

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096453.D
 Acq On : 3 Jul 2017 20:48
 Operator : SJ/MA
 Sample : I3991-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062917-C

Manual Integrations
 APPROVED

mohammad
 7/5/2017 11:41:48 AM

Quant Time: Jul 04 02:41:02 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	117538	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	388597	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	143266	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	238781	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	171833	20.00	ng	0.00
86) Perylene-d12	15.30	264	114898	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	765268	96.10	ng	0.00
7) Phenol-d6	6.37	99	904876	92.43	ng	0.00
23) Nitrobenzene-d5	7.29	82	426462	65.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	110749	98.96	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	693691	82.79	ng	0.00
78) Terphenyl-d14	12.83	244	551431	68.57	ng	0.00
Target Compounds						
10) Phenol	6.38	94	44369	3.978	ng	Qvalue 89
49) Dimethylphthalate	9.48	163	212015	19.824	ng	# 98
70) Phenanthrene	11.26	178	68128	5.278	ng	98
74) Fluoranthene	12.45	202	163454	12.916	ng	98
77) Pyrene	12.68	202	169565	12.294	ng	98
80) Benzo(a)anthracene	13.86	228	63332	6.365	ng	# 88
82) Chrysene	13.90	228	69706	6.689	ng	# 91
85) Indeno(1,2,3-cd)pyrene	16.68	276	25704	3.125	ng	# 86
87) Benzo(b)fluoranthene	14.89	252	62589m	8.694	ng	
88) Benzo(k)fluoranthene	14.92	252	19594m	3.043	ng	
89) Benzo(a)pyrene	15.23	252	42313	6.583	ng	# 58
91) Benzo(g,h,i)perylene	17.09	276	27019	5.156	ng	# 78

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

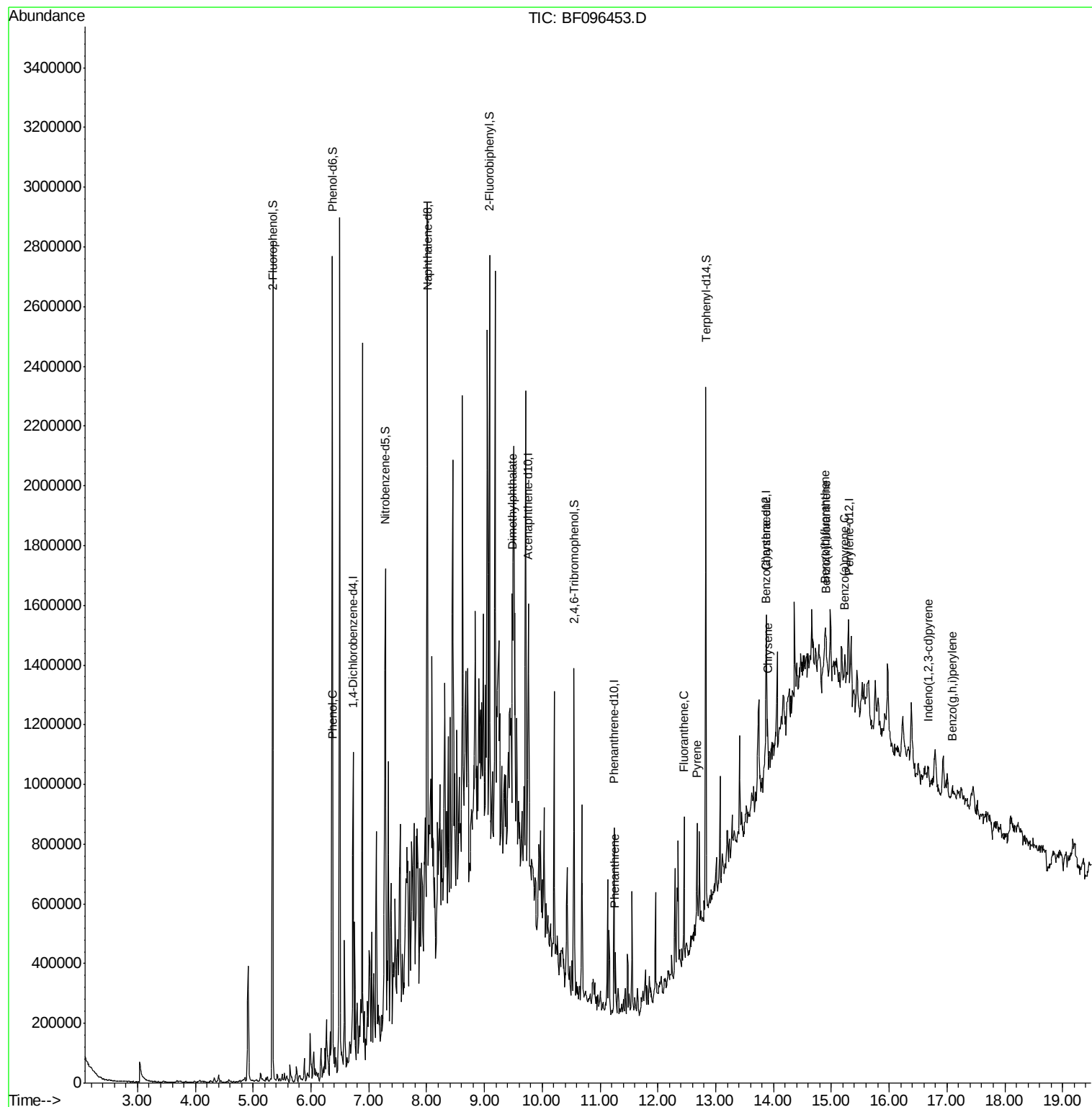
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096453.D
Acq On : 3 Jul 2017 20:48
Operator : SJ/MA
Sample : I3991-07
Misc :
ALS Vial : 24 Sample Multiplier: 1

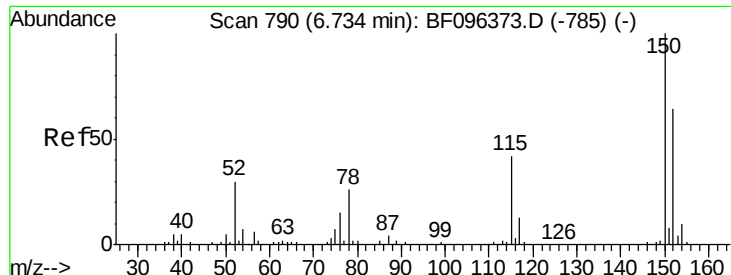
Instrument :
BNA_F
ClientSampled :
HR-06-062917-C

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM

Quant Time: Jul 04 02:41:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration





#1

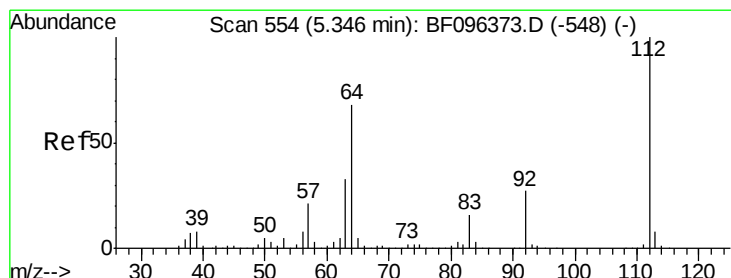
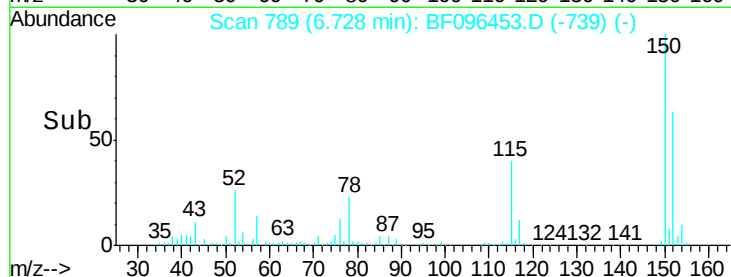
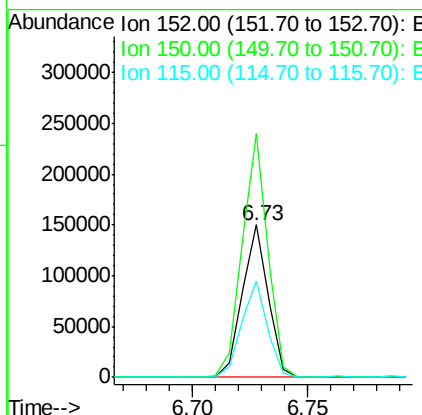
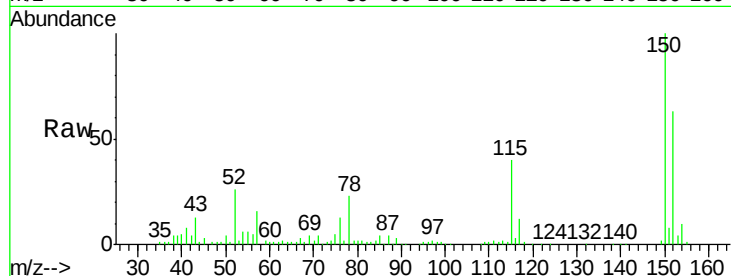
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	63.4	52.2	78.2

Manual Integrations
APPROVED

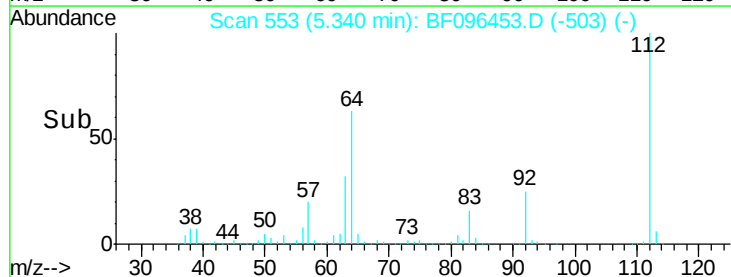
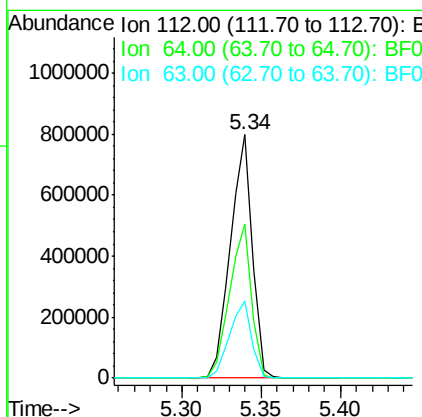
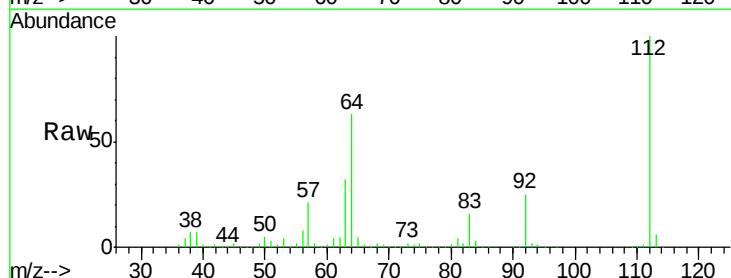
mohammad
7/5/2017 11:41:48 AM

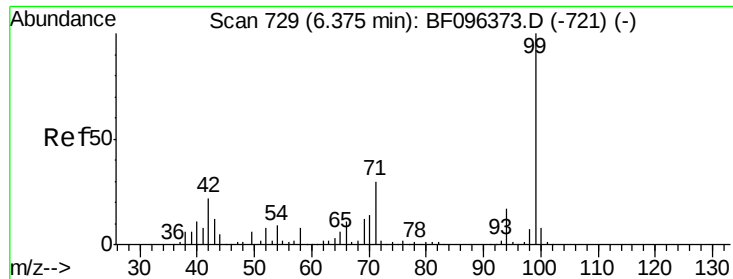


#5

2-Fluorophenol
Concen: 96.098 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	46.0	69.0
63	31.9	23.4	35.0





#7

Phenol-d6

Concen: 92.429 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Instrument :

BNA_F

ClientSampleId :

HR-06-062917-C

Tgt Ion: 99 Resp: 904876

Ion Ratio Lower Upper

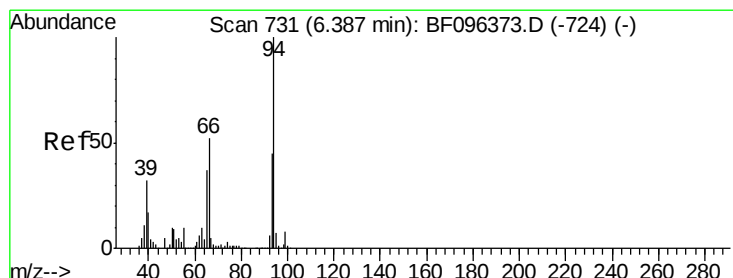
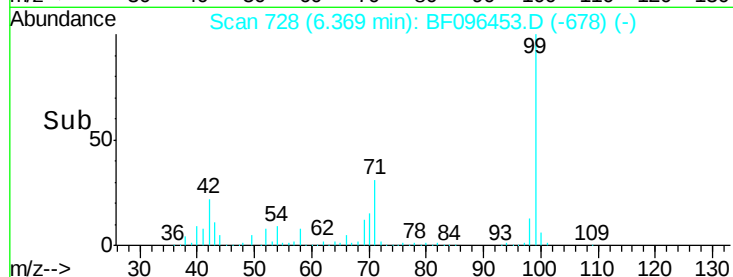
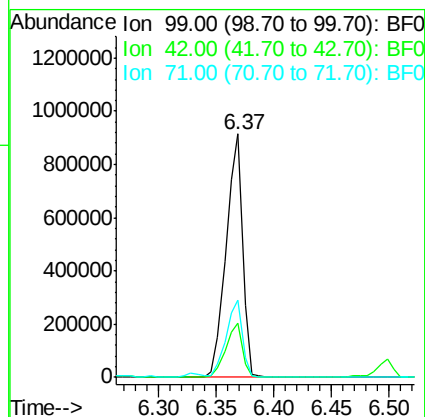
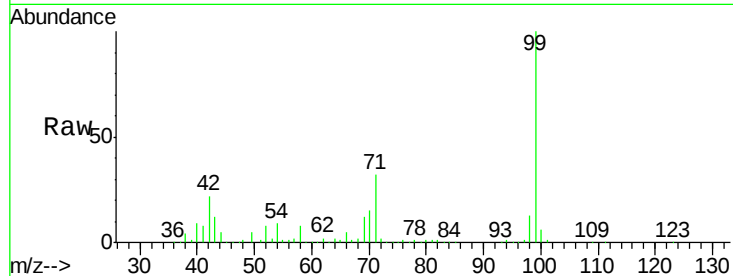
99 100

42 22.3 13.5 20.3#

71 31.5 24.5 36.7

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM



#10

Phenol

Concen: 3.978 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

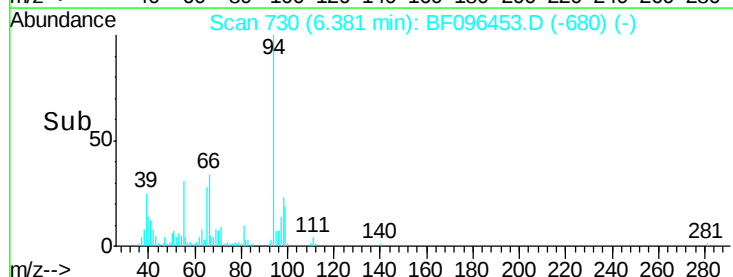
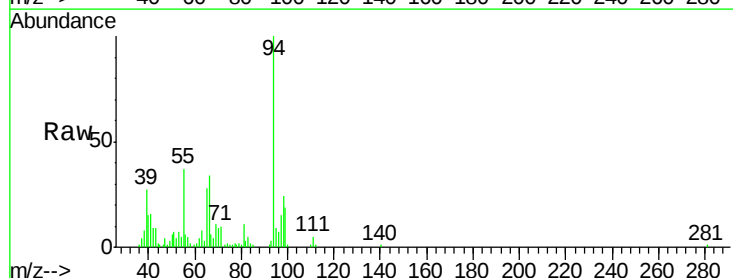
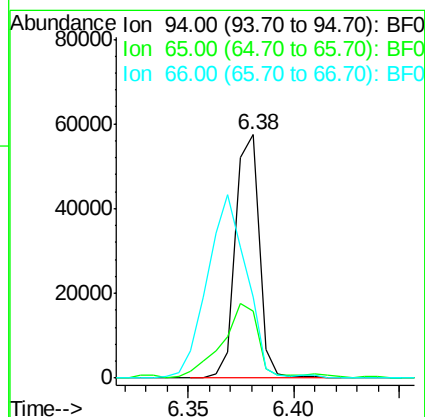
Tgt Ion: 94 Resp: 44369

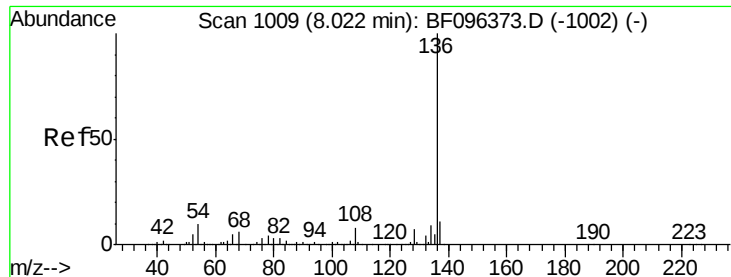
Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

66 33.5 23.1 63.1





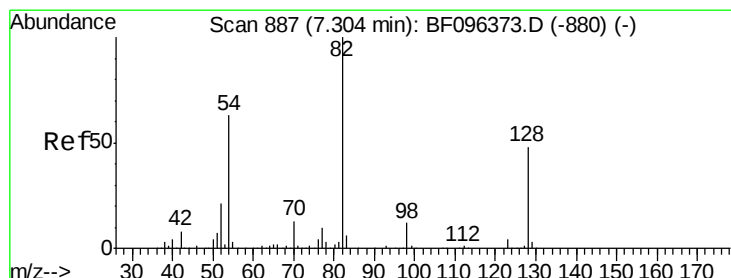
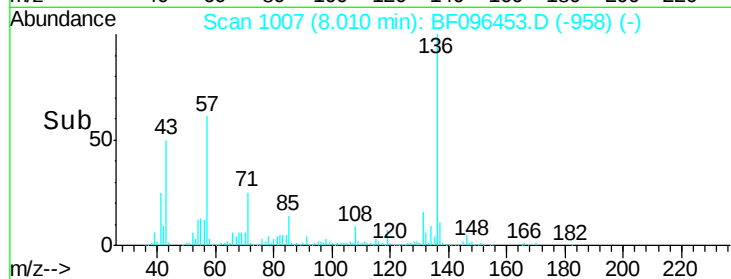
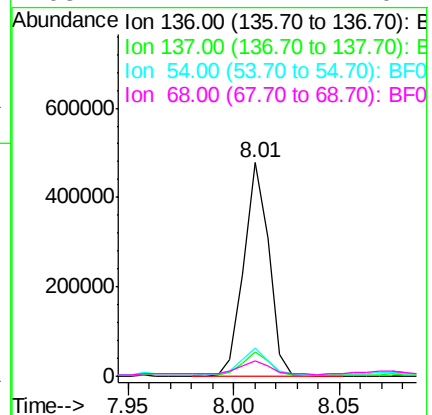
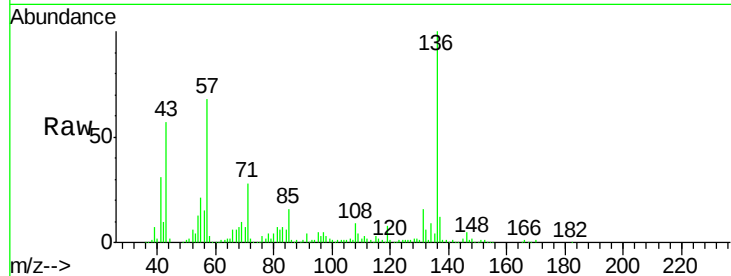
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	388597		
137	11.6	8.5	12.7	
54	13.1	4.9	7.3#	
68	7.1	4.1	6.1#	

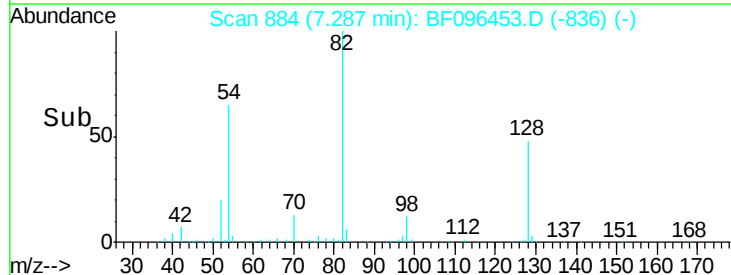
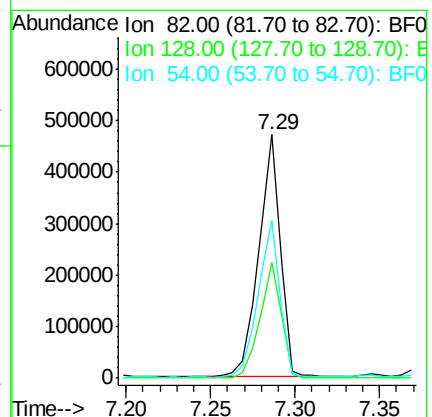
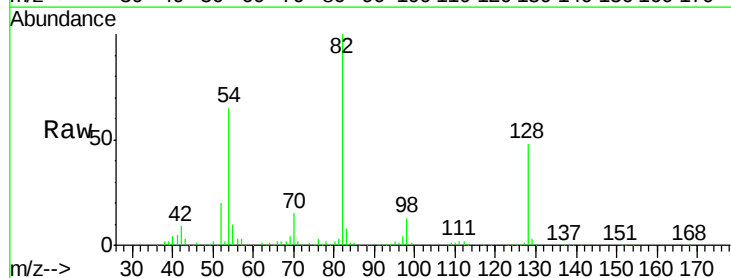
Manual Integrations
APPROVED

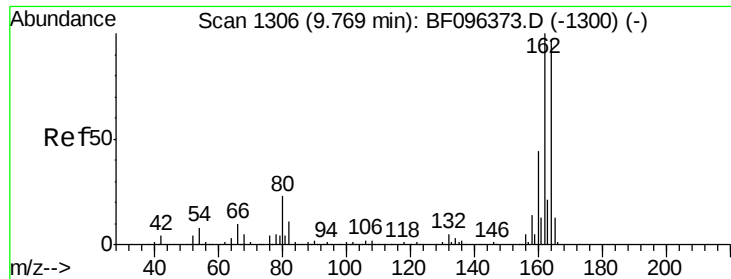
mohammad
7/5/2017 11:41:48 AM



#23
Nitrobenzene-d5
Concen: 65.946 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	426462		
128	47.7	34.0	51.0	
54	65.0	42.2	63.2#	





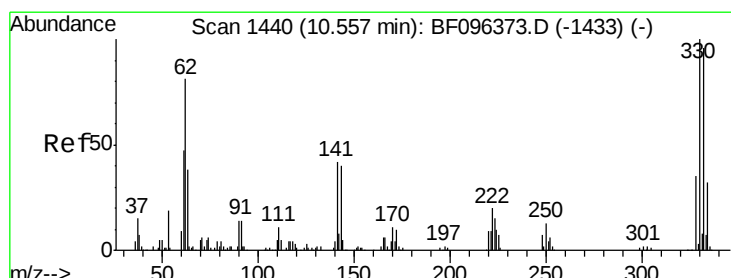
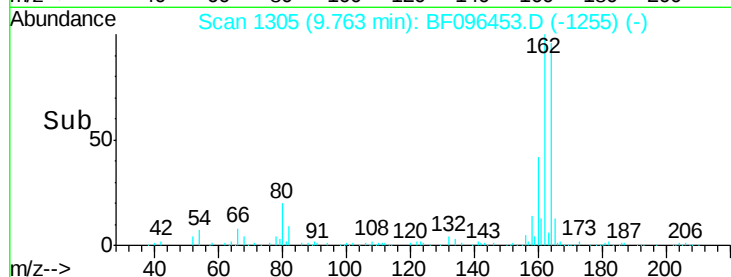
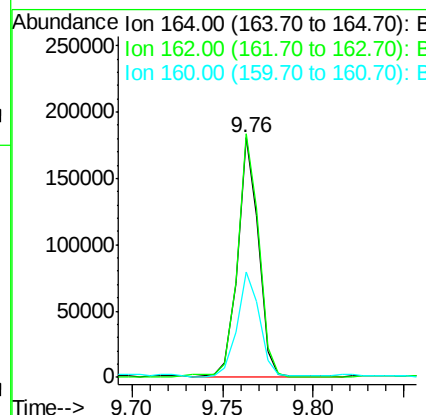
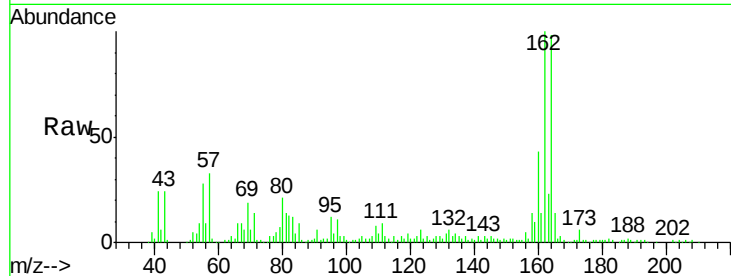
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	82.6	123.8	
160	43.8	36.2	54.2	

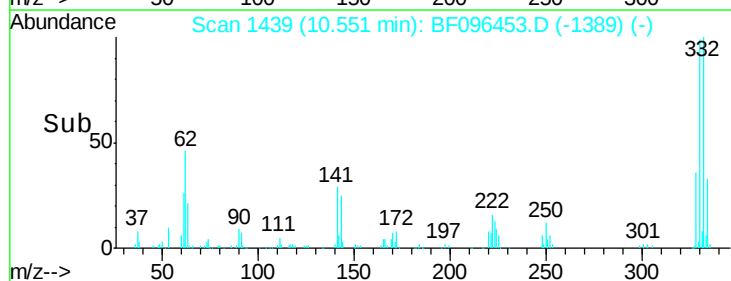
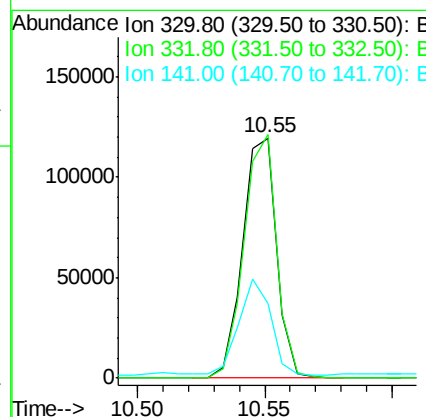
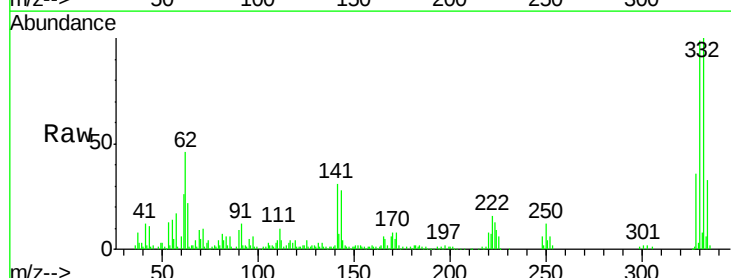
Manual Integrations
APPROVED

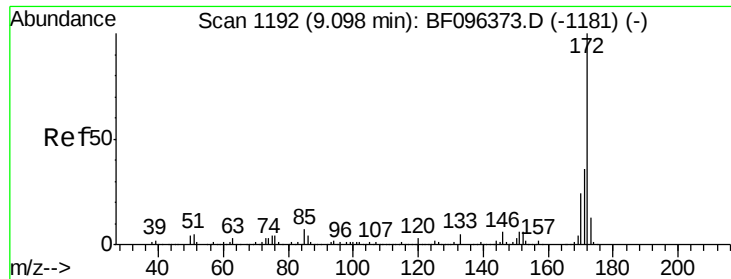
mohammad
7/5/2017 11:41:48 AM



#41
2,4,6-Tribromophenol
Concen: 98.964 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.9	76.6	115.0	
141	37.4	31.4	47.2	





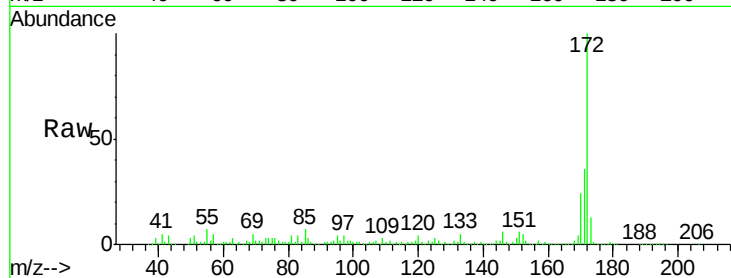
#44
2-Fluorobiphenyl
Concen: 82.787 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM

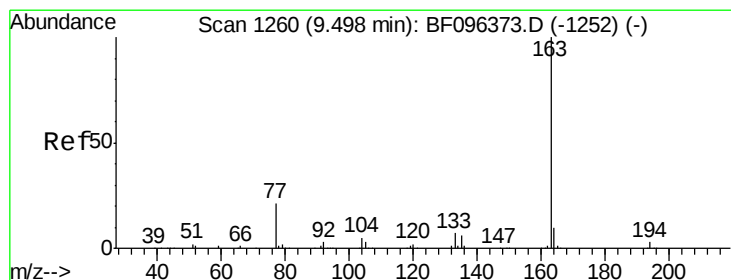
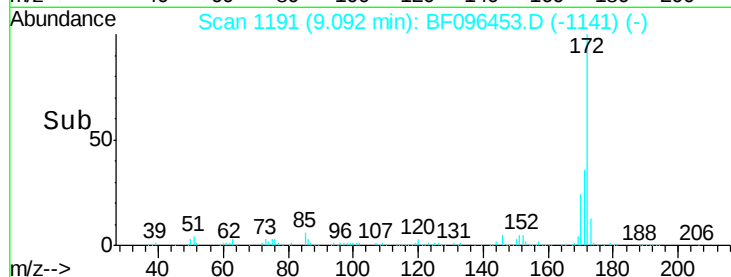
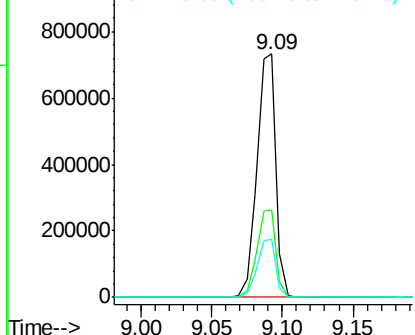


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 19.824 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

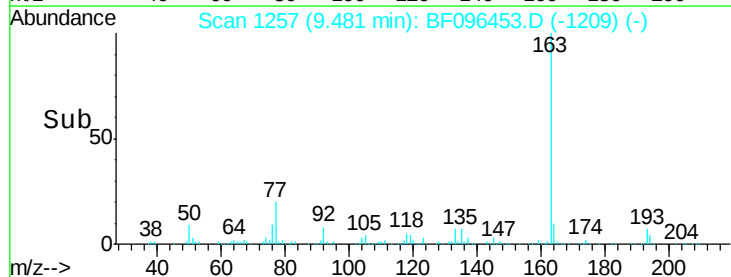
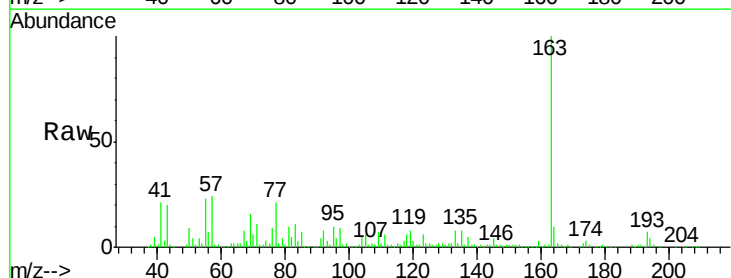
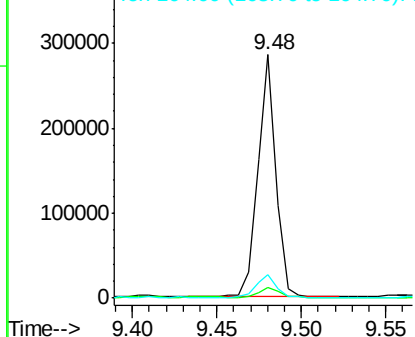
Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	2.6	4.0#
164	9.9	8.4	12.6

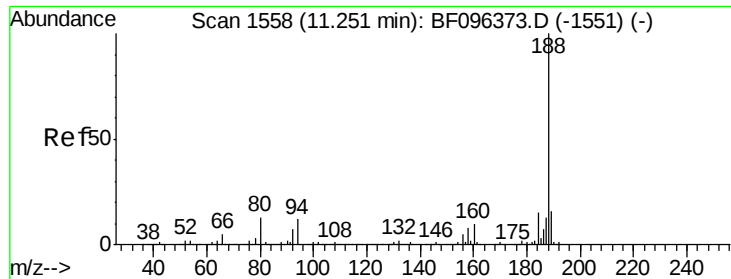
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





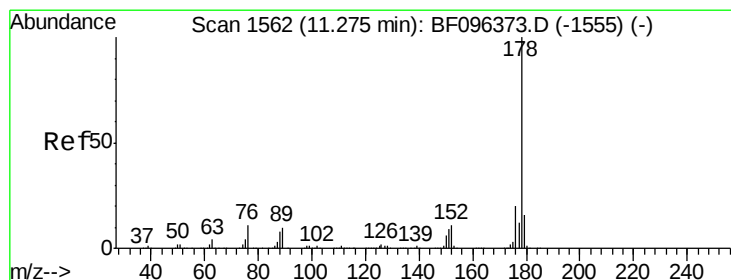
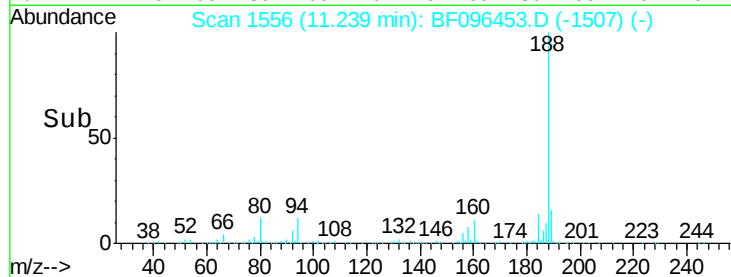
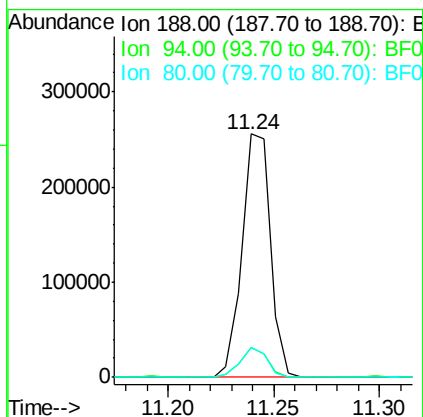
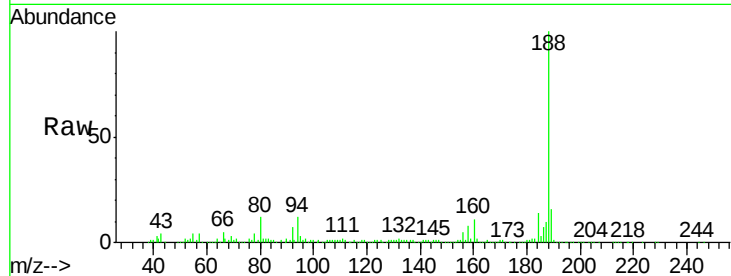
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	238781		
94	12.4		9.4	14.2
80	12.2		10.2	15.2

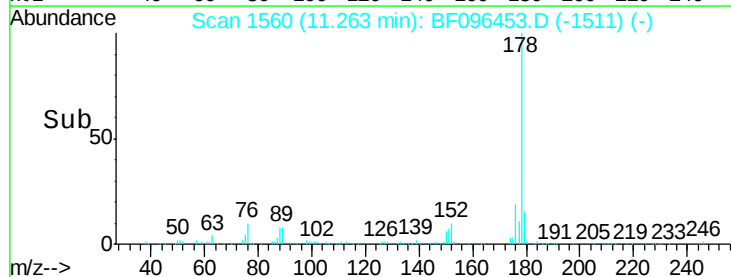
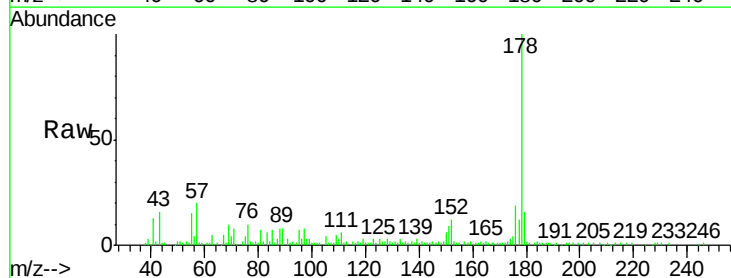
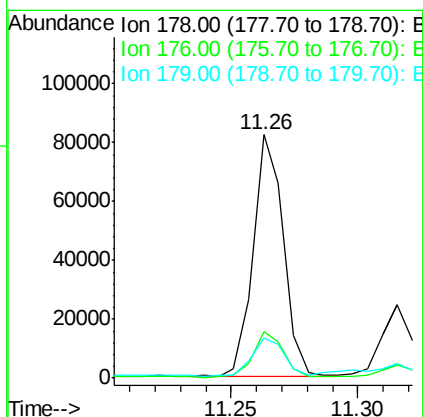
Manual Integrations
APPROVED

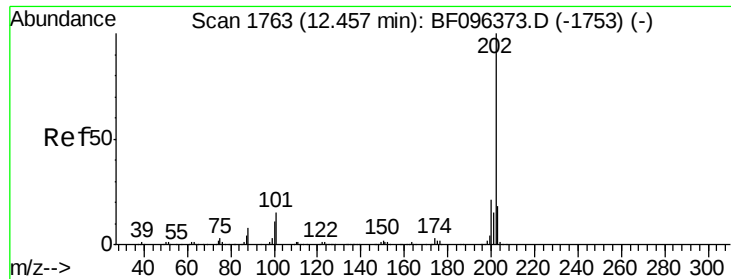
mohammad
7/5/2017 11:41:48 AM



#70
Phenanthrene
Concen: 5.278 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	68128		
176	18.9		16.2	24.4
179	16.4		12.6	19.0





#74

Fluoranthene

Concen: 12.916 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Instrument :

BNA_F

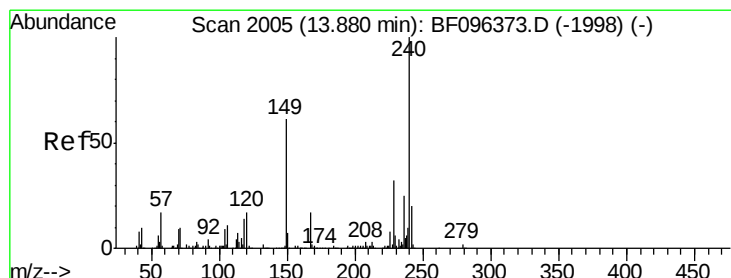
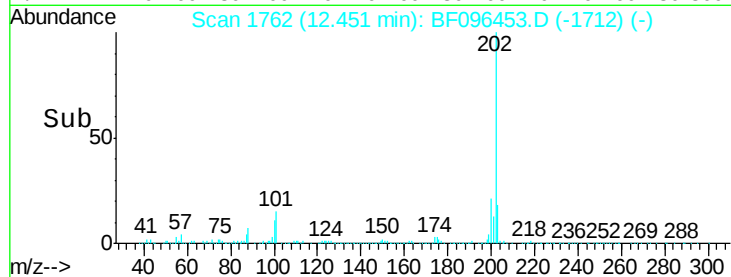
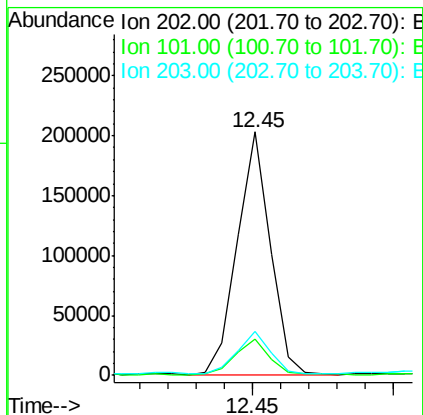
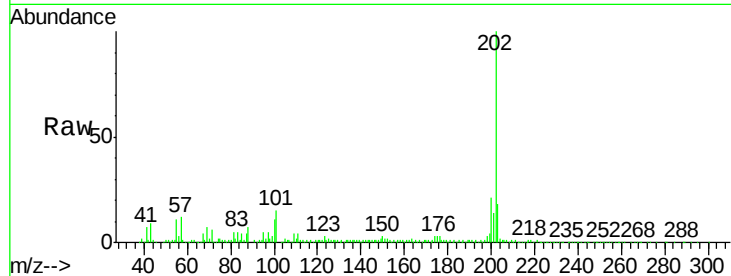
ClientSampleId :

HR-06-062917-C

Tgt	Ion	202	Resp:	163454
Ion	Ratio	Lower	Upper	
202	100			
101	14.9	0.0	33.2	
203	18.1	0.0	38.1	

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM



#75

Chrysene-d12

Concen: 20.000 ng

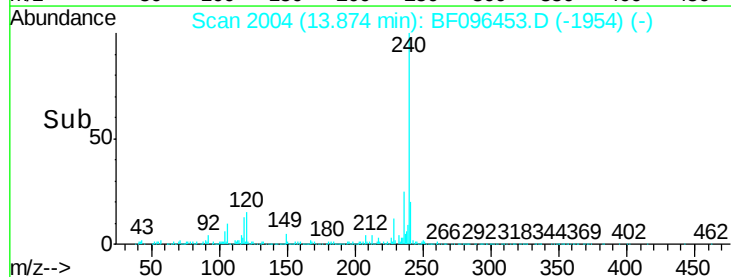
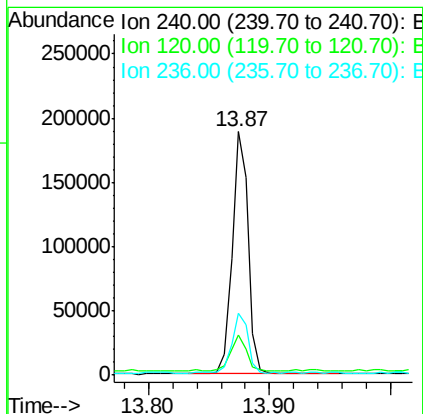
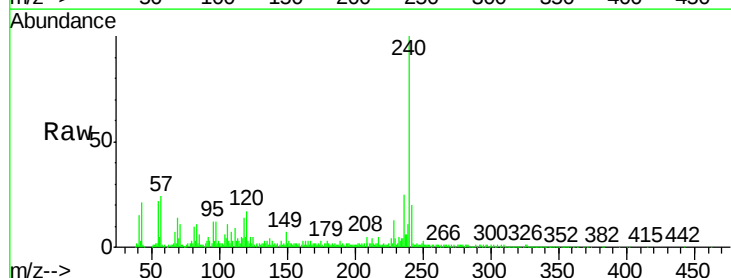
RT: 13.87 min Scan# 2004

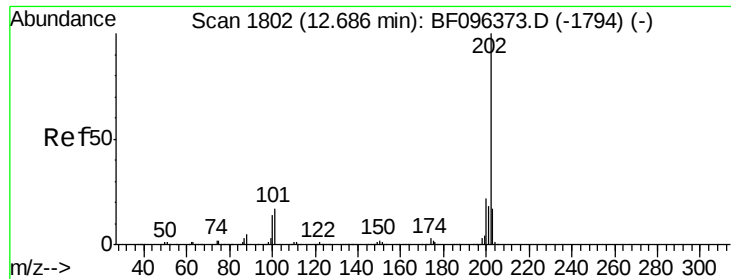
Delta R.T. -0.01 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Tgt	Ion	240	Resp:	171833
Ion	Ratio	Lower	Upper	
240	100			
120	16.6	5.8	8.8#	
236	25.5	20.5	30.7	





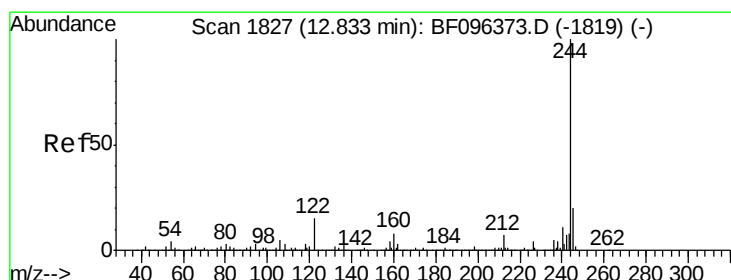
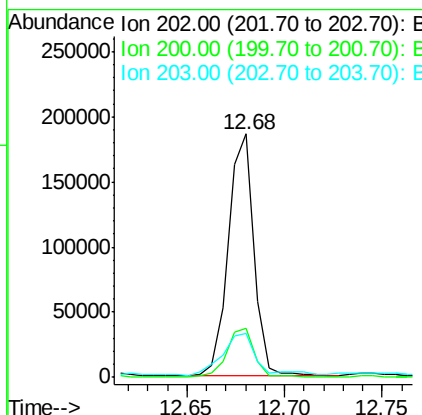
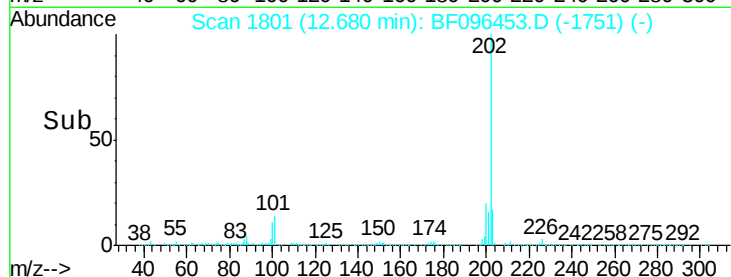
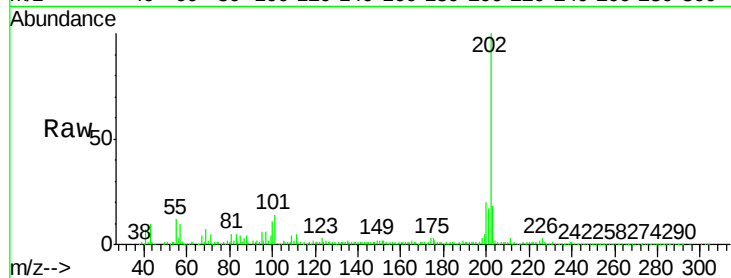
#77
 Pyrene
 Concen: 12.294 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF096453.D
 Acq: 3 Jul 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-062917-C

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	169565		
200	20.1	17.6	26.4	
203	18.2	14.4	21.6	

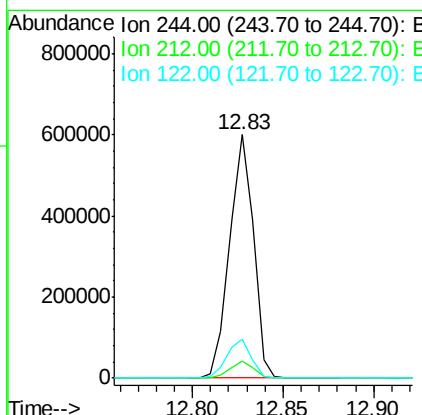
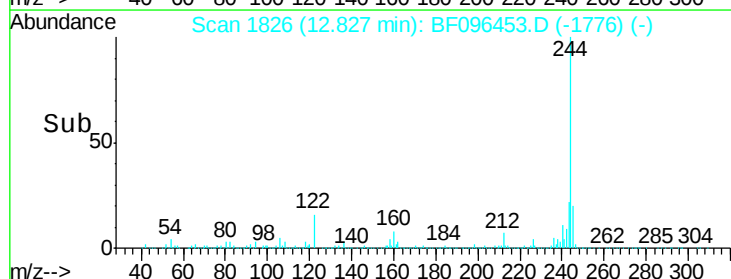
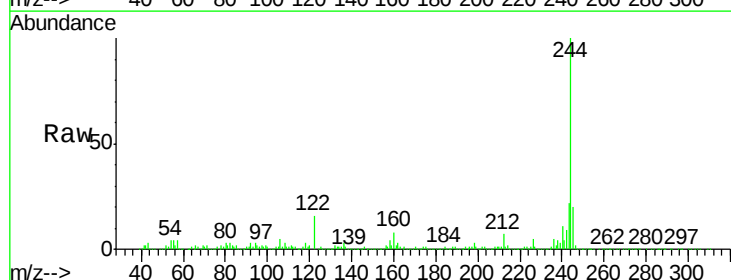
Manual Integrations
 APPROVED

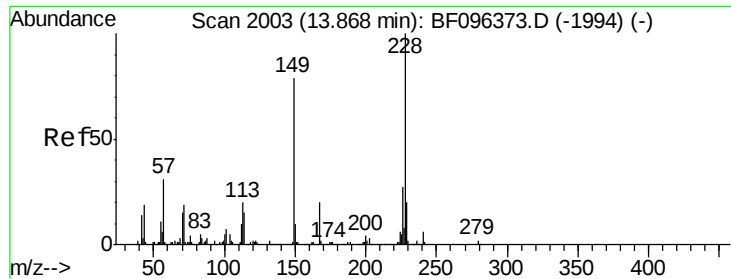
mohammad
 7/5/2017 11:41:48 AM



#78
 Terphenyl-d14
 Concen: 68.574 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096453.D
 Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	551431		
212	7.1	6.0	9.0	
122	15.8	10.3	15.5	





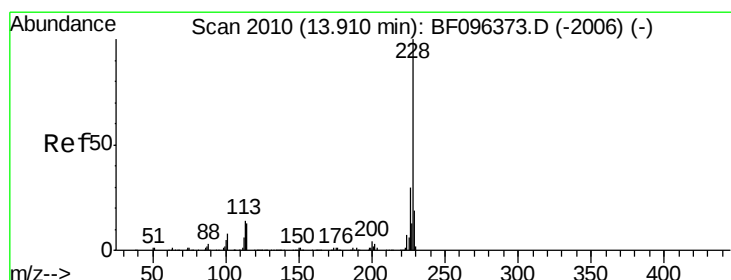
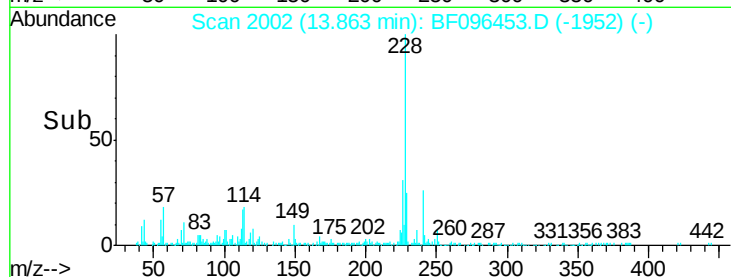
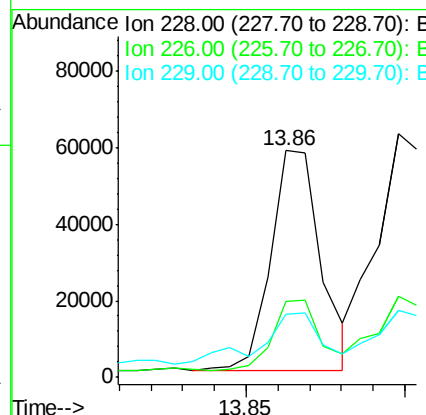
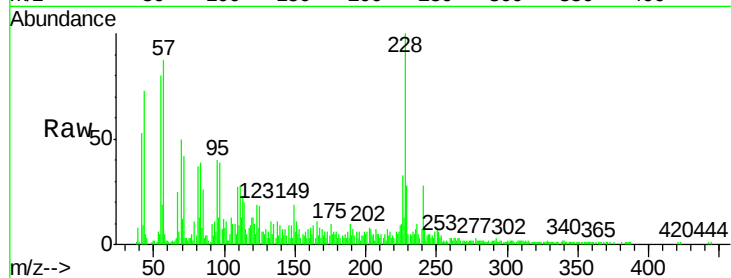
#80
Benzo(a)anthracene
Concen: 6.365 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.6	33.8
229	27.7	16.3	24.5

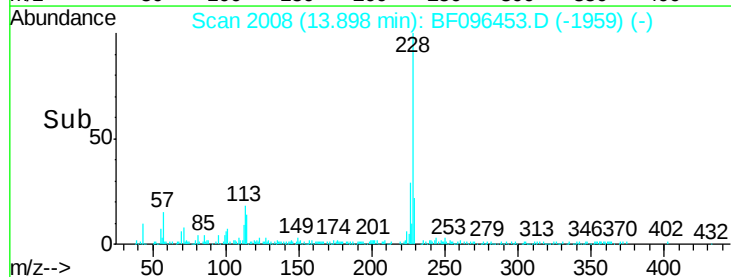
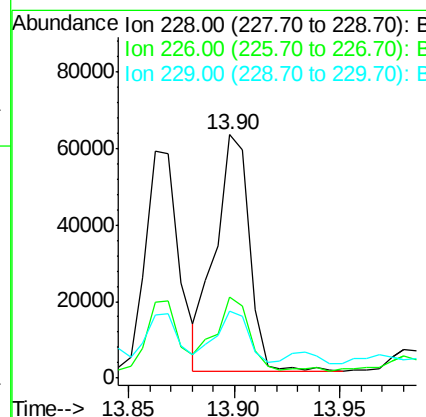
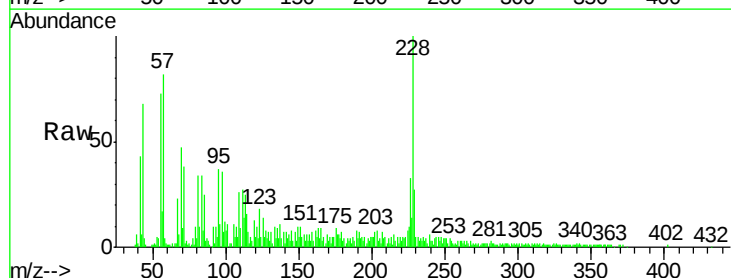
Manual Integrations
APPROVED

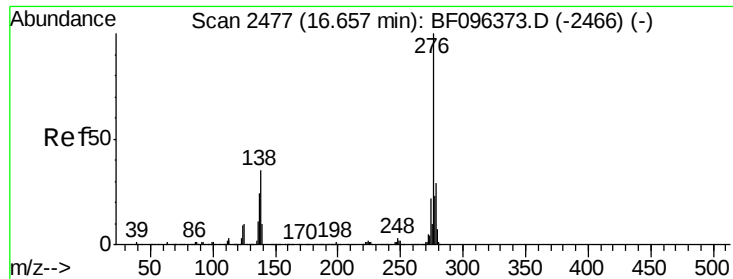
mohammad
7/5/2017 11:41:48 AM



#82
Chrysene
Concen: 6.689 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.9	37.3
229	27.4	15.8	23.6





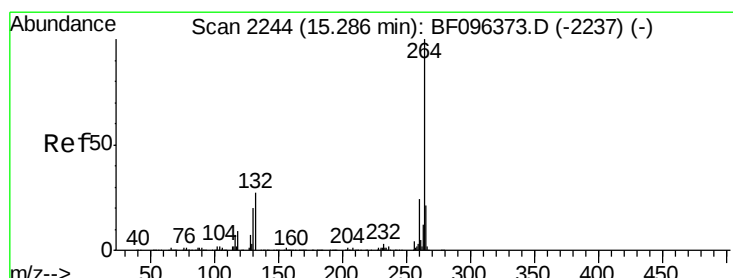
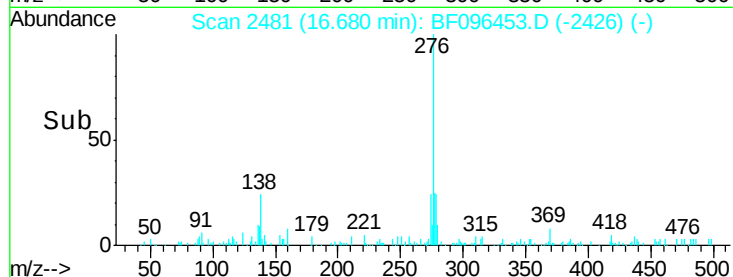
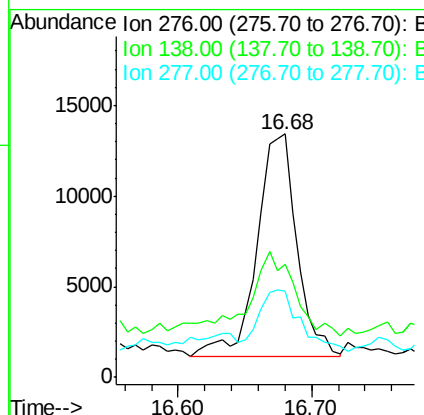
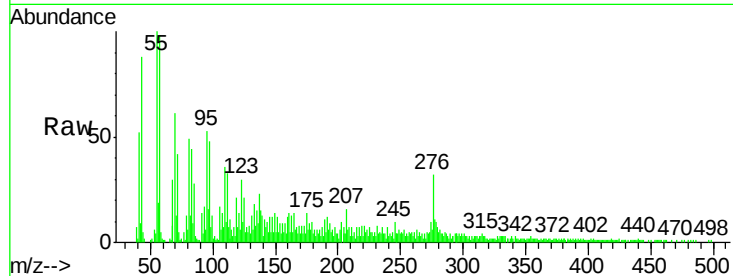
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.125 ng
RT: 16.68 min Scan# 2481
Delta R.T. 0.02 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Instrument :
BNA_F
ClientSampleId :
HR-06-062917-C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	46.9	27.8	41.6#
277	27.9	20.2	30.4

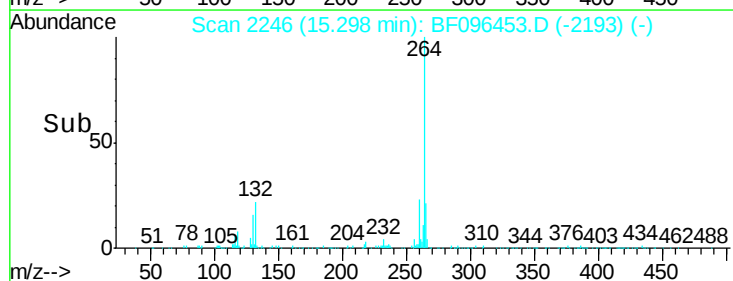
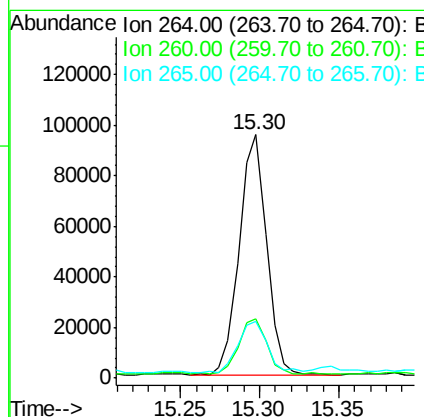
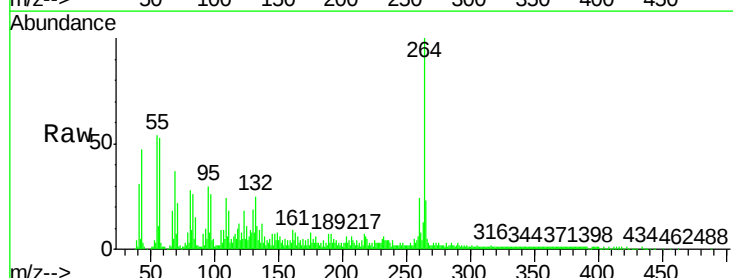
Manual Integrations
APPROVED

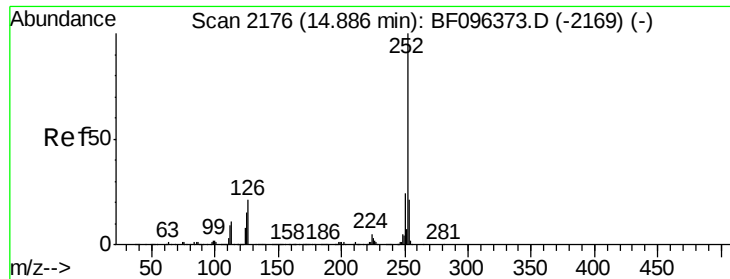
mohammad
7/5/2017 11:41:48 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF096453.D
Acq: 3 Jul 2017 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	23.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.694 ng m

RT: 14.89 min Scan# 2177

Delta R.T. 0.01 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Instrument :

BNA_F

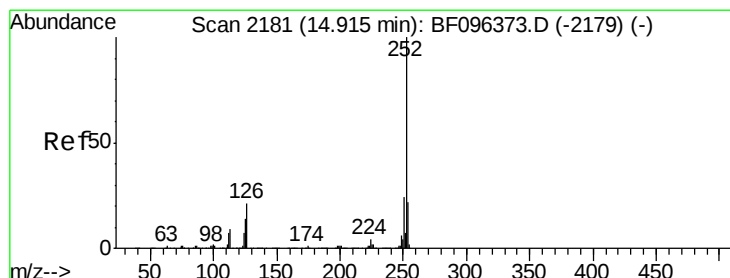
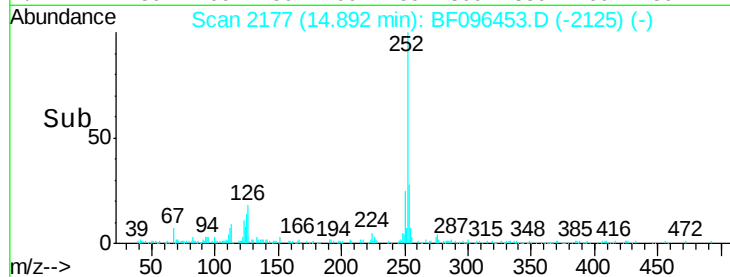
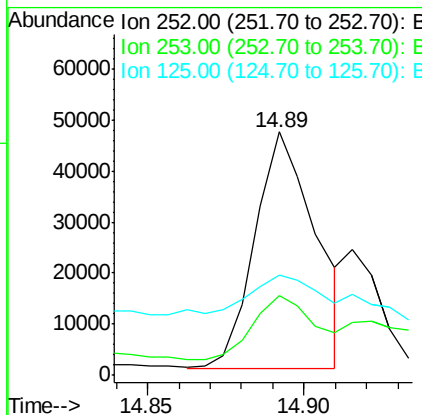
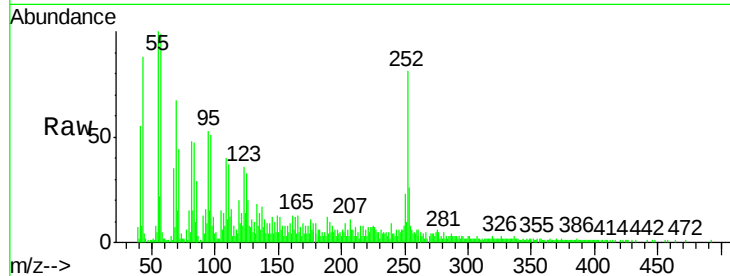
ClientSampleId :

HR-06-062917-C

Tgt Ion:	252	Resp:	62589
Ion Ratio	Lower	Upper	
252	100		
253	32.6	18.1	27.1#
125	41.0	9.8	14.8#

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM



#88

Benzo(k)fluoranthene

Concen: 3.043 ng m

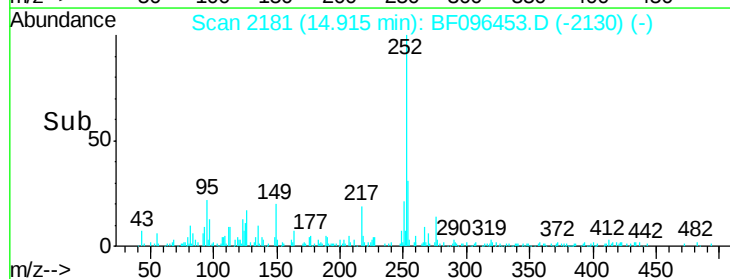
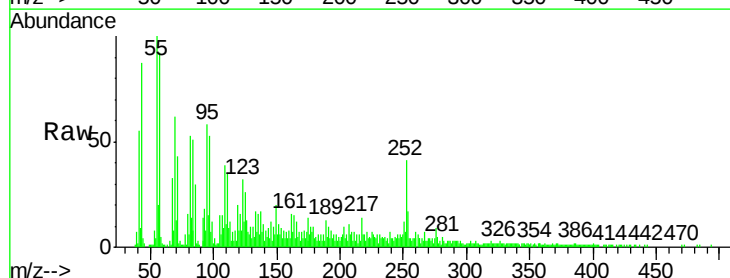
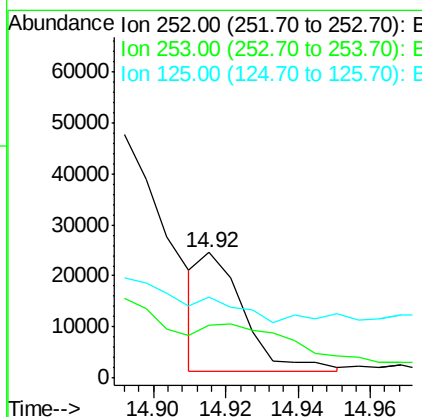
RT: 14.92 min Scan# 2181

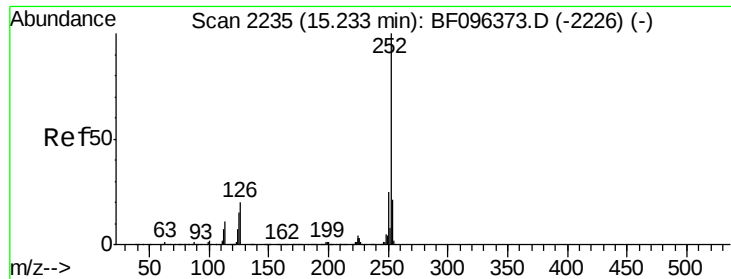
Delta R.T. -0.00 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Tgt Ion:	252	Resp:	19594
Ion Ratio	Lower	Upper	
252	100		
253	42.1	18.4	27.6#
125	64.8	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 6.583 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Instrument :

BNA_F

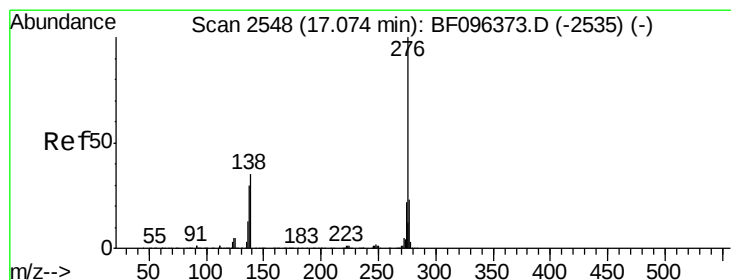
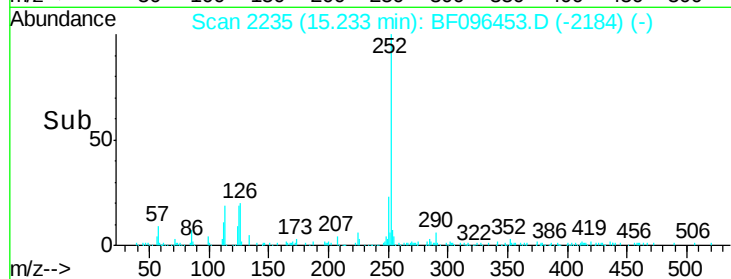
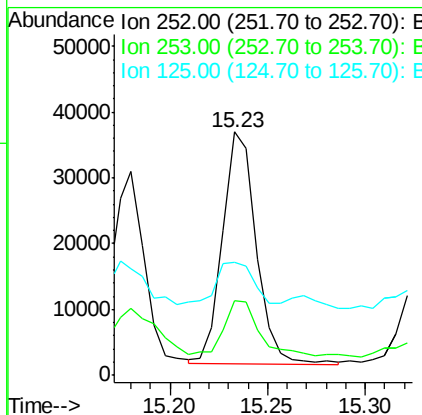
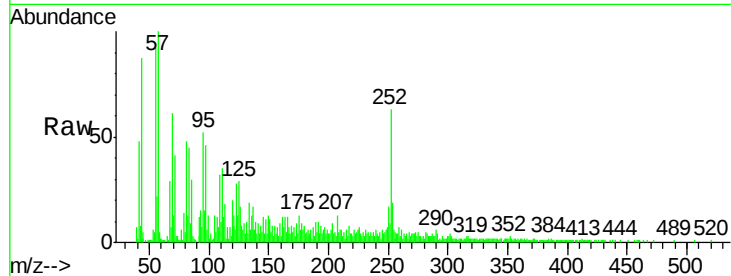
ClientSampleId :

HR-06-062917-C

Tgt Ion:	252	Resp:	42313
Ion Ratio	Lower	Upper	
252	100		
253	30.6	17.5	26.3#
125	46.2	11.0	16.4#

Manual Integrations
APPROVED

mohammad
7/5/2017 11:41:48 AM



#91

Benzo(g,h,i)perylene

Concen: 5.156 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.02 min

Lab File: BF096453.D

Acq: 3 Jul 2017 20:48

Tgt Ion:	276	Resp:	27019
Ion Ratio	Lower	Upper	
276	100		
277	32.4	18.6	28.0#
138	45.2	25.4	38.0#

