

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096333.D
 Acq On : 30 Jun 2017 13:19
 Operator : SJ/MA
 Sample : I3883-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G44-1.5-3

Manual Integrations
 APPROVED

mohammad
 7/3/2017 11:36:46 AM

Quant Time: Jun 30 18:11:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138638	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	568078	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	217990	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	318068	20.00	ng	0.00
75) Chrysene-d12	13.92	240	268336	20.00	ng	0.00
86) Perylene-d12	15.35	264	185286	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	334149	34.72	ng	0.00
7) Phenol-d6	6.40	99	1040886	89.33	ng	0.01
23) Nitrobenzene-d5	7.33	82	735166	89.59	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	16446	9.59	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1134725	95.33	ng	-0.02
78) Terphenyl-d14	12.87	244	773676	71.94	ng	0.00
Target Compounds						
10) Phenol	6.41	94	26355	2.06	ng	Qvalue 99
32) Benzoic acid	7.75	122	13305	10.61	ng	89
49) Dimethylphthalate	9.52	163	216364	13.87	ng	99
70) Phenanthrene	11.31	178	205877	6.31	ng	99
71) Anthracene	11.36	178	63671	3.58	ng	98
74) Fluoranthene	12.49	202	240131	13.59	ng	95
77) Pyrene	12.72	202	214561	9.73	ng	98
80) Benzo(a)anthracene	13.91	228	87016	5.32	ng	95
82) Chrysene	13.94	228	90940m	5.38	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	26495	2.41	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.74	276	29753	2.12	ng	# 94
87) Benzo(b)fluoranthene	14.94	252	74992m	6.16	ng	
88) Benzo(k)fluoranthene	14.96	252	28096m	2.53	ng	
89) Benzo(a)pyrene	15.29	252	49147	4.57	ng	# 62
91) Benzo(a,h,i)perylene	17.17	276	29253	3.34	ng	# 88

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

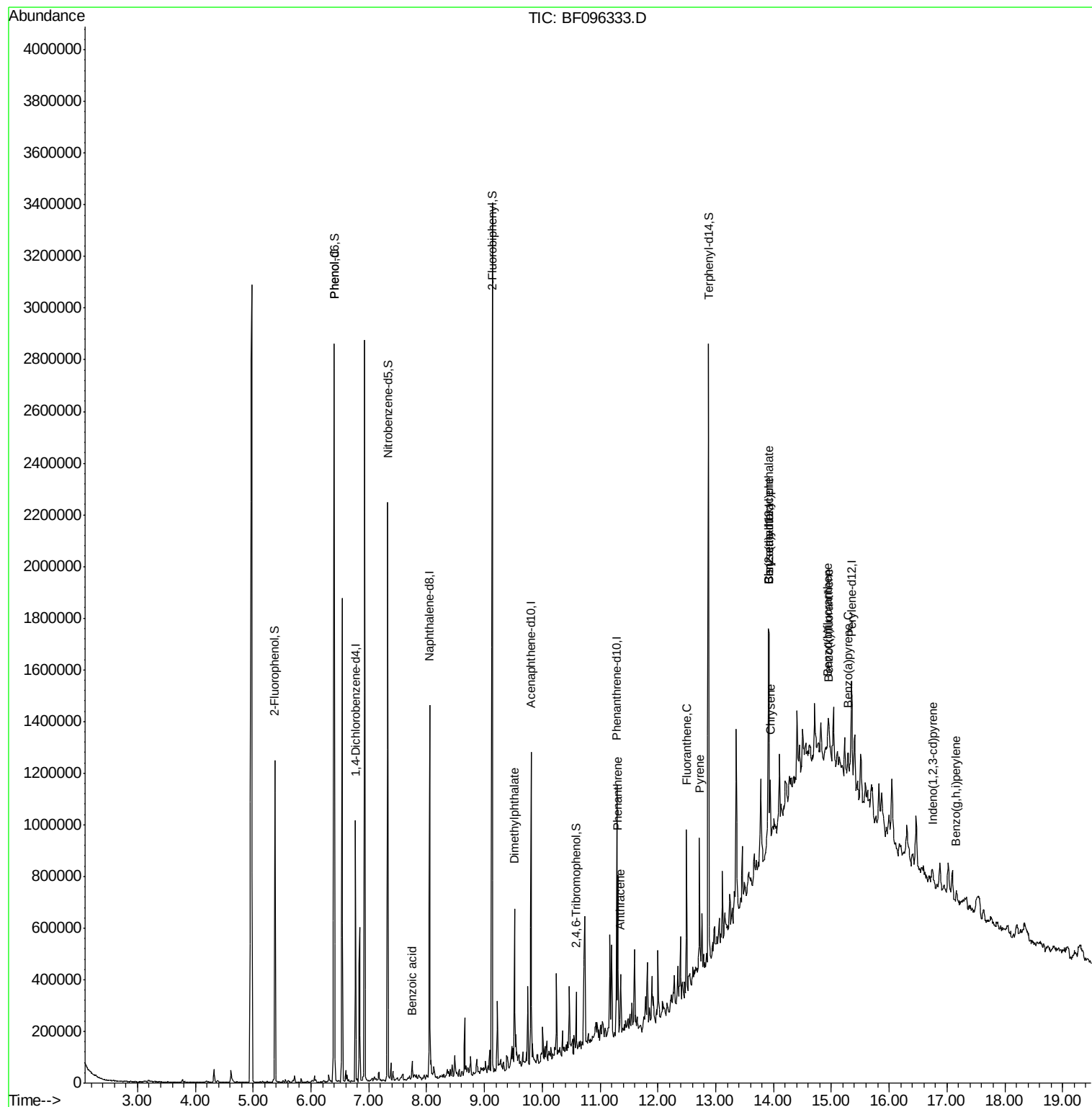
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096333.D
Acq On : 30 Jun 2017 13:19
Operator : SJ/MA
Sample : I3883-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

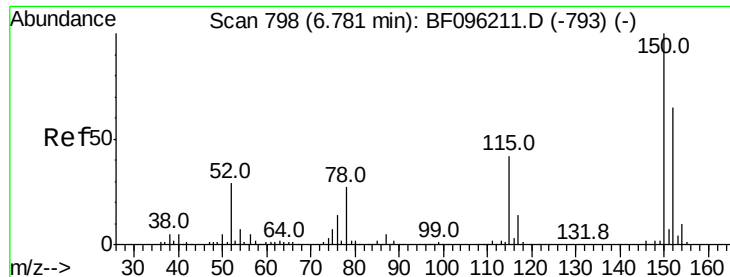
Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM

Quant Time: Jun 30 18:11:16 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 15:41:49 2017
Response via : Initial Calibration





#1

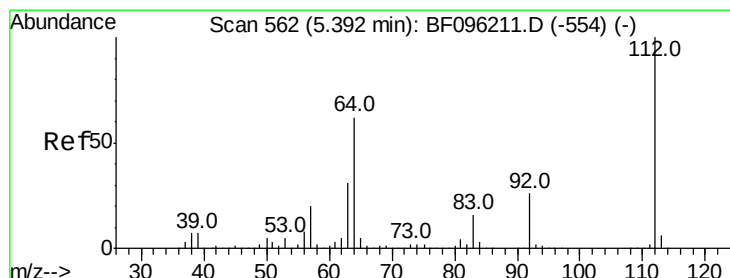
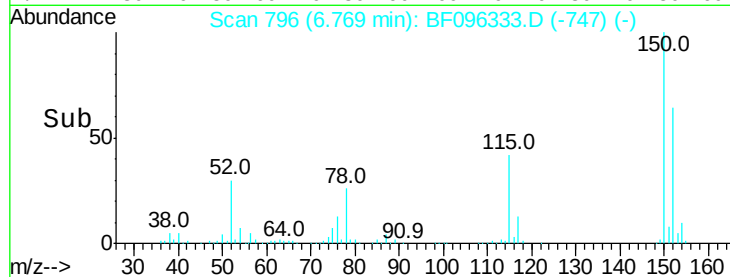
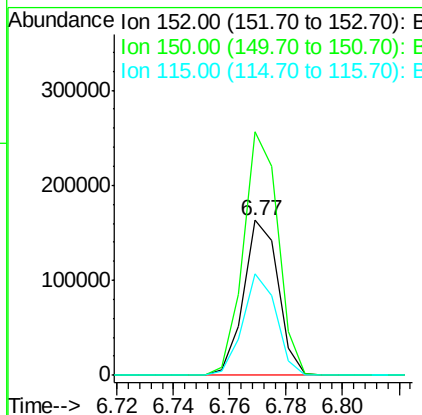
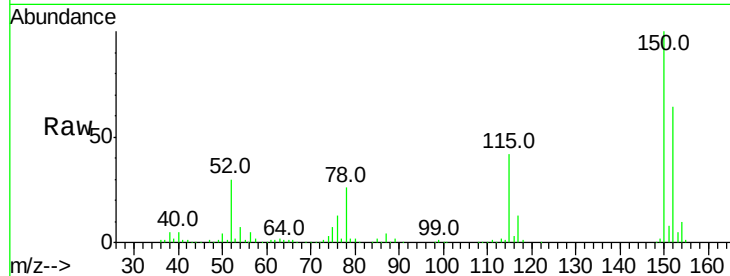
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	65.8	52.2	78.2

Manual Integrations
APPROVED

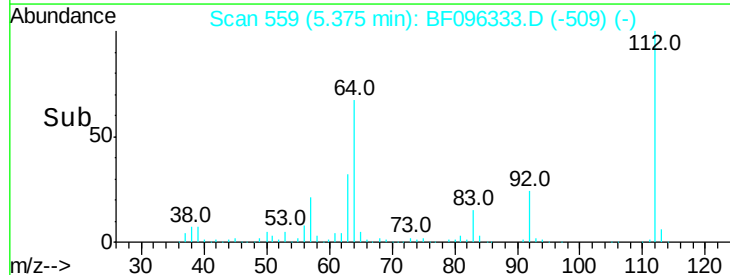
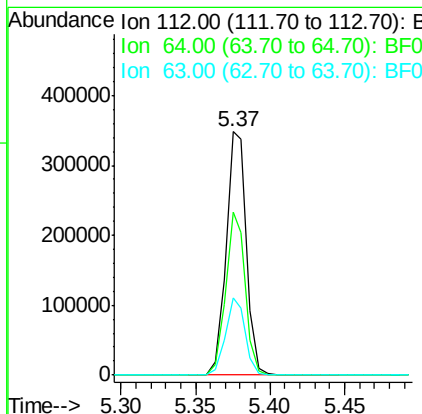
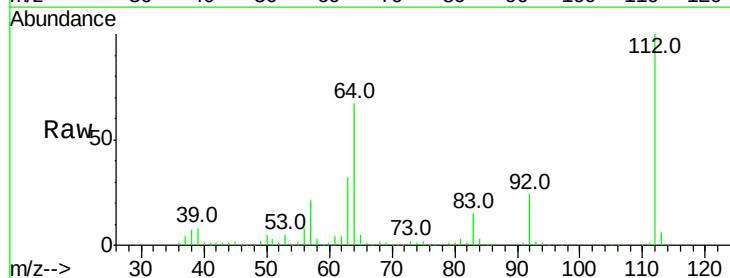
mohammad
7/3/2017 11:36:46 AM

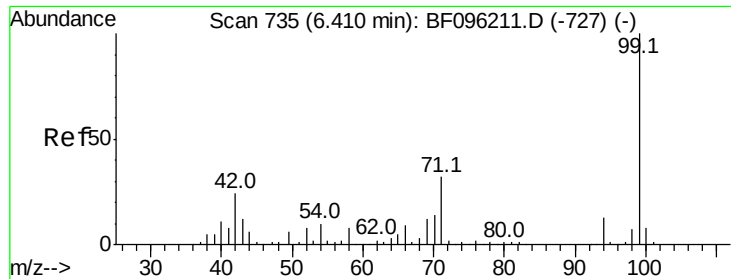


#5

2-Fluorophenol
Concen: 34.72 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.0	69.0
63	31.7	23.4	35.0





#7

Phenol-d6

Concen: 89.33 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

ClientSampleId :

G44-1.5-3

Tot Ion: 99 Resp: 1040886

Ion Ratio Lower Upper

99 100

42 20.3 13.5 20.3#

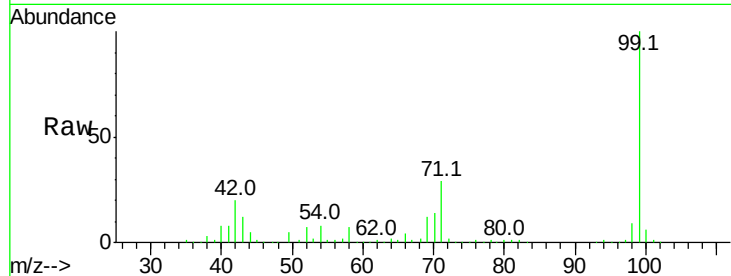
71 29.0 24.5 36.7

Manual Integrations

APPROVED

mohammad

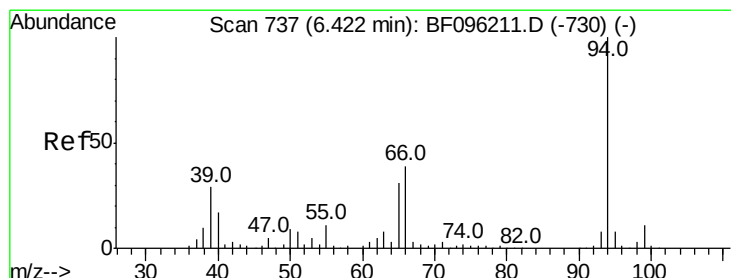
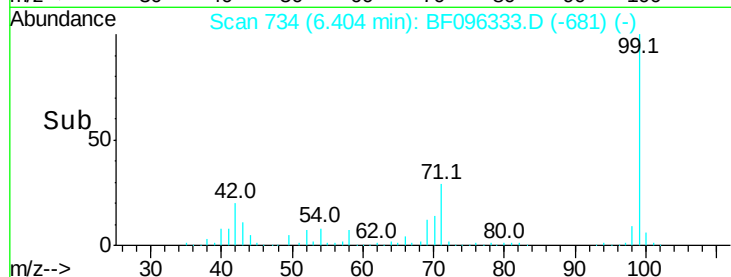
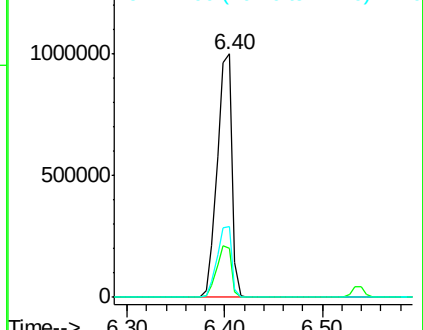
7/3/2017 11:36:46 AM



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.06 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

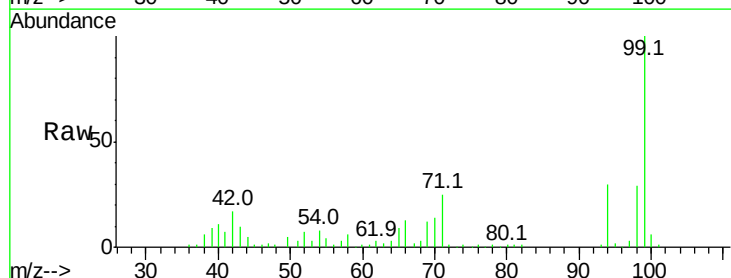
Tgt Ion: 94 Resp: 26355

Ion Ratio Lower Upper

94 100

65 29.7 9.9 49.9

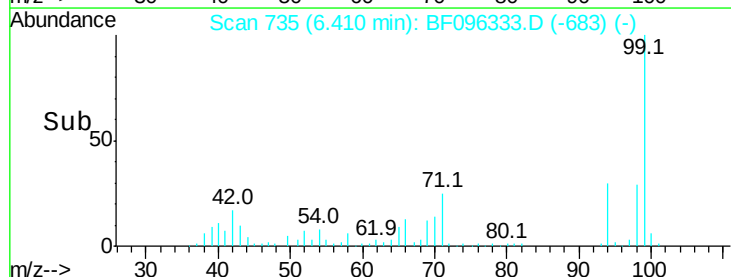
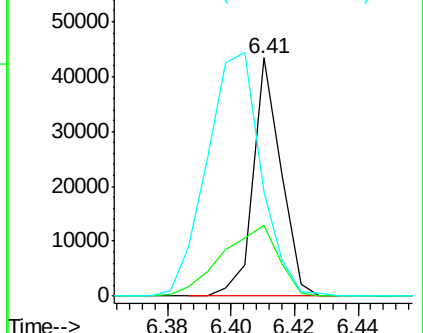
66 43.9 23.1 63.1

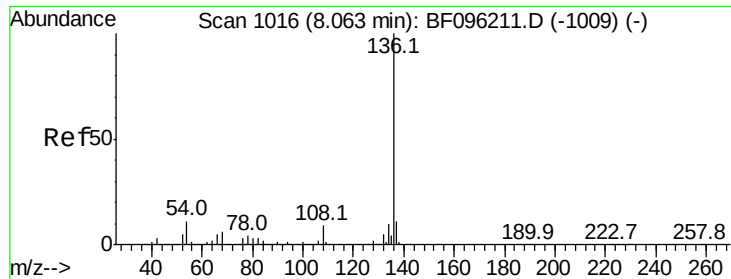


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





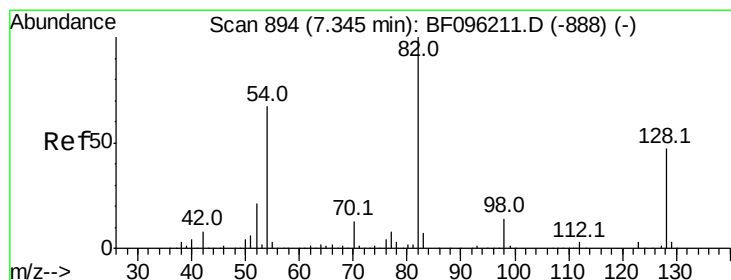
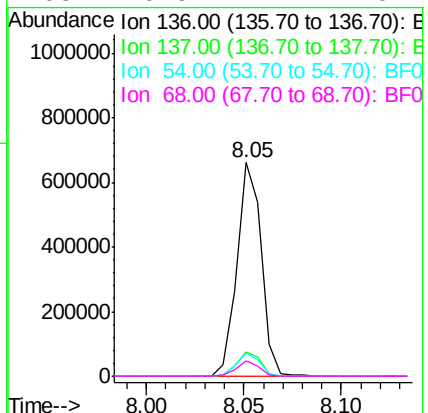
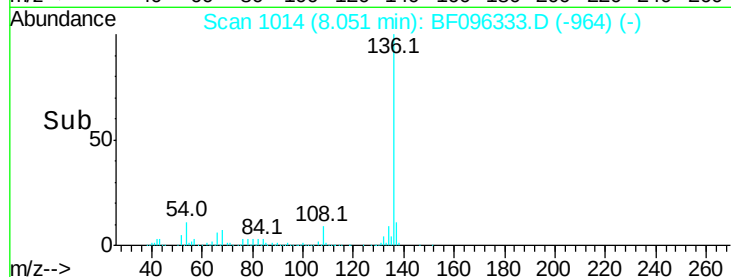
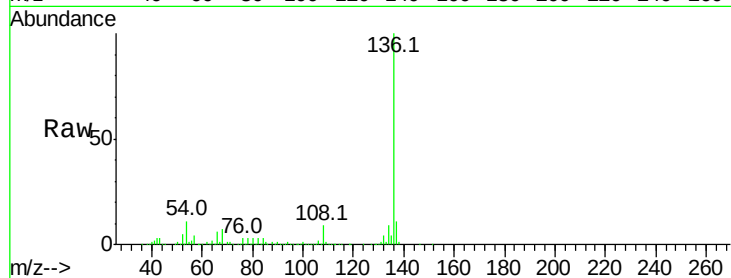
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	11.1	4.9	7.3#	
68	6.9	4.1	6.1#	

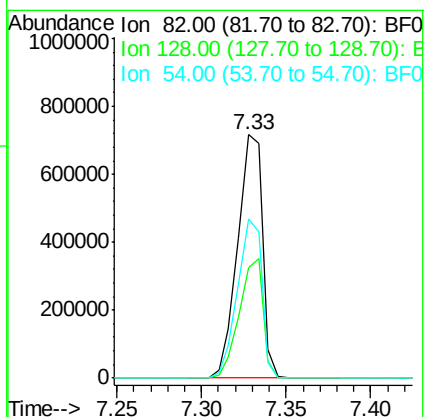
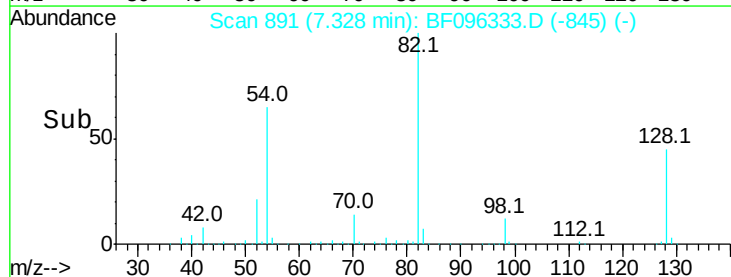
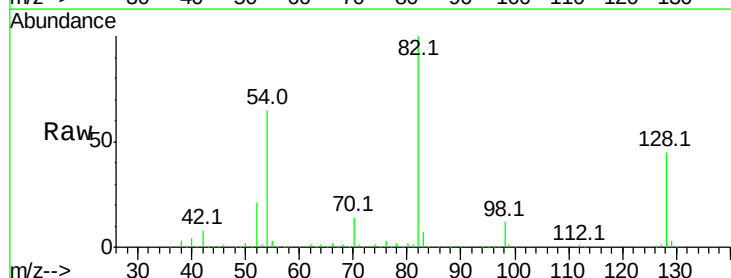
Manual Integrations
APPROVED

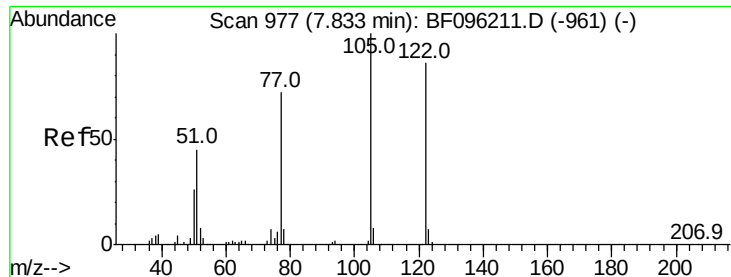
mohammad
7/3/2017 11:36:46 AM



#23
Nitrobenzene-d5
Concen: 89.59 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.03 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	34.0	51.0	
54	65.3	42.2	63.2#	





#32

Benzoic acid

Concen: 10.61 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.13 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

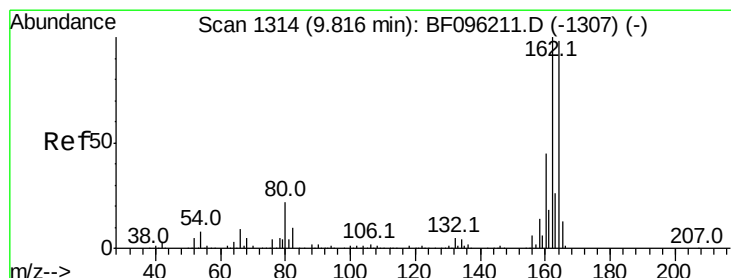
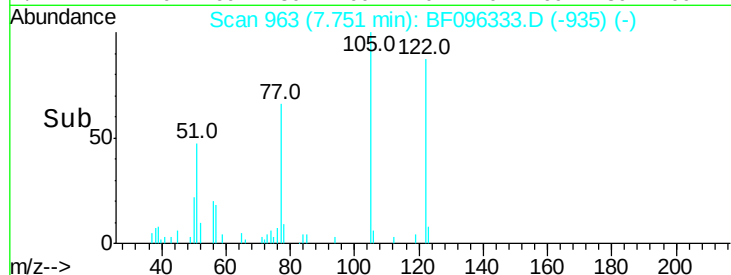
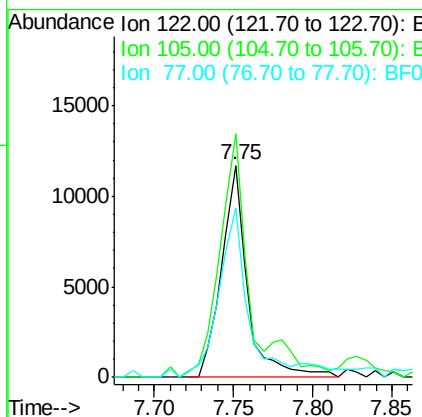
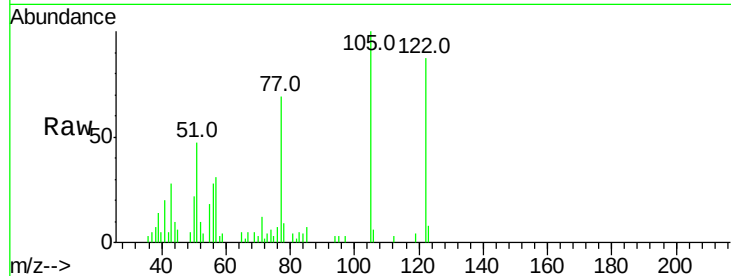
ClientSampleId :

G44-1.5-3

Tot Ion:	122	Resp:	13305
Ion Ratio	Lower	Upper	
122	100		
105	114.7	103.3	143.3
77	79.5	73.7	113.7

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#38

Acenaphthene-d10

Concen: 20.00 ng

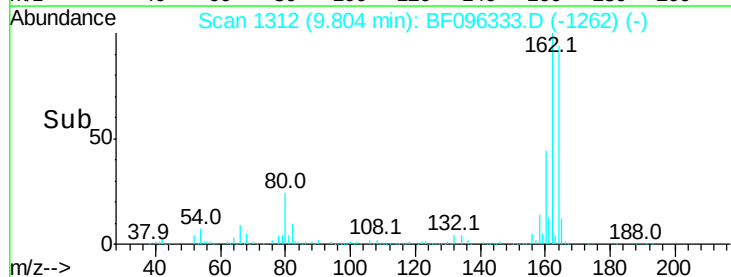
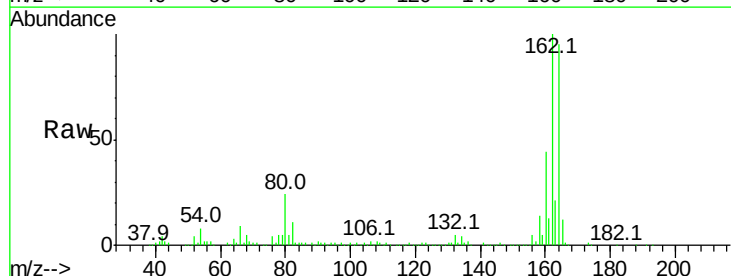
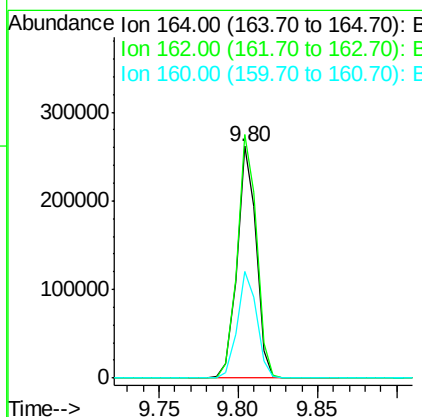
RT: 9.80 min Scan# 1312

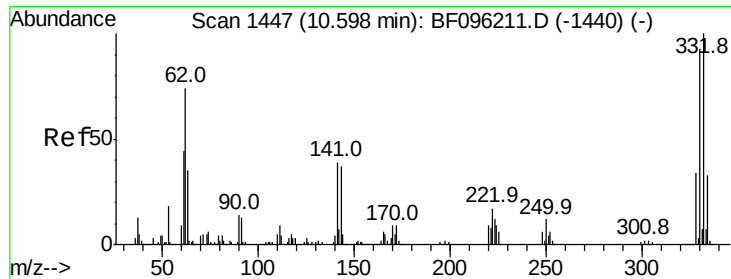
Delta R.T. -0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion:	164	Resp:	217990
Ion Ratio	Lower	Upper	
164	100		
162	105.0	82.6	123.8
160	46.1	36.2	54.2





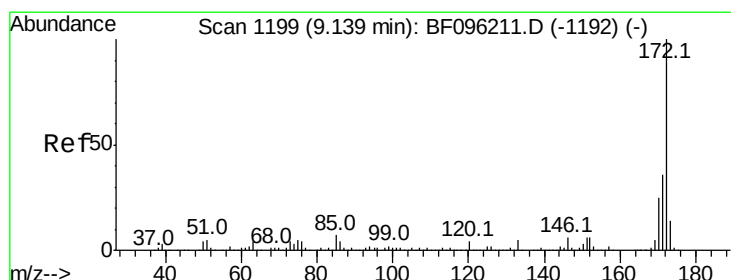
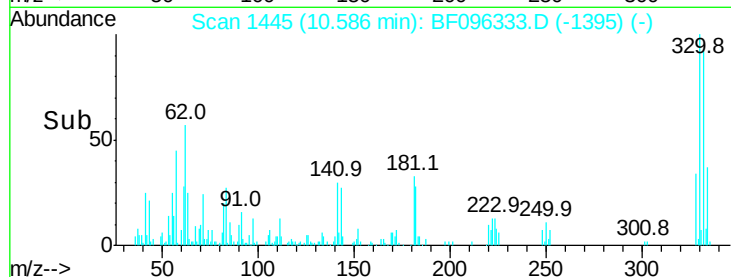
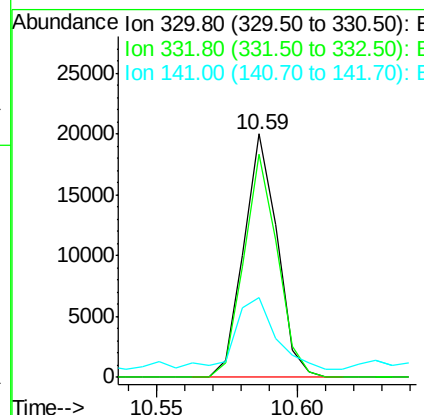
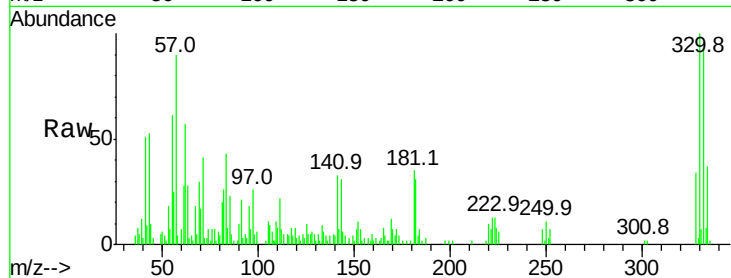
#41
 2,4,6-Tribromophenol
 Concen: 9.59 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Instrument :
 BNA_F
 ClientSampled :
 G44-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.2	76.6	115.0	
141	33.4	31.4	47.2	

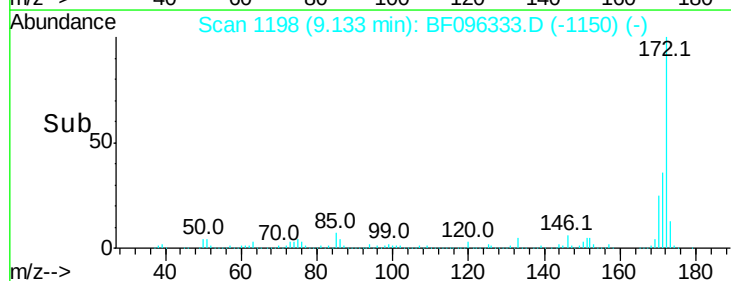
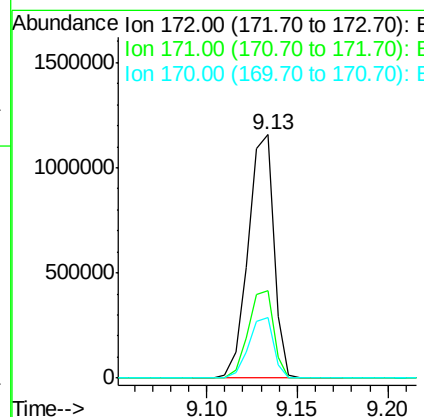
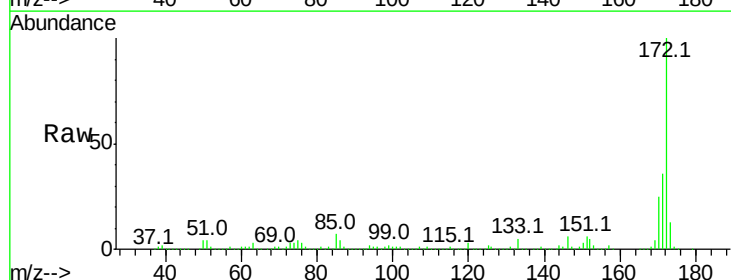
Manual Integrations
 APPROVED

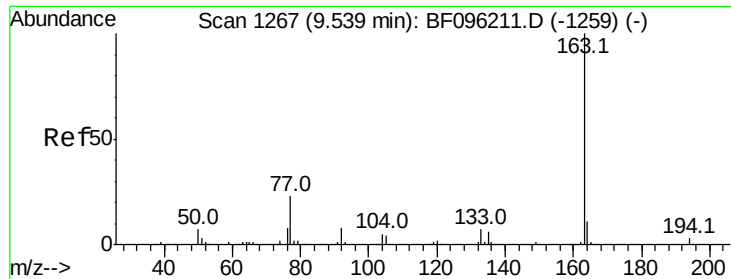
mohammad
 7/3/2017 11:36:46 AM



#44
 2-Fluorobiphenyl
 Concen: 95.33 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096333.D
 Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.7	19.8	29.8	





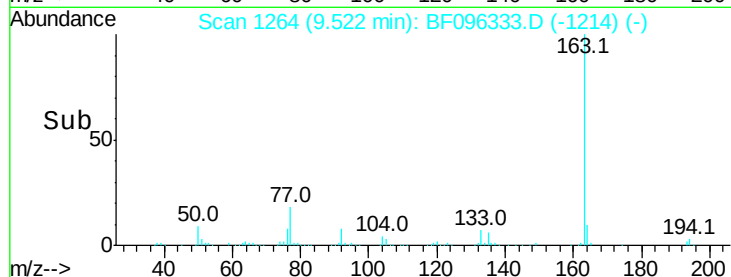
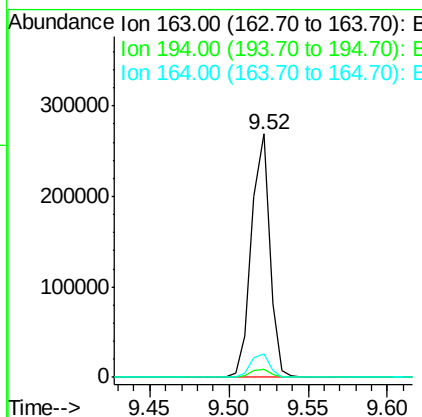
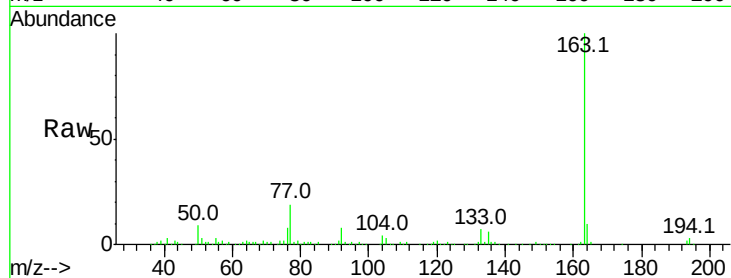
#49
Dimethylphthalate
Concen: 13.87 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	216364		
194	3.3	2.6	4.0	
164	9.8	8.4	12.6	

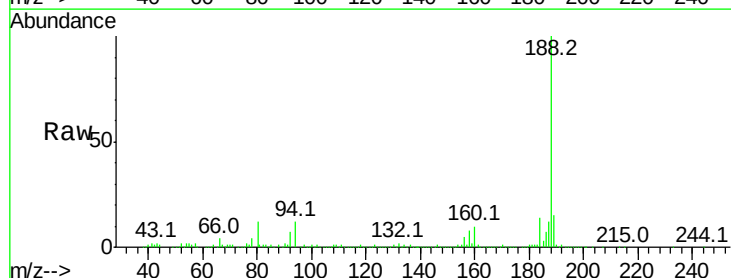
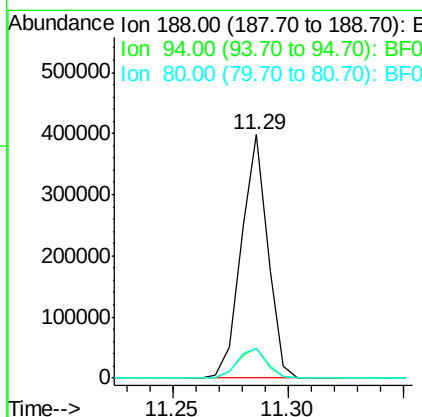
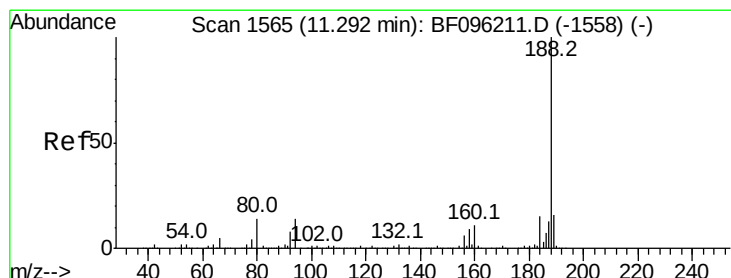
Manual Integrations
APPROVED

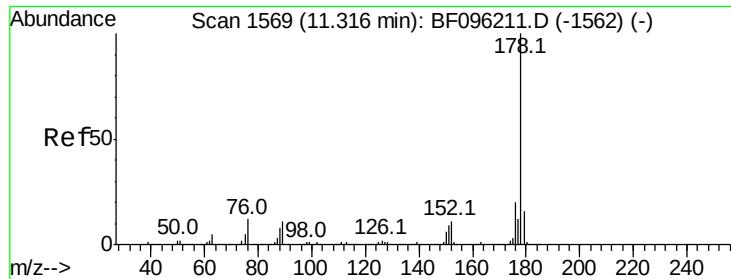
mohammad
7/3/2017 11:36:46 AM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	318068		
94	12.3	9.4	14.2	
80	12.5	10.2	15.2	





#70

Phenanthrene

Concen: 6.31 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.02 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

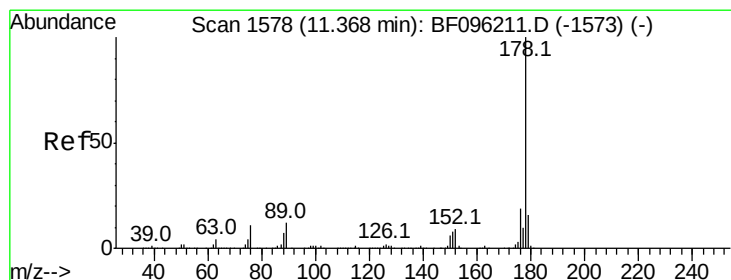
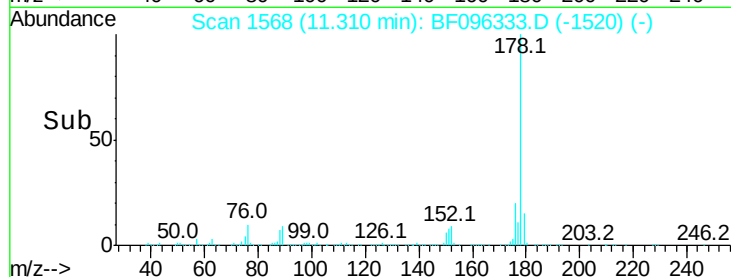
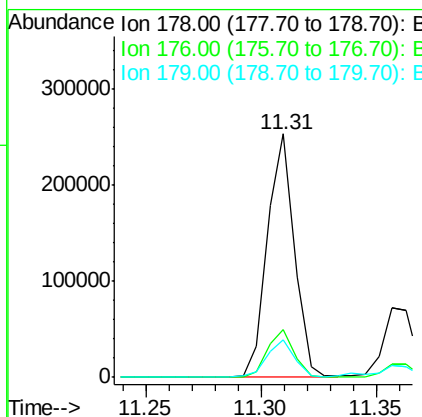
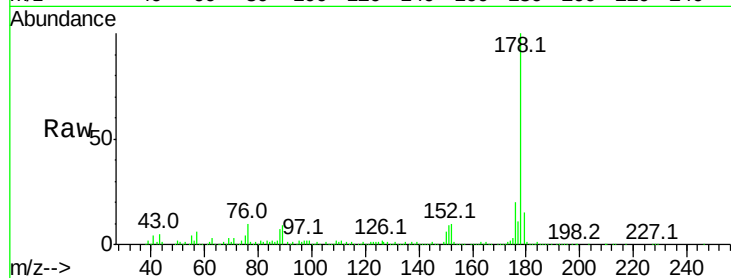
ClientSampleId :

G44-1.5-3

Tot Ion:	178	Resp:	205877
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.4	12.6	19.0

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#71

Anthracene

Concen: 3.58 ng

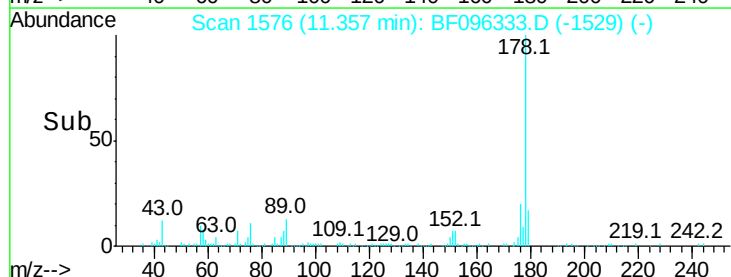
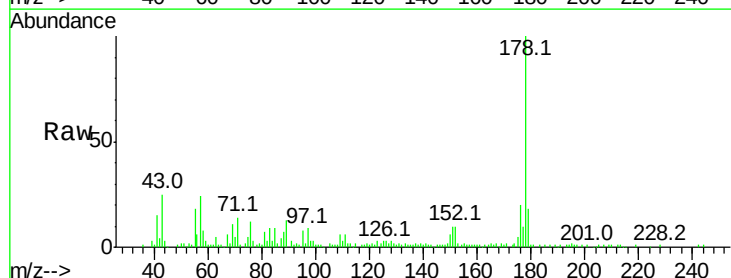
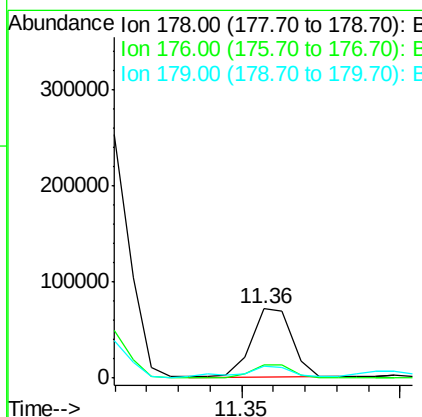
RT: 11.36 min Scan# 1576

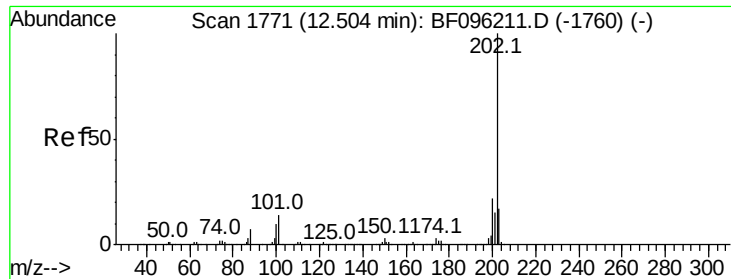
Delta R.T. -0.02 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion:	178	Resp:	63671
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	17.6	12.7	19.1





#74

Fluoranthene

Concen: 13.59 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

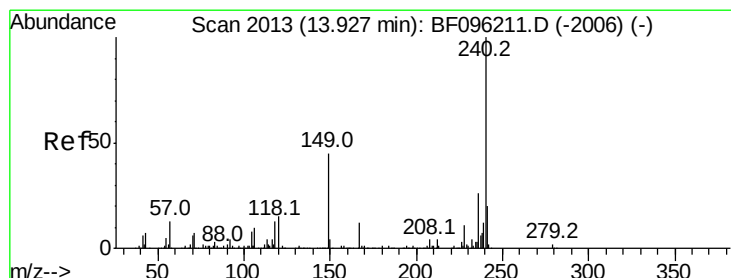
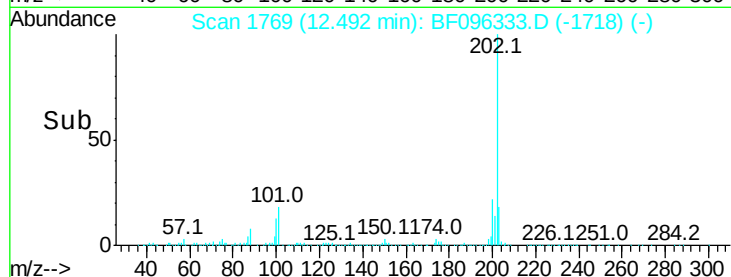
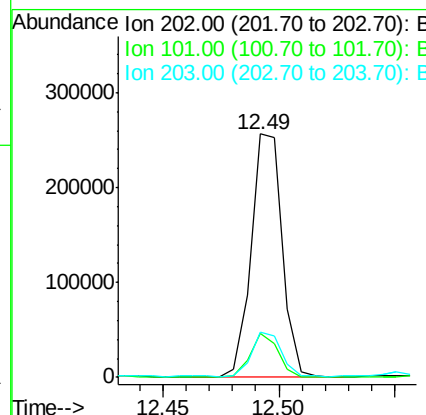
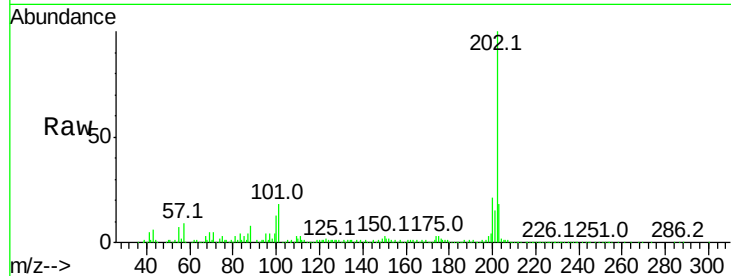
ClientSampleId :

G44-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	18.0	0.0	33.2
203	18.3	0.0	38.1

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#75

Chrysene-d12

Concen: 20.00 ng

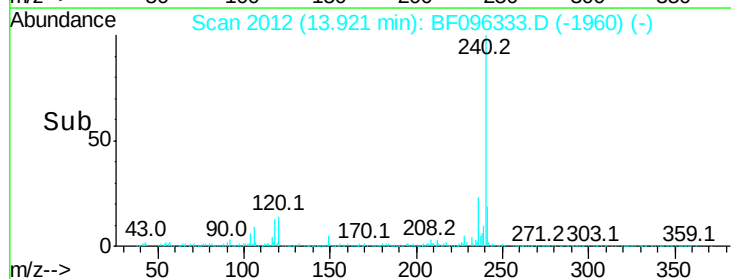
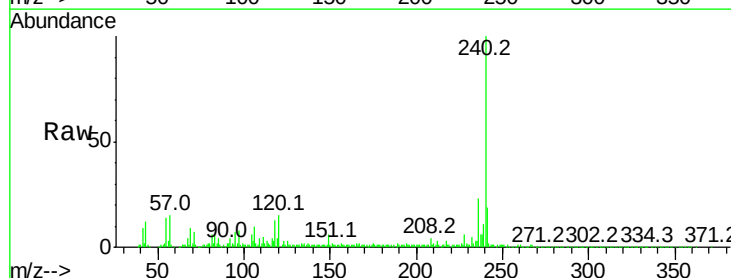
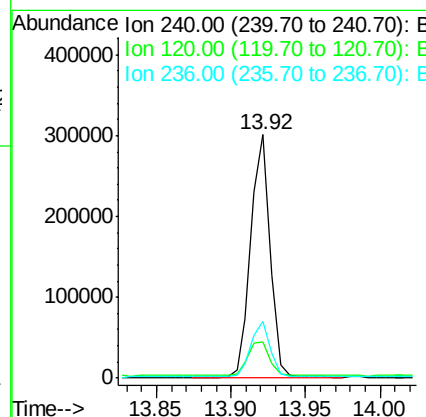
RT: 13.92 min Scan# 2012

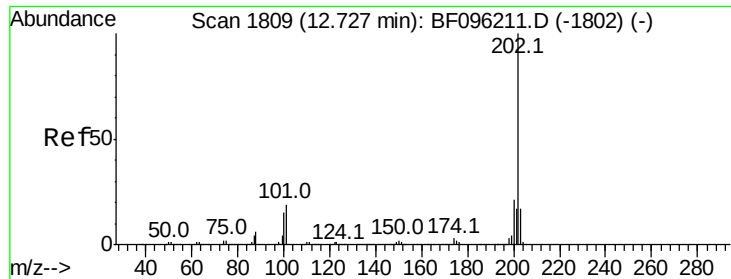
Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	23.5	20.5	30.7





#77

Pvrene

Concen: 9.73 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

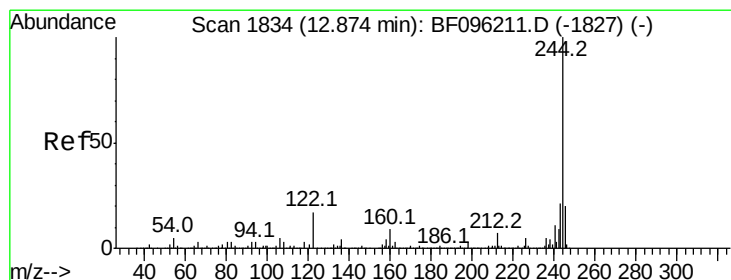
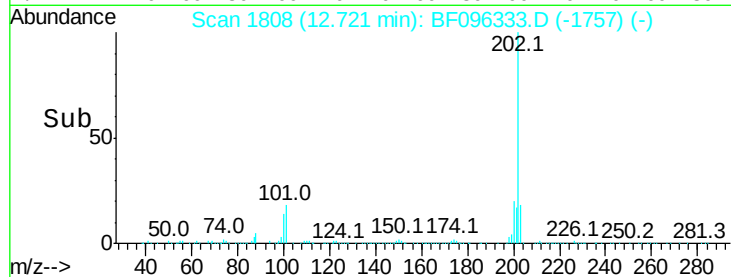
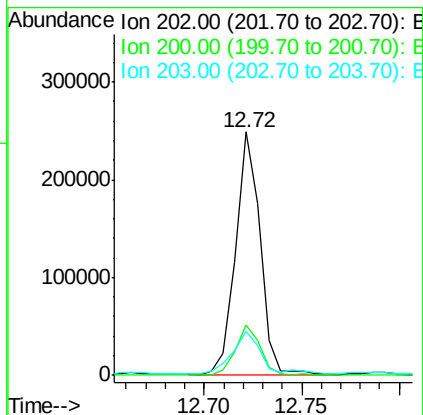
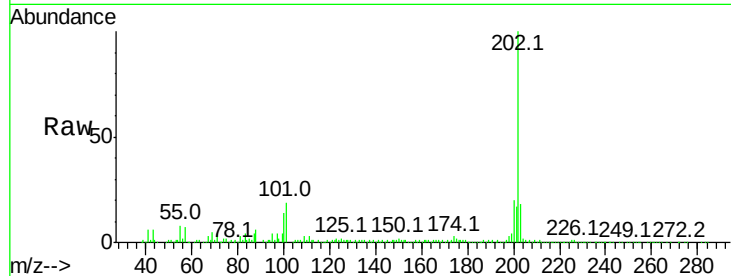
ClientSampleId :

G44-1.5-3

Tot Ion:	202	Resp:	214561
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.6	26.4
203	18.3	14.4	21.6

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#78

Terphenyl-d14

Concen: 71.94 ng

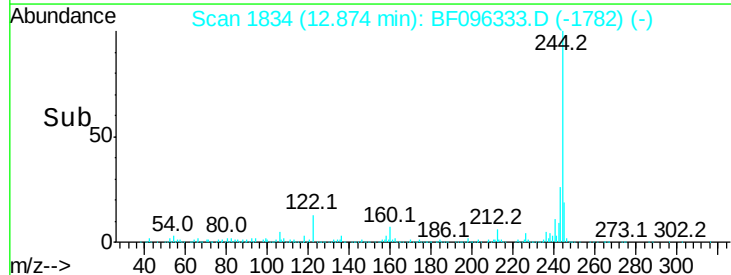
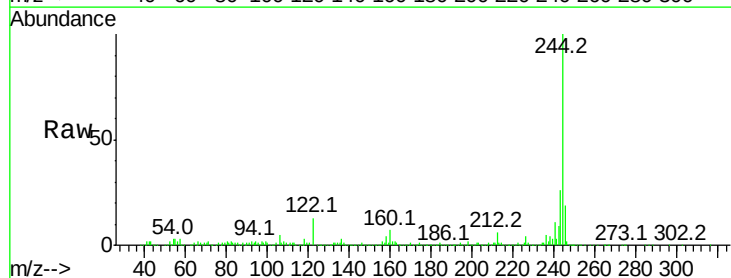
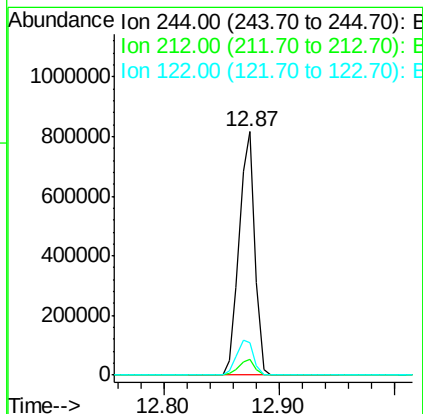
RT: 12.87 min Scan# 1834

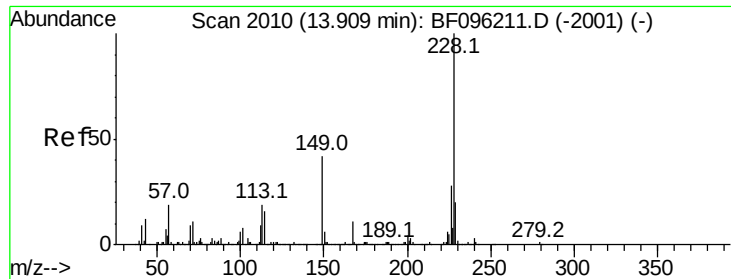
Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion:	244	Resp:	773676
Ion Ratio		Lower	Upper
244	100		
212	6.2	6.0	9.0
122	13.4	10.3	15.5





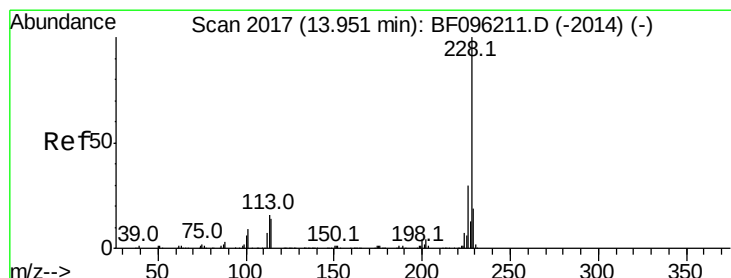
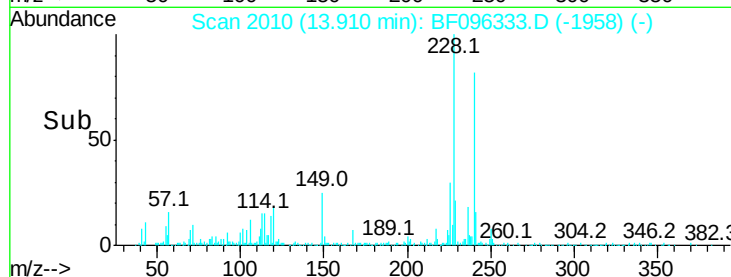
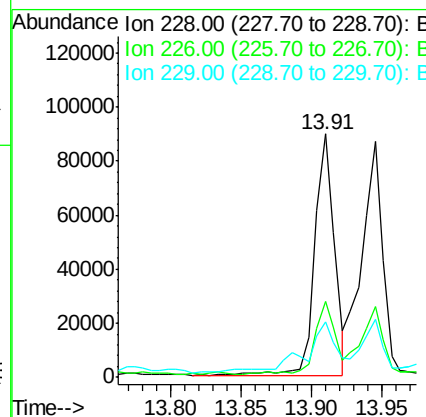
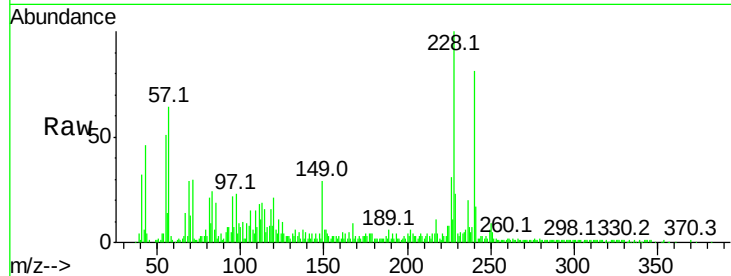
#80
Benzo(a)anthracene
Concen: 5.32 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Resp	Lower	Upper
228	100	87016		
226	30.9		22.6	33.8
229	22.5		16.3	24.5

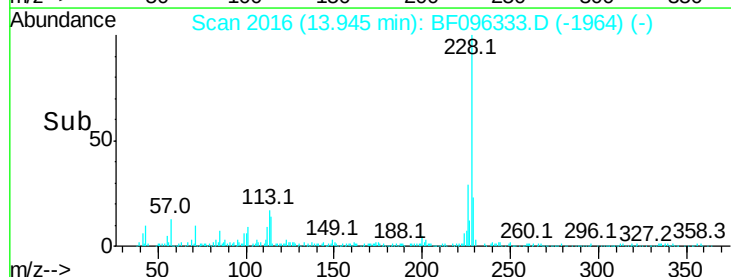
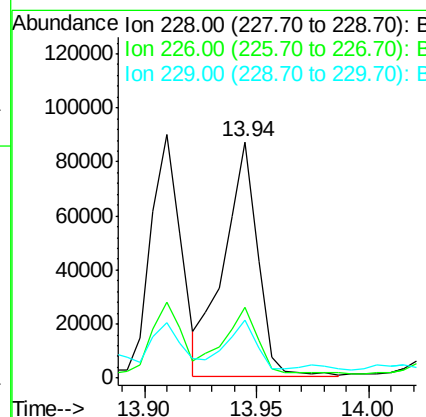
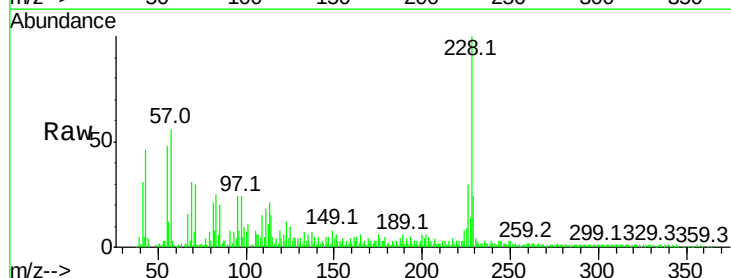
Manual Integrations
APPROVED

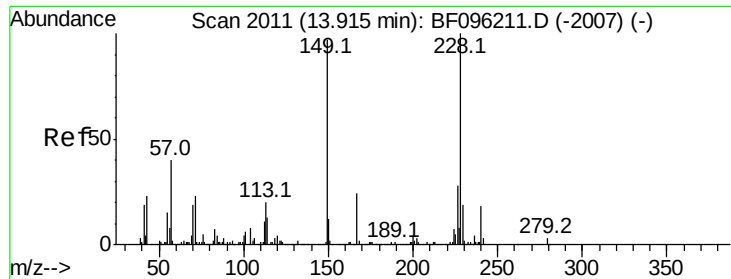
mohammad
7/3/2017 11:36:46 AM



#82
Chrysene
Concen: 5.38 ng m
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	90940		
226	30.2		24.9	37.3
229	24.4		15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.41 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

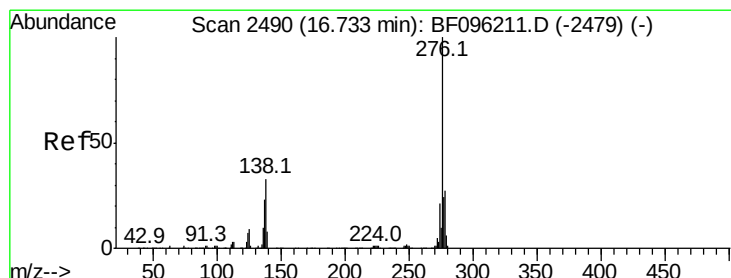
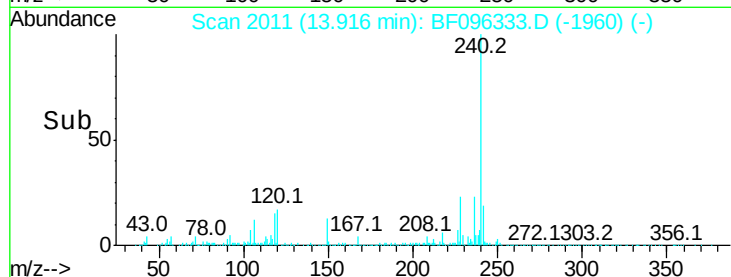
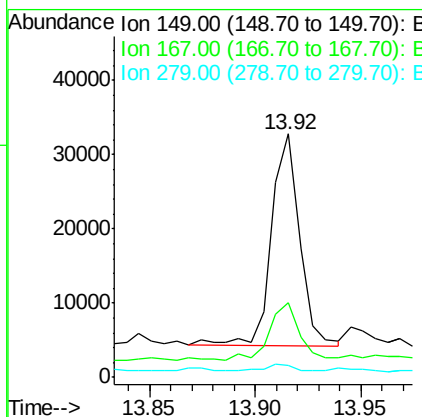
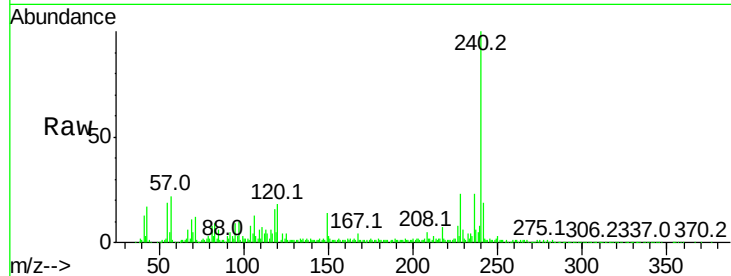
ClientSampleId :

G44-1.5-3

Tot Ion:	149	Resp:	26495
Ion Ratio	Lower	Upper	
149	100		
167	30.6	21.0	31.4
279	4.8	1.9	2.9#

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.12 ng

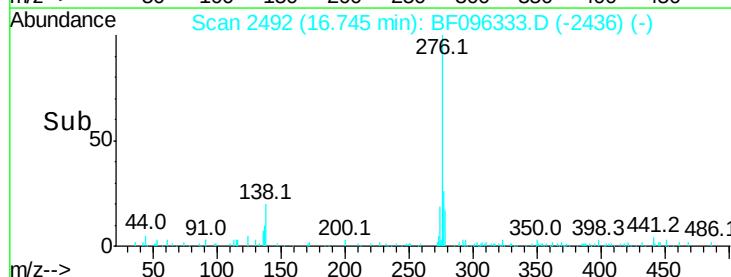
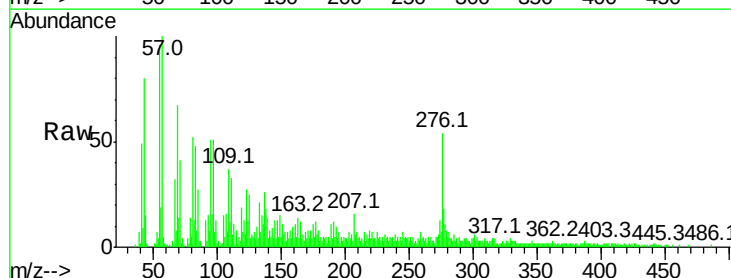
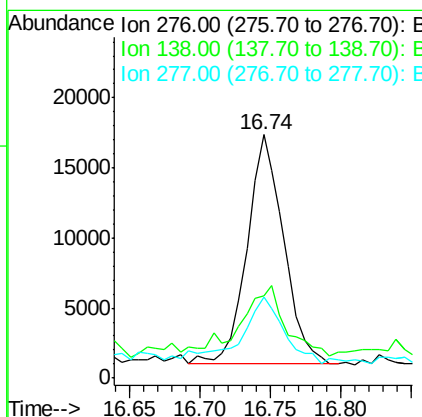
RT: 16.74 min Scan# 2492

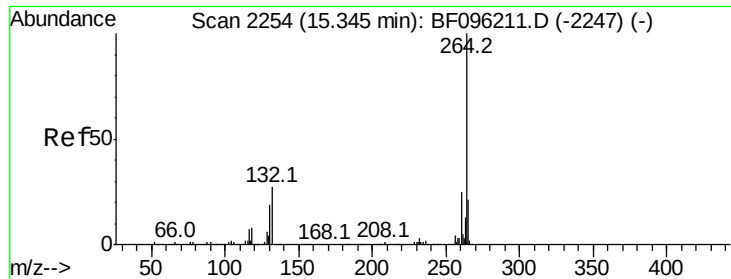
Delta R.T. 0.03 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion:	276	Resp:	29753
Ion Ratio	Lower	Upper	
276	100		
138	36.4	27.8	41.6
277	30.6	20.2	30.4#





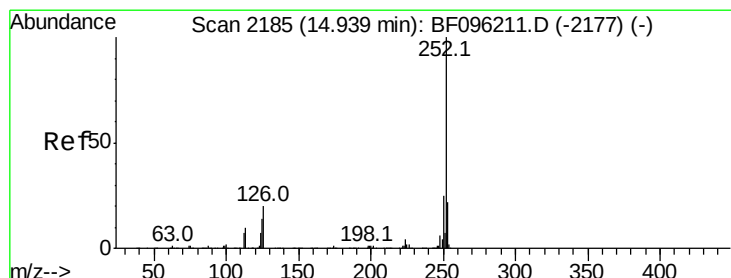
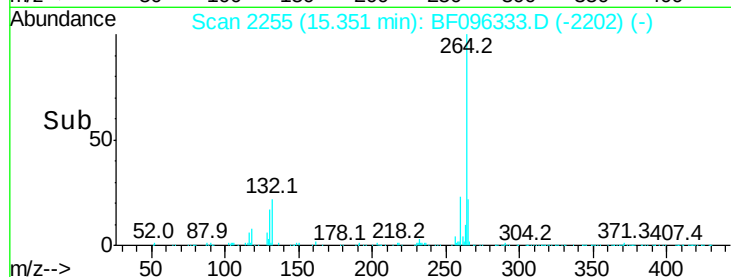
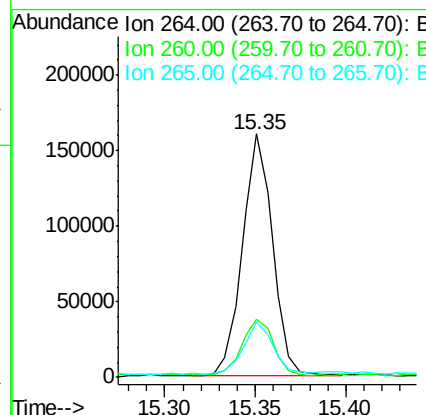
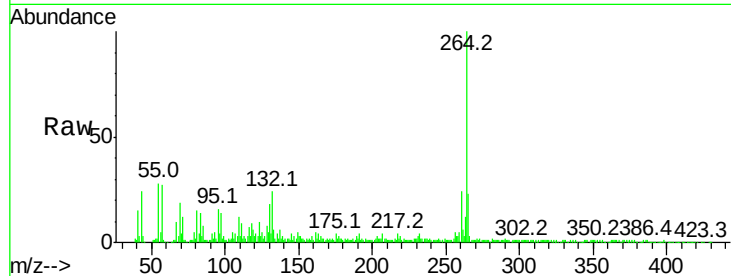
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.8	17.2	25.8

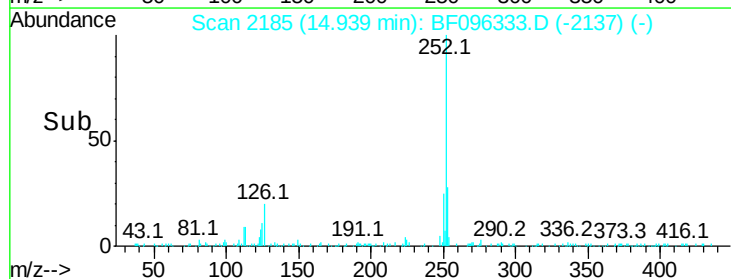
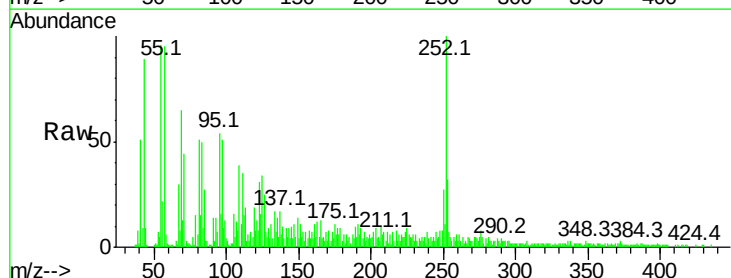
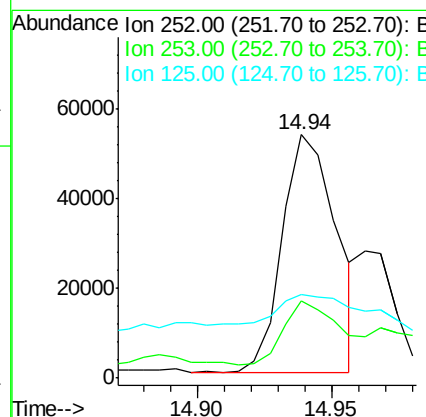
Manual Integrations
APPROVED

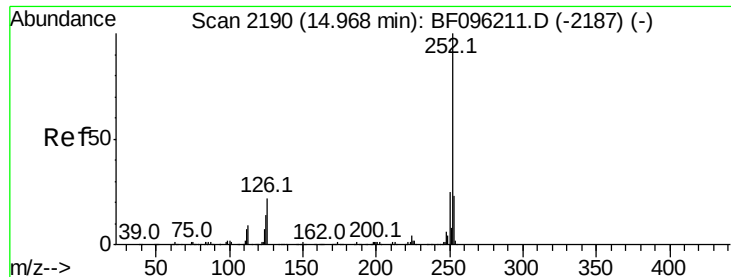
mohammad
7/3/2017 11:36:46 AM



#87
Benzo(b)fluoranthene
Concen: 6.16 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	18.1	27.1#
125	34.3	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.53 ng m

RT: 14.96 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Instrument :

BNA_F

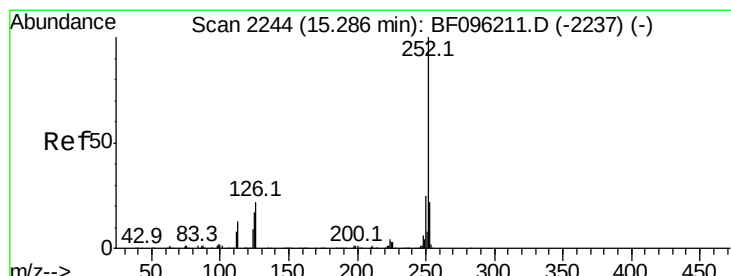
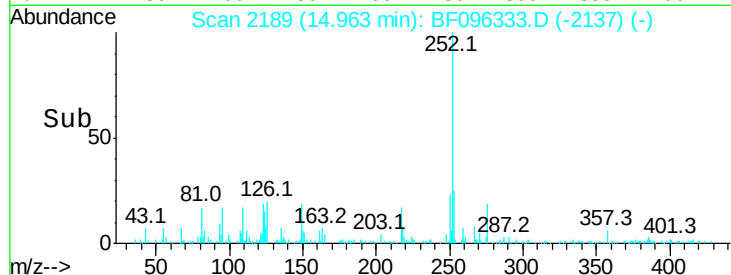
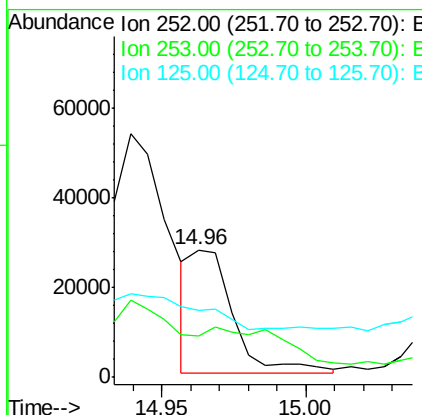
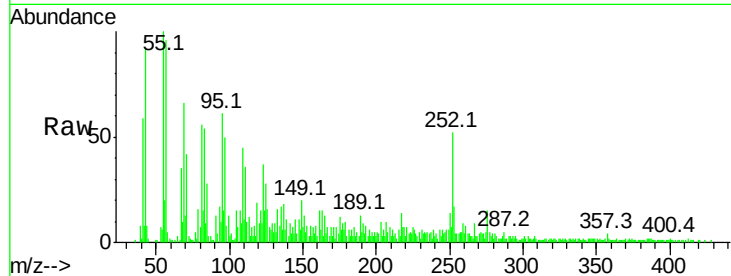
ClientSampleId :

G44-1.5-3

Tot Ion:	252	Resp:	28096
Ion Ratio	Lower	Upper	
252	100		
253	32.6	18.4	27.6#
125	52.8	13.1	19.7#

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM



#89

Benzo(a)pyrene

Concen: 4.57 ng

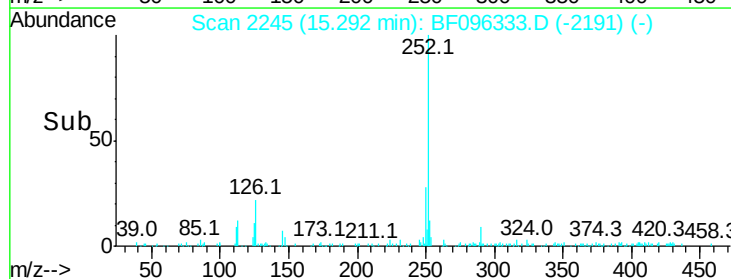
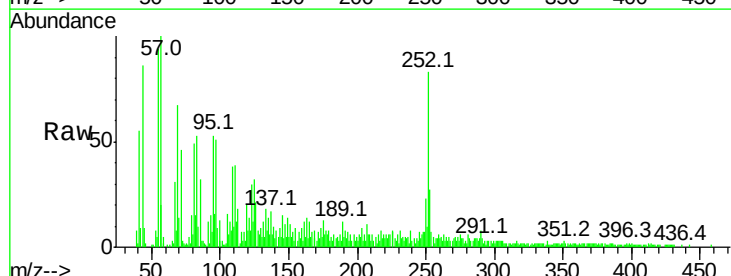
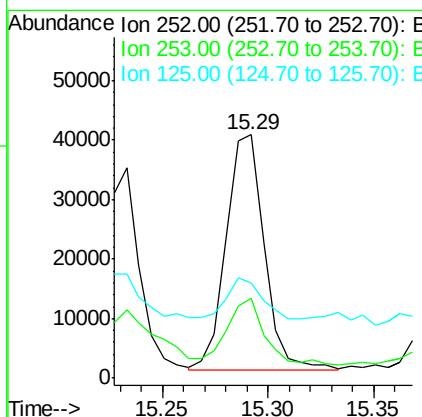
RT: 15.29 min Scan# 2245

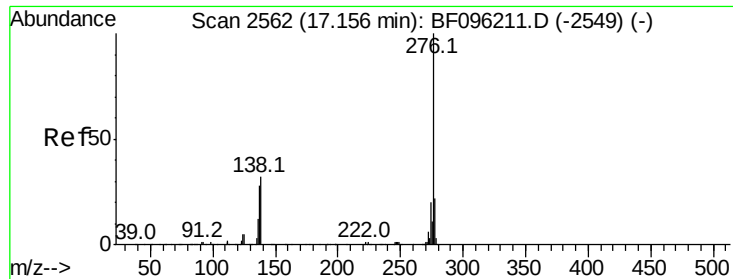
Delta R.T. 0.02 min

Lab File: BF096333.D

Acq: 30 Jun 2017 13:19

Tgt Ion:	252	Resp:	49147
Ion Ratio	Lower	Upper	
252	100		
253	32.6	17.5	26.3#
125	38.9	11.0	16.4#





#91
Benzo(a,h,i)perylene
Concen: 3.34 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.04 min
Lab File: BF096333.D
Acq: 30 Jun 2017 13:19

Instrument :
BNA_F
ClientSampleId :
G44-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.2	18.6	28.0#
138	38.3	25.4	38.0#

Manual Integrations
APPROVED

mohammad
7/3/2017 11:36:46 AM

