

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093027.D
 Acq On : 17 Feb 2017 22:53
 Operator : SJ/MA
 Sample : I1884-04 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-B-COMP

Manual Integrations
 APPROVED

mohammad
 2/20/2017 1:00:19 PM

Quant Time: Feb 18 00:19:41 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	142960m	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	544534	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	235162	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	383922	20.00	ng	0.00
75) Chrysene-d12	14.02	240	294929	20.00	ng	0.00
86) Perylene-d12	15.46	264	239381	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	549309	65.92	ng	0.00
7) Phenol-d6	6.50	99	736649	68.71	ng	0.01
23) Nitrobenzene-d5	7.42	82	403664	41.28	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	103573	60.90	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	679097	52.32	ng	0.00
78) Terphenyl-d14	12.97	244	436979	34.81	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	58612	4.67	ng	# 69
31) Naphthalene	8.17	128	86291	3.13	ng	100
37) 2-Methylnaphthalene	8.85	142	44081m	2.49	ng	
49) Dimethylphthalate	9.62	163	84276	5.32	ng	100
70) Phenanthrene	11.40	178	231865	10.54	ng	98
71) Anthracene	11.46	178	71438	3.23	ng	97
74) Fluoranthene	12.59	202	272722	12.02	ng	98
77) Pyrene	12.82	202	293684	13.31	ng	100
80) Benzo(a)anthracene	14.01	228	161345	8.94	ng	# 92
82) Chrysene	14.04	228	190119m	11.26	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	61712	4.72	ng	95
87) Benzo(b)fluoranthene	15.05	252	178592m	11.33	ng	
88) Benzo(k)fluoranthene	15.06	252	39623m	2.91	ng	
89) Benzo(a)pyrene	15.39	252	121329	8.90	ng	# 87
91) Benzo(g,h,i)perylene	17.30	276	61455	5.52	ng	# 86

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

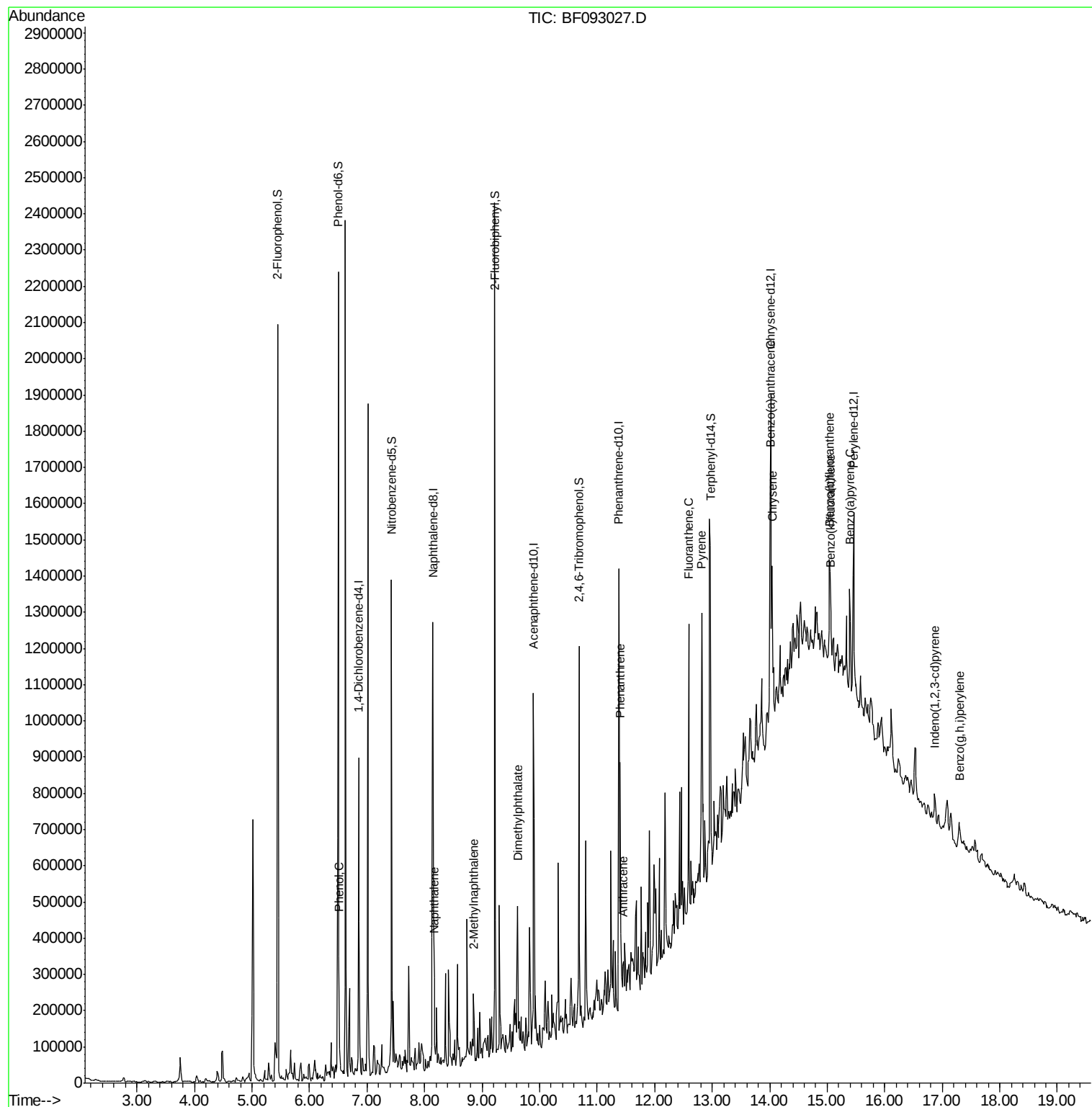
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093027.D
Acq On : 17 Feb 2017 22:53
Operator : SJ/MA
Sample : I1884-04 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

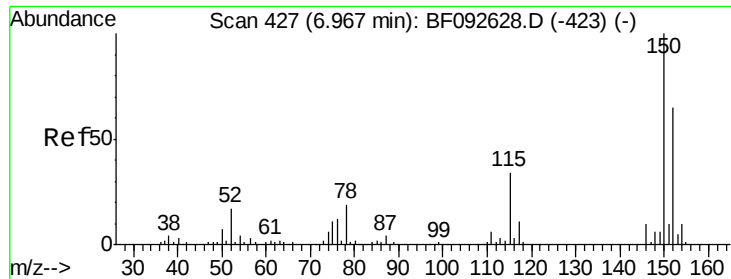
Instrument :
BNA_F
ClientSampleId :
PIT-B-COMP

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM

Quant Time: Feb 18 00:19:41 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





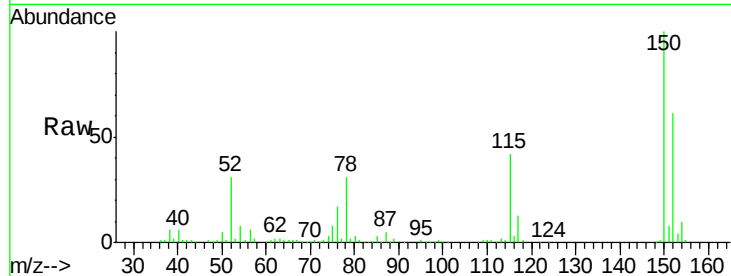
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.85 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: BF093027.D
 Acq: 17 Feb 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PIT-B-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.8	124.9	187.3
115	69.2	46.0	69.0

Manual Integrations
 APPROVED

mohammad
 2/20/2017 1:00:19 PM

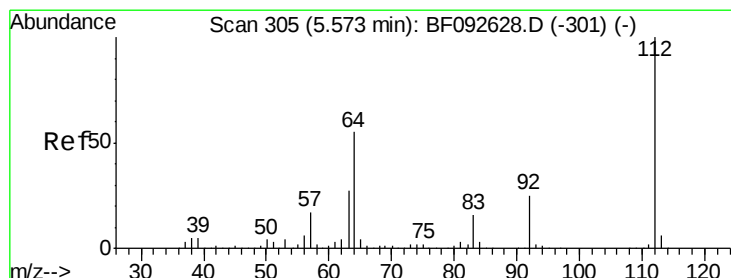
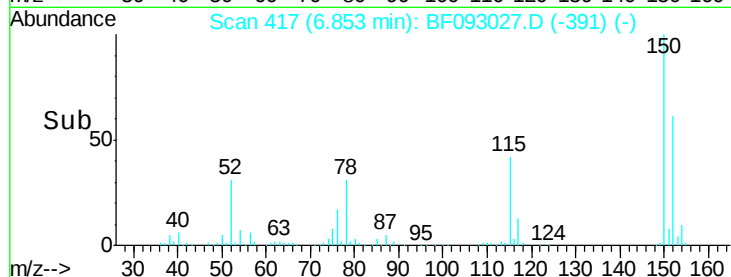
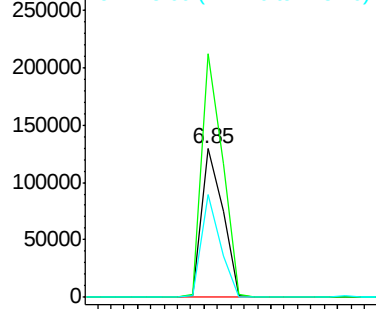


Abundance

Ion 152.00 (151.70 to 152.70): E

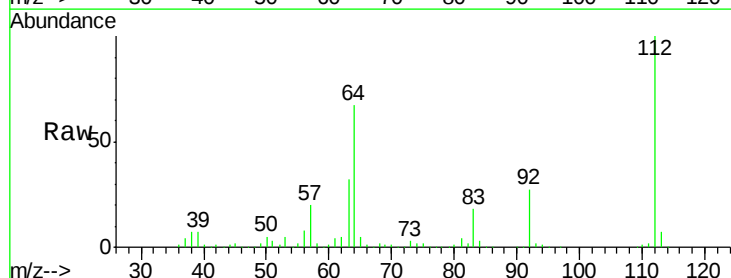
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 65.92 ng
 RT: 5.45 min Scan# 294
 Delta R.T. -0.00 min
 Lab File: BF093027.D
 Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.1	69.1
63	32.5	23.8	35.6

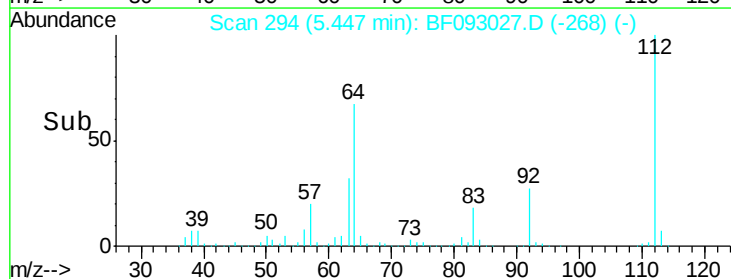
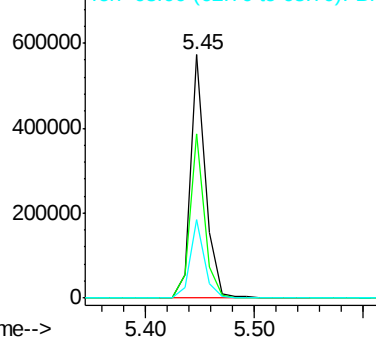


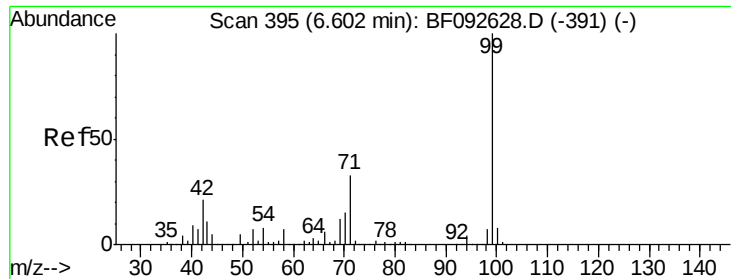
Abundance

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: 68.71 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

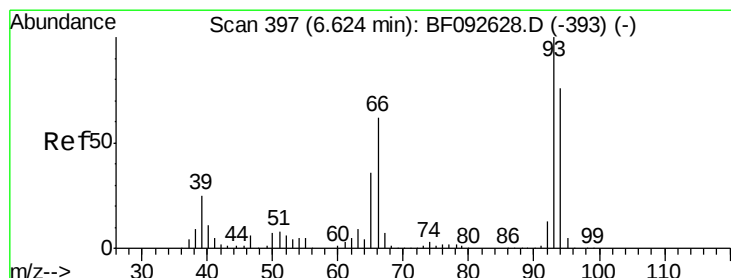
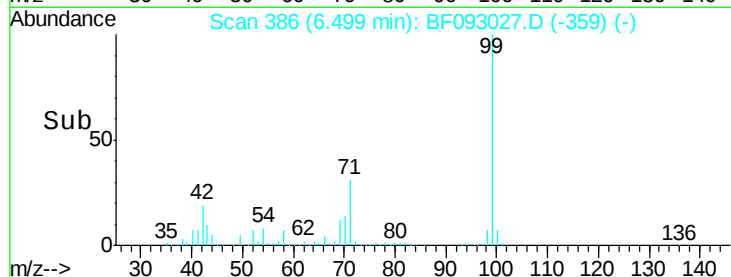
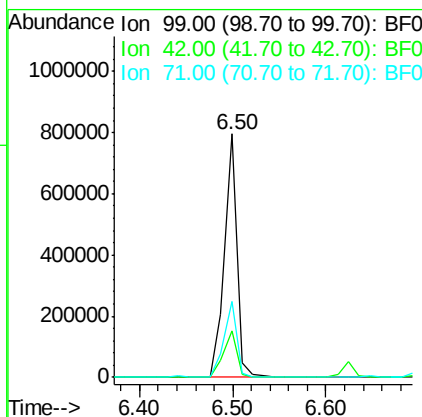
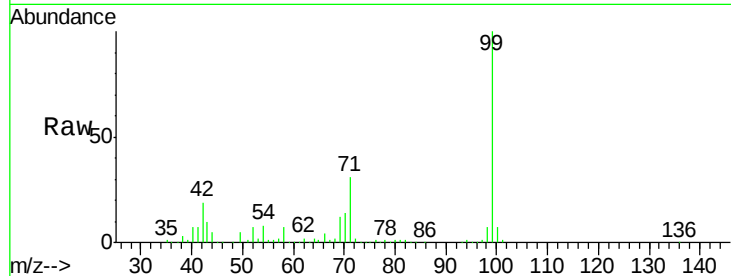
ClientSampled :

PIT-B-COMP

Tgt Ion:	99	Resp:	736649
Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.6	23.4
71	31.3	27.5	41.3

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM



#10

Phenol

Concen: 4.67 ng

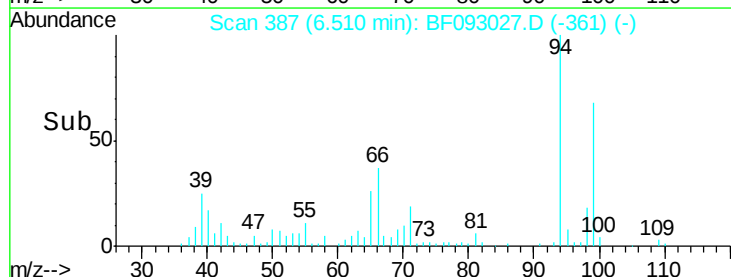
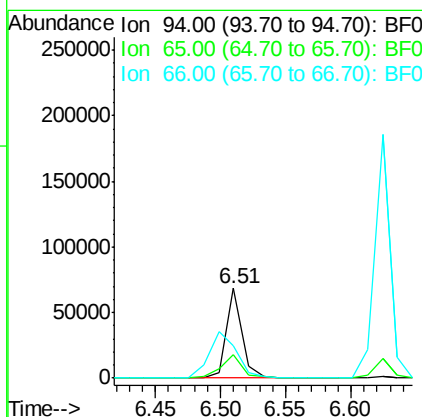
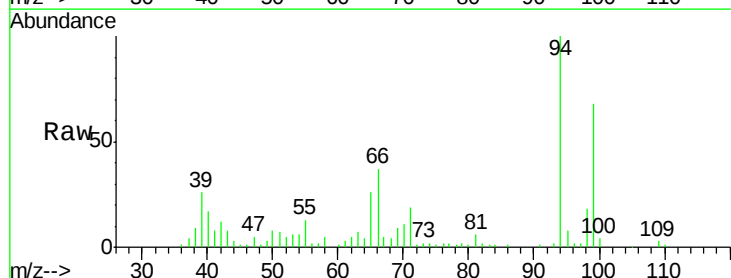
RT: 6.51 min Scan# 387

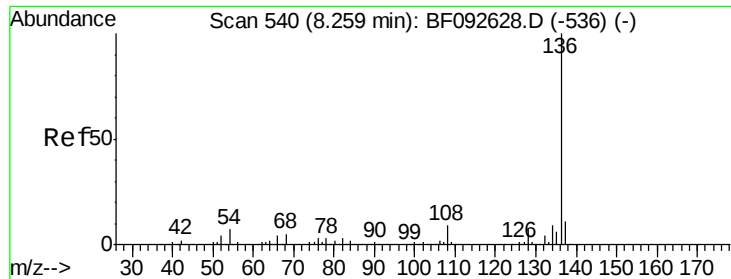
Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Tgt Ion:	94	Resp:	58612
Ion	Ratio	Lower	Upper
94	100		
65	26.4	21.4	61.4
66	36.6	44.0	84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

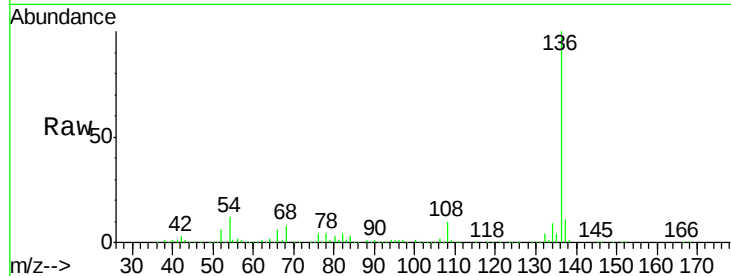
ClientSampleId :

PIT-B-COMP

Tgt Ion:	136	Resp:	544534
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	12.3	4.5	6.7#
68	8.2	3.6	5.4#

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM

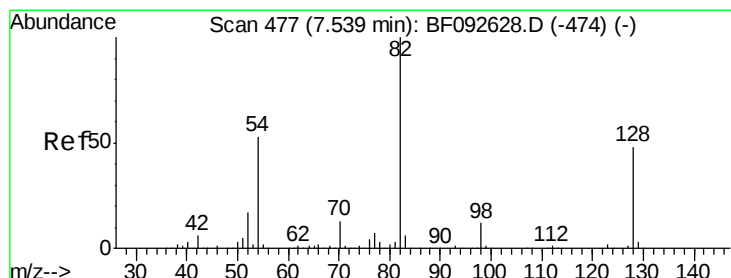
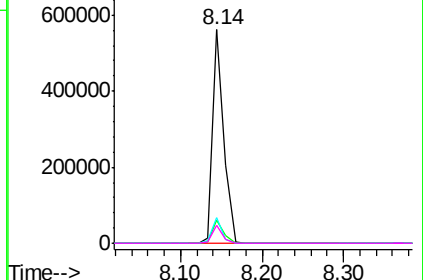
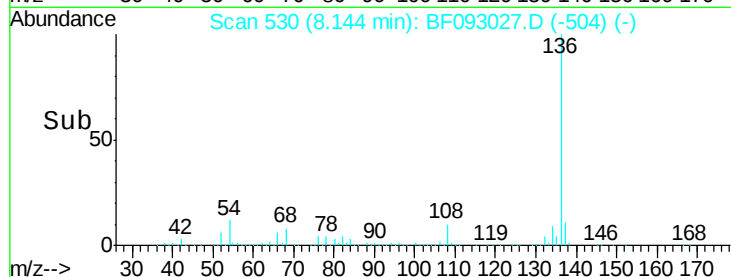


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 41.28 ng

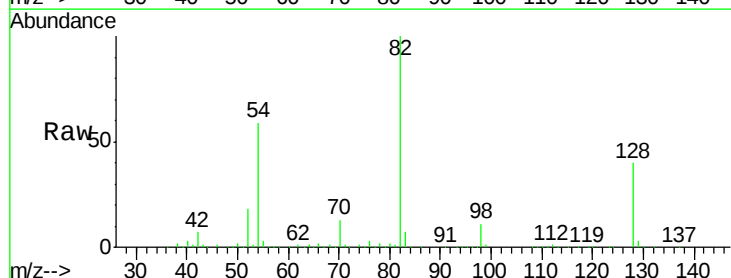
RT: 7.42 min Scan# 467

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

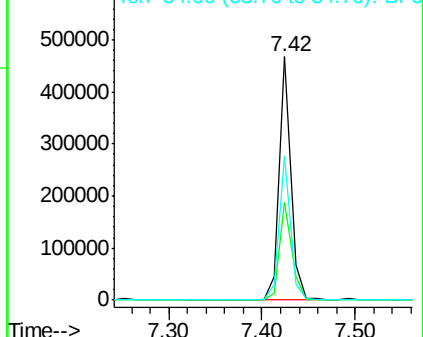
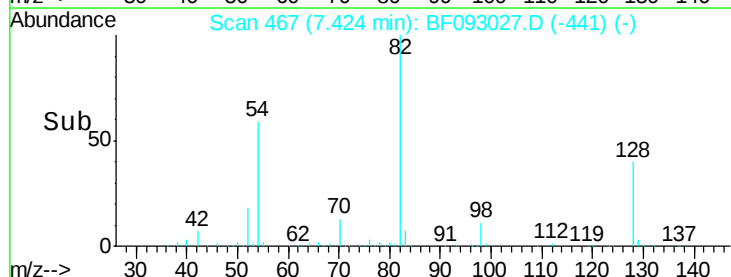
Tgt Ion:	82	Resp:	403664
Ion Ratio	Lower	Upper	
82	100		
128	39.9	34.6	52.0
54	59.0	39.5	59.3

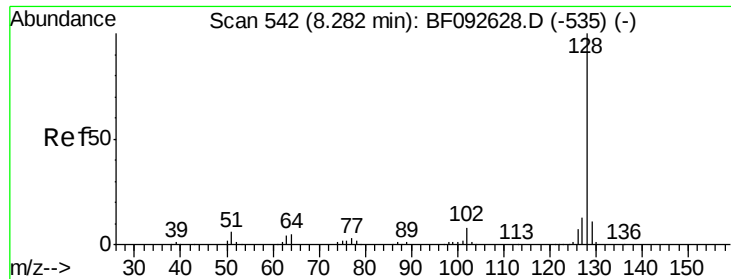


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





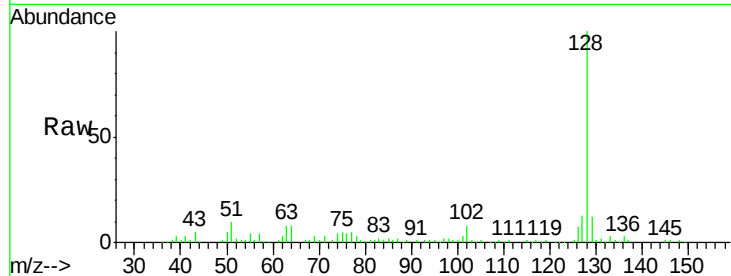
#31
Naphthalene
Concen: 3.13 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Instrument :
BNA_F
ClientSampled :
PIT-B-COMP

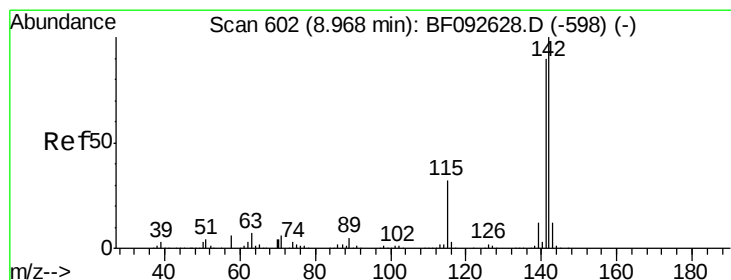
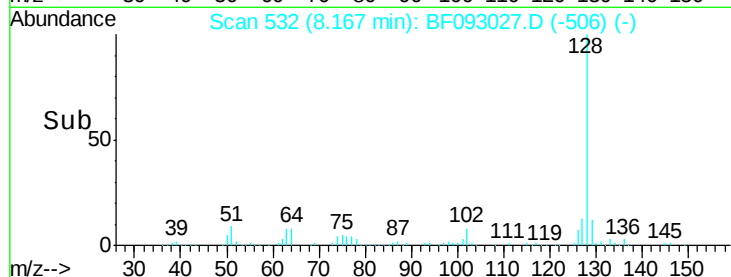
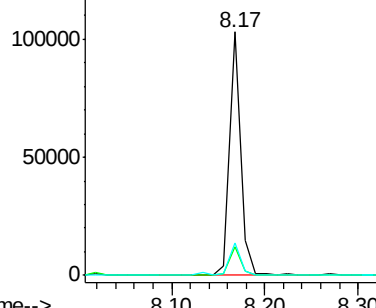
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.5	14.3
127	13.3	10.8	16.2

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM

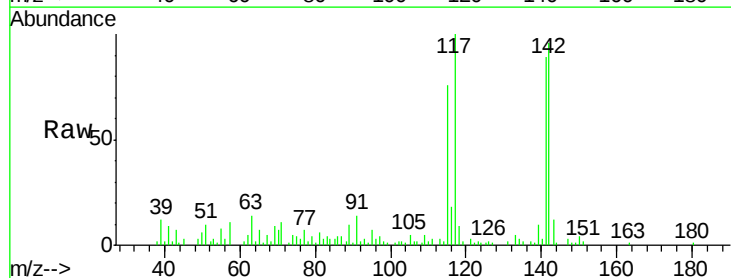


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

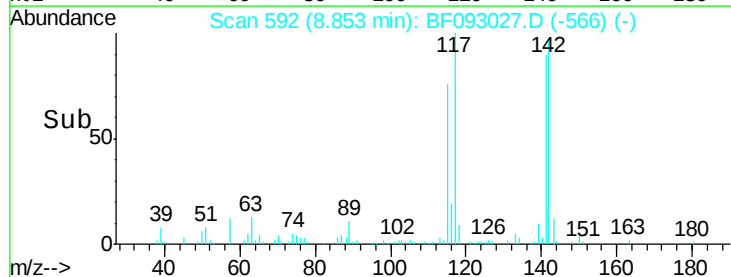
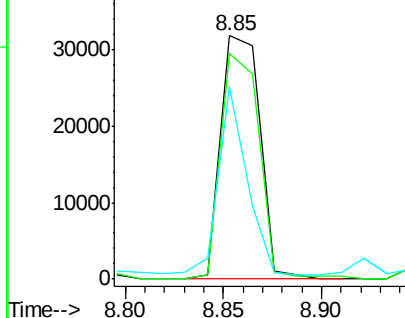


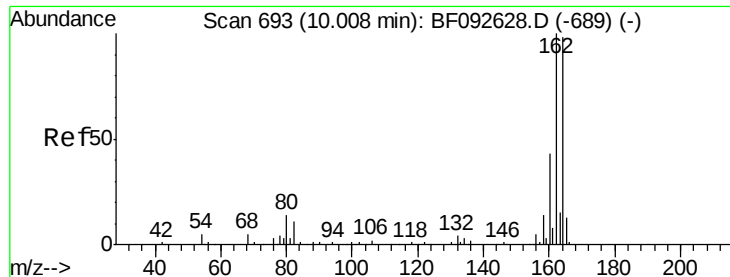
#37
2-Methylnaphthalene
Concen: 2.49 ng m
RT: 8.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.0	106.6
115	79.0	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





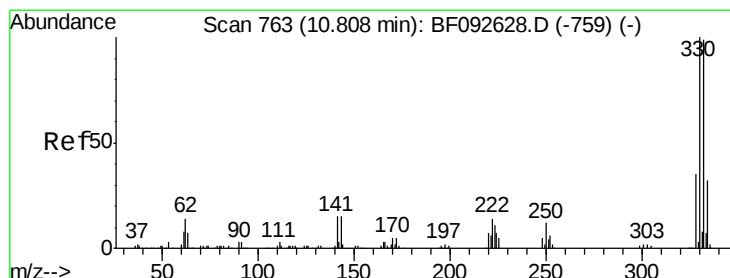
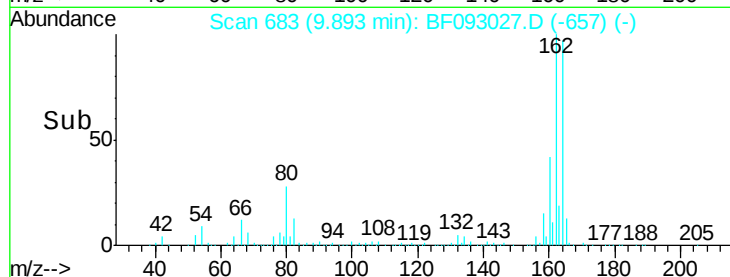
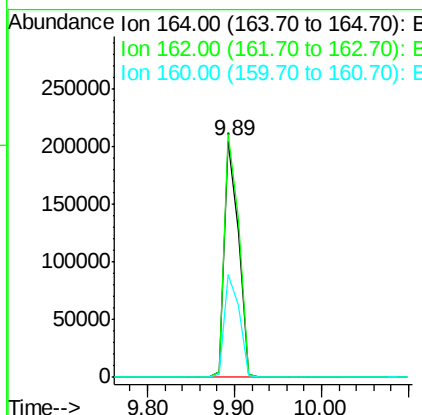
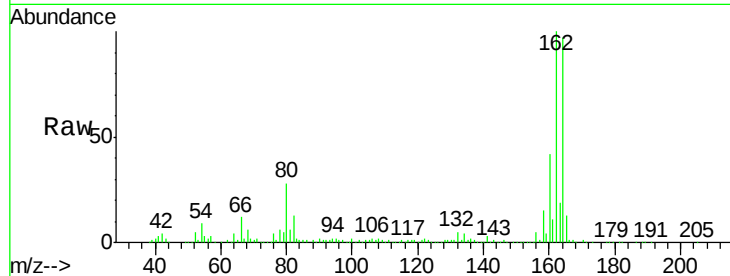
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Instrument :
BNA_F
ClientSampleId :
PIT-B-COMP

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.2	120.2
160	43.6	36.9	55.3

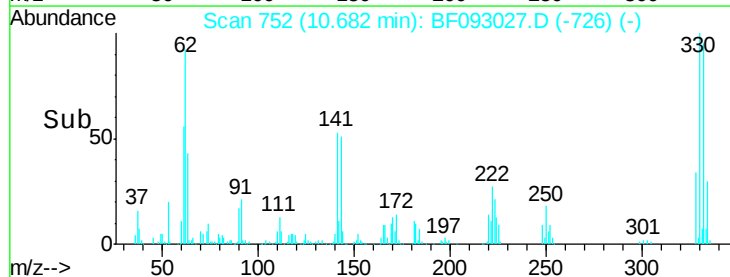
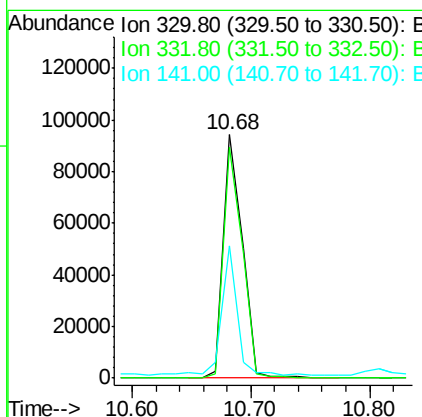
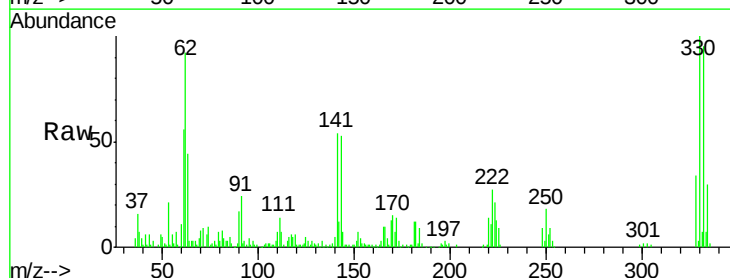
Manual Integrations
APPROVED

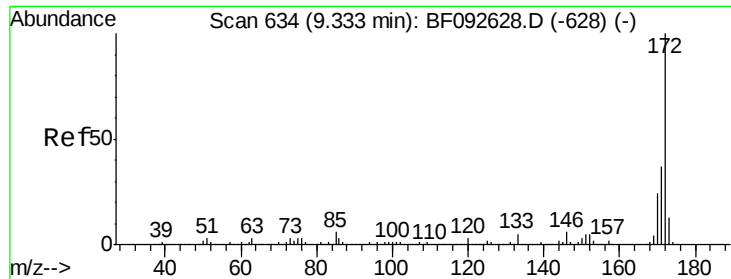
mohammad
2/20/2017 1:00:19 PM



#41
2,4,6-Tribromophenol
Concen: 60.90 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.4	116.2
141	44.5	34.1	51.1





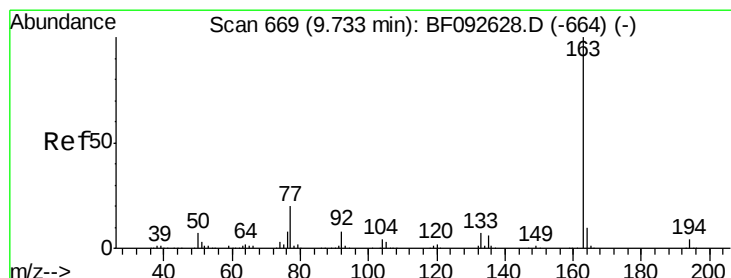
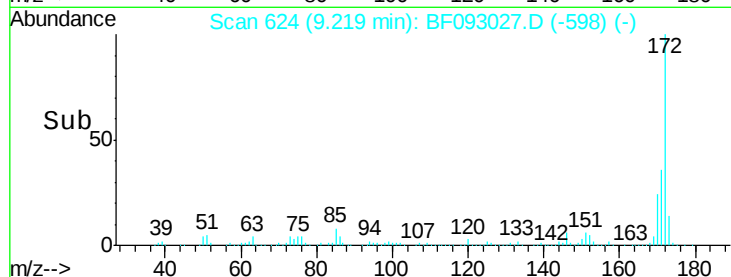
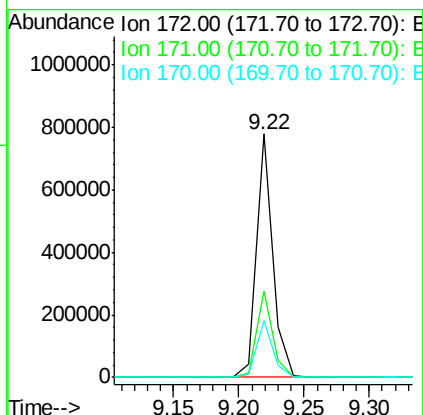
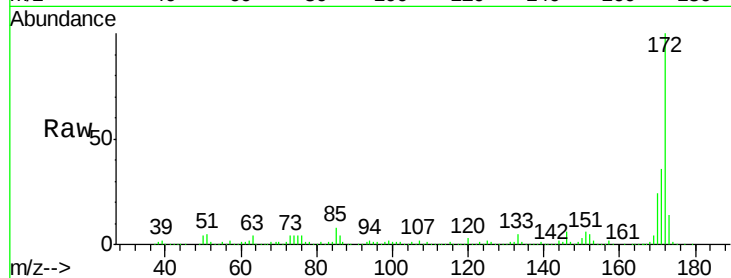
#44
2-Fluorobiphenyl
Concen: 52.32 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Instrument :
BNA_F
ClientSampled :
PIT-B-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	679097		
171	35.5		29.4	44.0
170	23.5		20.2	30.4

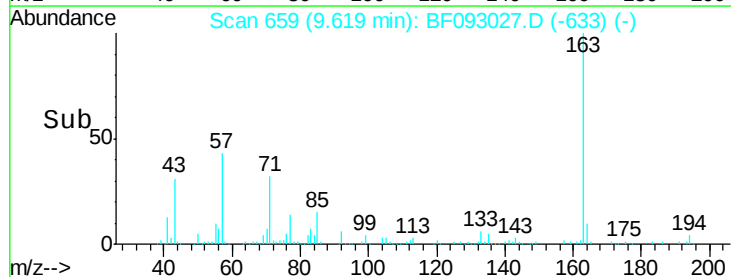
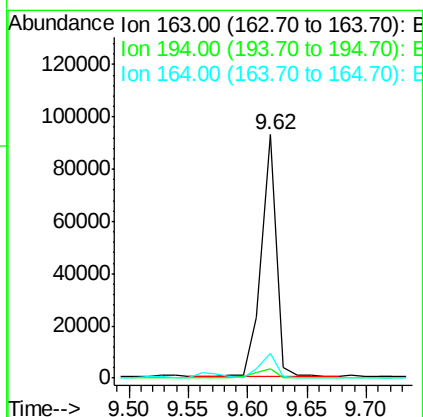
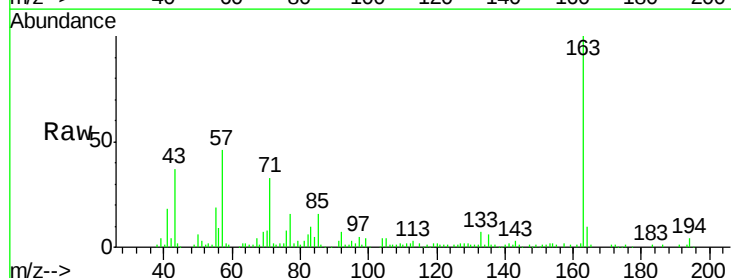
Manual Integrations
APPROVED

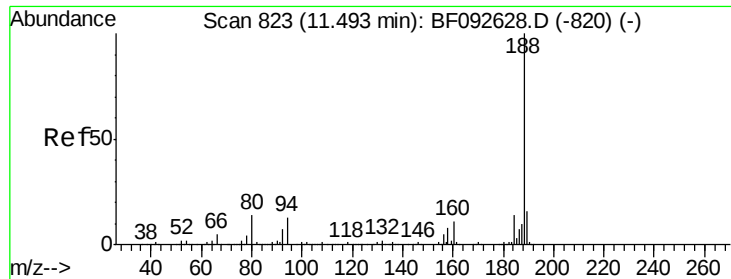
mohammad
2/20/2017 1:00:19 PM



#49
Dimethylphthalate
Concen: 5.32 ng
RT: 9.62 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	84276		
194	3.9		3.0	4.4
164	10.1		8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

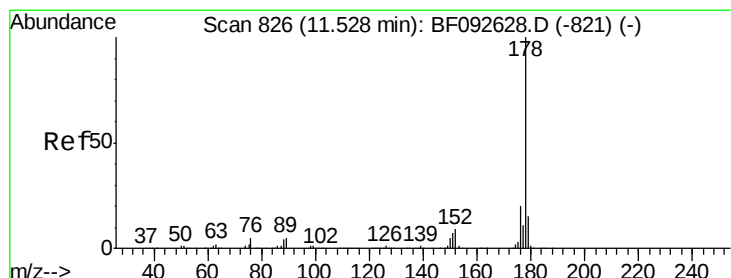
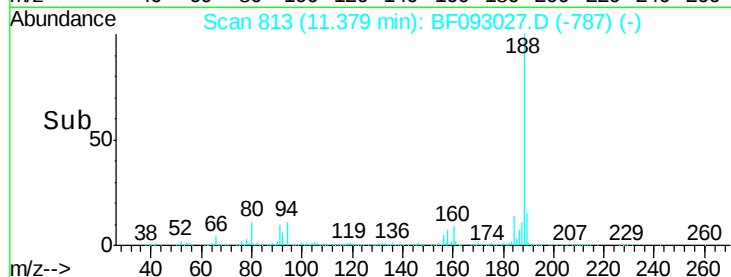
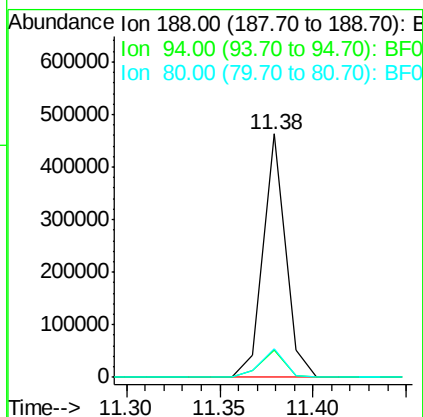
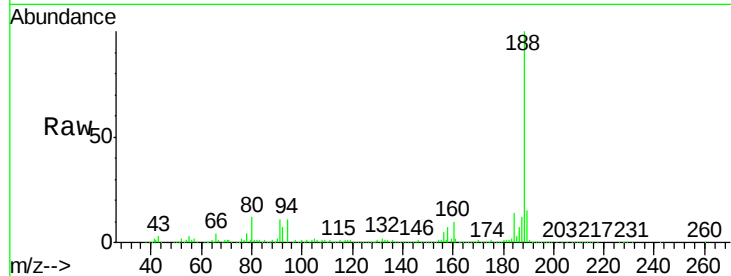
ClientSampleId :

PIT-B-COMP

Tgt Ion:	188	Resp:	383922
Ion Ratio	Lower	Upper	
188	100		
94	11.3	10.0	15.0
80	11.5	11.2	16.8

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM



#70

Phenanthrene

Concen: 10.54 ng

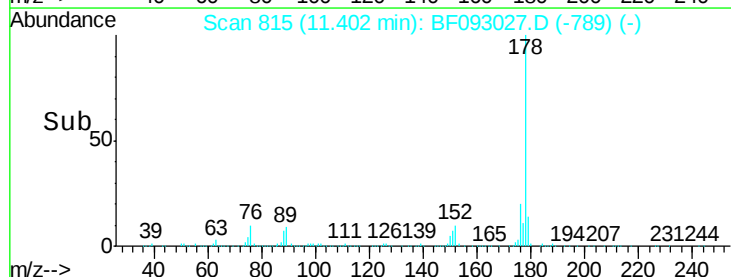
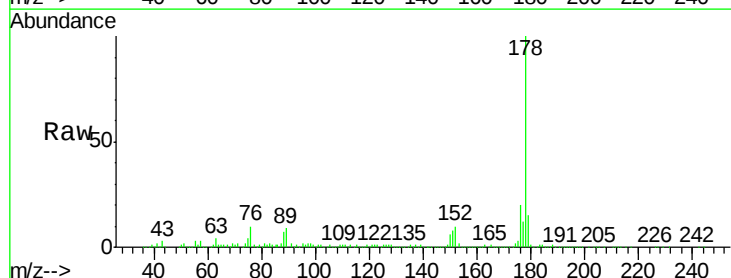
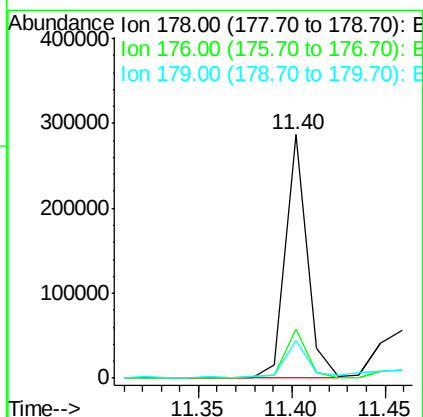
RT: 11.40 min Scan# 815

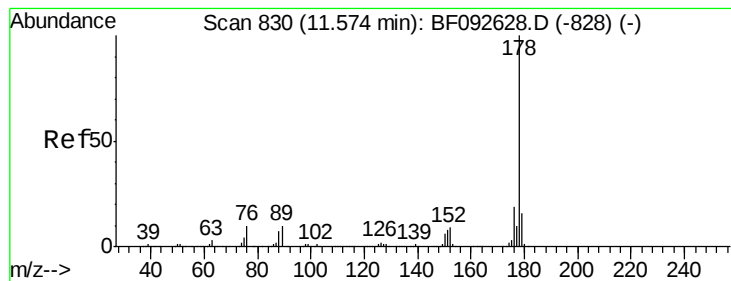
Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Tgt Ion:	178	Resp:	231865
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.6	25.0
179	15.3	12.8	19.2





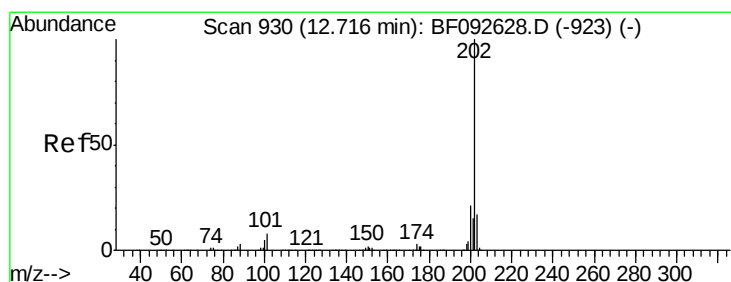
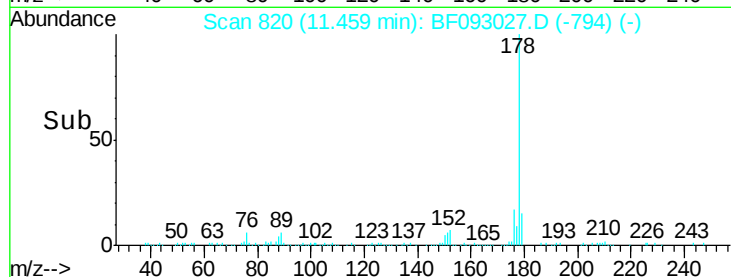
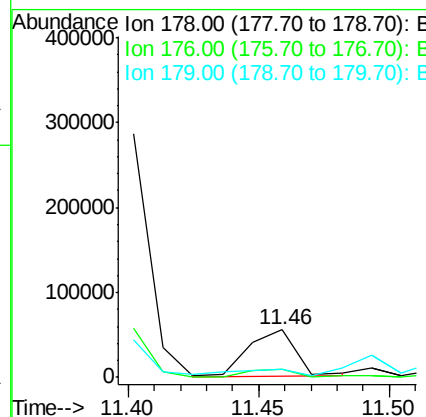
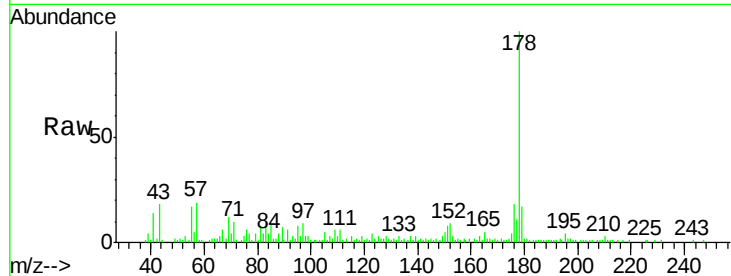
#71
 Anthracene
 Concen: 3.23 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BF093027.D
 Acq: 17 Feb 2017 22:53

Instrument :
 BNA_F
 ClientSampleId :
 PIT-B-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	16.5	13.2	19.8

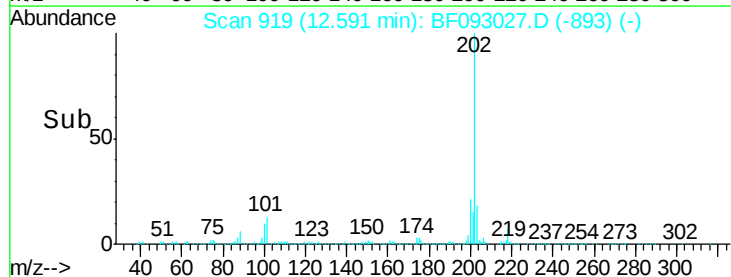
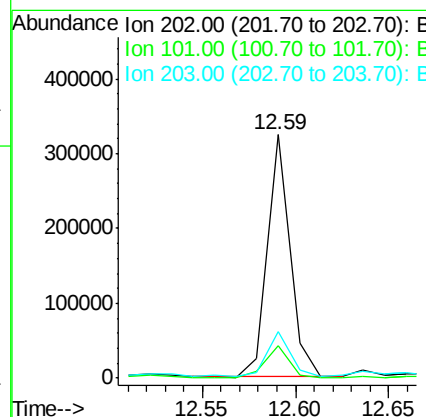
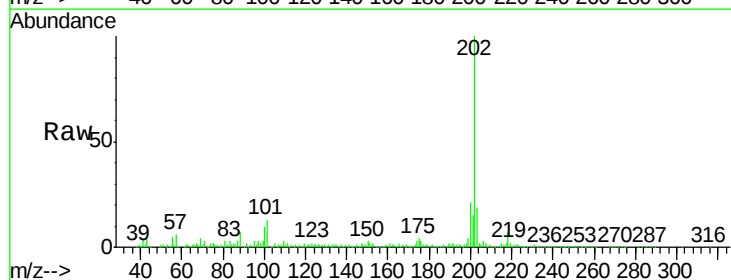
Manual Integrations
 APPROVED

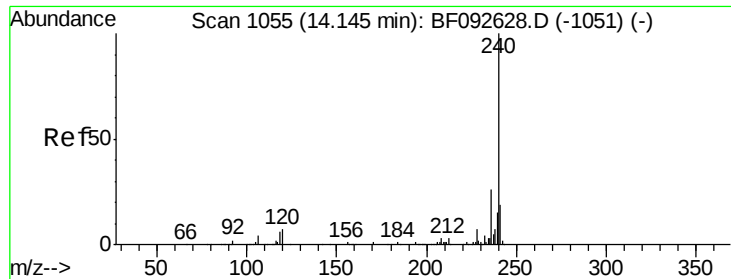
mohammad
 2/20/2017 1:00:19 PM



#74
 Fluoranthene
 Concen: 12.02 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF093027.D
 Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.6
203	18.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

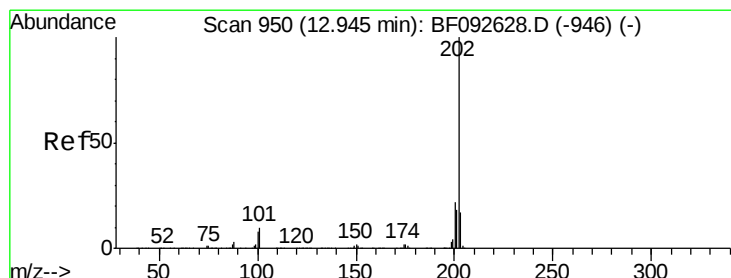
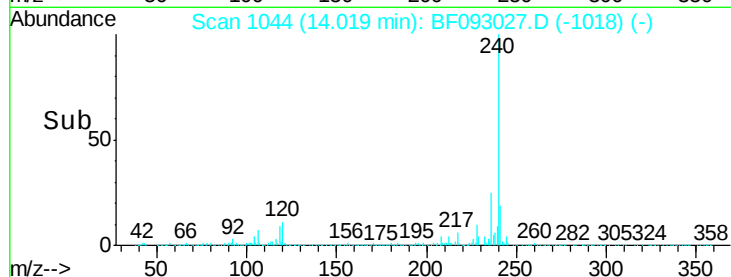
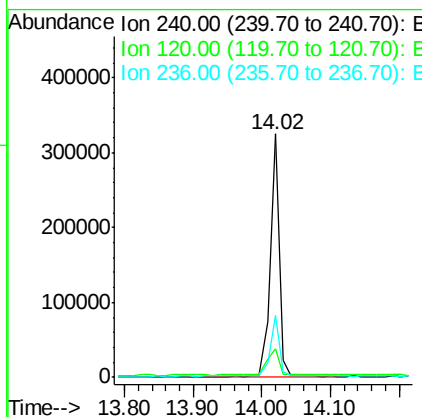
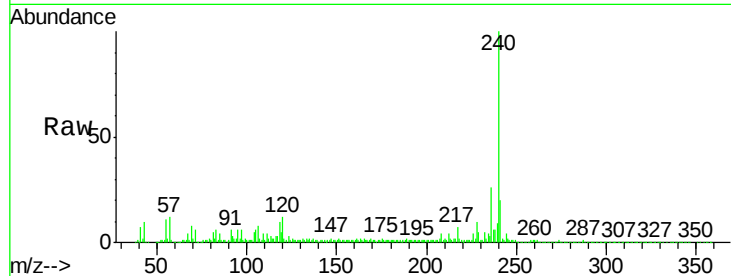
ClientSampleId :

PIT-B-COMP

Tgt Ion:	240	Resp:	294929
Ion Ratio	Lower	Upper	
240	100		
120	11.9	12.9	19.3#
236	25.6	20.9	31.3

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM



#77

Pyrene

Concen: 13.31 ng

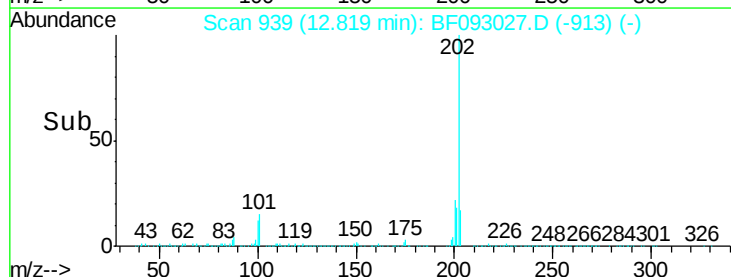
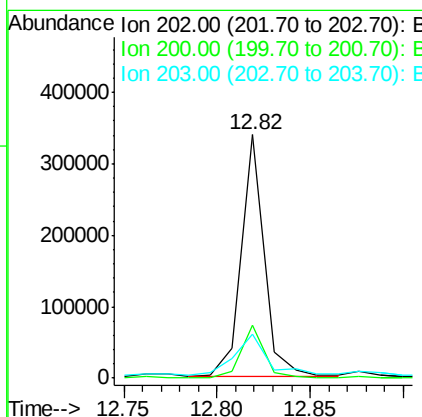
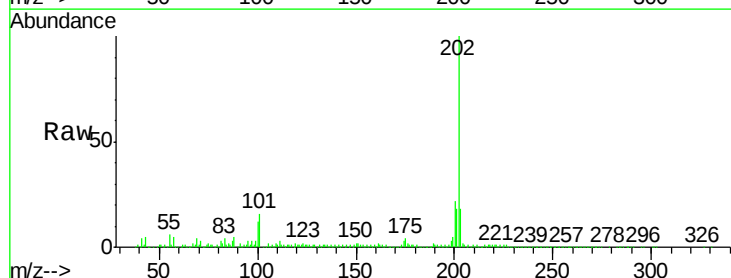
RT: 12.82 min Scan# 939

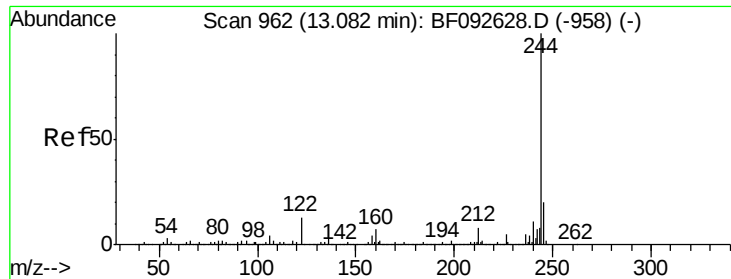
Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Tgt Ion:	202	Resp:	293684
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	18.2	14.7	22.1





#78

Terphenyl-d14

Concen: 34.81 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

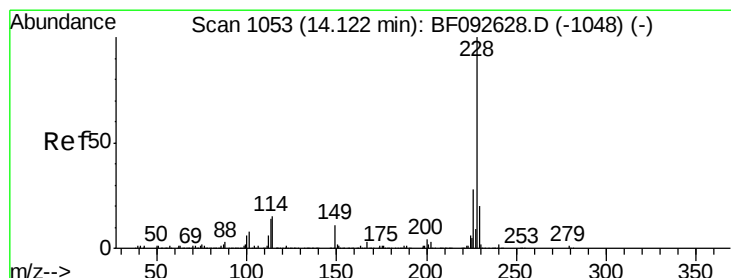
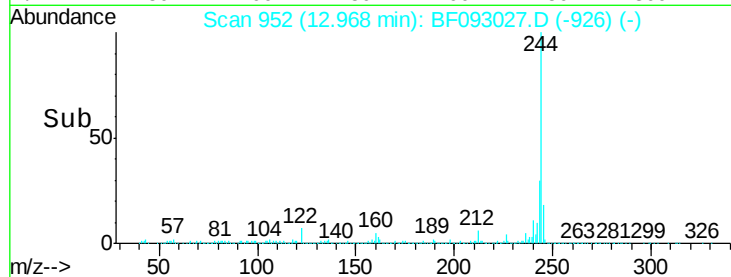
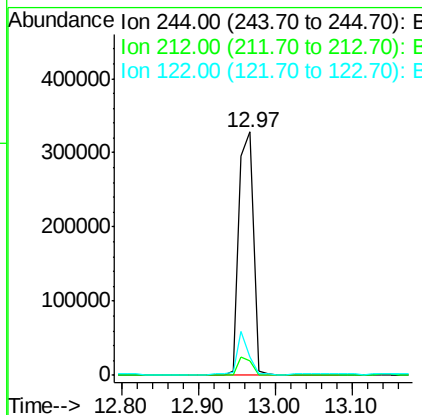
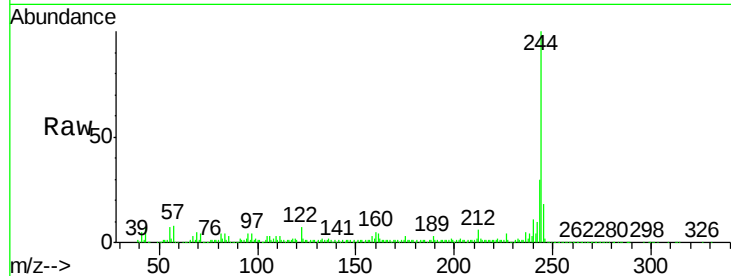
ClientSampleId :

PIT-B-COMP

Tgt Ion:	244	Resp:	436979
Ion Ratio	Lower	Upper	
244	100		
212	6.2	6.2	9.2
122	7.4	11.4	17.2#

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM



#80

Benzo(a)anthracene

Concen: 8.94 ng

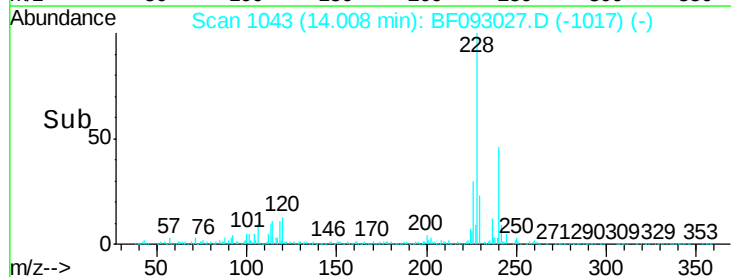
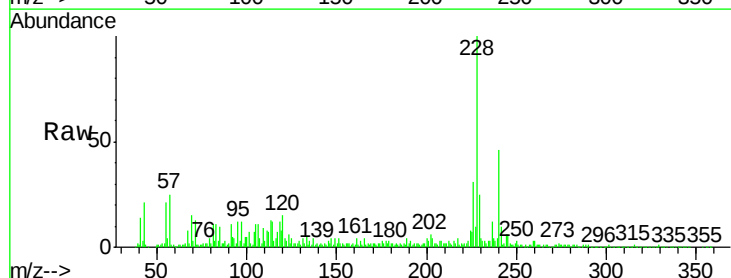
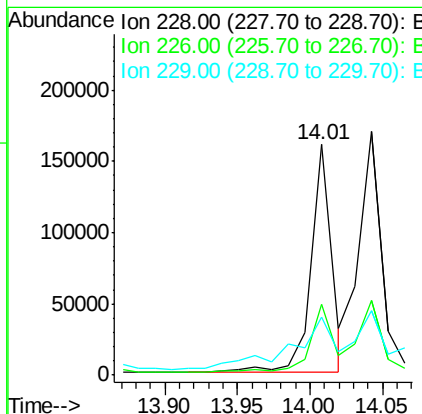
RT: 14.01 min Scan# 1043

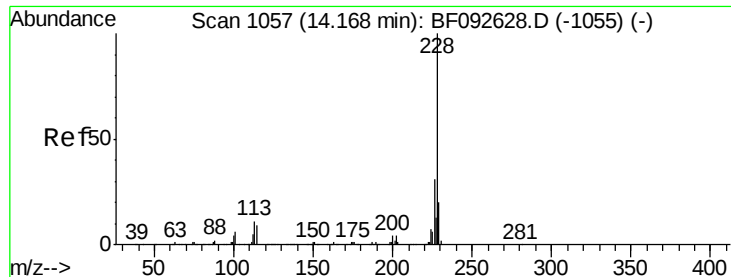
Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Tgt Ion:	228	Resp:	161345
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.4	33.6
229	25.4	16.2	24.4#





#82

Chrysene

Concen: 11.26 ng m

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

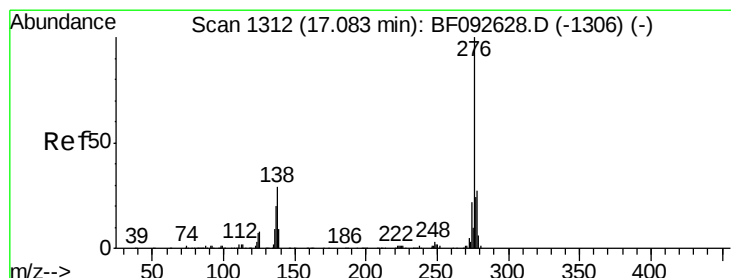
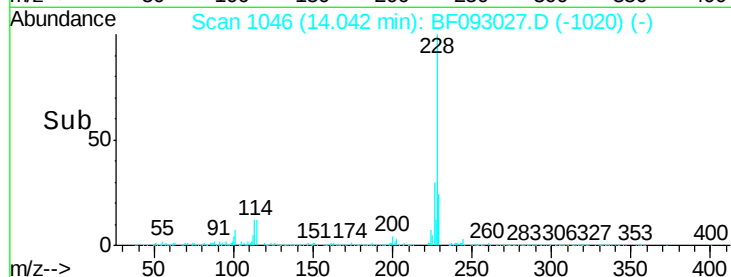
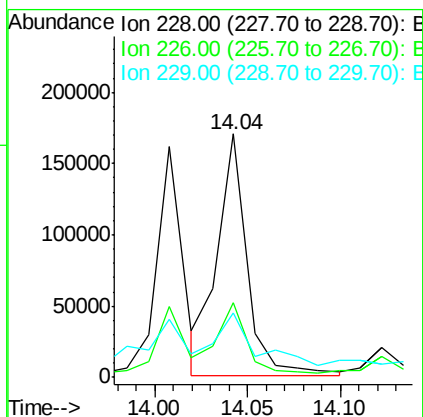
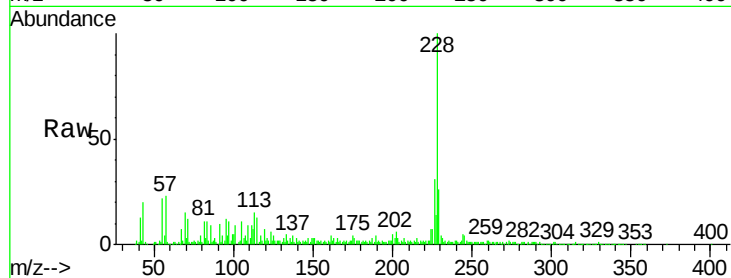
ClientSampleId :

PIT-B-COMP

Tgt Ion:	228	Resp:	190119
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.0
229	26.3	16.2	24.2

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.72 ng

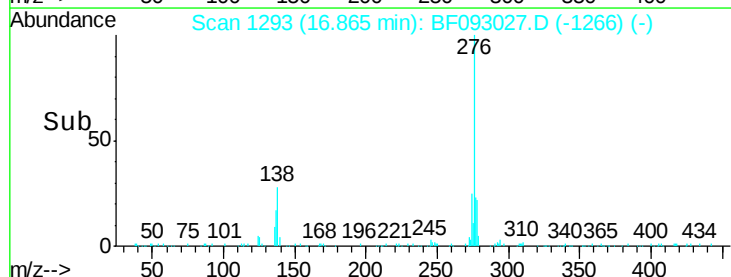
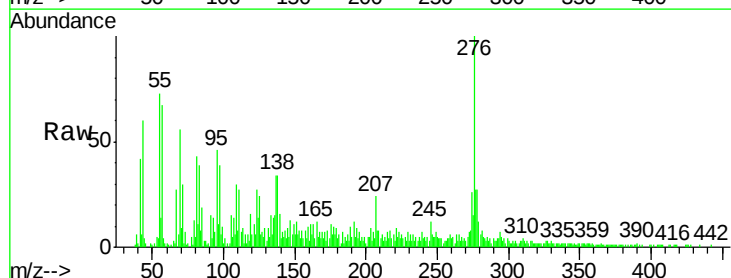
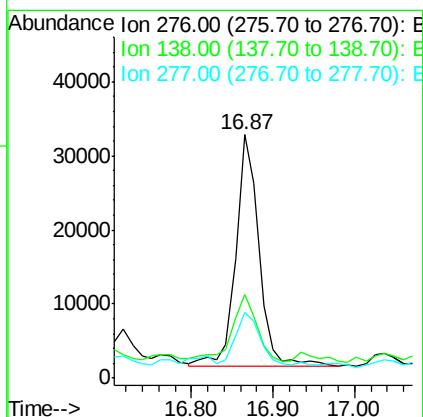
RT: 16.87 min Scan# 1293

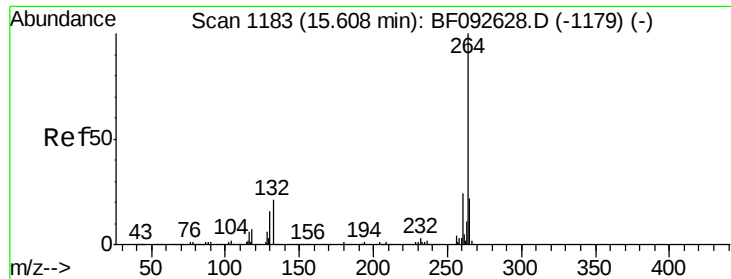
Delta R.T. 0.01 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Tgt Ion:	276	Resp:	61712
Ion Ratio	Lower	Upper	
276	100		
138	29.9	21.8	32.6
277	23.4	20.2	30.4





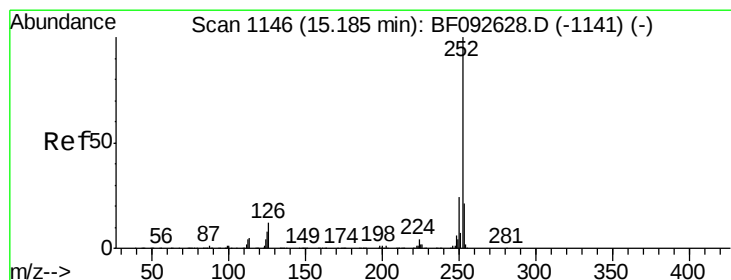
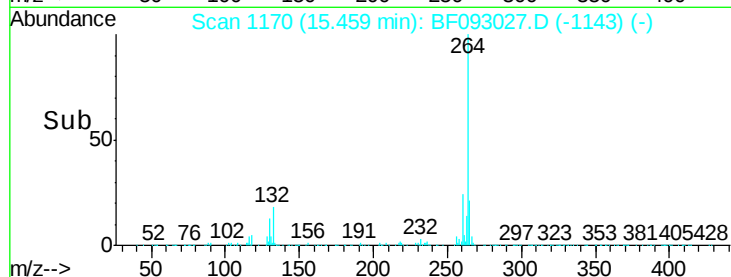
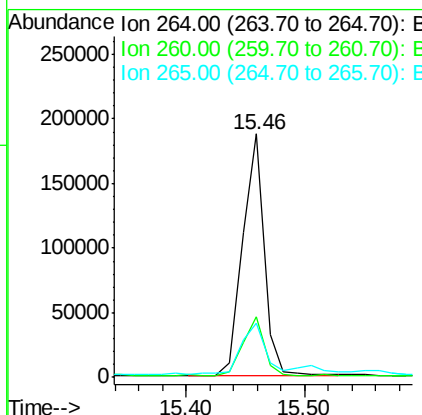
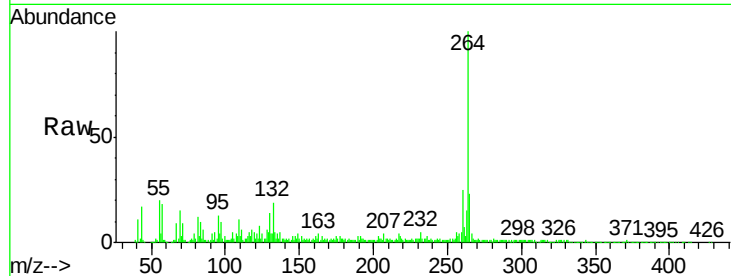
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Instrument :
BNA_F
ClientSampleId :
PIT-B-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	239381		
260	24.9	19.2	28.8	
265	22.5	17.4	26.0	

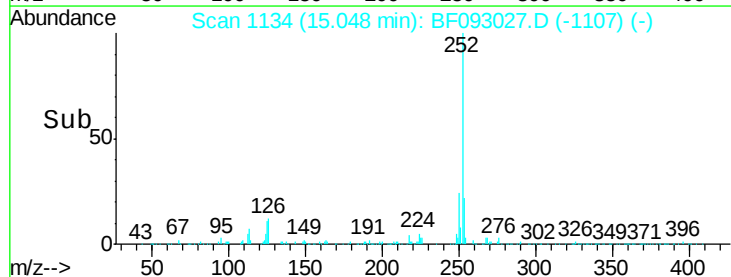
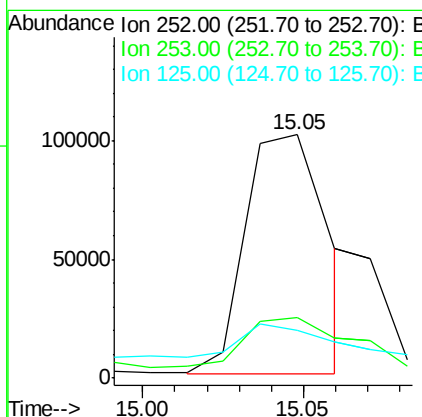
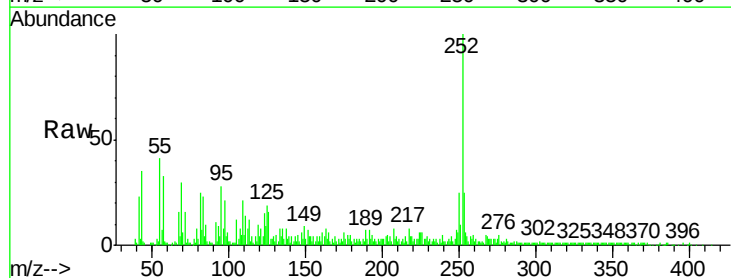
Manual Integrations
APPROVED

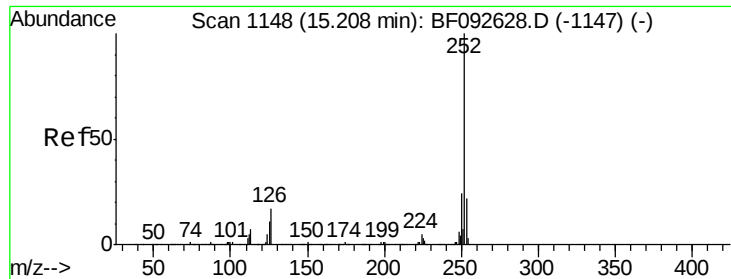
mohammad
2/20/2017 1:00:19 PM



#87
Benzo(b)fluoranthene
Concen: 11.33 ng m
RT: 15.05 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	178592		
253	24.7	18.2	27.4	
125	19.5	9.8	14.6	





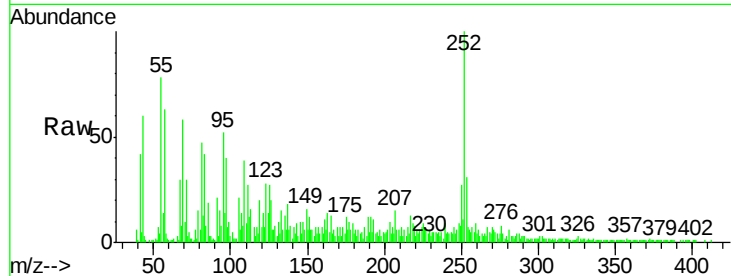
#88
Benzo(k)fluoranthene
Concen: 2.91 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

Instrument :
BNA_F
ClientSampleId :
PIT-B-COMP

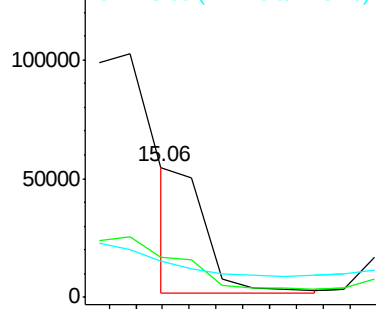
Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.5	27.7#
125	27.4	8.9	13.3#

Manual Integrations
APPROVED

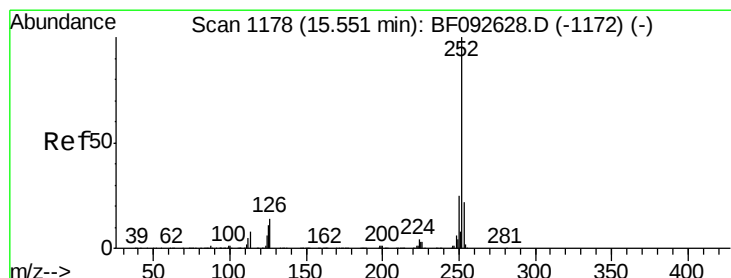
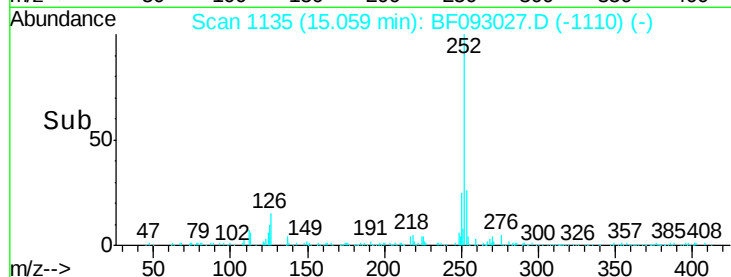
mohammad
2/20/2017 1:00:19 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



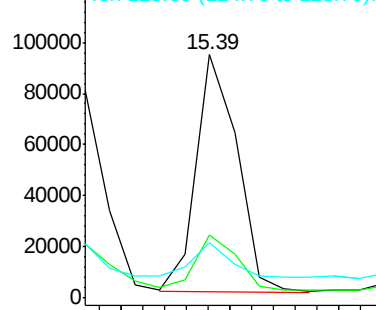
Time-->



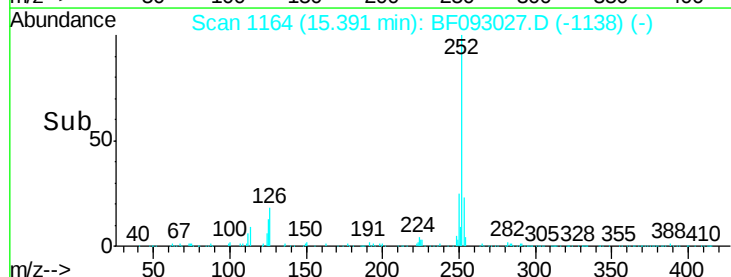
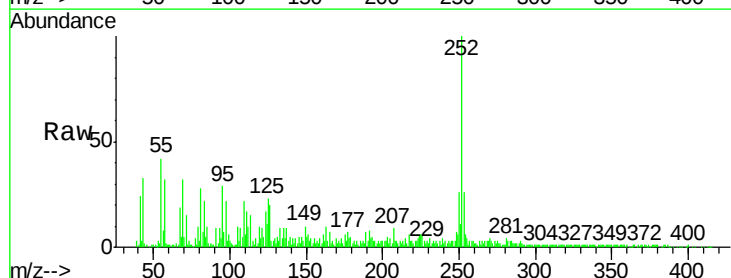
#89
Benzo(a)pyrene
Concen: 8.90 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF093027.D
Acq: 17 Feb 2017 22:53

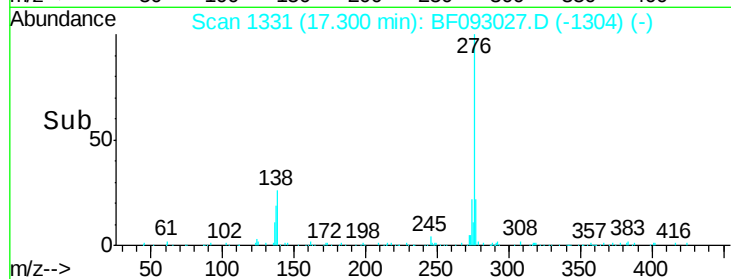
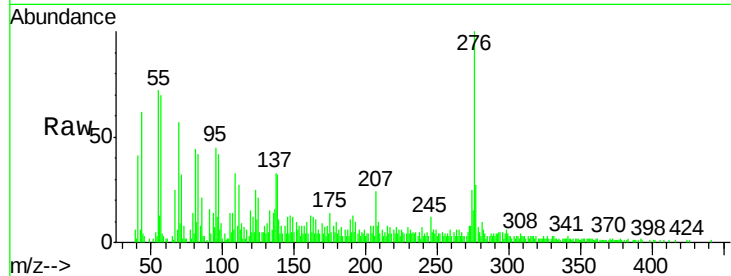
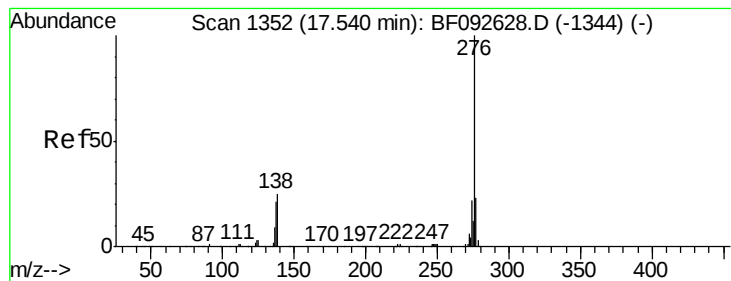
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	22.9	10.0	15.0#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#91

Benzo(g,h,i)perylene

Concen: 5.52 ng

RT: 17.30 min Scan# 1331

Delta R.T. 0.01 min

Lab File: BF093027.D

Acq: 17 Feb 2017 22:53

Instrument :

BNA_F

ClientSampleId :

PIT-B-COMP

Tgt Ion:	276	Resp:	61455
Ion Ratio	Lower	Upper	
276	100		
277	26.8	19.2	28.8
138	31.5	16.0	24.0

Manual Integrations
APPROVED

mohammad
2/20/2017 1:00:19 PM

