

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094029.D
 Acq On : 29 Mar 2017 20:12
 Operator : SJ/MA
 Sample : I2443-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Manual Integrations
 APPROVED

mohammad
 3/30/2017 2:31:42 PM

Quant Time: Mar 30 04:00:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	161269	20.00	ng	-0.04
21) Naphthalene-d8	7.42	136	654540	20.00	ng	-0.04
38) Acenaphthene-d10	9.56	164	298916	20.00	ng	-0.04
63) Phenanthrene-d10	11.39	188	520545	20.00	ng	-0.04
75) Chrysene-d12	14.64	240	395754	20.00	ng	-0.04
86) Perylene-d12	16.27	264	282812	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	851385	89.17	ng	-0.02
7) Phenol-d6	5.52	99	1115495	94.44	ng	-0.04
23) Nitrobenzene-d5	6.56	82	749270	65.33	ng	-0.04
41) 2,4,6-Tribromophenol	10.53	330	206435	87.40	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	1240878	63.32	ng	-0.04
78) Terphenyl-d14	13.36	244	905188	51.27	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	7.45	128	102569	3.26	ng	99
37) 2-Methylnaphthalene	8.29	142	73723	3.51	ng	96
49) Dimethylphthalate	9.24	163	87862	4.14	ng	100
70) Phenanthrene	11.41	178	126362	4.36	ng	98
74) Fluoranthene	12.87	202	203853	6.88	ng	98
77) Pyrene	13.15	202	186013	6.48	ng	98
80) Benzo(a)anthracene	14.62	228	86017m	3.73	ng	
82) Chrysene	14.67	228	115999	5.42	ng	97
87) Benzo(b)fluoranthene	15.86	252	97978m	5.65	ng	
88) Benzo(k)fluoranthene	15.89	252	35040m	2.07	ng	
89) Benzo(a)pyrene	16.20	252	49832	3.12	ng	97
91) Benzo(a,h,i)perylene	18.02	276	35983	2.64	ng	96

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

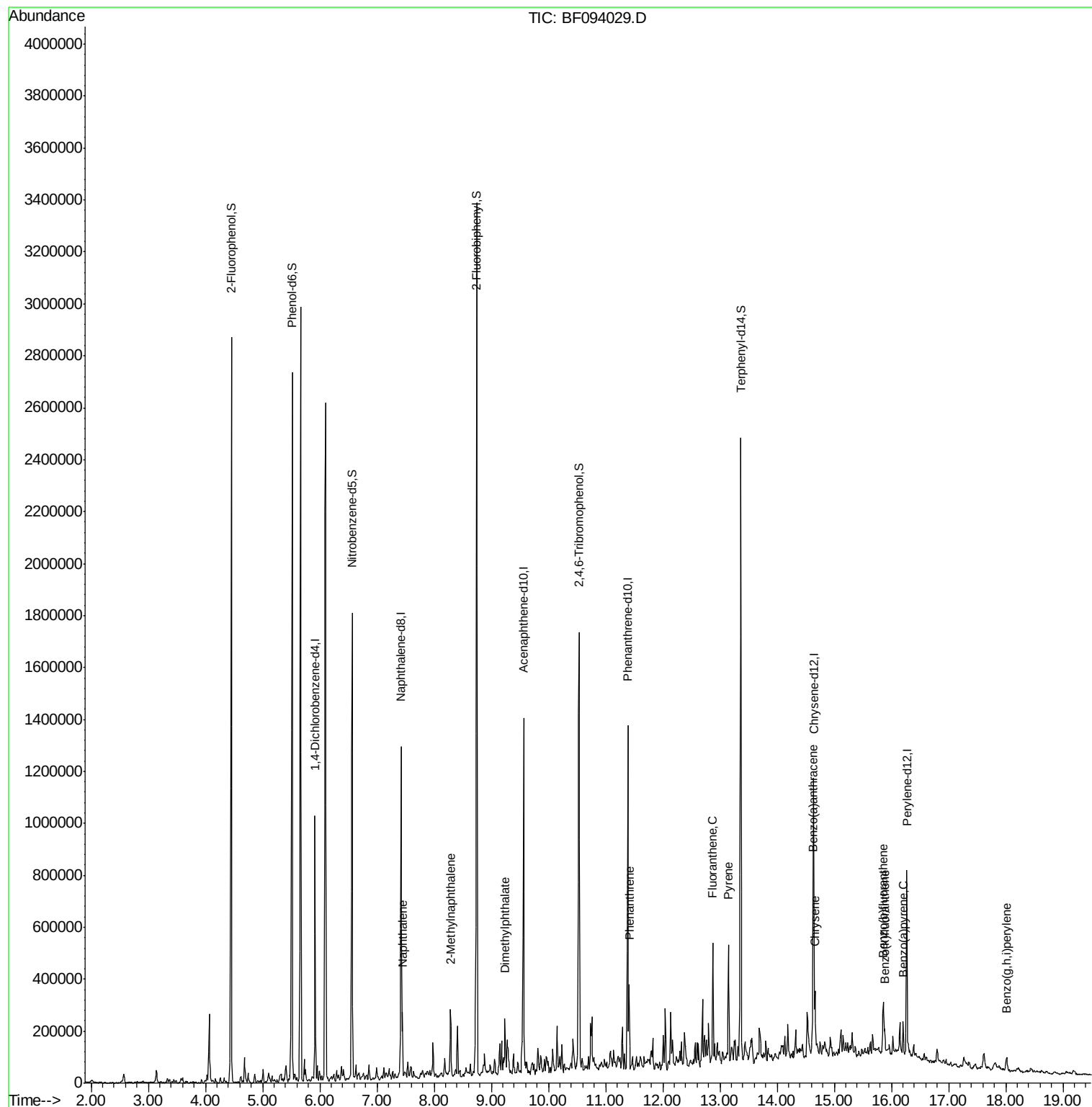
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
Data File : BF094029.D
Acq On : 29 Mar 2017 20:12
Operator : SJ/MA
Sample : I2443-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

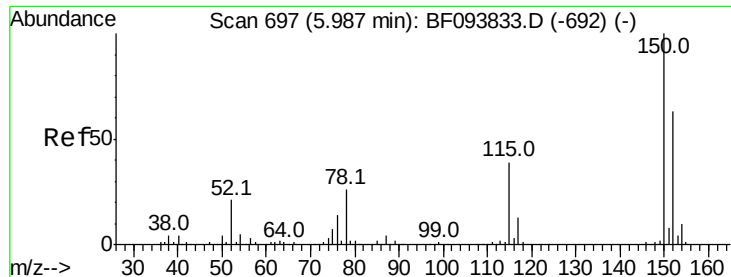
Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Manual Integrations
APPROVED

mohammad
3/30/2017 2:31:42 PM

Quant Time: Mar 30 04:00:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 27 16:10:49 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.92 min Scan# 685

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB10-ESW

Tot Ion:152 Resp: 161269

Ion Ratio Lower Upper

152 100

150 158.6 126.2 189.2

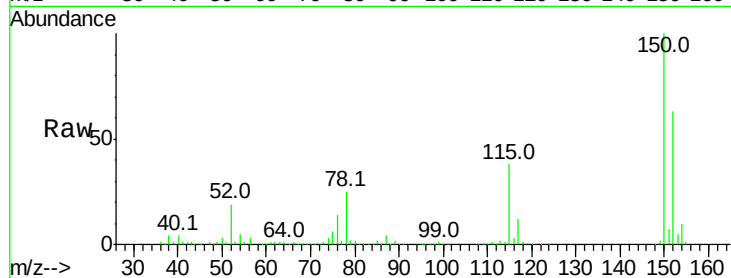
115 60.6 52.2 78.2

Manual Integrations

APPROVED

mohammad

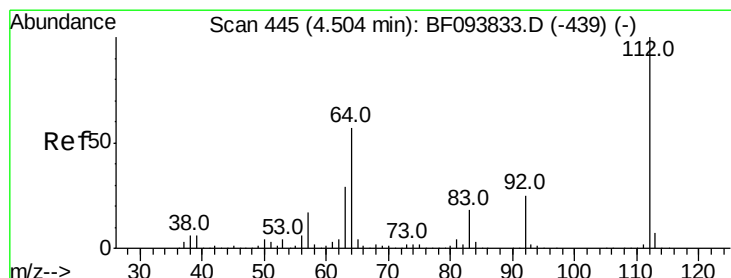
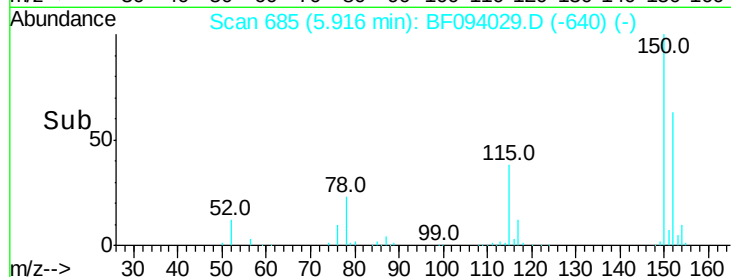
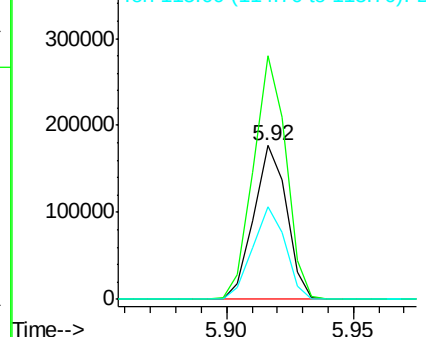
3/30/2017 2:31:42 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 89.17 ng

RT: 4.45 min Scan# 436

Delta R.T. -0.02 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

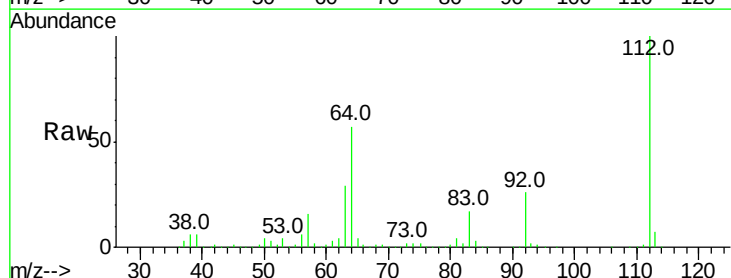
Tgt Ion:112 Resp: 851385

Ion Ratio Lower Upper

112 100

64 57.2 46.0 69.0

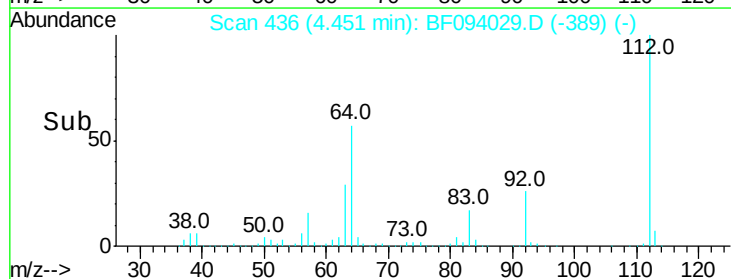
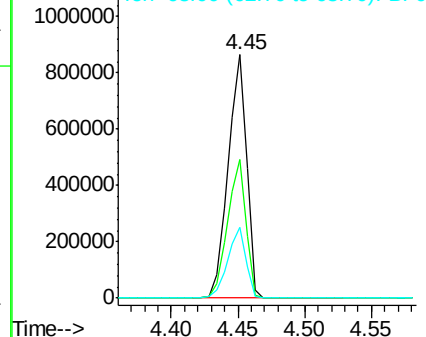
63 29.2 23.4 35.0

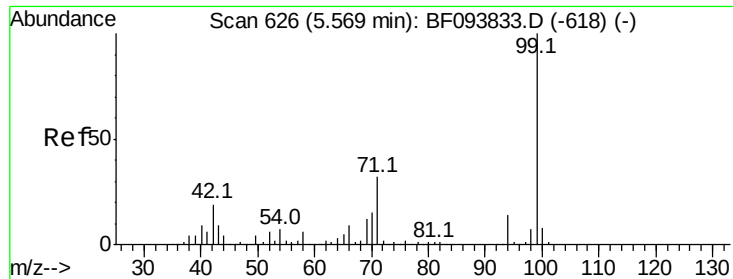


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.44 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

ClientSampleId :

E2-BB10-ESW

Tot Ion: 99 Resp: 1115495

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

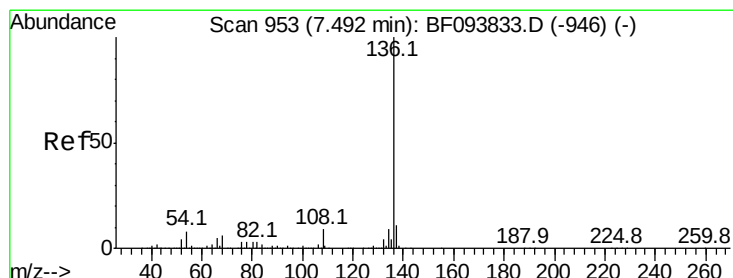
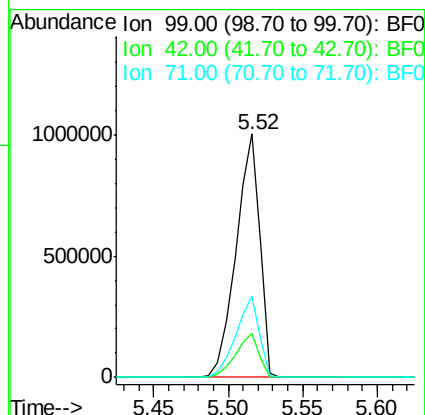
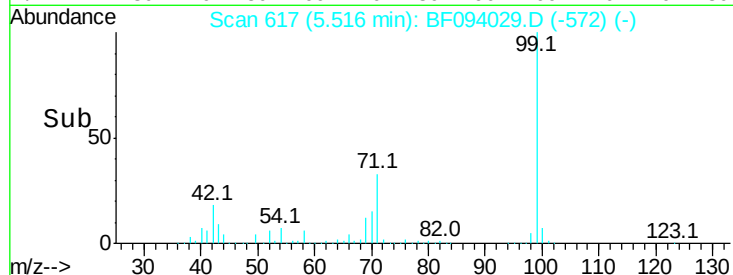
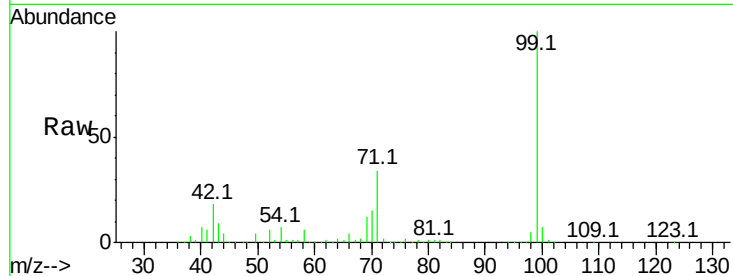
71 33.5 24.5 36.7

Manual Integrations

APPROVED

mohammad

3/30/2017 2:31:42 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Tgt Ion: 136 Resp: 654540

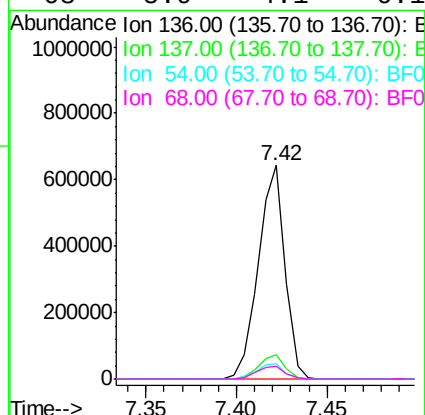
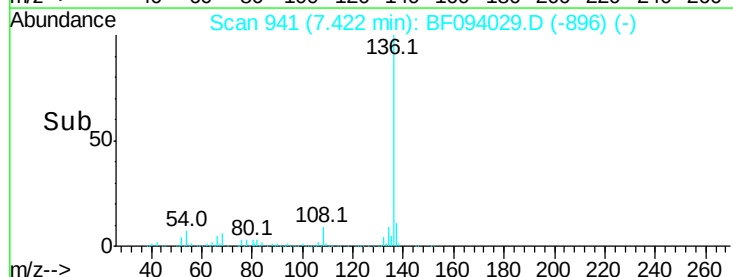
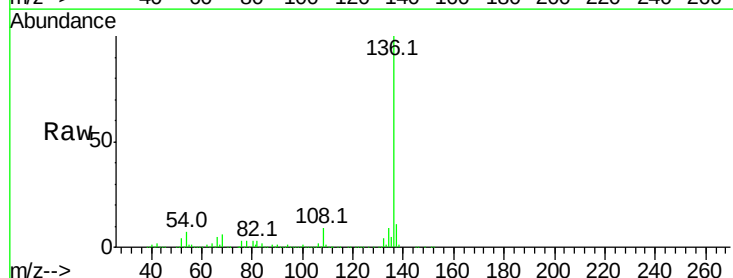
Ion Ratio Lower Upper

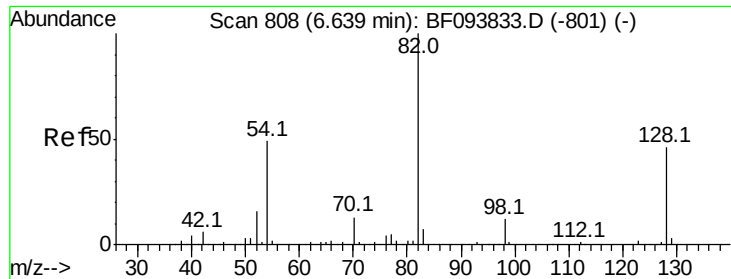
136 100

137 11.3 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1





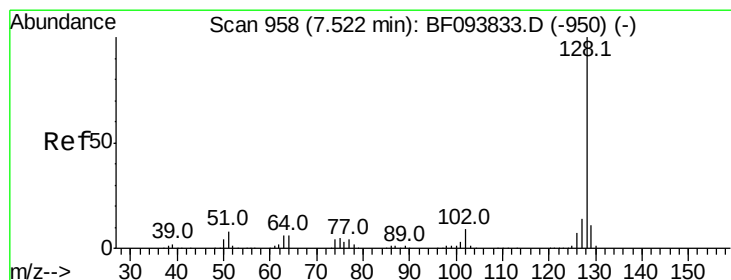
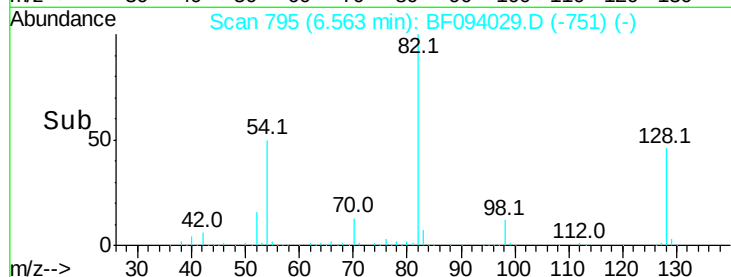
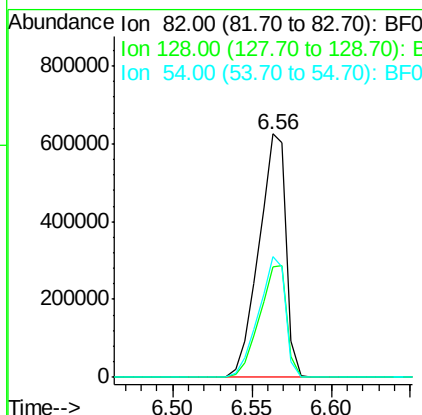
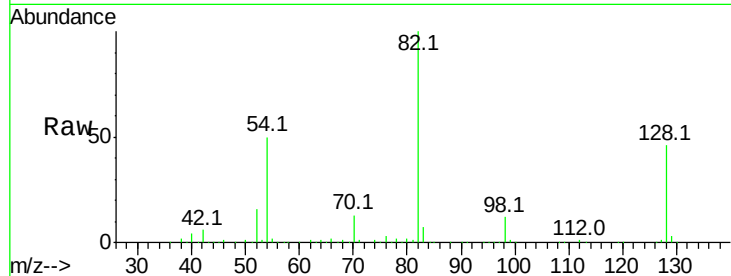
#23
 Nitrobenzene-d5
 Concen: 65.33 ng
 RT: 6.56 min Scan# 795
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleId :
 E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	49.8	42.2	63.2

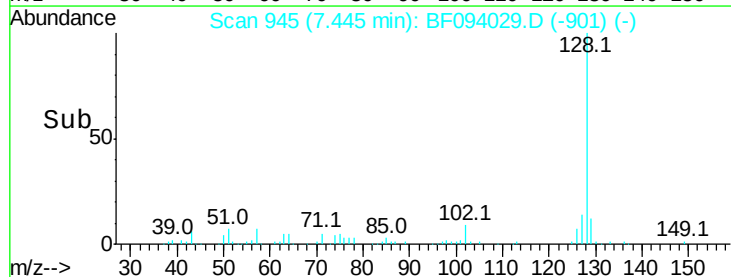
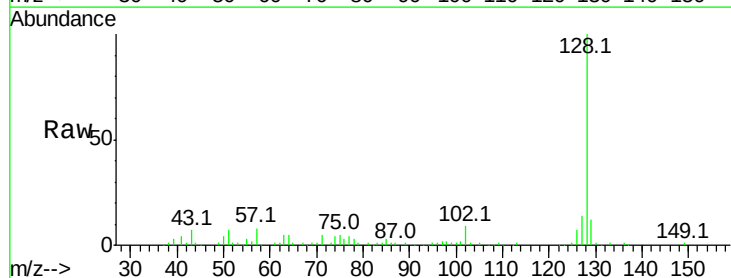
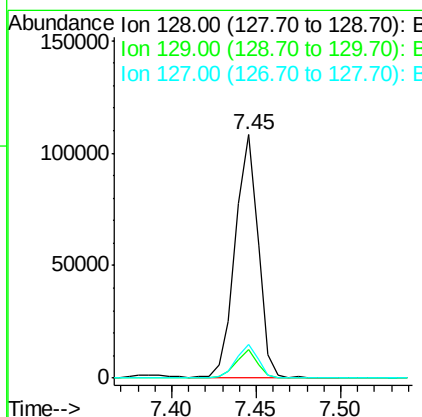
Manual Integrations
 APPROVED

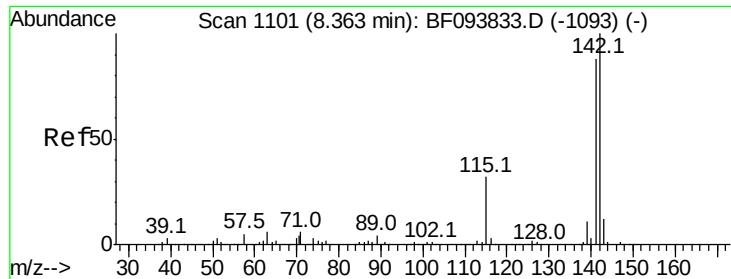
mohammad
 3/30/2017 2:31:42 PM



#31
 Naphthalene
 Concen: 3.26 ng
 RT: 7.45 min Scan# 945
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.0	13.6
127	13.7	10.8	16.2





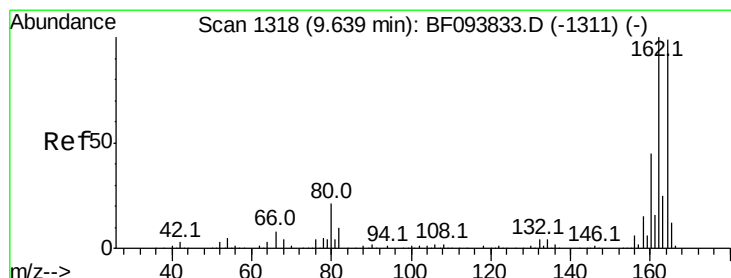
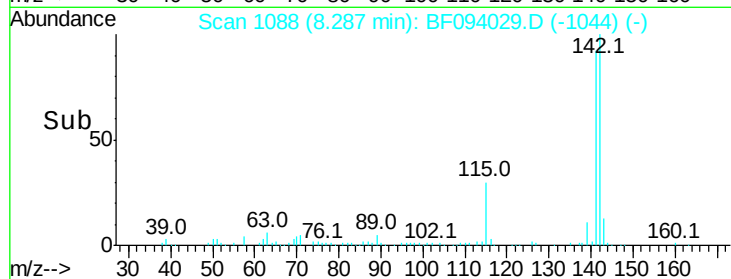
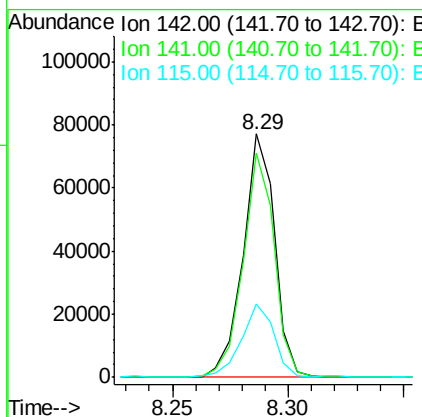
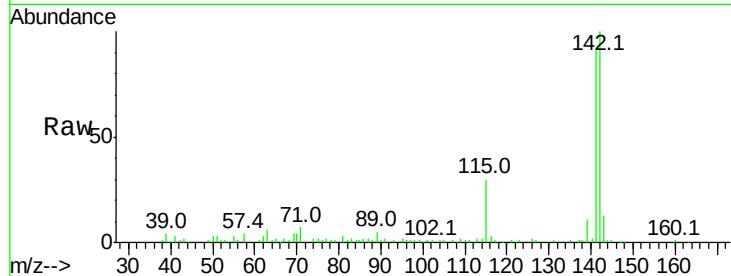
#37
 2-Methylnaphthalene
 Concen: 3.51 ng
 RT: 8.29 min Scan# 1088
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampleID :
 E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.3	106.9
115	30.4	27.1	40.7

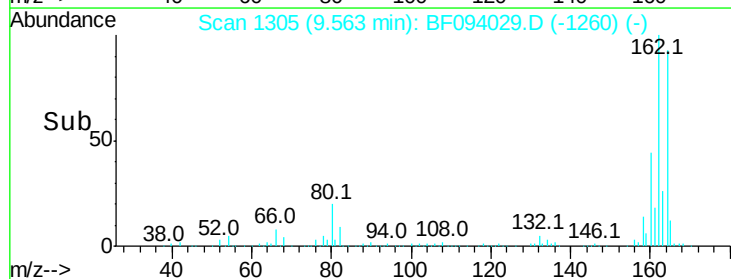
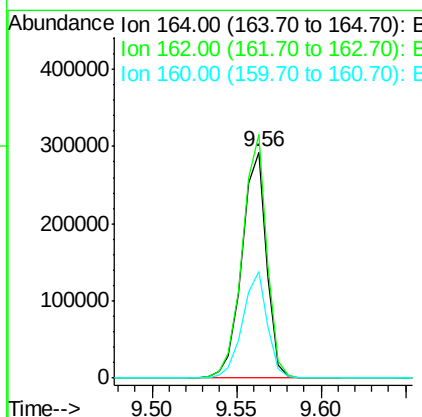
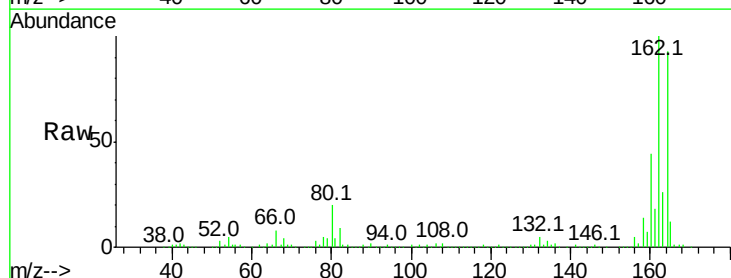
Manual Integrations
 APPROVED

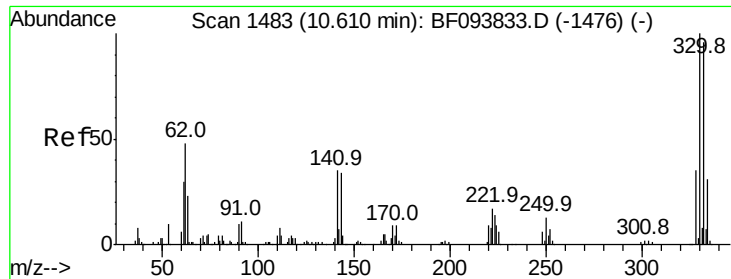
mohammad
 3/30/2017 2:31:42 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 1305
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	47.4	36.2	54.2





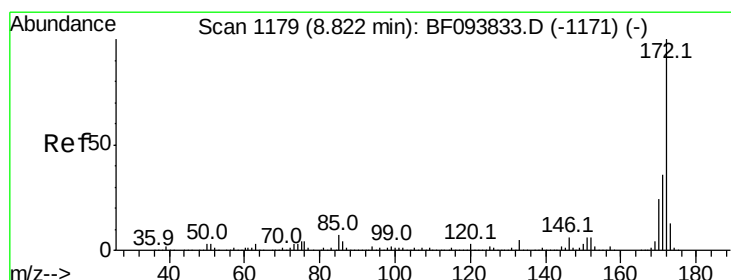
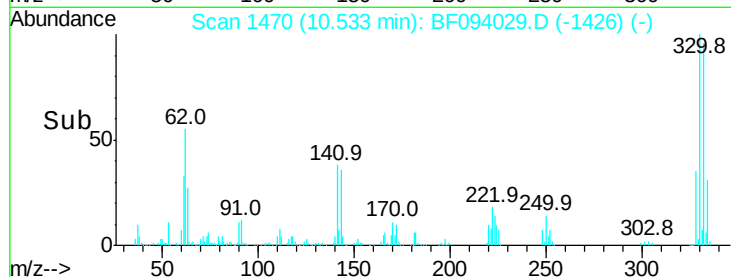
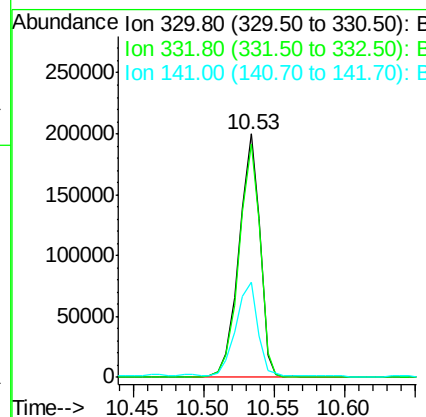
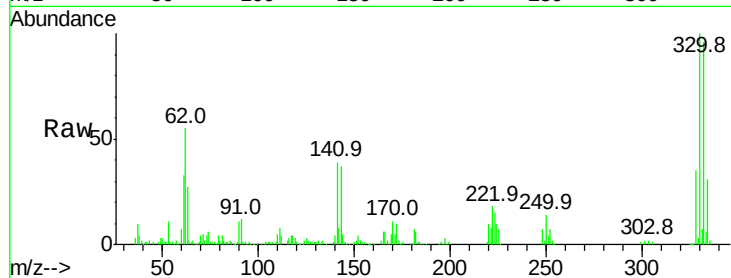
#41
 2,4,6-Tribromophenol
 Concen: 87.40 ng
 RT: 10.53 min Scan# 1470
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Instrument :
 BNA_F
 ClientSampled :
 E2-BB10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	206435		
332	96.8	76.6	115.0	
141	40.5	31.4	47.2	

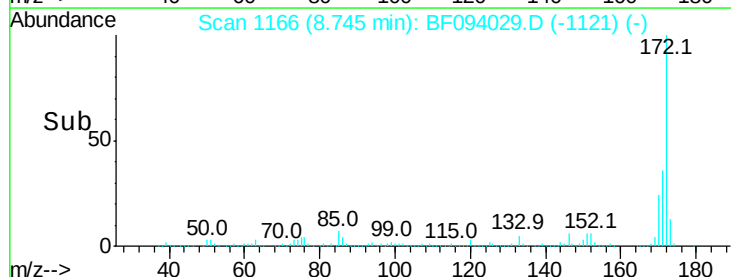
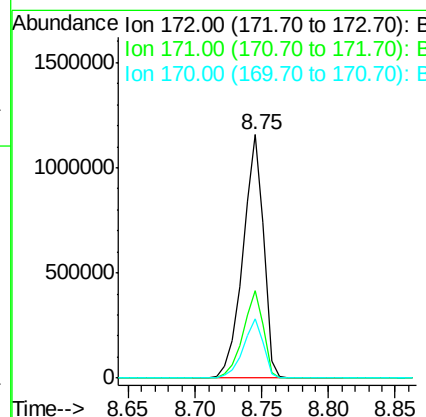
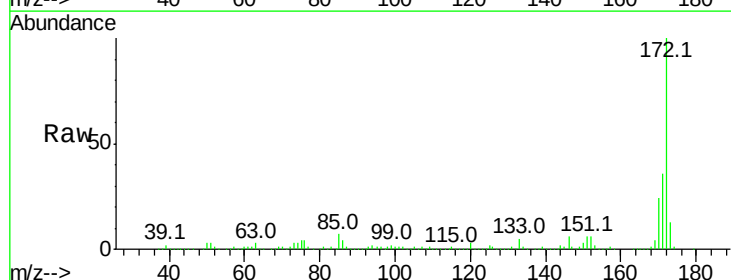
Manual Integrations
 APPROVED

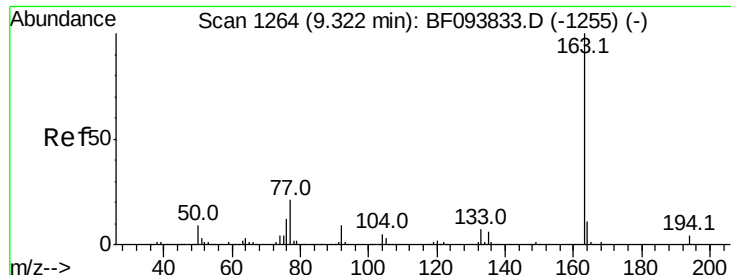
mohammad
 3/30/2017 2:31:42 PM



#44
 2-Fluorobiphenyl
 Concen: 63.32 ng
 RT: 8.75 min Scan# 1166
 Delta R.T. -0.04 min
 Lab File: BF094029.D
 Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1240878		
171	36.2	29.6	44.4	
170	24.3	19.8	29.8	





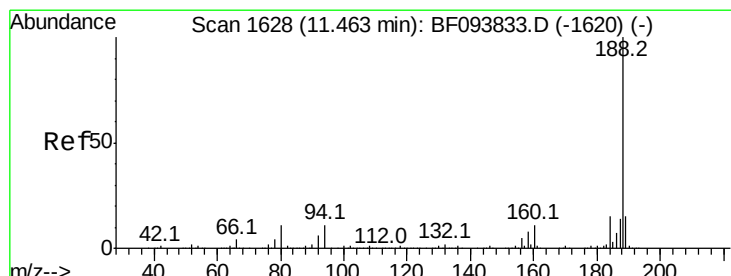
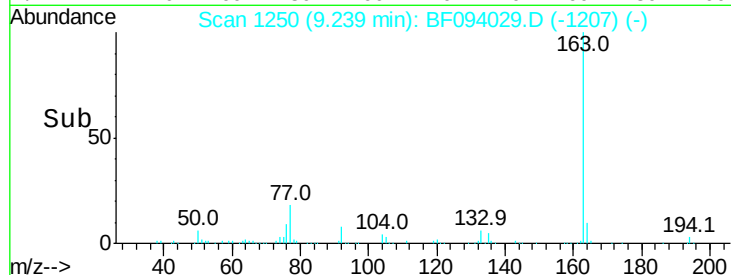
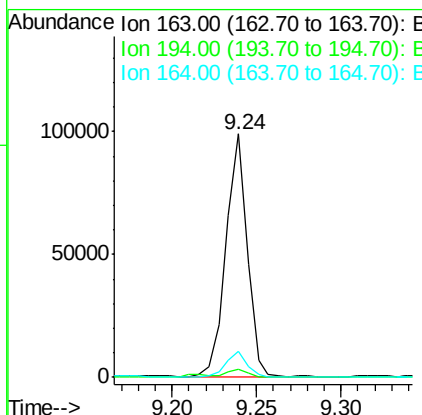
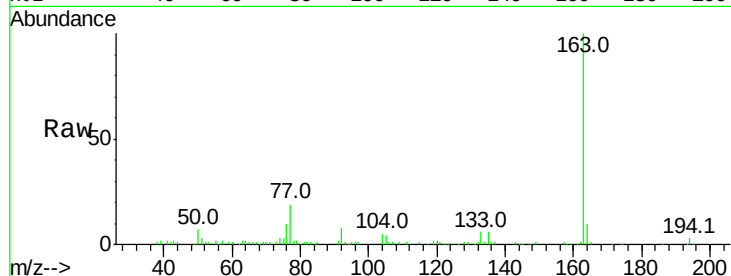
#49
Dimethylphthalate
Concen: 4.14 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	87862		
194	3.3		2.6	4.0
164	10.5		8.4	12.6

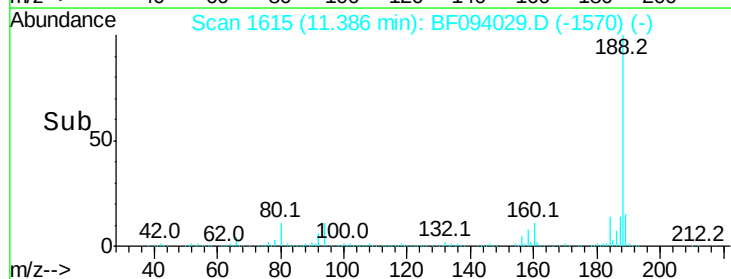
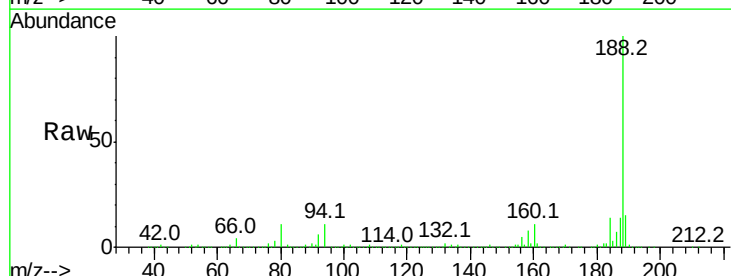
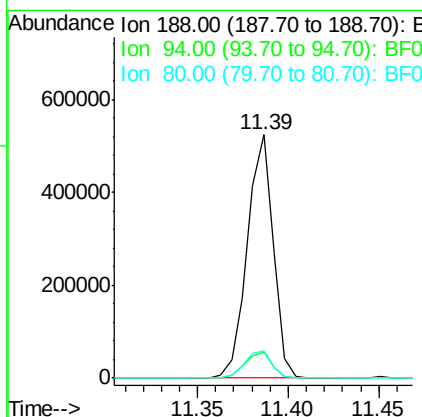
Manual Integrations
APPROVED

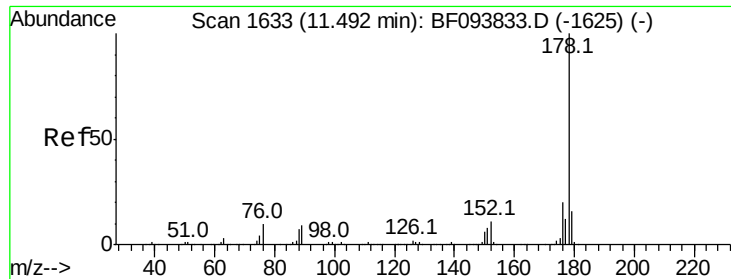
mohammad
3/30/2017 2:31:42 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	520545		
94	10.8		9.4	14.2
80	11.2		10.2	15.2





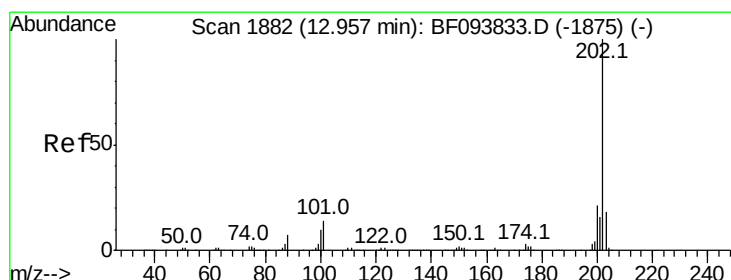
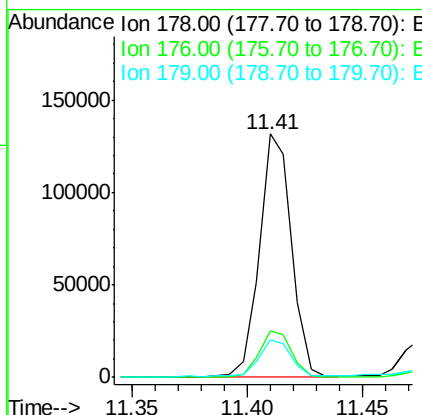
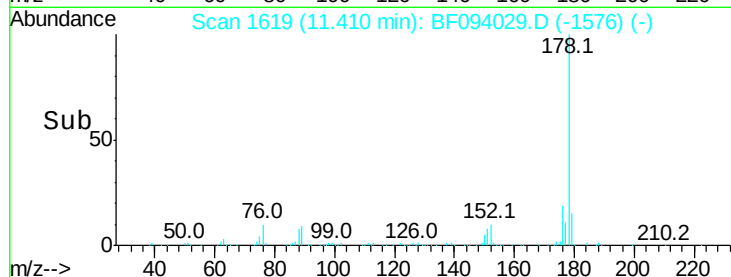
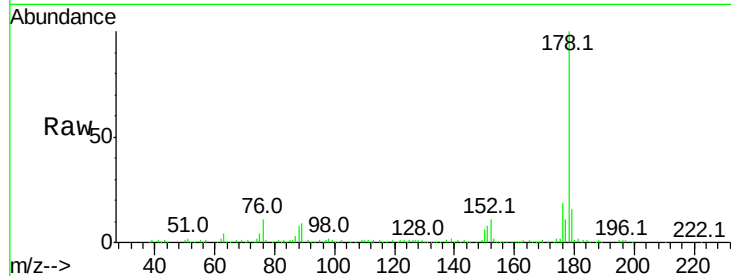
#70
Phenanthrene
Concen: 4.36 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.6	12.6	19.0

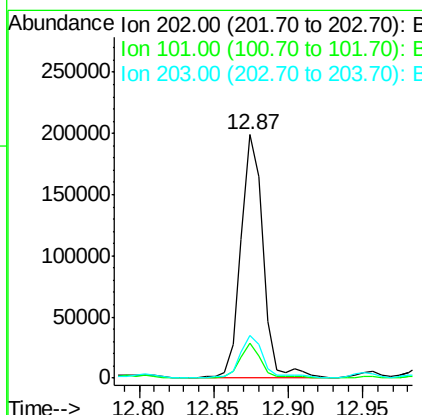
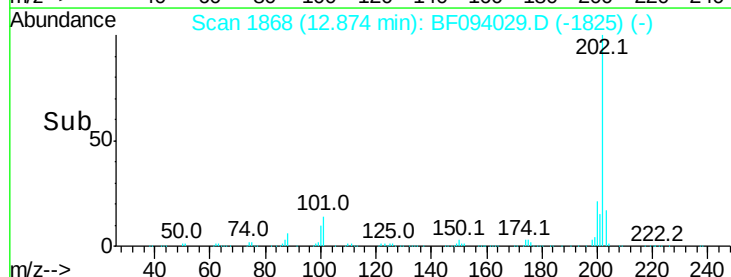
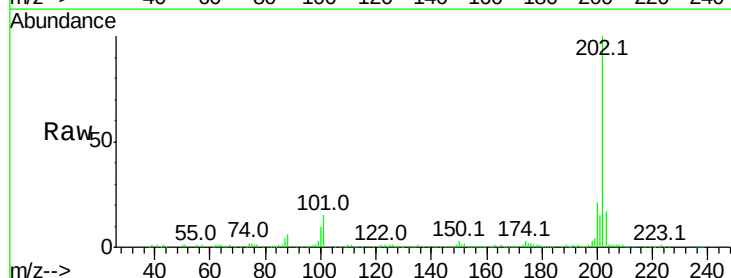
Manual Integrations
APPROVED

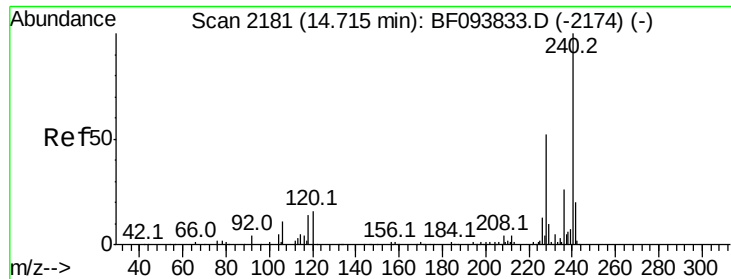
mohammad
3/30/2017 2:31:42 PM



#74
Fluoranthene
Concen: 6.88 ng
RT: 12.87 min Scan# 1868
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

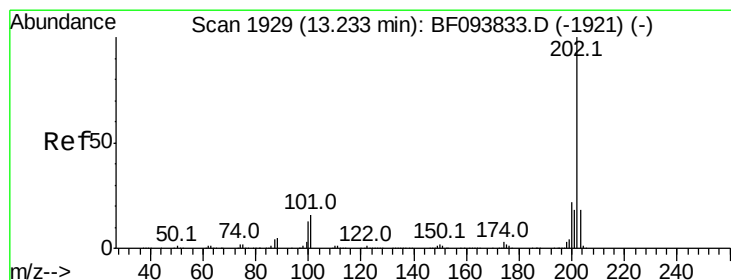
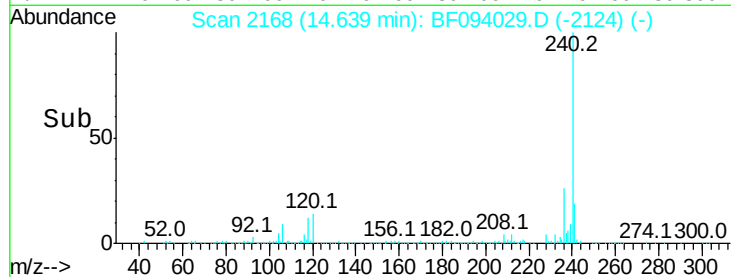
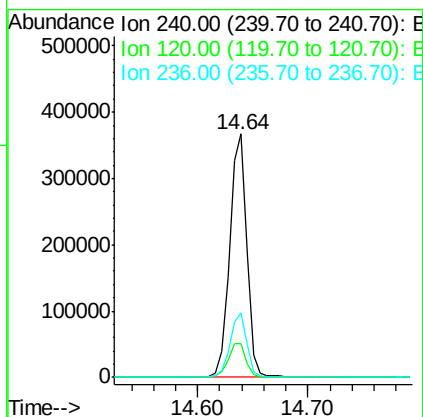
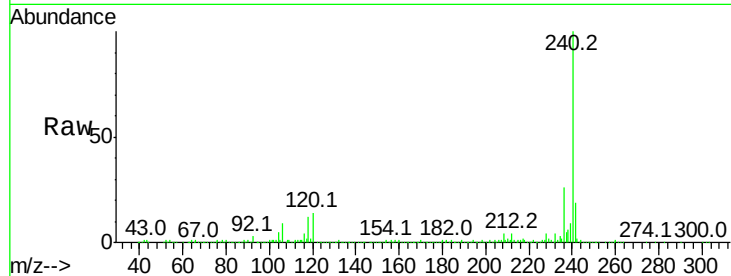
ClientSampleId :

E2-BB10-ESW

Tot Ion:	240	Resp:	395754
Ion Ratio	Lower	Upper	
240	100		
120	13.9	5.8	8.8#
236	26.3	20.5	30.7

Manual Integrations
APPROVED

mohammad
3/30/2017 2:31:42 PM



#77

Pyrene

Concen: 6.48 ng

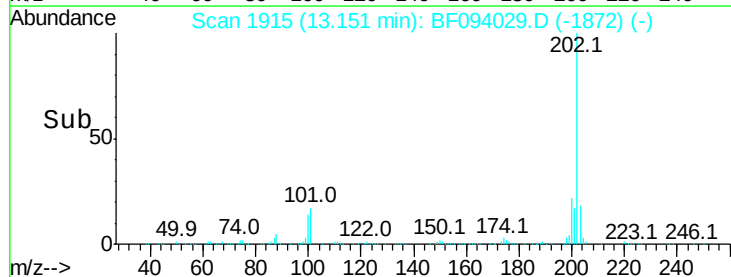
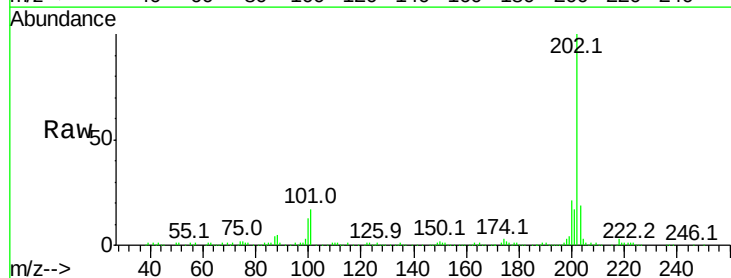
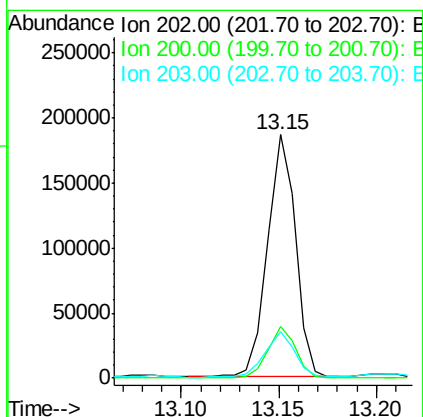
RT: 13.15 min Scan# 1915

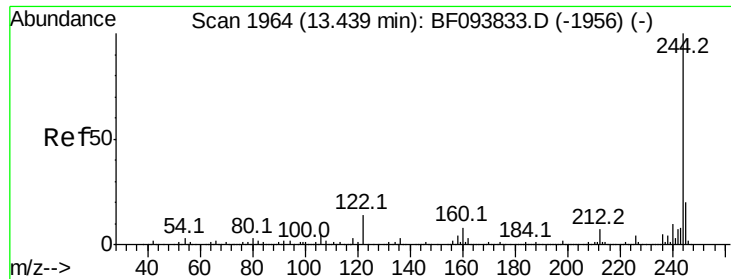
Delta R.T. -0.05 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Tgt Ion:	202	Resp:	186013
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.6	26.4
203	18.9	14.4	21.6





#78

Terphenyl-d14

Concen: 51.27 ng

RT: 13.36 min Scan# 1951

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Instrument :

BNA_F

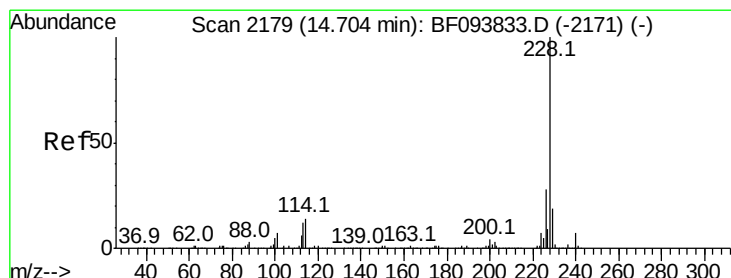
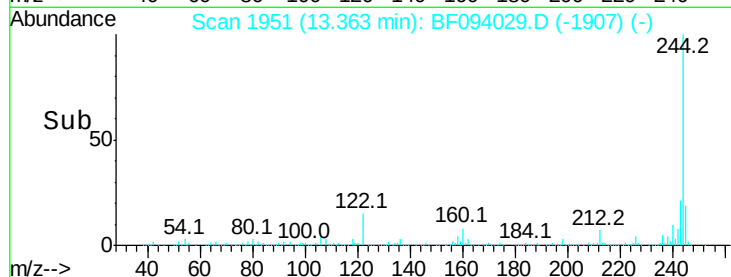
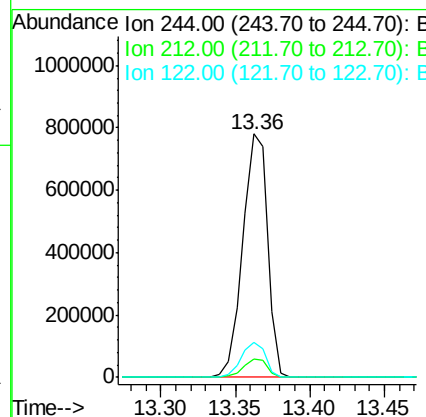
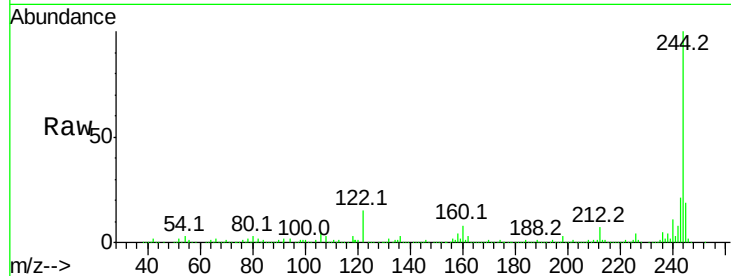
ClientSampleId :

E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.5	10.3	15.5

Manual Integrations
APPROVED

mohammad
3/30/2017 2:31:42 PM



#80

Benzo(a)anthracene

Concen: 3.73 ng m

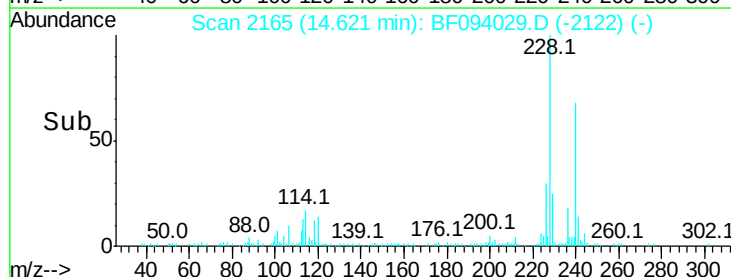
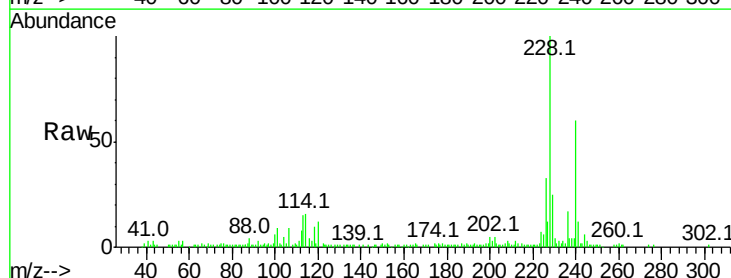
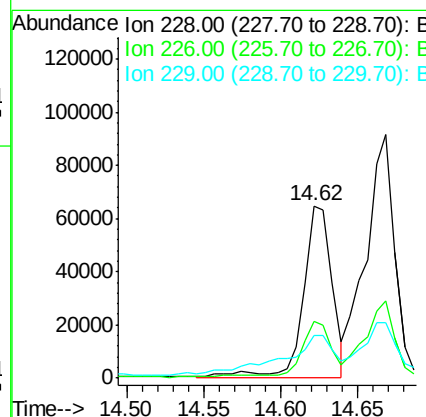
RT: 14.62 min Scan# 2165

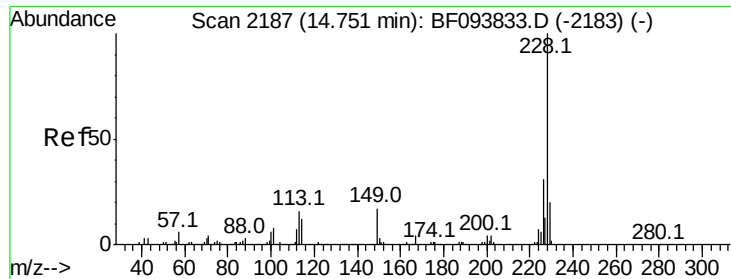
Delta R.T. -0.05 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	24.9	16.3	24.5





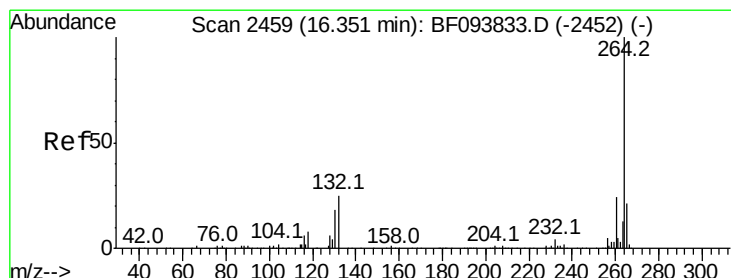
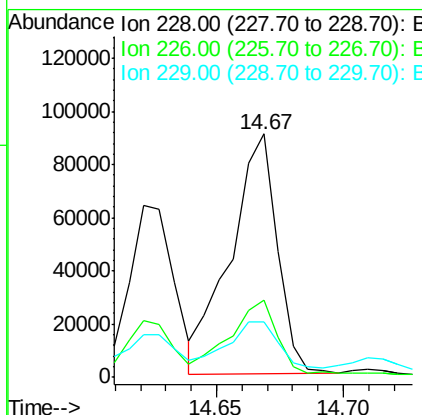
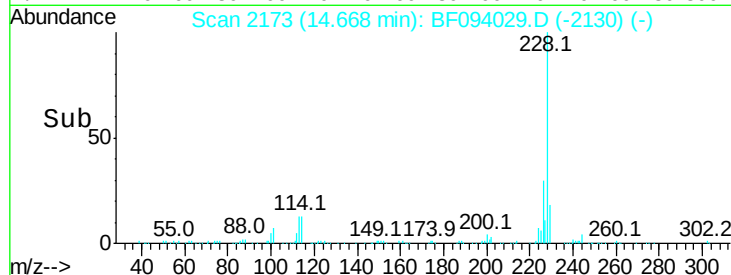
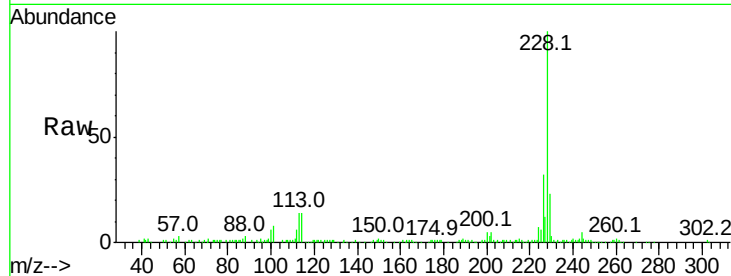
#82
Chrysene
Concen: 5.42 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	22.5	15.8	23.6

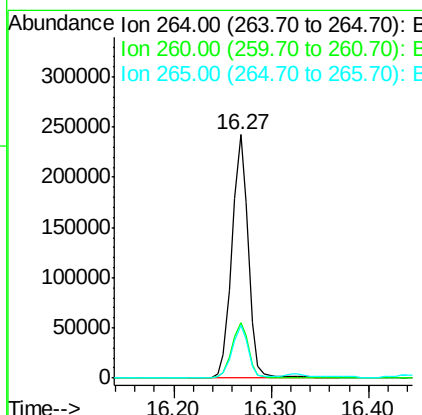
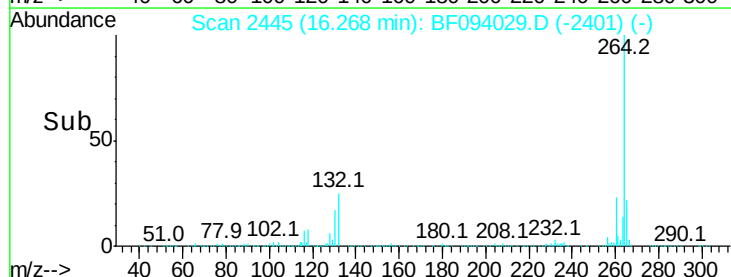
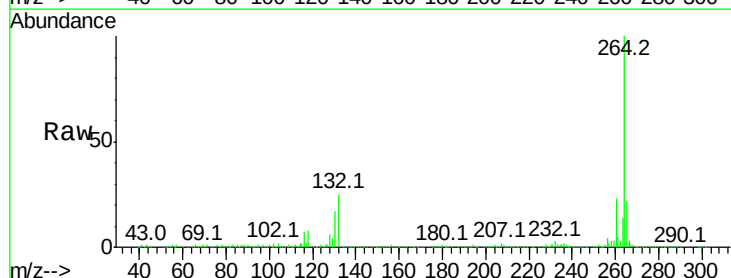
Manual Integrations
APPROVED

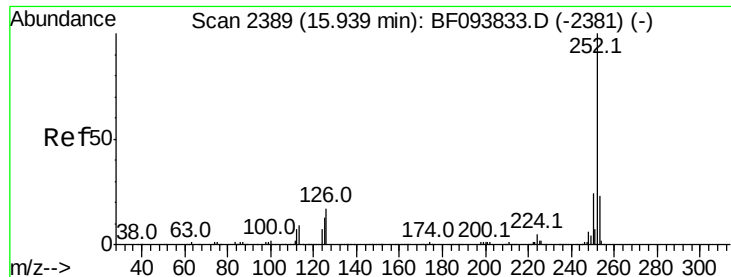
mohammad
3/30/2017 2:31:42 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 2445
Delta R.T. -0.04 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.65 ng m

RT: 15.86 min Scan# 2375

Delta R.T. -0.04 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

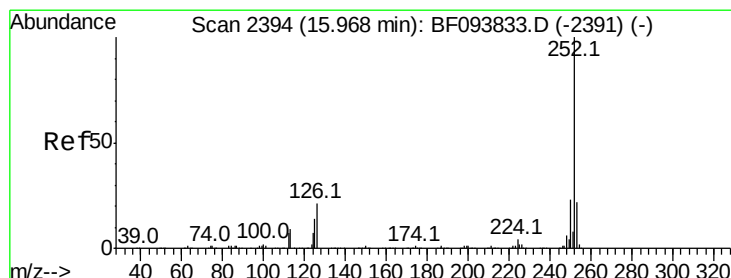
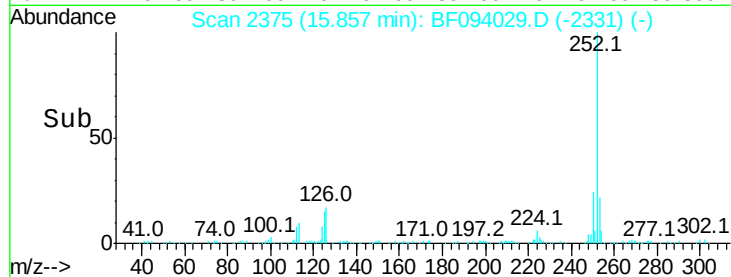
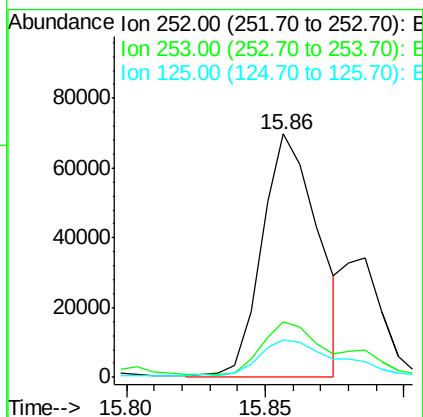
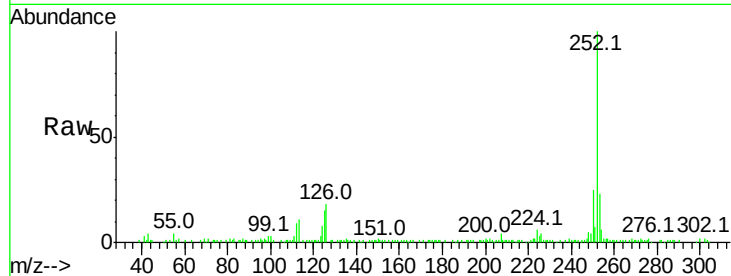
Instrument :
BNA_F

ClientSampleId :
E2-BB10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.5	9.8	14.8#

Manual Integrations
APPROVED

mohammad
3/30/2017 2:31:42 PM



#88

Benzo(k)fluoranthene

Concen: 2.07 ng m

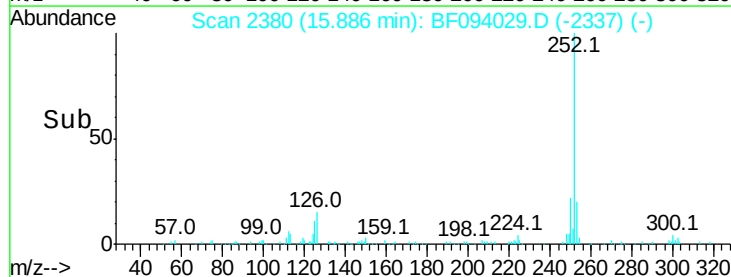
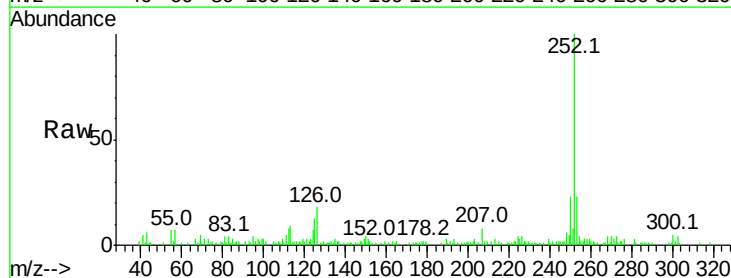
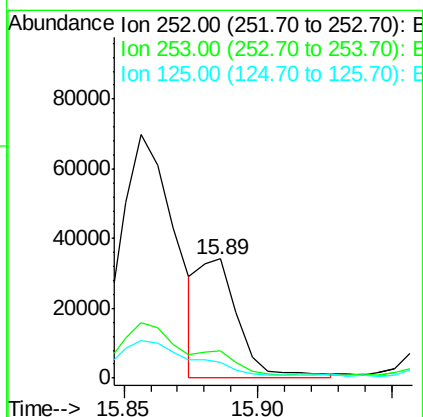
RT: 15.89 min Scan# 2380

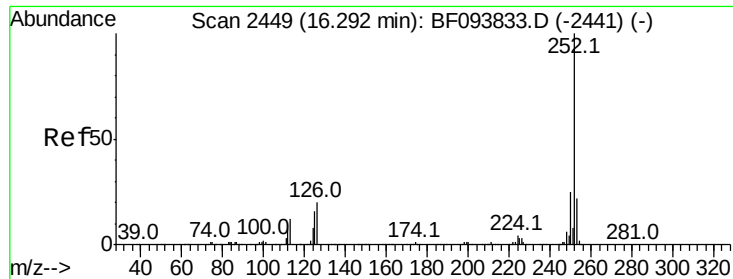
Delta R.T. -0.05 min

Lab File: BF094029.D

Acq: 29 Mar 2017 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	12.9	13.1	19.7#





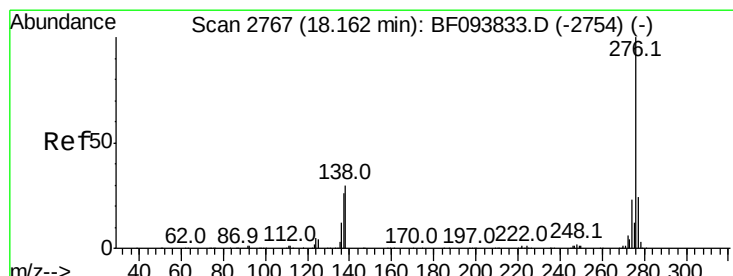
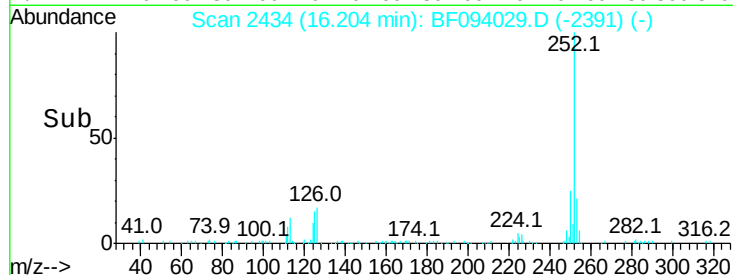
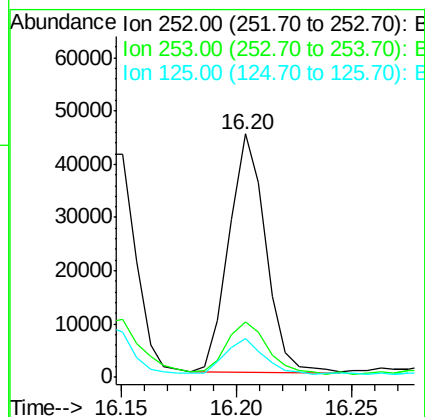
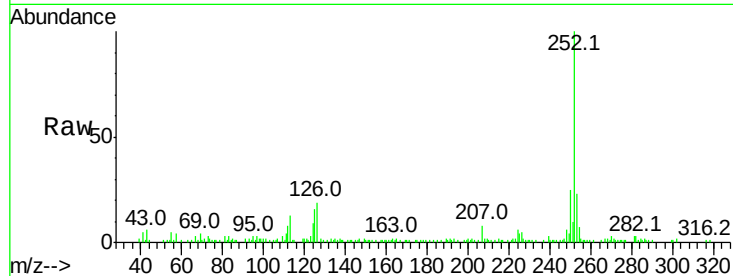
#89
Benzo(a)pyrene
Concen: 3.12 ng
RT: 16.20 min Scan# 2434
Delta R.T. -0.05 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Instrument :
BNA_F
ClientSampleId :
E2-BB10-ESW

Tot Ion:	252	Resp:	49832
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	16.0	11.0	16.4

Manual Integrations
APPROVED

mohammad
3/30/2017 2:31:42 PM



#91
Benzo(g,h,i)perylene
Concen: 2.64 ng
RT: 18.02 min Scan# 2742
Delta R.T. -0.08 min
Lab File: BF094029.D
Acq: 29 Mar 2017 20:12

Tgt Ion:	276	Resp:	35983
Ion Ratio	Lower	Upper	
276	100		
277	26.5	18.6	28.0
138	33.4	25.4	38.0

