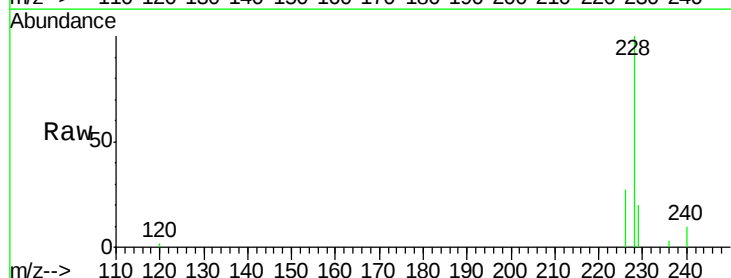
Manual Integrations
 APPROVED

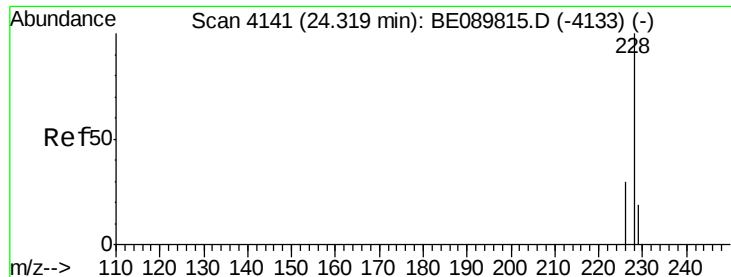
mohammad
 3/25/2015 5:43:26 PM



#22
 Benzo(a)anthracene
 Concen: 11.70 ng
 RT: 24.25 min Scan# 4124
 Delta R.T. -0.00 min
 Lab File: BE089818.D
 Acq: 24 Mar 2015 16:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	19.8	29.8
229	20.2	16.3	24.5





#23

Chrysene

Concen: 10.46 ng

RT: 24.32 min Scan# 4141

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 1197648

Ion Ratio Lower Upper

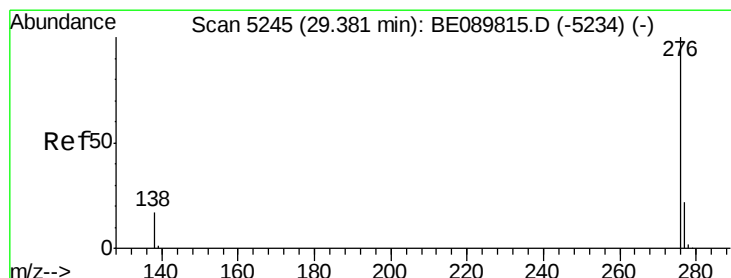
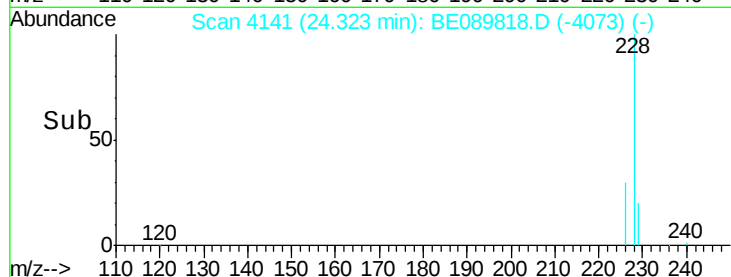
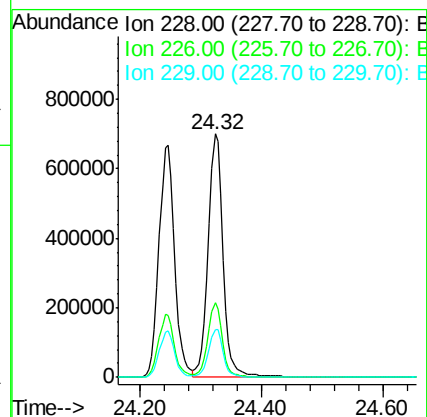
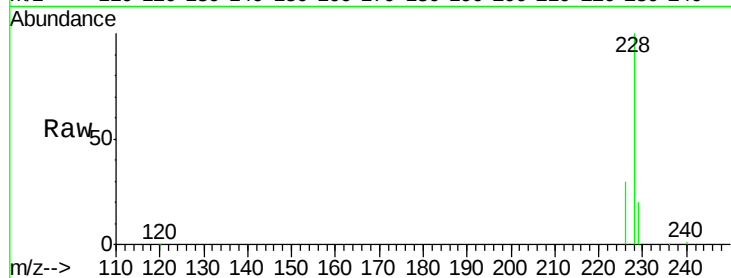
228 100

226 30.4 23.0 34.4

229 19.7 15.8 23.6

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 21.03 ng m

RT: 29.39 min Scan# 5246

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

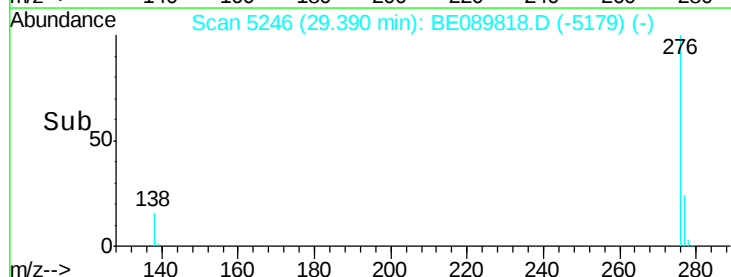
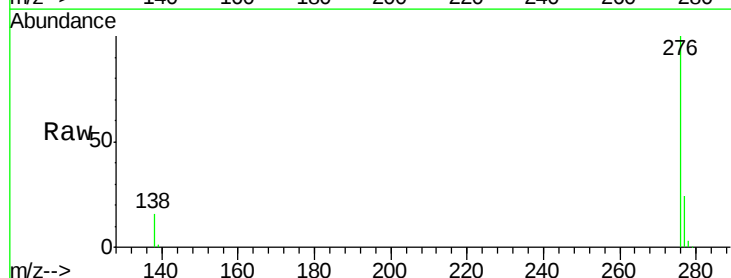
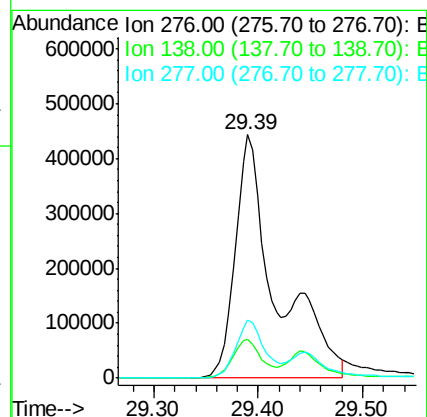
Tgt Ion:276 Resp: 1204729

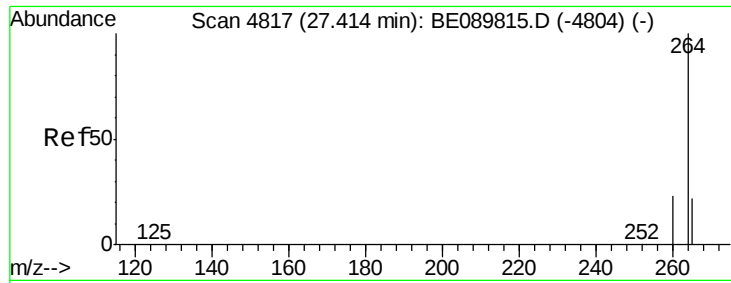
Ion Ratio Lower Upper

276 100

138 11.3 4.3 6.5#

277 16.9 9.0 13.4#





#25

Perylene-d12

Concen: 5.00 ng

RT: 27.41 min Scan# 4816

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

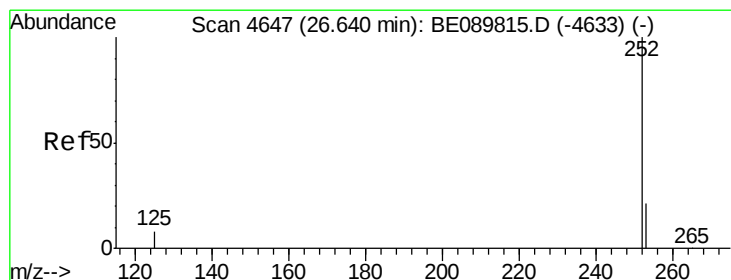
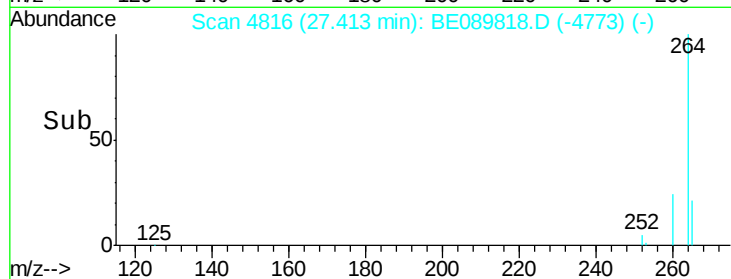
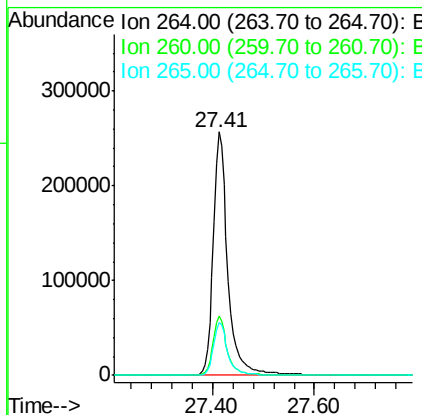
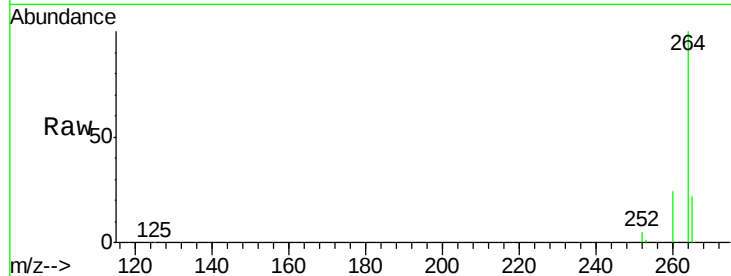
ClientSampleId :

SSTDICC010

Tgt Ion:	264	Resp:	503535
Ion Ratio		Lower	Upper
264	100		
260	24.4	18.2	27.2
265	21.5	17.3	25.9

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#26

Benzo(b)fluoranthene

Concen: 15.98 ng

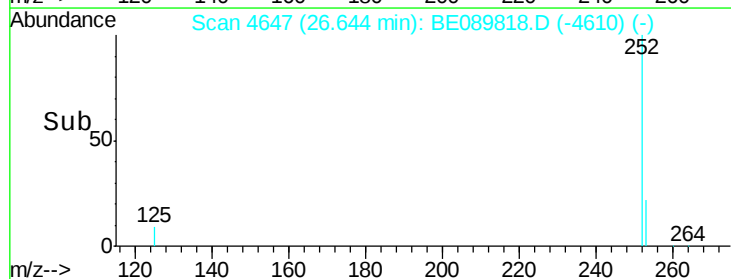
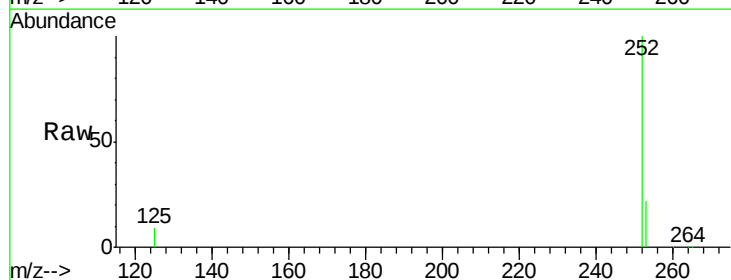
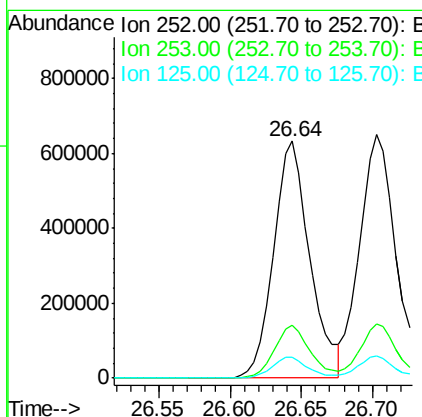
RT: 26.64 min Scan# 4647

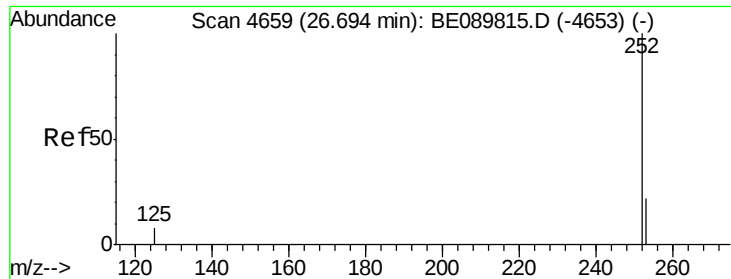
Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Tgt Ion:	252	Resp:	1115889
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.6
125	8.9	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 12.17 ng m

RT: 26.70 min Scan# 4660

Delta R.T. 0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 1222178

Ion Ratio Lower Upper

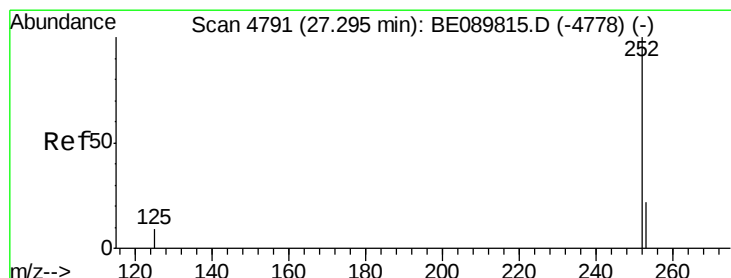
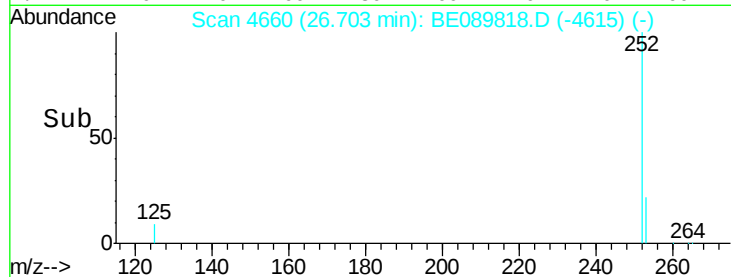
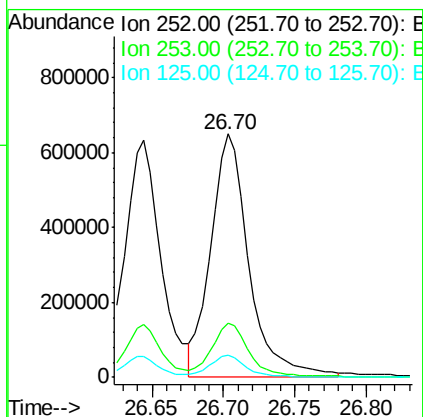
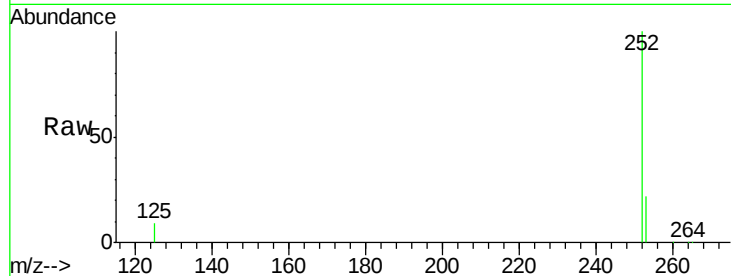
252 100

253 22.1 18.6 28.0

125 9.0 10.8 16.2#

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#28

Benzo(a)pyrene

Concen: 15.80 ng

RT: 27.30 min Scan# 4791

Delta R.T. -0.00 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

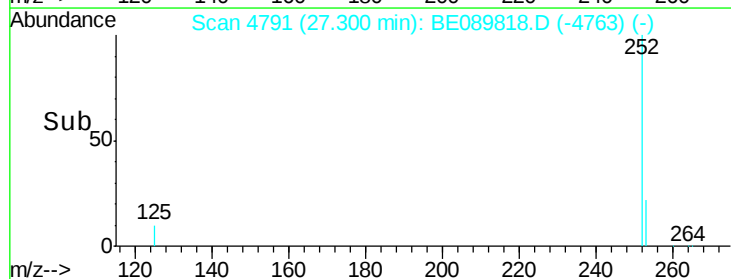
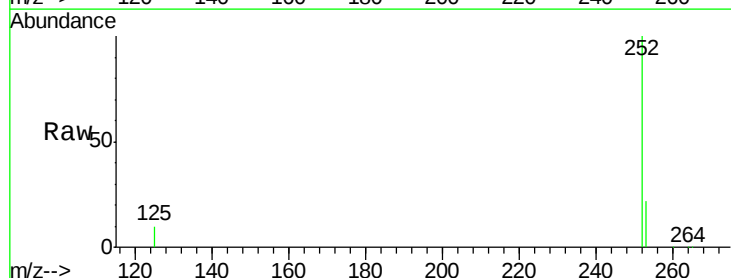
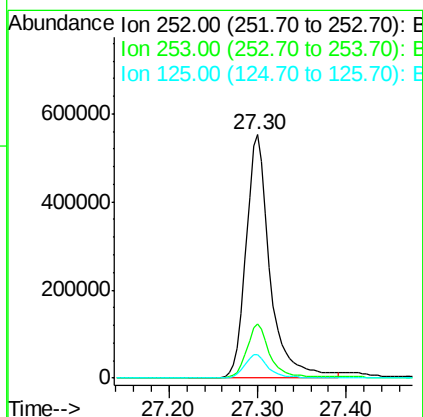
Tgt Ion:252 Resp: 1041519

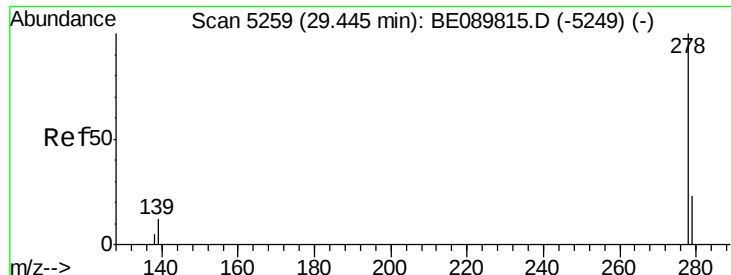
Ion Ratio Lower Upper

252 100

253 22.4 21.0 31.4

125 9.7 13.3 19.9#





#29

Dibenzo(a,h)anthracene

Concen: 22.31 ng

RT: 29.45 min Scan# 5259

Delta R.T. 0.01 min

Lab File: BE089818.D

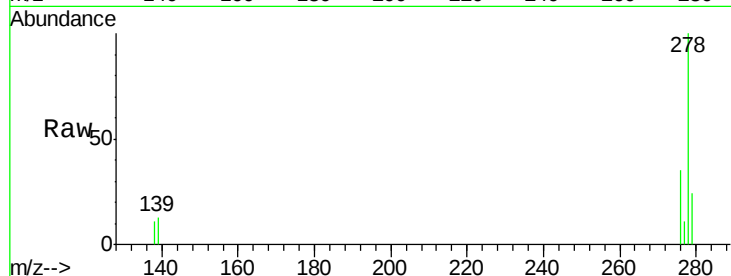
Acq: 24 Mar 2015 16:51

Instrument :

BNA_E

ClientSampleId :

SSTDICC010



Tgt Ion: 278 Resp: 999722

Ion Ratio Lower Upper

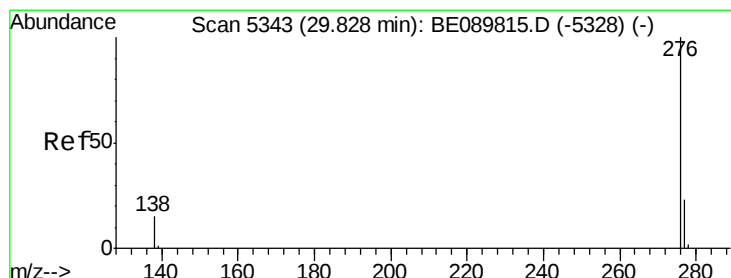
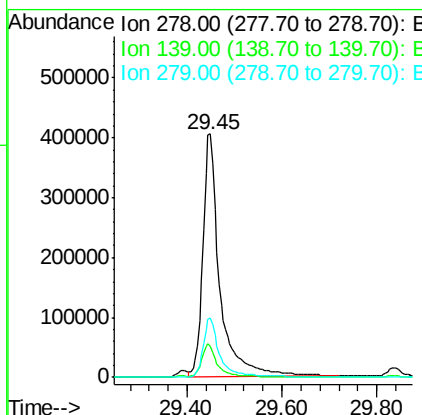
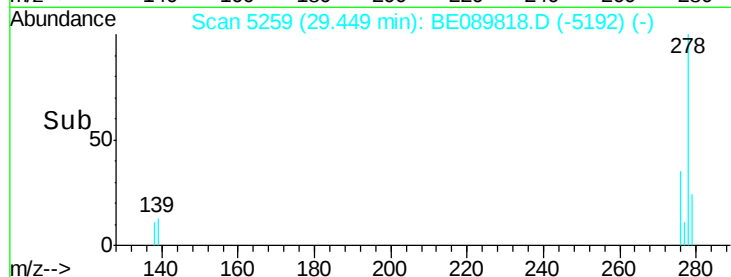
278 100

139 12.5 20.0 30.0#

279 24.5 28.9 43.3#

Manual Integrations
APPROVED

mohammad
3/25/2015 5:43:26 PM



#30

Benzo(g,h,i)perylene

Concen: 15.10 ng

RT: 29.84 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089818.D

Acq: 24 Mar 2015 16:51

Tgt Ion: 276 Resp: 1080987

Ion Ratio Lower Upper

276 100

277 23.9 19.2 28.8

138 17.7 22.9 34.3#

