

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
 Data File : BF082996.D
 Acq On : 18 Nov 2015 5:55
 Operator : UM/IZ
 Sample : G4423-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK 902

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:25:50 AM

Quant Time: Nov 18 07:17:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	160873	20.00	ng	-0.10
21) Naphthalene-d8	8.04	136	618533	20.00	ng	-0.10
38) Acenaphthene-d10	9.79	164	329394	20.00	ng	-0.10
63) Phenanthrene-d10	11.28	188	760222	20.00	ng	-0.10
75) Chrysene-d12	13.91	240	711983	20.00	ng	-0.11
86) Perylene-d12	15.30	264	455049	20.00	ng	-0.16
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1151196	111.34	ng	-0.08
7) Phenol-d6	6.41	99	1626960	118.36	ng	-0.08
23) Nitrobenzene-d5	7.32	82	1261471	88.74	ng	-0.09
41) 2,4,6-Tribromophenol	10.58	330	514058	136.11	ng	-0.10
44) 2-Fluorobiphenyl	9.12	172	1746769	76.00	ng	-0.10
78) Terphenyl-d14	12.87	244	2088496	69.57	ng	-0.10
Target Compounds						
57) Fluorene	10.34	166	53733	2.25	ng	Qvalue 94
70) Phenanthrene	11.30	178	267778m	6.07	ng	
71) Anthracene	11.34	178	139166m	2.99	ng	
72) Carbazole	11.50	167	519489	12.76	ng	96
74) Fluoranthene	12.48	202	183999	3.88	ng	98
76) Benzidine	12.66	184	87479	3.67	ng	# 94

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

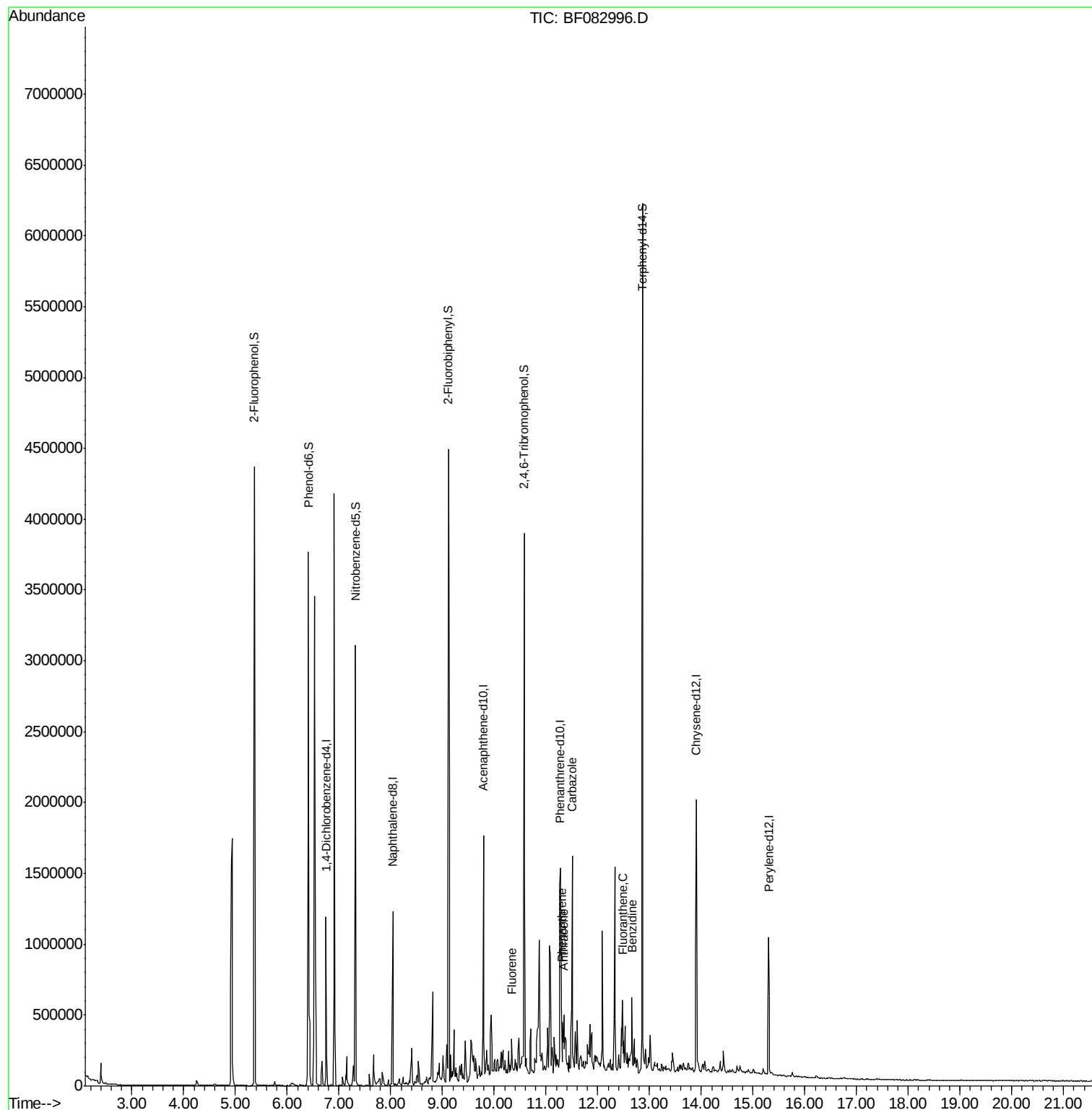
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

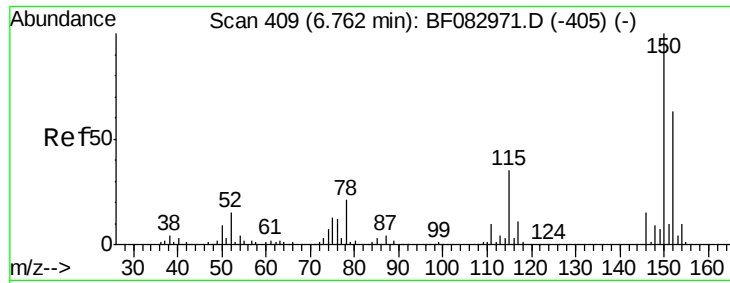
Instrument :
BNA_F
ClientSampleId :
GOODLUCK 902

Manual Integrations
APPROVED

mohammad
11/19/2015 8:25:50 AM

Quant Time: Nov 18 07:17:32 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 17 04:41:30 2015
Response via : Initial Calibration





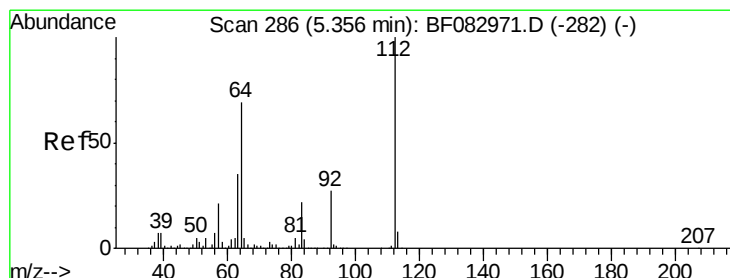
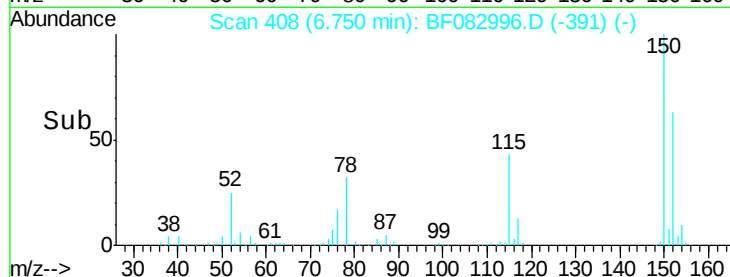
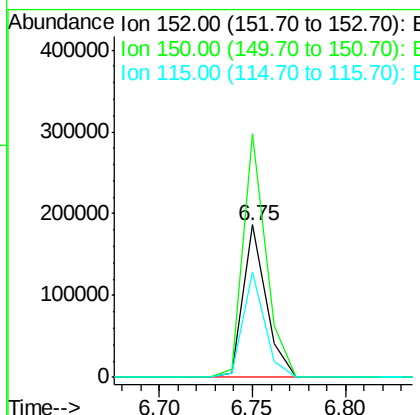
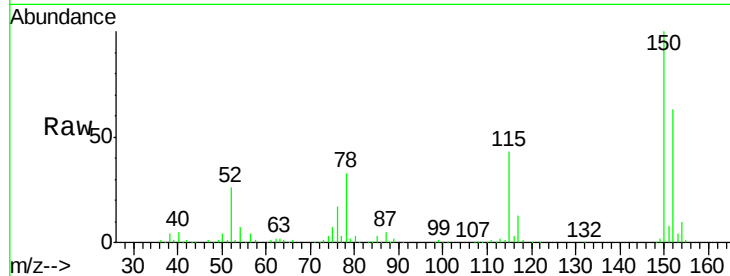
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK 902

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	160873		
150	159.5	127.0	190.4	
115	69.0	47.0	70.6	

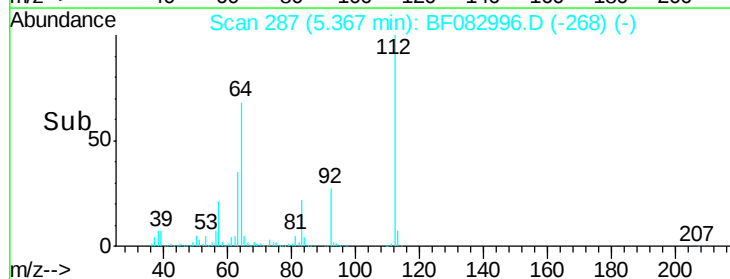
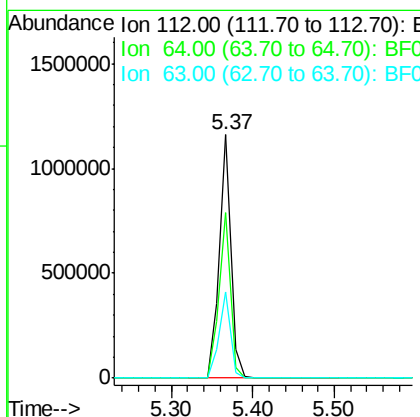
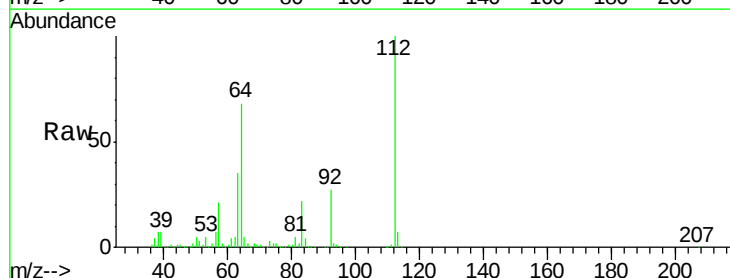
Manual Integrations
 APPROVED

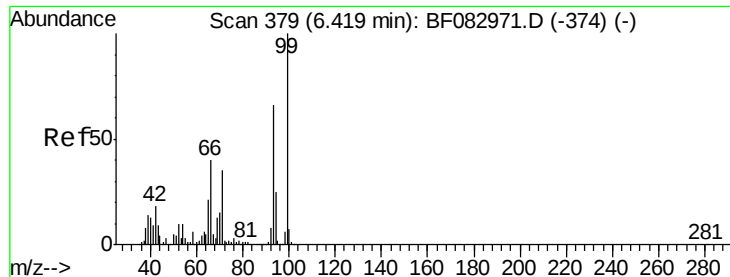
mohammad
 11/19/2015 8:25:50 AM



#5
 2-Fluorophenol
 Concen: 111.34 ng
 RT: 5.37 min Scan# 287
 Delta R.T. -0.08 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1151196		
64	68.0	48.9	73.3	
63	35.2	28.1	42.1	





#7

Phenol-d6

Concen: 118.36 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.08 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

ClientSampleId :

GOODLUCK 902

Tgt Ion: 99 Resp: 1626960

Ion Ratio Lower Upper

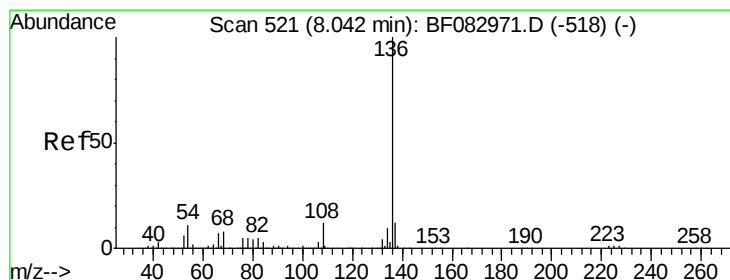
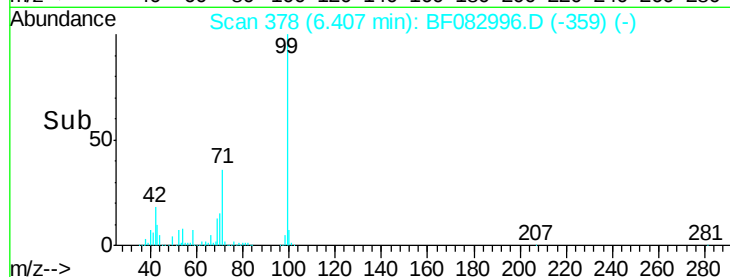
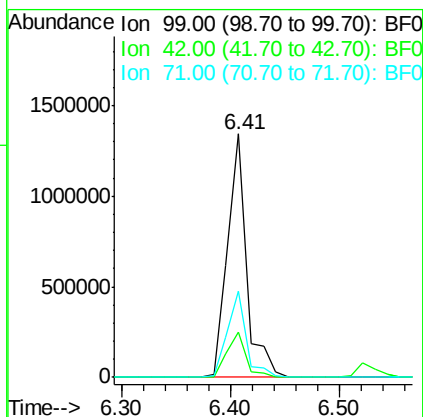
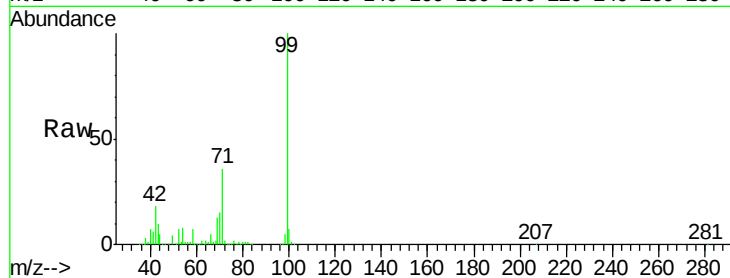
99 100

42 18.4 19.2 28.8#

71 35.6 35.0 52.4

Manual Integrations
APPROVED

mohammad
11/19/2015 8:25:50 AM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Tgt Ion: 136 Resp: 618533

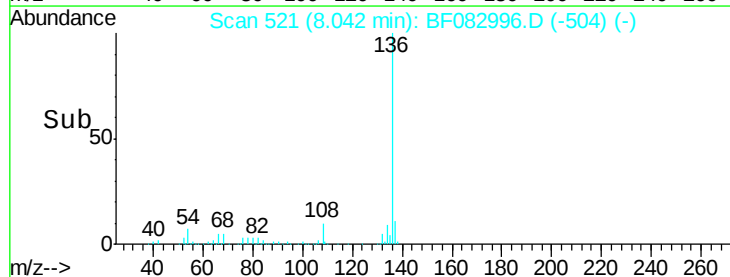
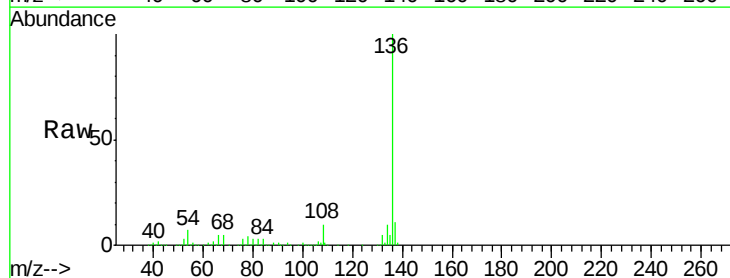
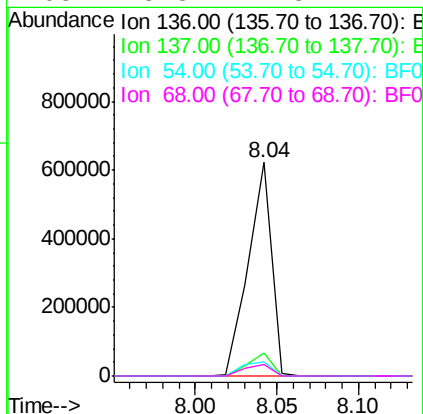
Ion Ratio Lower Upper

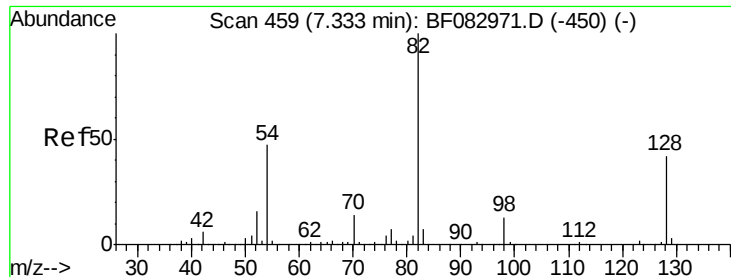
136 100

137 11.0 9.1 13.7

54 6.7 9.1 13.7#

68 5.3 4.8 7.2





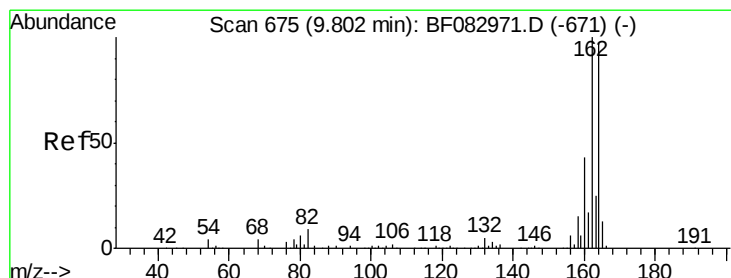
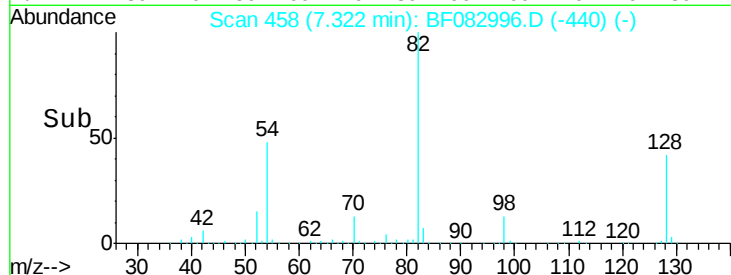
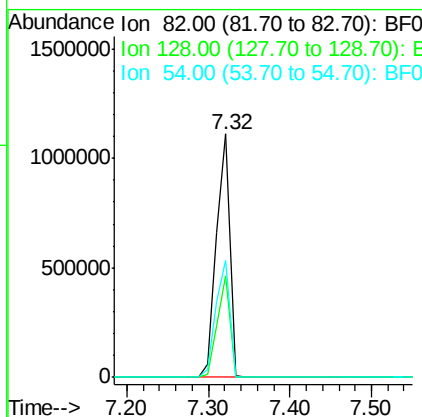
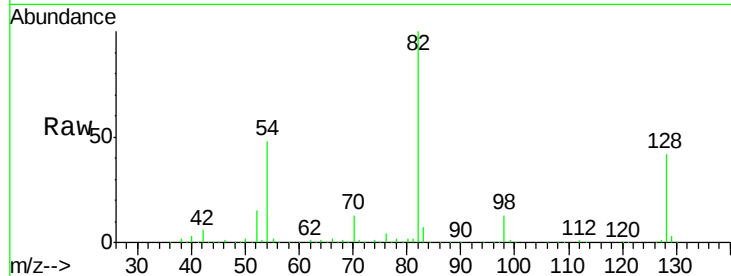
#23
Nitrobenzene-d5
Concen: 88.74 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.09 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Instrument :
BNA_F
ClientSampleId :
GOODLUCK 902

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.5	26.8	40.2#
54	48.2	45.7	68.5

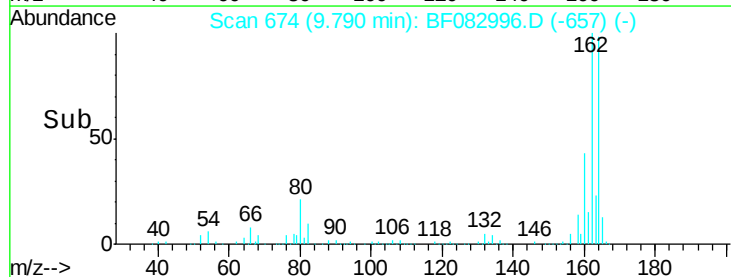
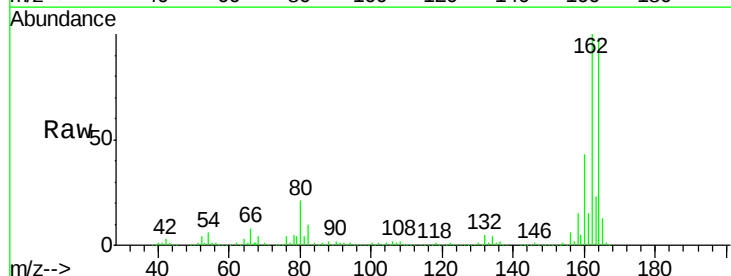
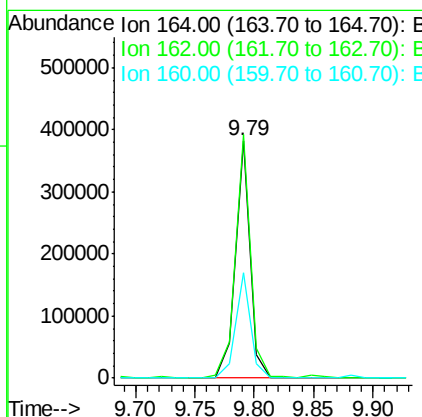
Manual Integrations
APPROVED

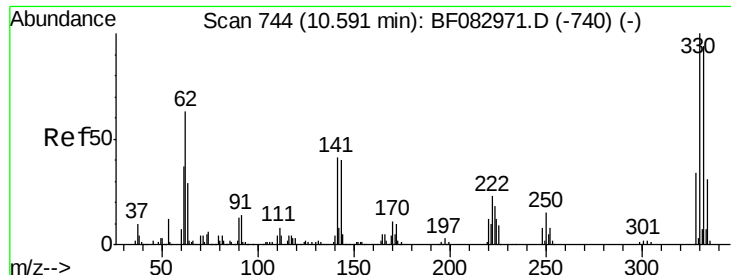
mohammad
11/19/2015 8:25:50 AM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. -0.10 min
Lab File: BF082996.D
Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	84.9	127.3
160	44.1	37.5	56.3





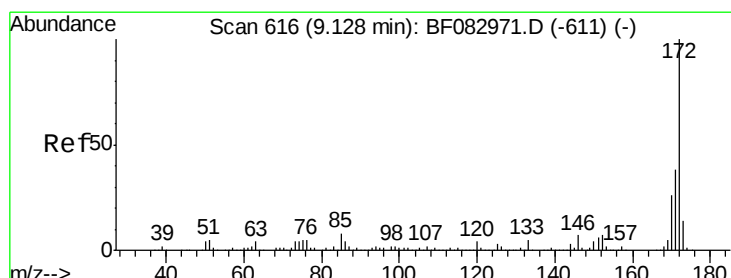
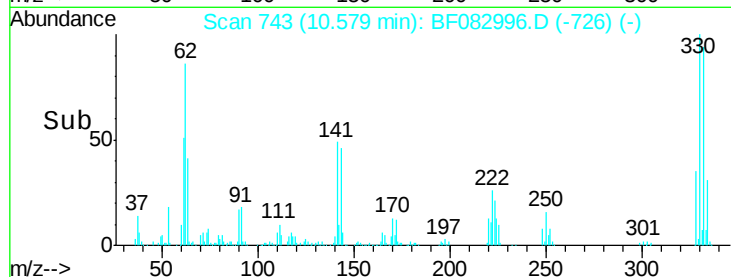
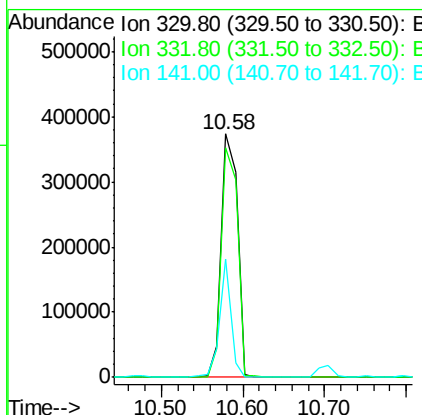
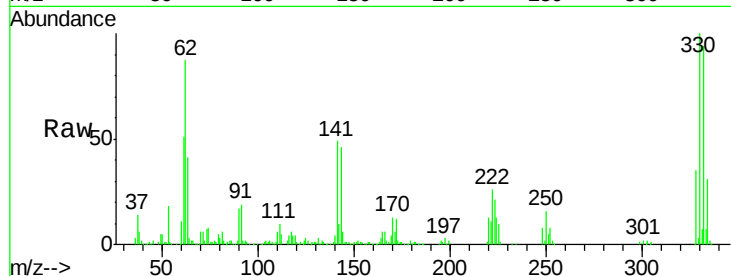
#41
 2,4,6-Tribromophenol
 Concen: 136.11 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK 902

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	514058		
332	95.0	76.6	114.8	
141	34.2	41.2	61.8#	

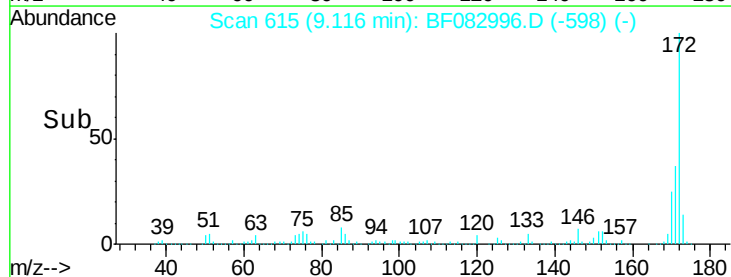
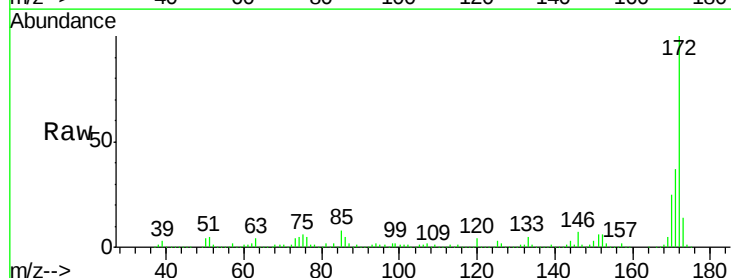
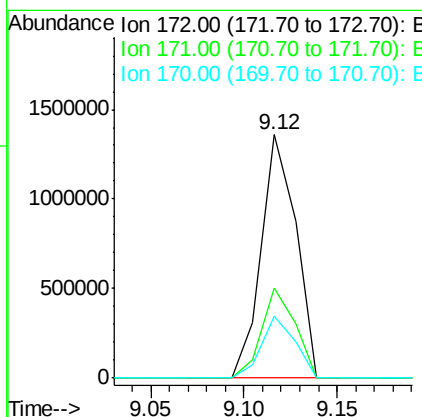
Manual Integrations
 APPROVED

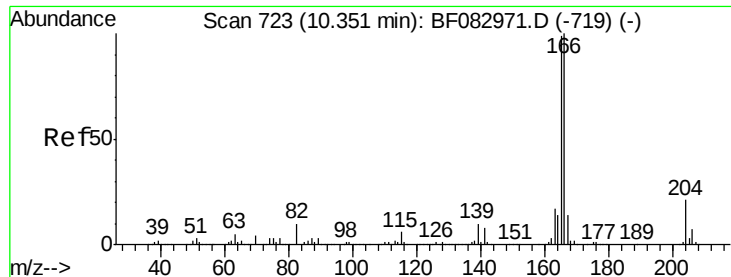
mohammad
 11/19/2015 8:25:50 AM



#44
 2-Fluorobiphenyl
 Concen: 76.00 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1746769		
171	36.9	30.8	46.2	
170	25.3	21.2	31.8	





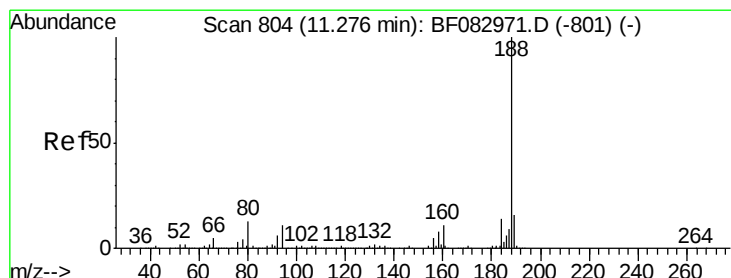
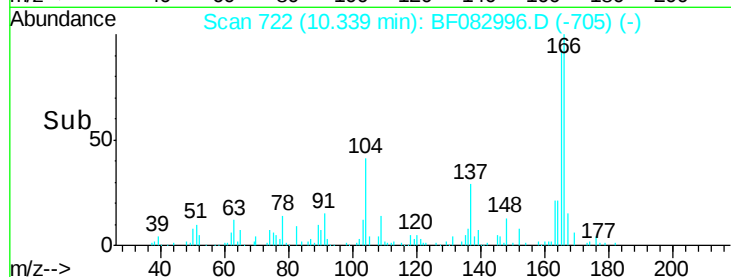
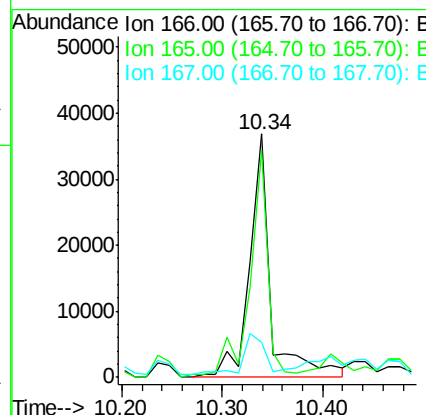
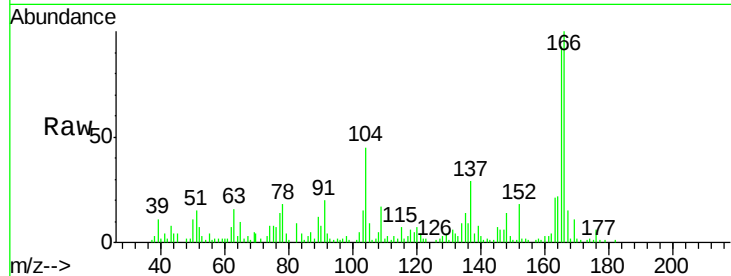
#57
Fluorene
 Concen: 2.25 ng
 RT: 10.34 min Scan# 722
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK 902

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.2	80.2	120.4
167	14.5	11.2	16.8

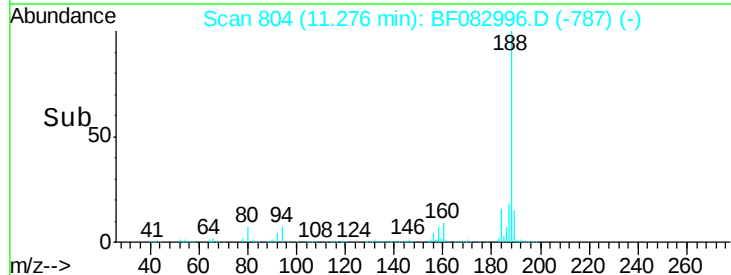
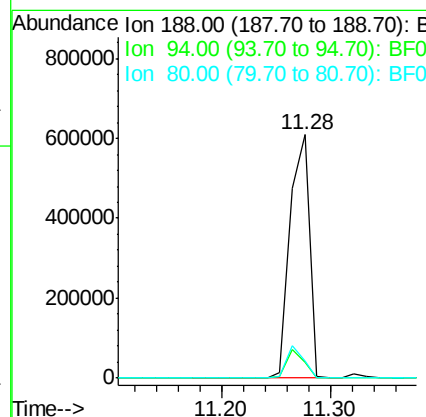
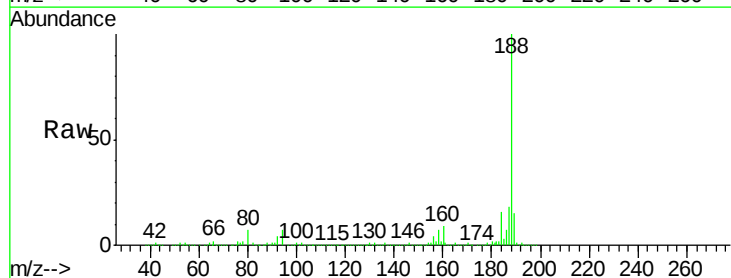
Manual Integrations
 APPROVED

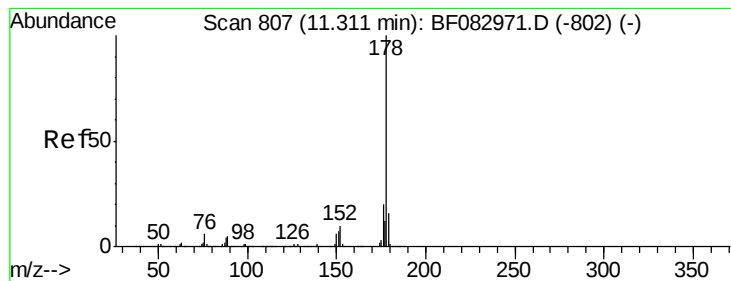
mohammad
 11/19/2015 8:25:50 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.1	9.1
80	7.2	7.0	10.6





#70

Phenanthrene

Concen: 6.07 ng m

RT: 11.30 min Scan# 806

Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

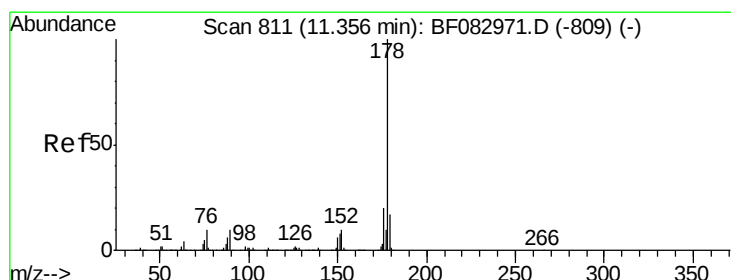
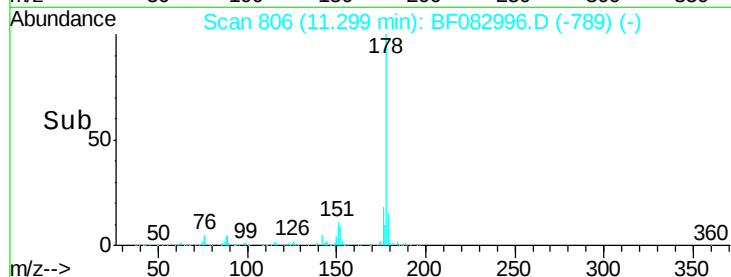
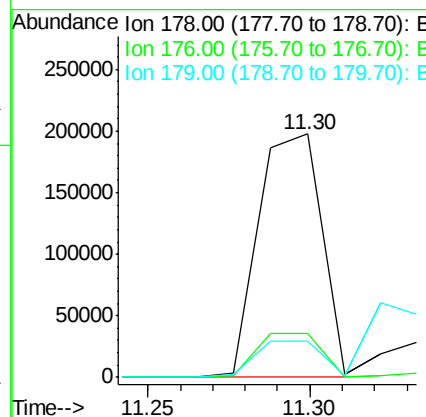
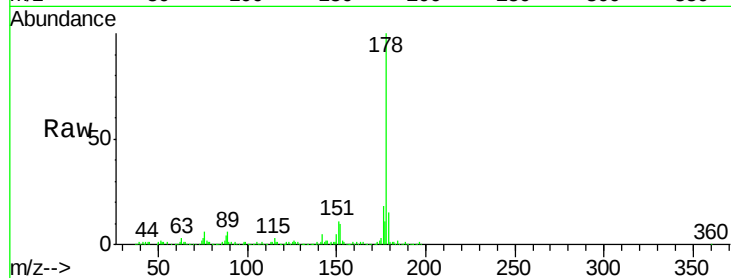
ClientSampleId :

GOODLUCK 902

Tgt Ion:	178	Resp:	267778
Ion Ratio	Lower	Upper	
178	100		
176	18.3	17.0	25.4
179	15.1	13.4	20.0

Manual Integrations
APPROVED

mohammad
11/19/2015 8:25:50 AM



#71

Anthracene

Concen: 2.99 ng m

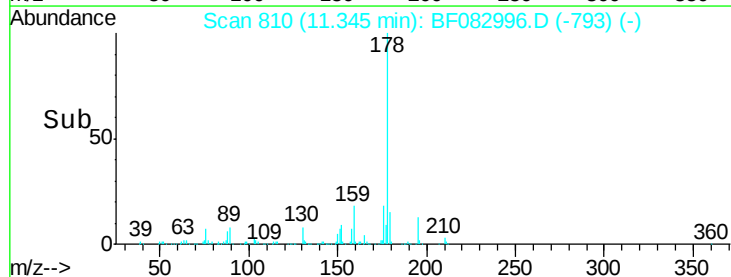
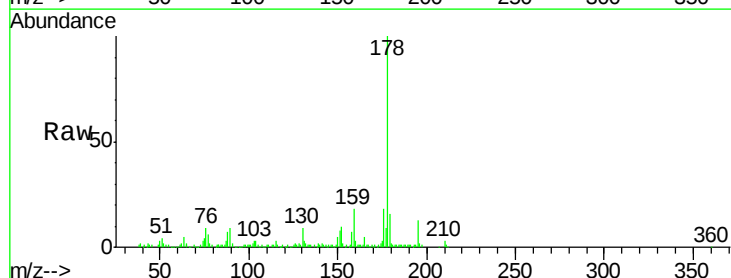
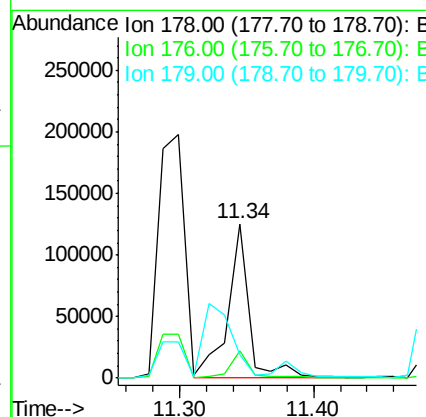
RT: 11.34 min Scan# 810

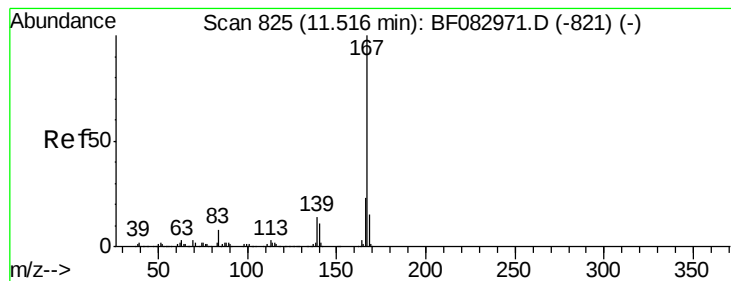
Delta R.T. -0.10 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Tgt Ion:	178	Resp:	139166
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.5	24.7
179	15.6	13.2	19.8





#72

Carbazole

Concen: 12.76 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.10 min

Lab File: BF082996.D

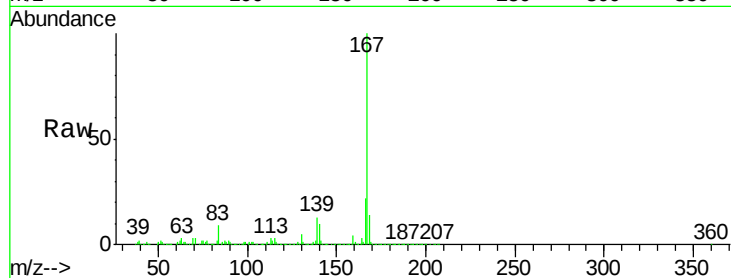
Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

ClientSampleId :

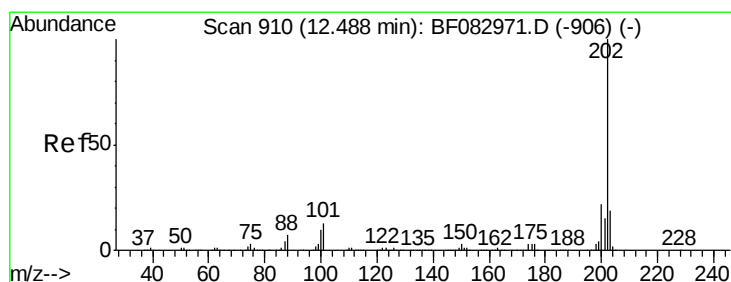
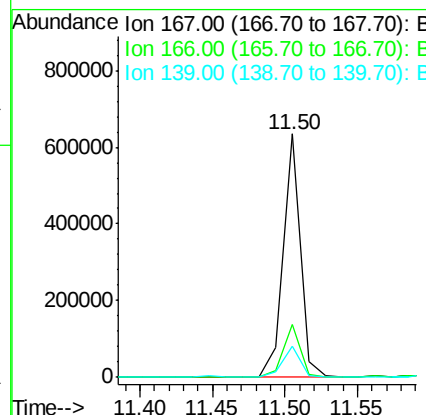
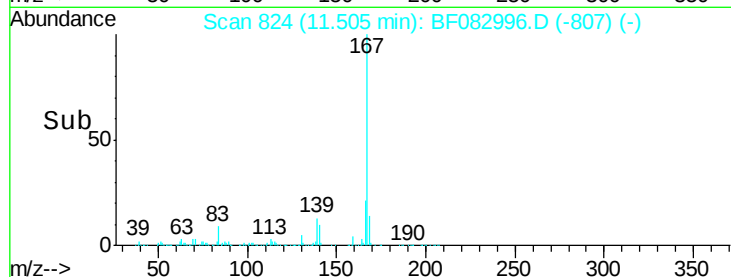
GOODLUCK 902



Tgt Ion:	167	Resp:	519489
Ion Ratio	Lower	Upper	
167	100		
166	21.7	18.7	28.1
139	12.8	11.8	17.6

Manual Integrations
APPROVED

mohammad
11/19/2015 8:25:50 AM



#74

Fluoranthene

Concen: 3.88 ng

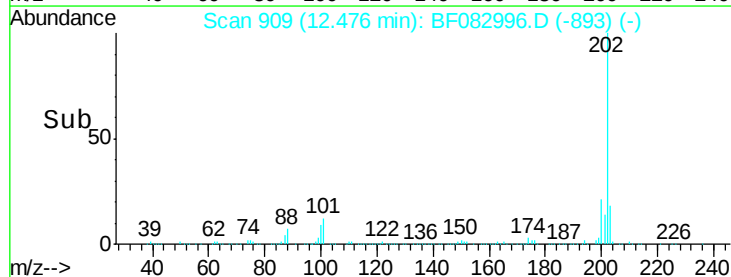
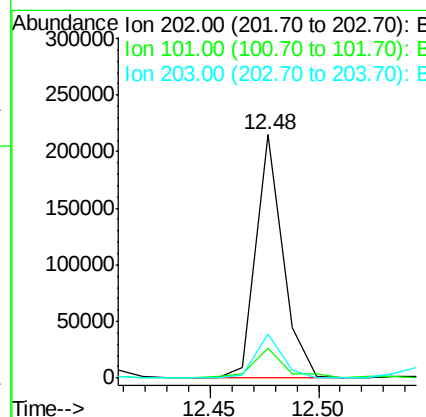
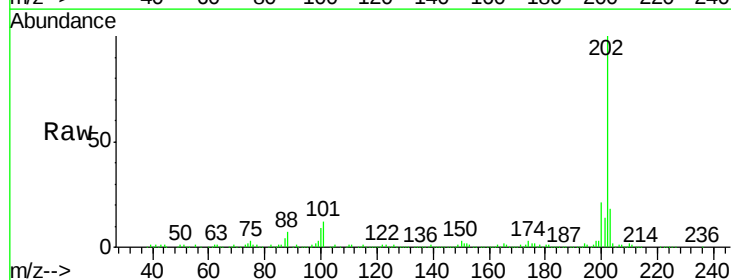
RT: 12.48 min Scan# 909

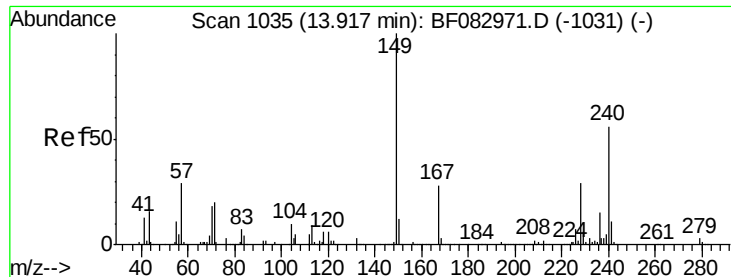
Delta R.T. -0.11 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Tgt Ion:	202	Resp:	183999
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	30.5
203	18.0	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.11 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Instrument :

BNA_F

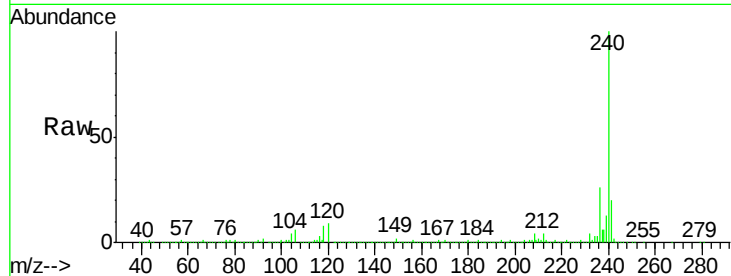
ClientSampleId :

GOODLUCK 902

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	711983		
120	8.7	10.9	16.3#	
236	26.5	21.6	32.4	

Manual Integrations
APPROVED

mohammad
11/19/2015 8:25:50 AM

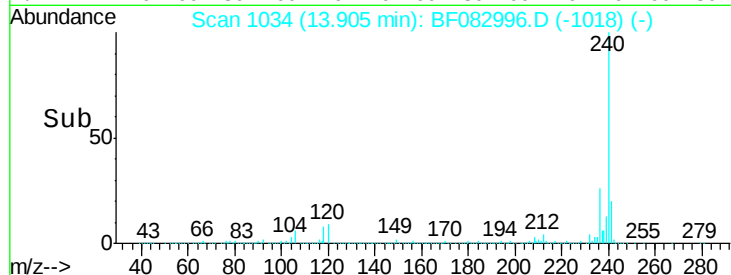


Abundance Ion 240.00 (239.70 to 240.70): E

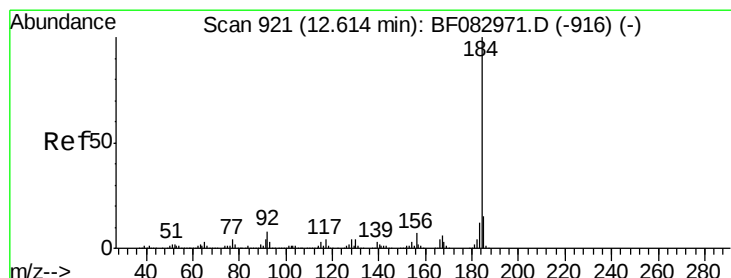
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.91



Time-->



#76

Benzidine

Concen: 3.67 ng

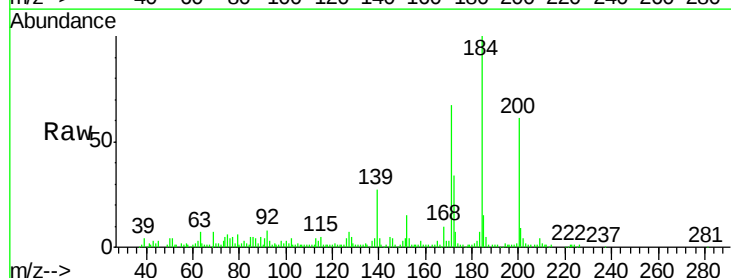
RT: 12.66 min Scan# 925

Delta R.T. -0.05 min

Lab File: BF082996.D

Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	87479		
185	15.5	12.0	18.0	
183	7.3	9.6	14.4#	

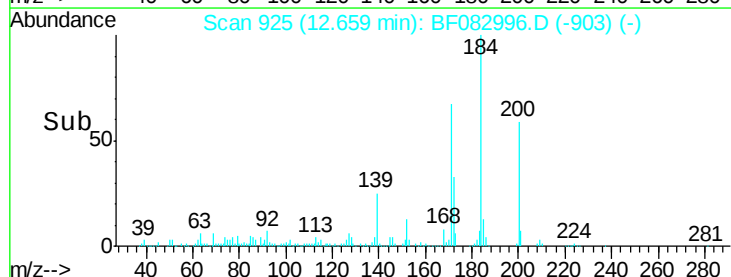


Abundance Ion 184.00 (183.70 to 184.70): E

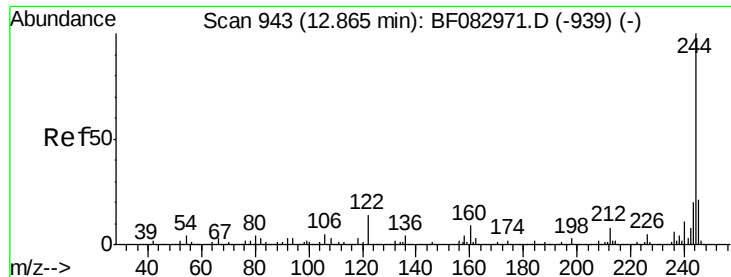
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.66



Time-->



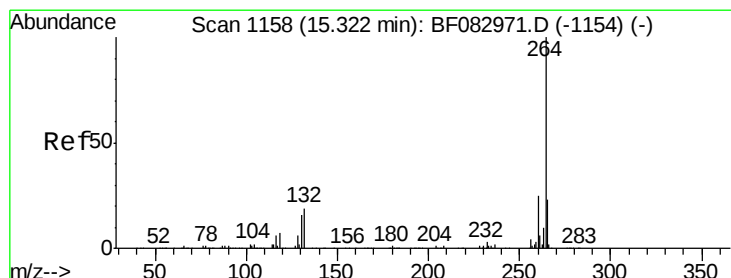
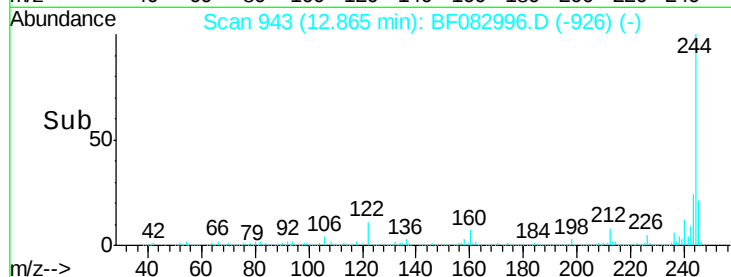
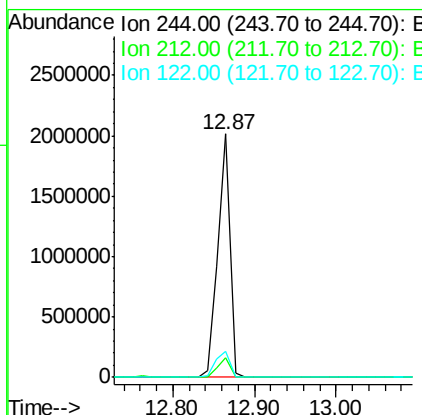
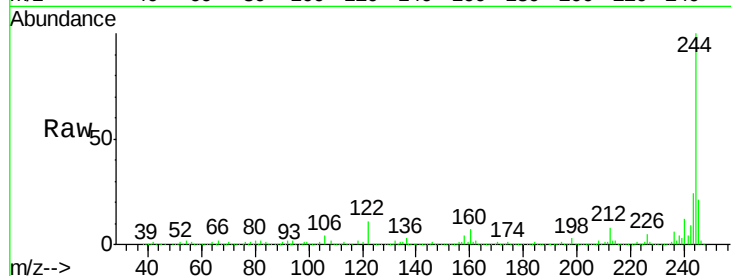
#78
 Terphenyl-d14
 Concen: 69.57 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.10 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCK 902

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.6	11.4
122	10.8	11.3	16.9#

Manual Integrations
 APPROVED

mohammad
 11/19/2015 8:25:50 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 1156
 Delta R.T. -0.16 min
 Lab File: BF082996.D
 Acq: 18 Nov 2015 5:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	21.7	17.4	26.0

