

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084035.D
 Acq On : 23 Dec 2015 13:08
 Operator : UM/SJ
 Sample : G4862-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-EAST

Manual Integrations
 APPROVED

apatel
 12/23/2015 4:32:58 PM

Quant Time: Dec 23 15:31:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	42489	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	174922	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	81077	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	147214	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	105532	20.00	ng	-0.01
86) Perylene-d12	15.41	264	94624	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	382250	153.39	ng	0.01
7) Phenol-d6	6.48	99	516628	176.32	ng	0.00
23) Nitrobenzene-d5	7.39	82	283197	99.46	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	138129	177.12	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	672011	111.55	ng	0.00
78) Terphenyl-d14	12.93	244	513046	115.94	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	144267	22.74	ng	Qvalue # 90
70) Phenanthrene	11.38	178	59068	7.10	ng	99
71) Anthracene	11.43	178	17580	2.08	ng	99
74) Fluoranthene	12.56	202	124039	15.03	ng	97
77) Pyrene	12.79	202	142211	19.86	ng	99
80) Benzo(a)anthracene	13.97	228	63032	10.36	ng	98
82) Chrysene	14.01	228	48268m	8.54	ng	
83) Bis(2-ethylhexyl)phthalate	13.97	149	10042	2.20	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.84	276	28650	6.13	ng	100
87) Benzo(b)fluoranthene	15.01	252	60258m	10.10	ng	
88) Benzo(k)fluoranthene	15.04	252	22349m	3.94	ng	
89) Benzo(a)pyrene	15.36	252	42095	7.62	ng	# 93
91) Benzo(a,h,i)perylene	17.27	276	26961	5.82	ng	99

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

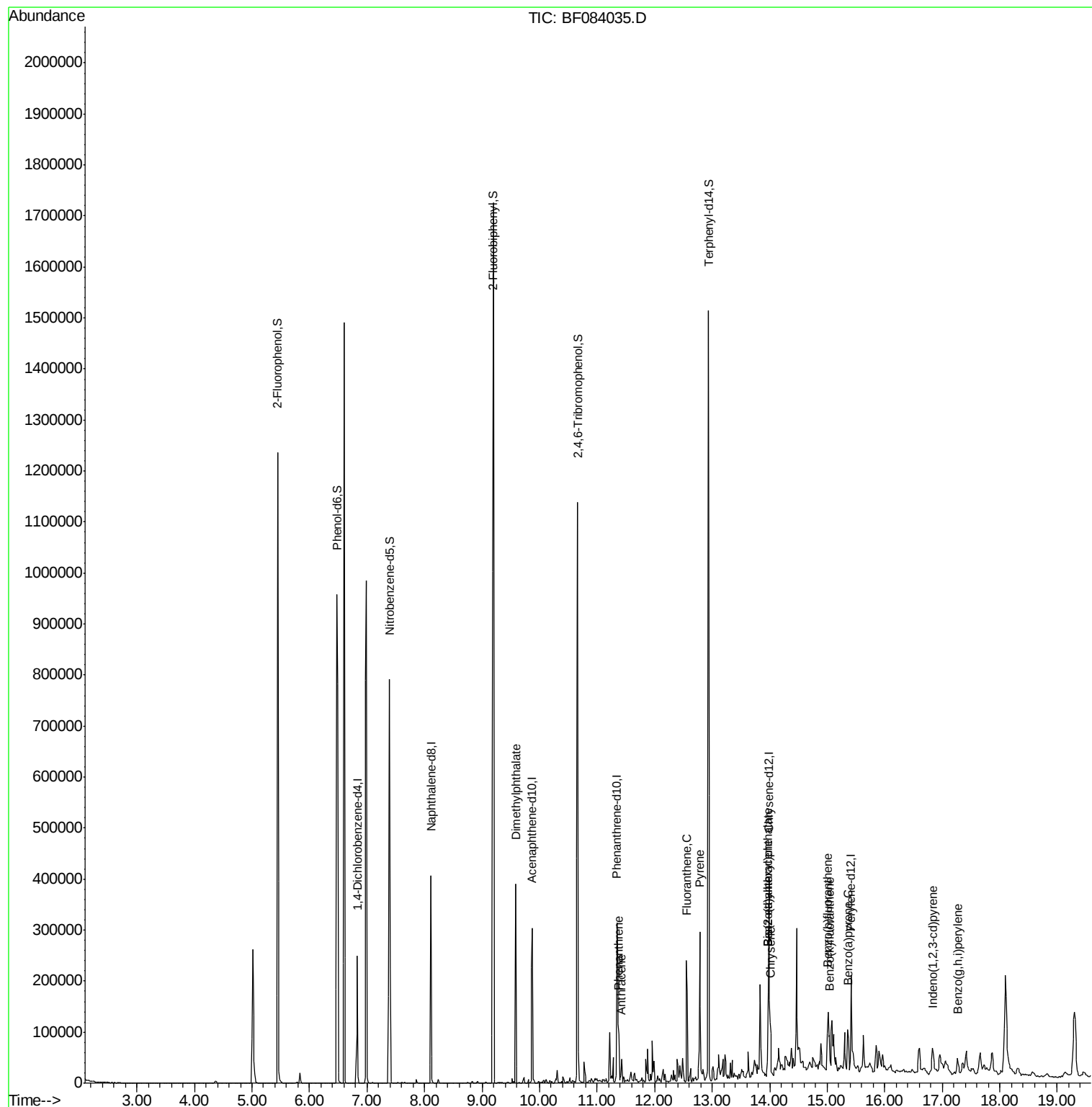
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084035.D
Acq On : 23 Dec 2015 13:08
Operator : UM/SJ
Sample : G4862-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

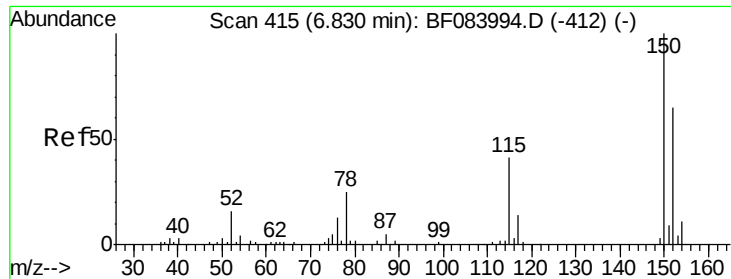
Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM

Quant Time: Dec 23 15:31:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration





#1

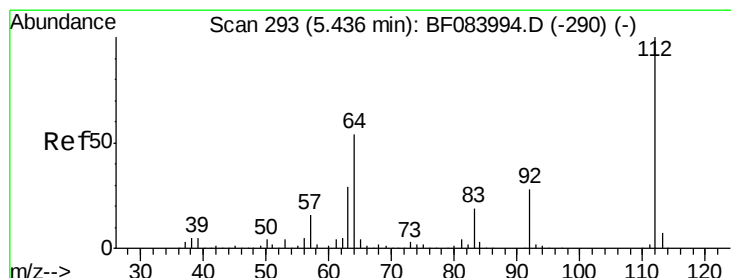
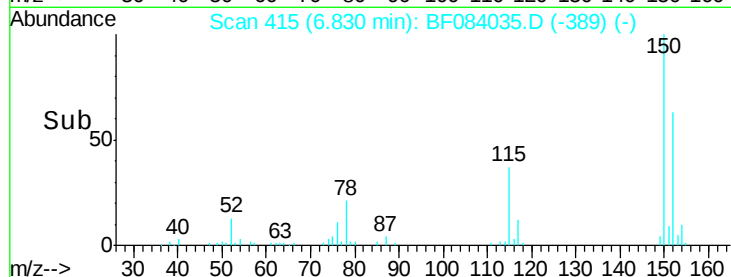
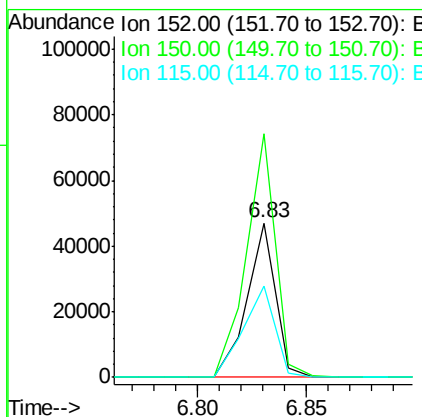
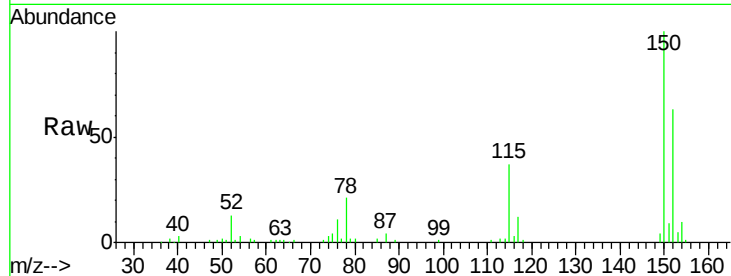
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.0	184.4
115	59.1	51.4	77.2

Manual Integrations
APPROVED

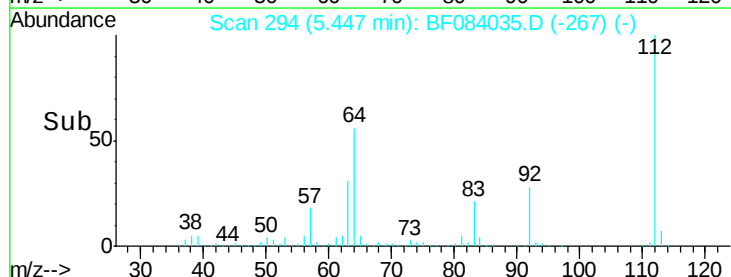
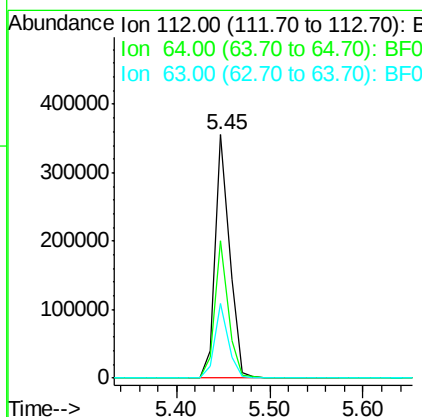
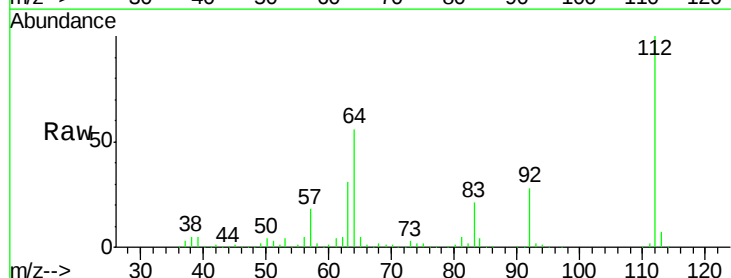
apatel
12/23/2015 4:32:58 PM

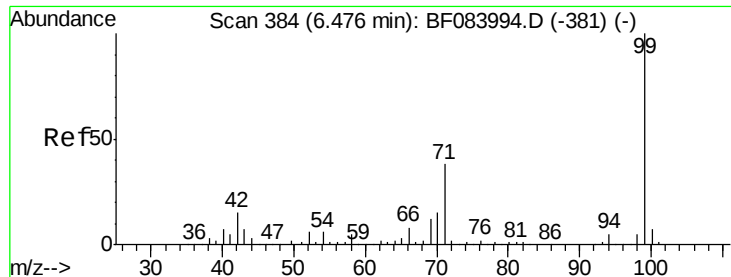


#5

2-Fluorophenol
Concen: 153.39 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	36.6	55.0#
63	30.9	19.4	29.0#





#7

Phenol-d6

Concen: 176.32 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Instrument :

BNA_F

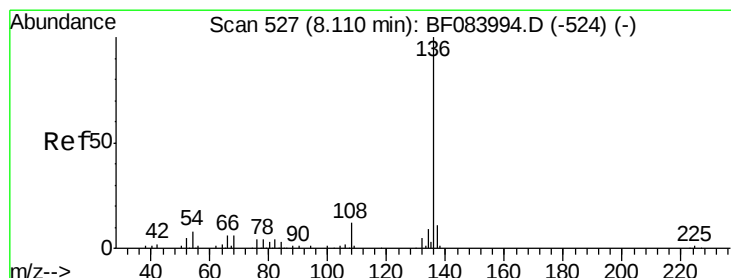
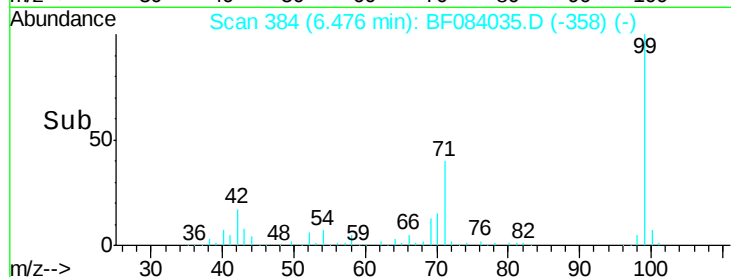
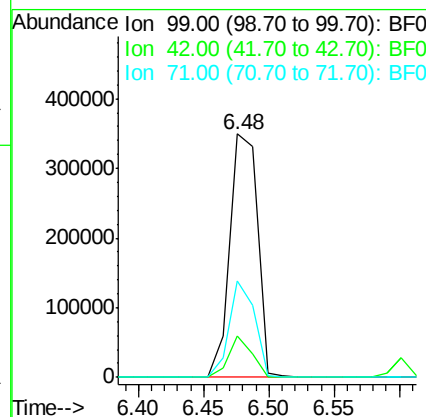
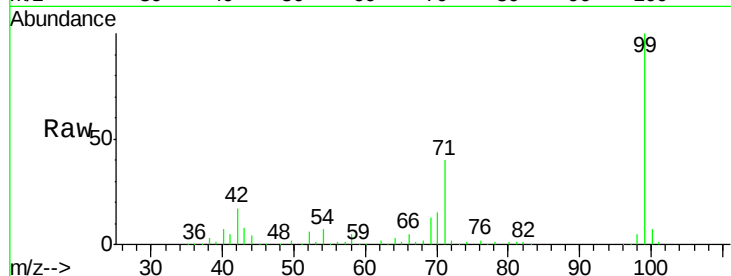
ClientSampleId :

AST-HC-EAST

Tot Ion:	99	Resp:	516628
Ion Ratio	Lower	Upper	
99	100		
42	16.8	12.8	19.2
71	39.8	30.9	46.3

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



#21

Naphthalene-d8

Concen: 20.00 ng

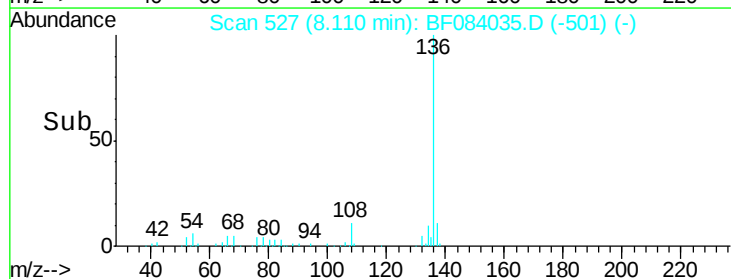
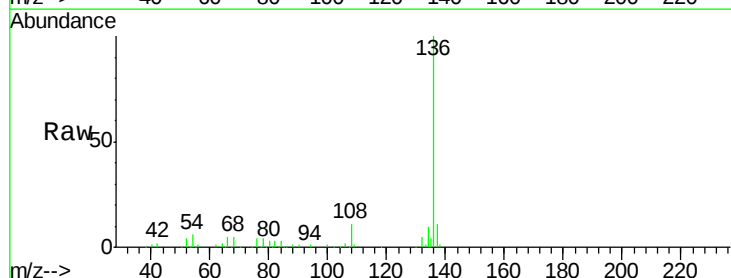
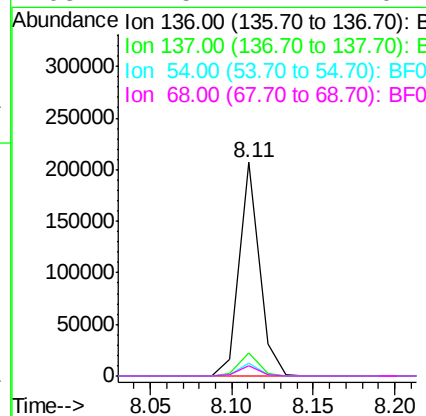
RT: 8.11 min Scan# 527

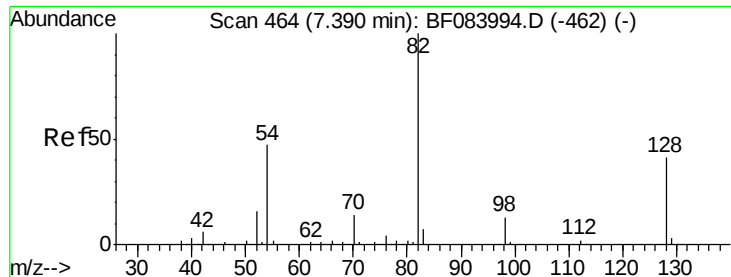
Delta R.T. 0.00 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Tgt Ion:	136	Resp:	174922
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.7	13.1
54	6.0	5.8	8.8
68	4.5	4.2	6.2





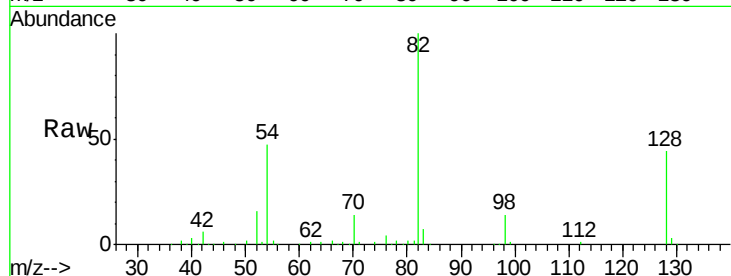
#23
Nitrobenzene-d5
Concen: 99.46 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

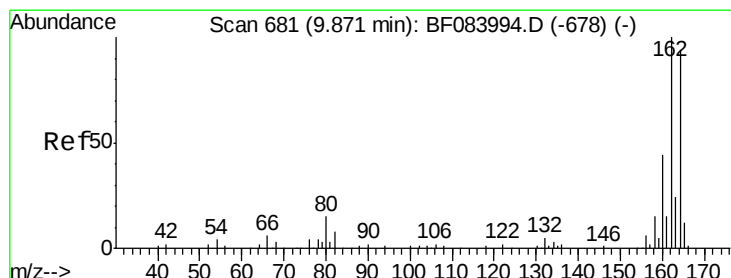
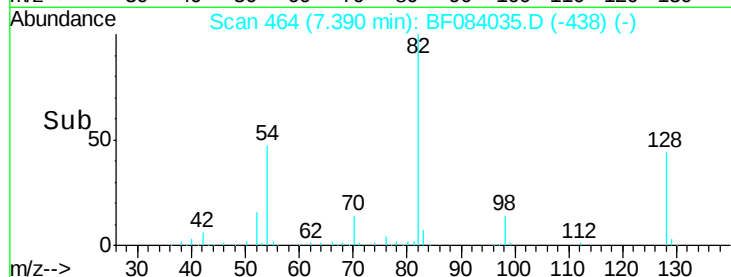
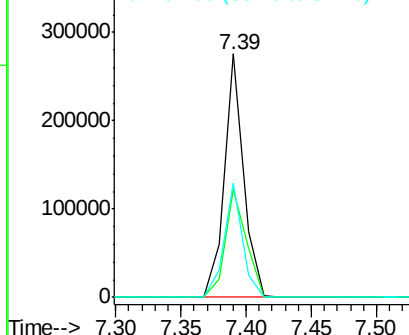
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.6	51.8
54	47.2	38.4	57.6

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



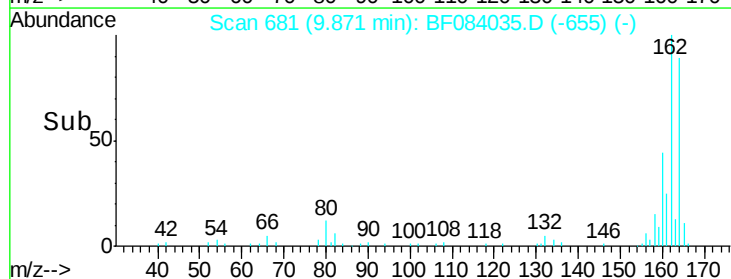
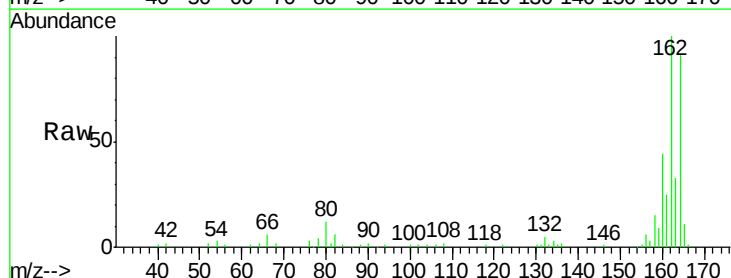
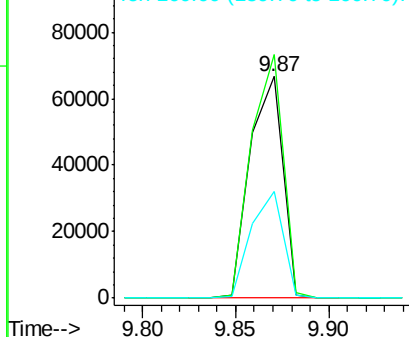
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

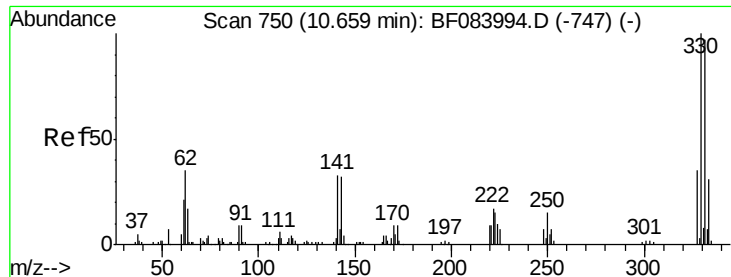


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.8	85.1	127.7
160	48.2	37.5	56.3

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





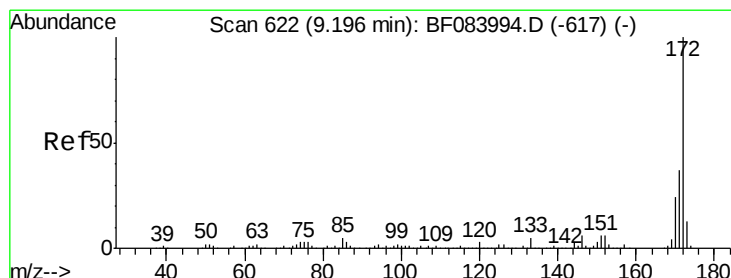
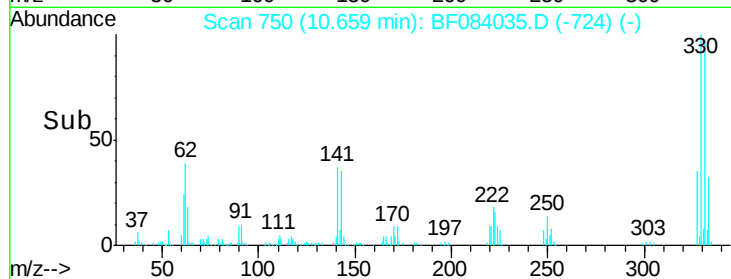
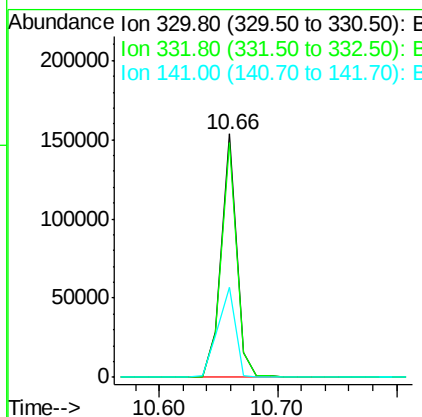
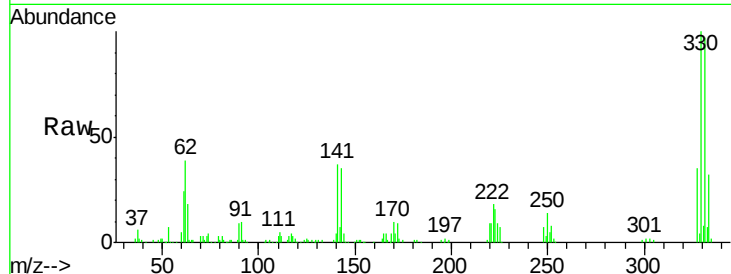
#41
 2,4,6-Tribromophenol
 Concen: 177.12 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF084035.D
 Acq: 23 Dec 2015 13:08

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-EAST

Tot Ion	Ratio	Resp	Lower	Upper
330	100	138129		
332	97.0	76.6	114.8	
141	42.4	27.8	41.6#	

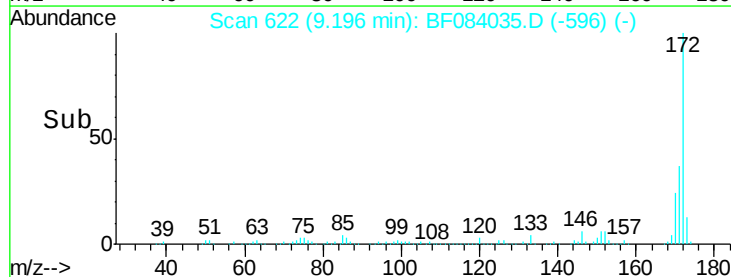
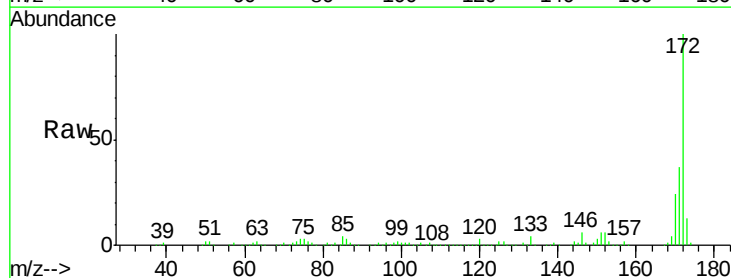
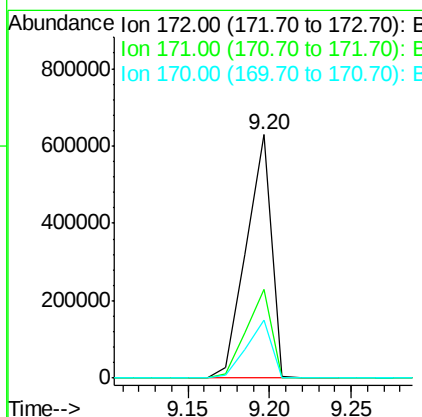
Manual Integrations
 APPROVED

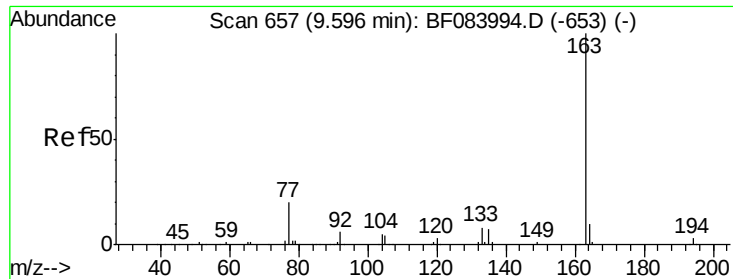
apatel
 12/23/2015 4:32:58 PM



#44
 2-Fluorobiphenyl
 Concen: 111.55 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084035.D
 Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	672011		
171	36.6	28.9	43.3	
170	23.7	18.6	27.8	





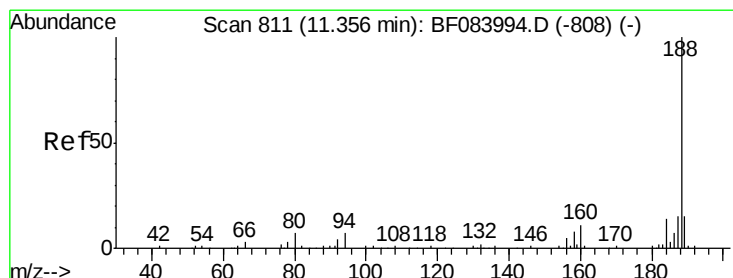
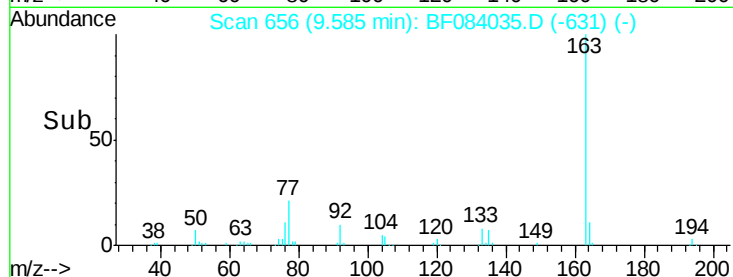
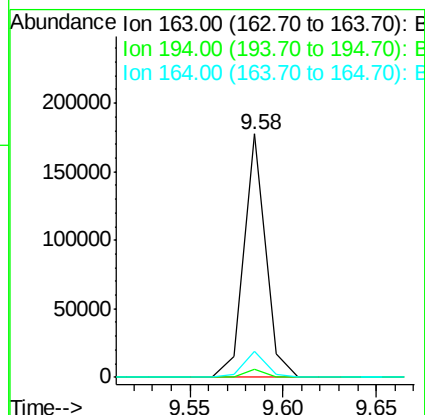
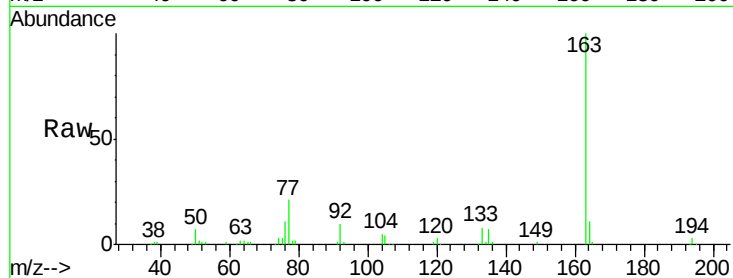
#49
Dimethylphthalate
Concen: 22.74 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Tot Ion	Ratio	Resp	Lower	Upper
163	100	144267		
194	3.2	8.0	12.0	
164	10.5	8.0	12.0	

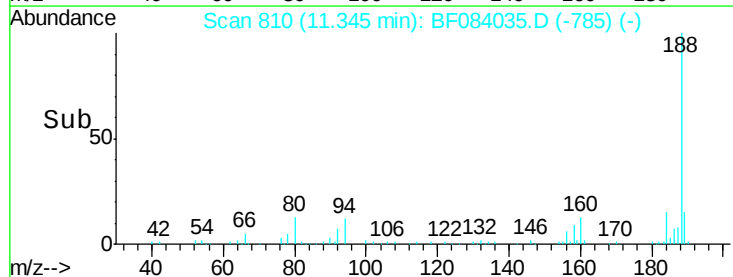
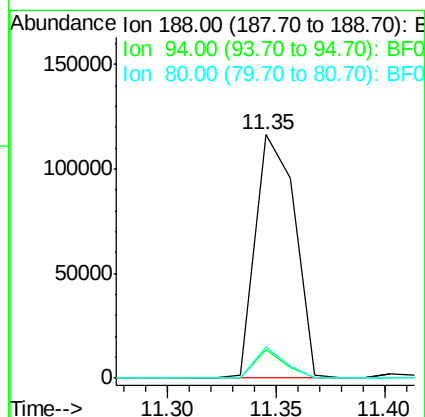
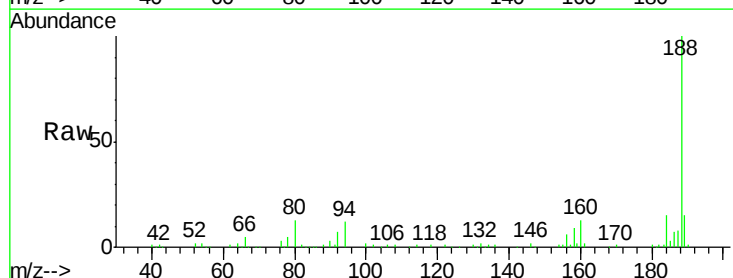
Manual Integrations
APPROVED

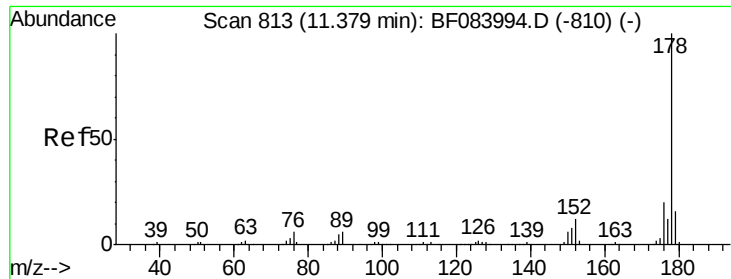
apatel
12/23/2015 4:32:58 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	147214		
94	12.0	9.0	13.4	
80	12.6	9.6	14.4	





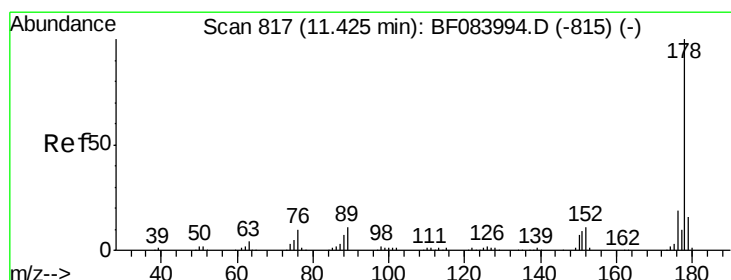
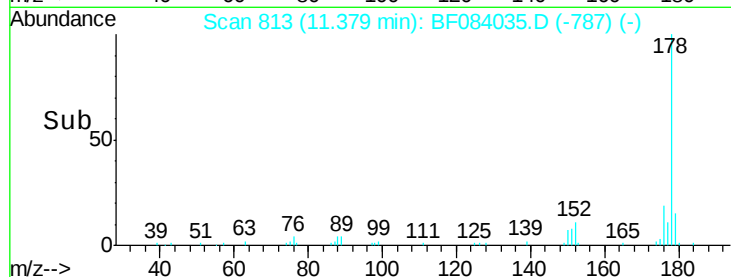
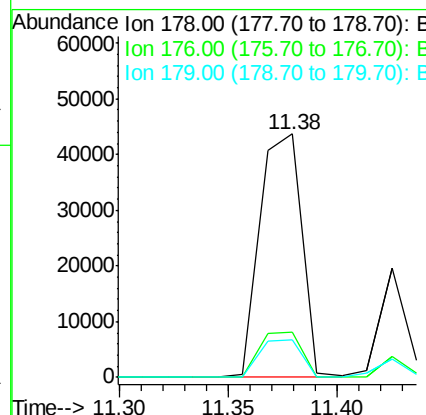
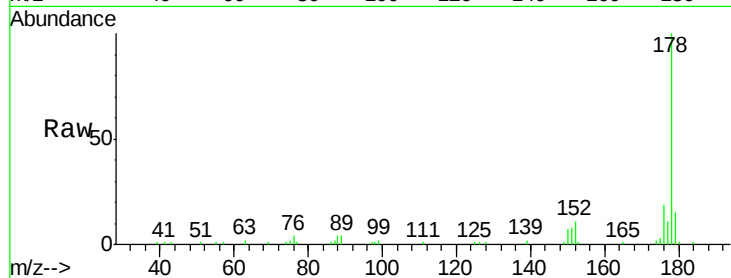
#70
Phenanthrene
Concen: 7.10 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	12.0	18.0

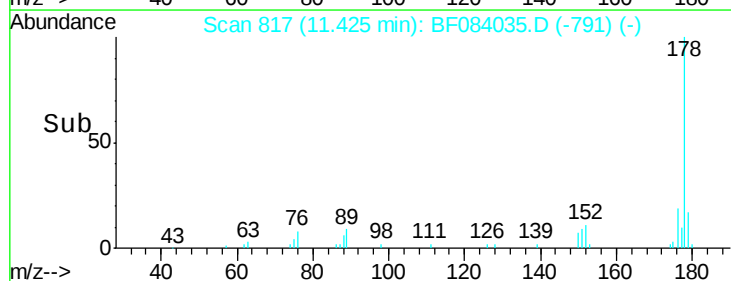
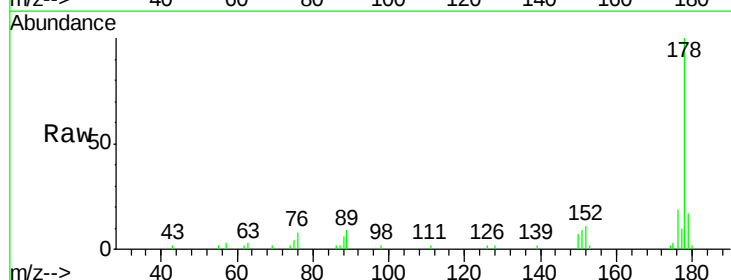
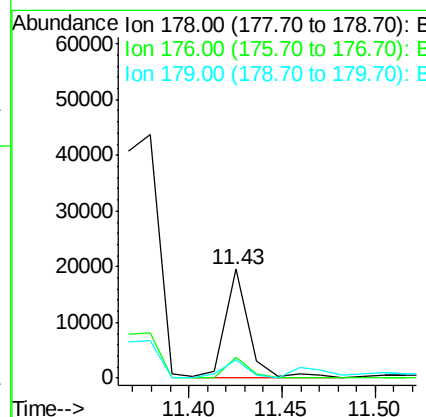
Manual Integrations
APPROVED

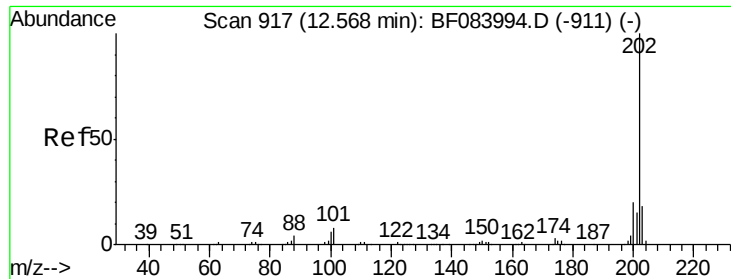
apatel
12/23/2015 4:32:58 PM



#71
Anthracene
Concen: 2.08 ng
RT: 11.43 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	16.7	12.5	18.7





#74

Fluoranthene

Concen: 15.03 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Instrument :

BNA_F

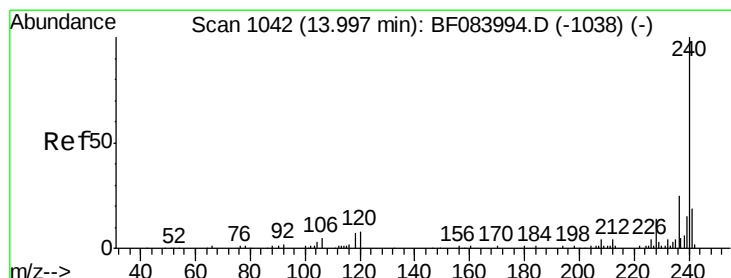
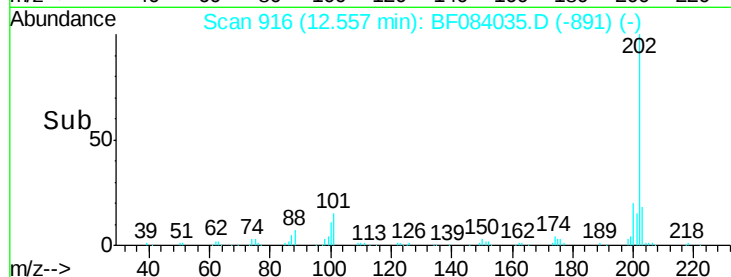
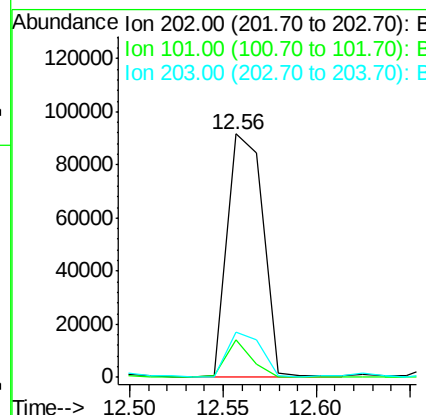
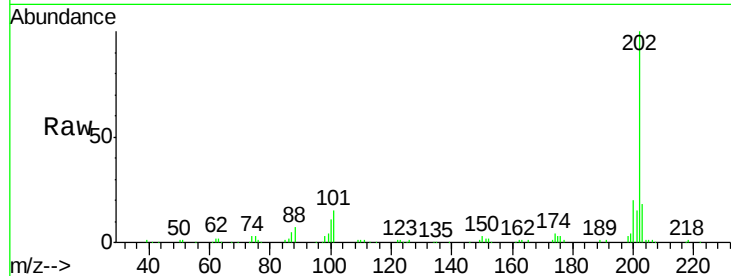
ClientSampleId :

AST-HC-EAST

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		124039		
101	15.3	0.0	32.8		
203	18.4	0.0	37.9		

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



#75

Chrysene-d12

Concen: 20.00 ng

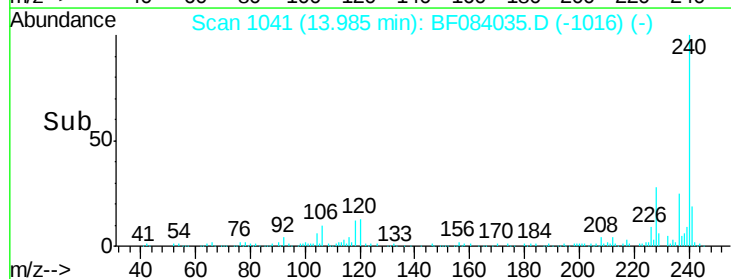
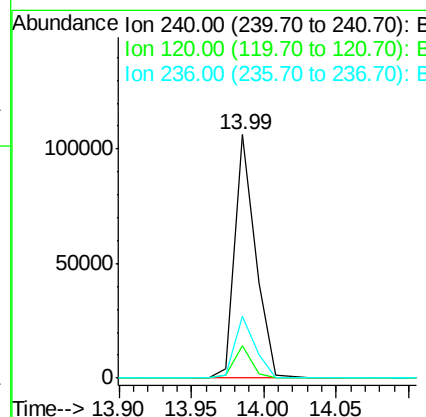
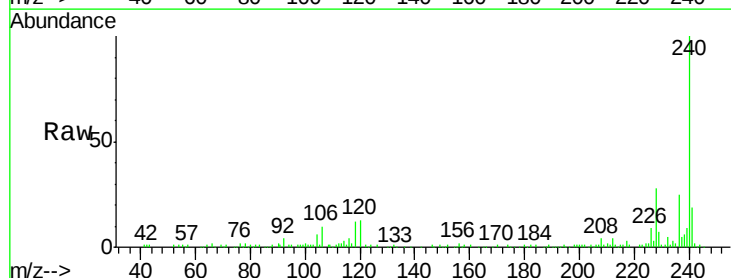
RT: 13.99 min Scan# 1041

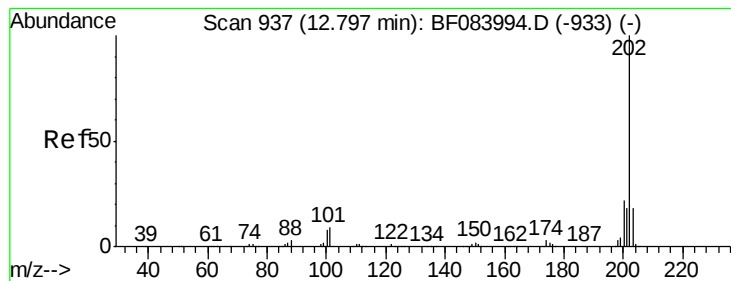
Delta R.T. -0.01 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		105532		
120	13.3	9.5	14.3		
236	25.3	20.6	31.0		





#77

Pvrene

Concen: 19.86 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Instrument :

BNA_F

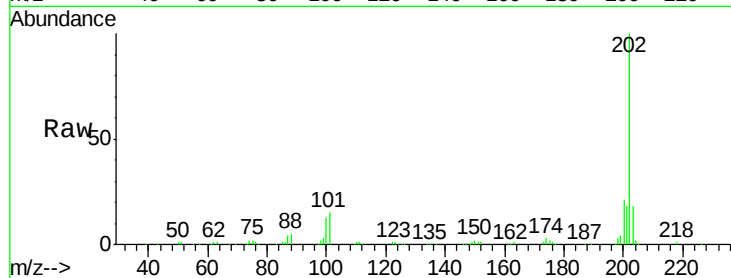
ClientSampleId :

AST-HC-EAST

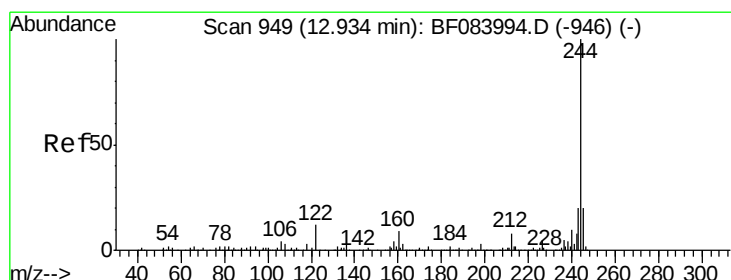
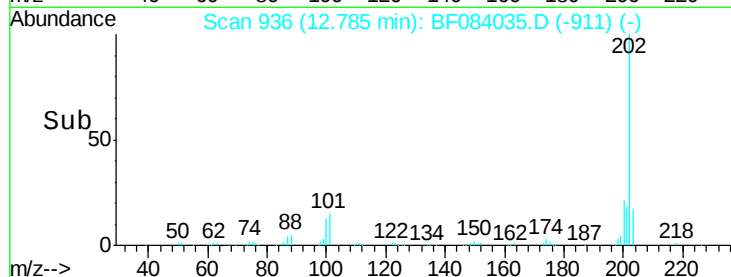
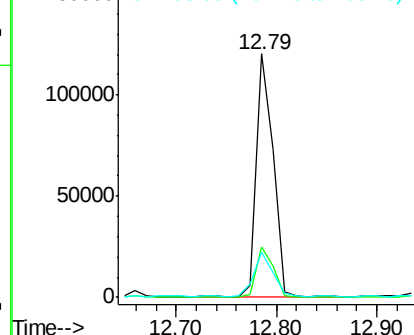
Tot Ion:	202	Resp:	142211
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.2	25.8
203	18.3	14.3	21.5

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 115.94 ng

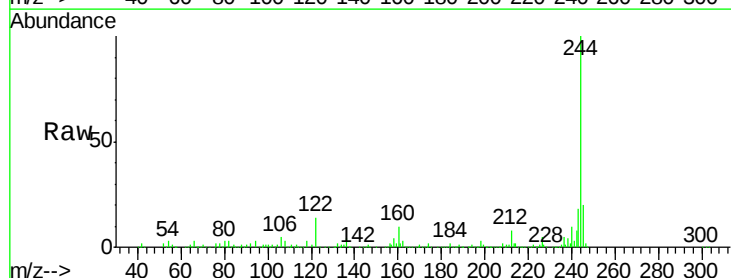
RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

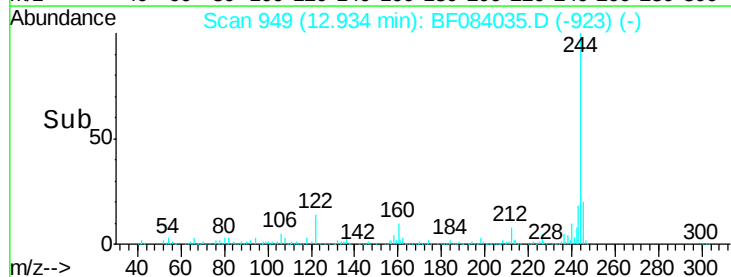
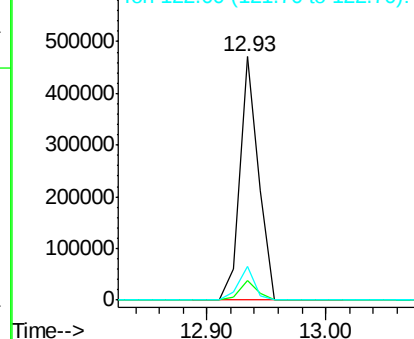
Lab File: BF084035.D

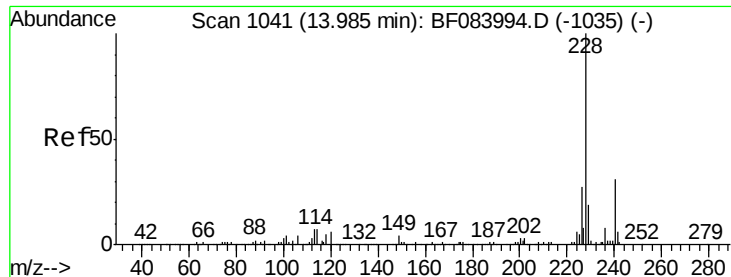
Acq: 23 Dec 2015 13:08

Tgt Ion:	244	Resp:	513046
Ion Ratio		Lower	Upper
244	100		
212	7.9	5.7	8.5
122	13.7	7.4	11.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





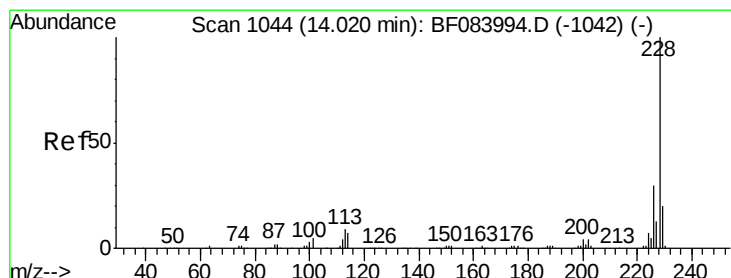
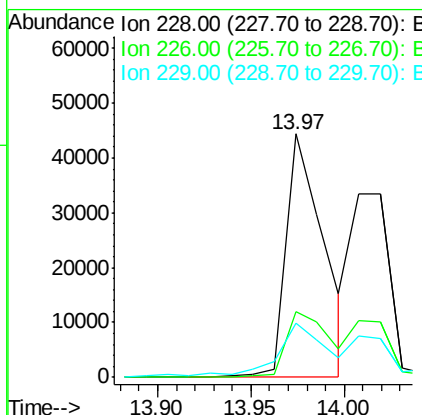
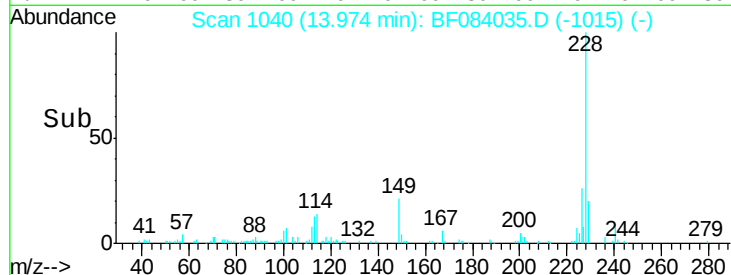
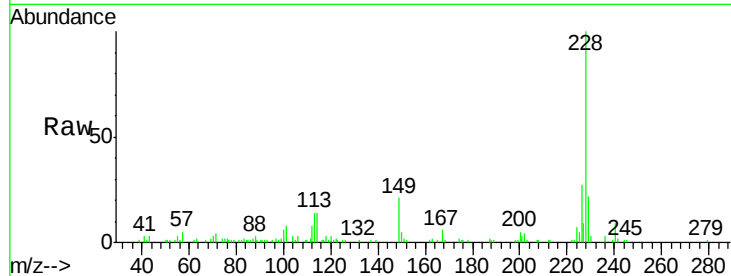
#80
Benzo(a)anthracene
Concen: 10.36 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.6
229	22.2	15.8	23.8

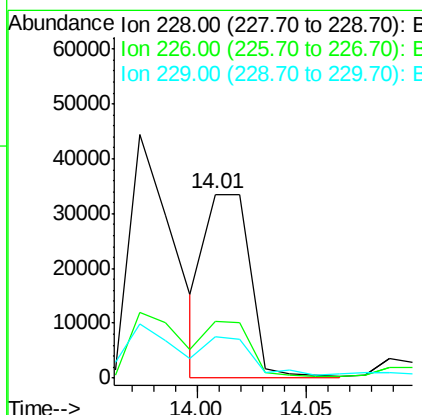
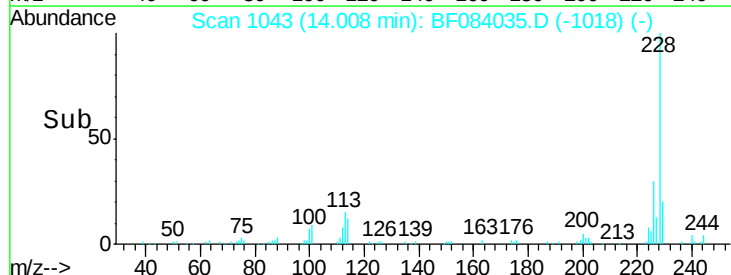
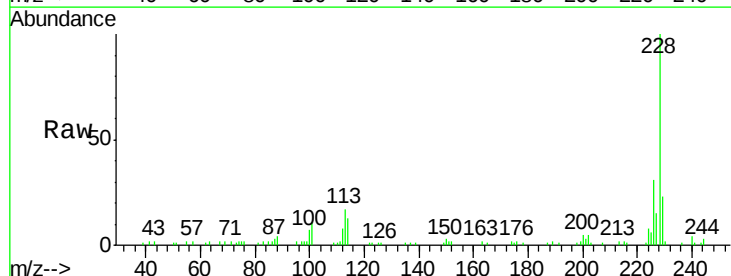
Manual Integrations
APPROVED

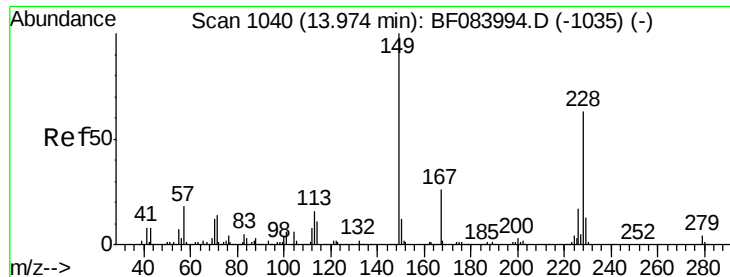
apatel
12/23/2015 4:32:58 PM



#82
Chrysene
Concen: 8.54 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.3	36.5
229	22.7	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.20 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Instrument :

BNA_F

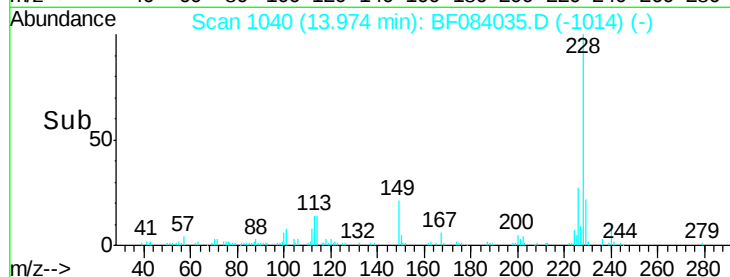
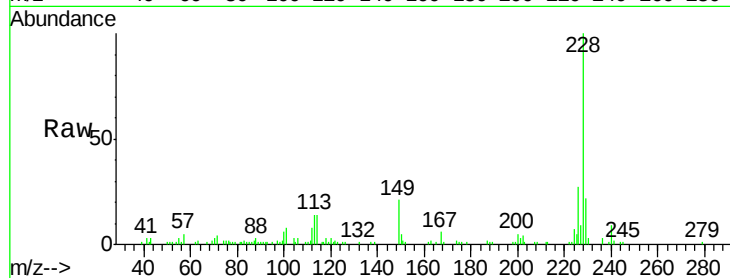
ClientSampleId :

AST-HC-EAST

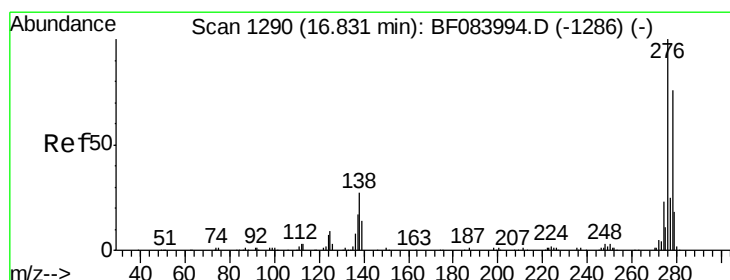
Tot Ion:	149	Resp:	10042
Ion Ratio		Lower	Upper
149	100		
167	27.4	19.7	29.5
279	3.6	1.8	2.6

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



Time--> 13.90 13.95 14.00 14.05



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.13 ng

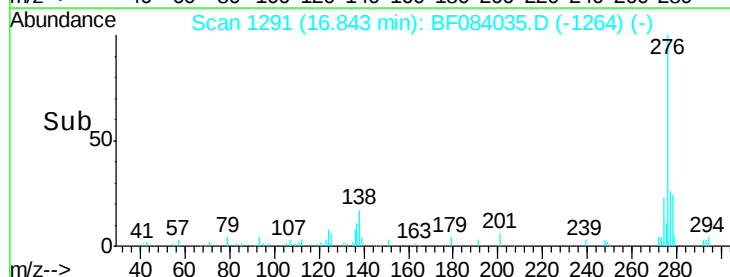
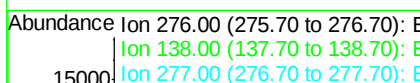
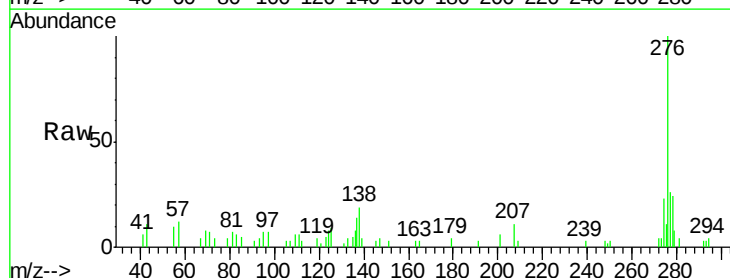
RT: 16.84 min Scan# 1291

Delta R.T. 0.01 min

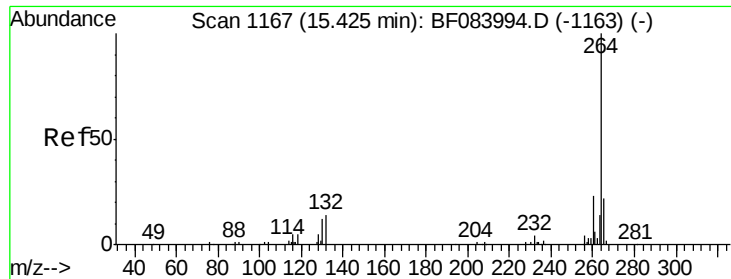
Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Tgt Ion:	276	Resp:	28650
Ion Ratio		Lower	Upper
276	100		
138	25.6	20.6	30.8
277	25.0	20.1	30.1



Time--> 16.70 16.80 16.90 17.00



#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Instrument :

BNA_F

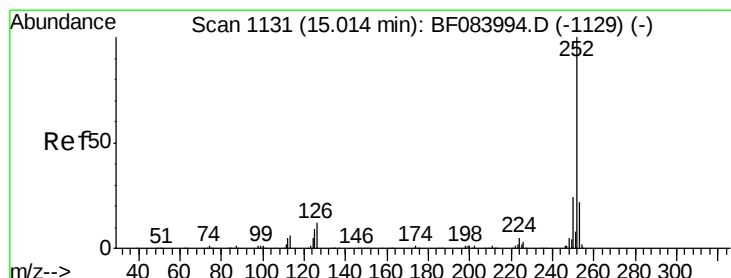
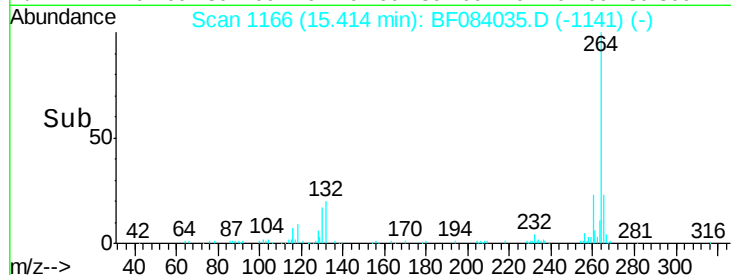
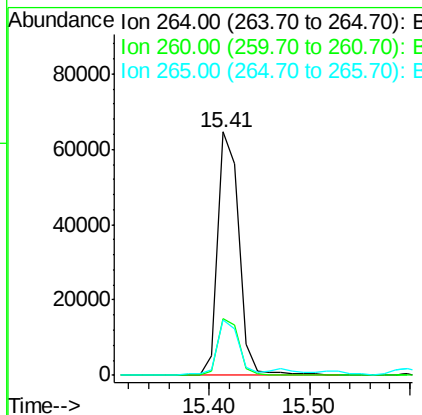
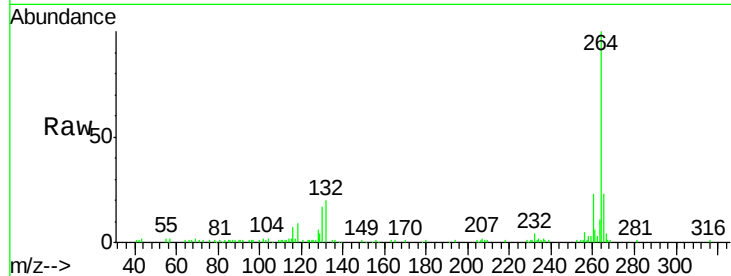
ClientSampleId :

AST-HC-EAST

Tot Ion:	264	Resp:	94624
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.4	29.2
265	22.7	17.8	26.6

Manual Integrations
APPROVED

apatel
12/23/2015 4:32:58 PM



#87

Benzo(b)fluoranthene

Concen: 10.10 ng m

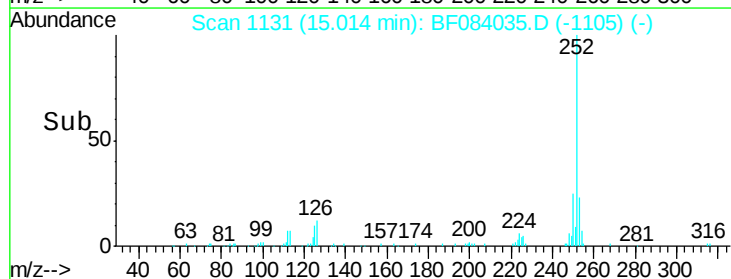
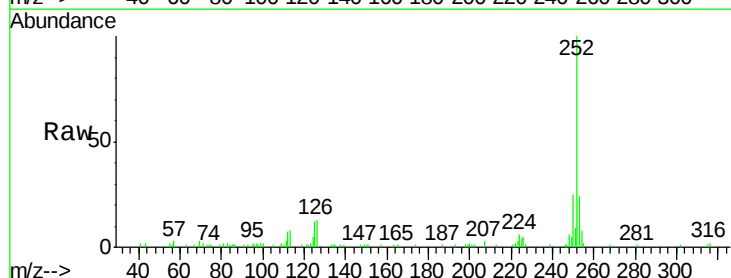
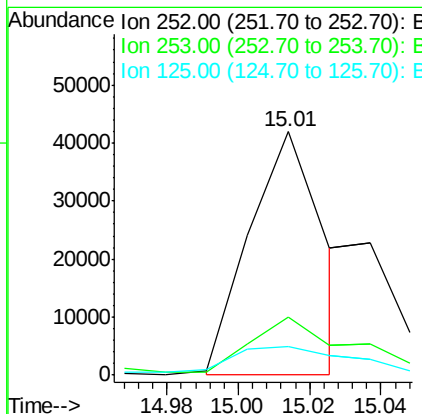
RT: 15.01 min Scan# 1131

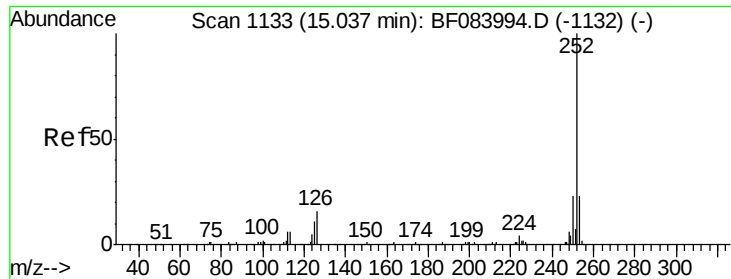
Delta R.T. 0.00 min

Lab File: BF084035.D

Acq: 23 Dec 2015 13:08

Tgt Ion:	252	Resp:	60258
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.3	25.9
125	11.7	6.5	9.7#





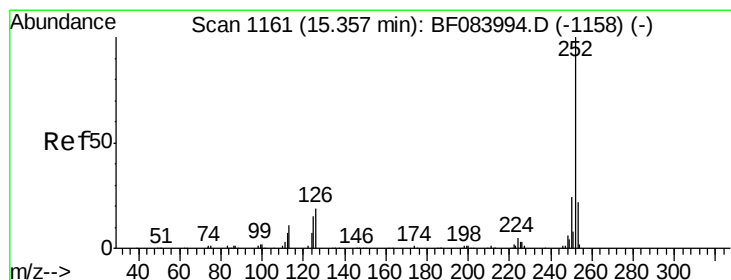
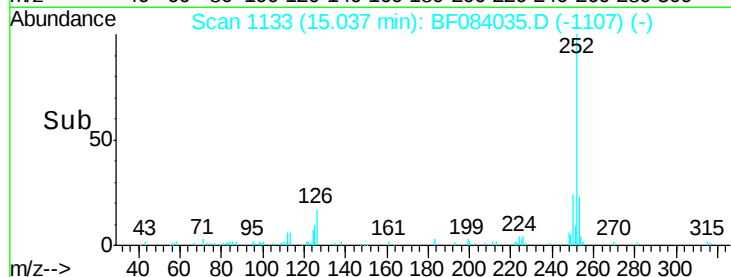
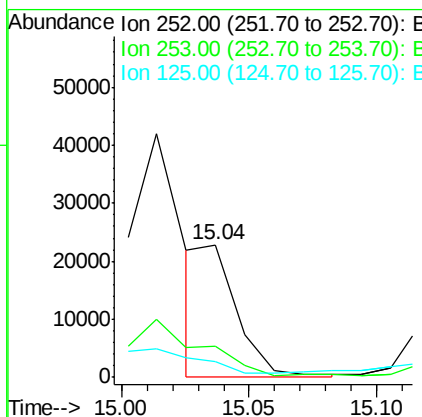
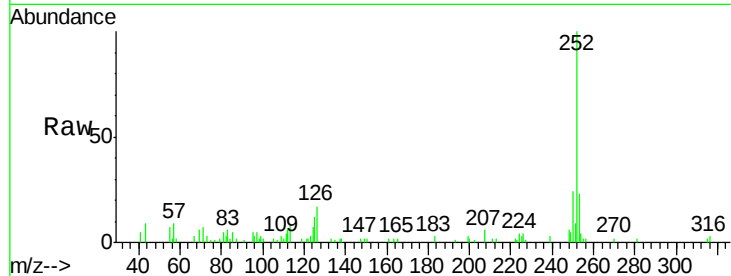
#88
Benzo(k)fluoranthene
Concen: 3.94 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Instrument :
BNA_F
ClientSampleId :
AST-HC-EAST

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.3	9.0	13.6

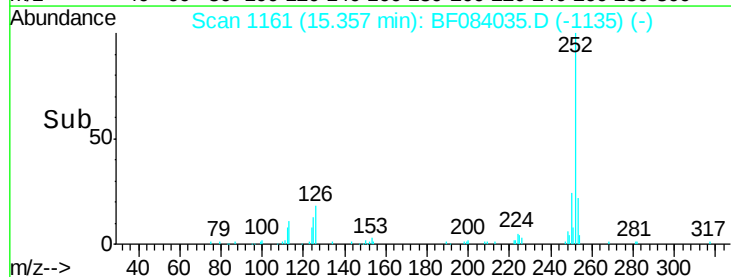
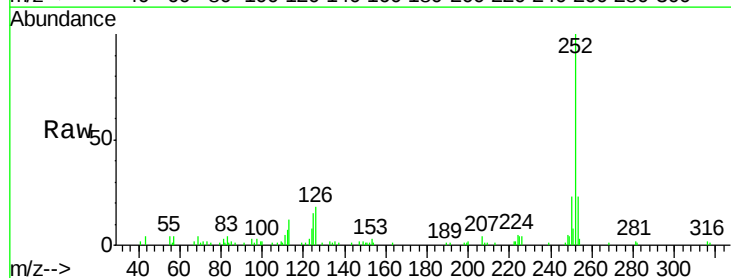
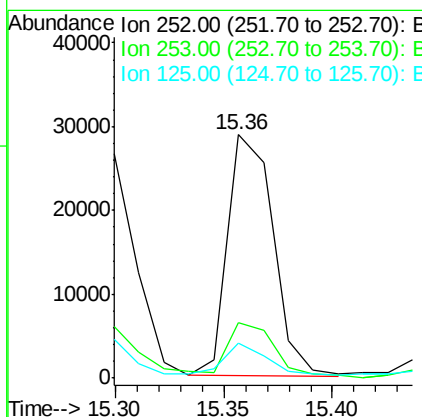
Manual Integrations
APPROVED

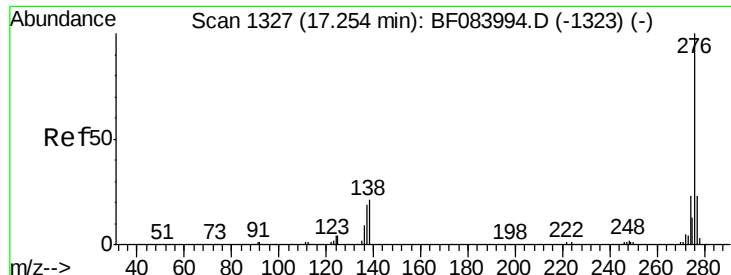
apatel
12/23/2015 4:32:58 PM



#89
Benzo(a)pyrene
Concen: 7.62 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF084035.D
Acq: 23 Dec 2015 13:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	14.6	7.0	10.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.82 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF084035.D
 Acq: 23 Dec 2015 13:08

Instrument :
 BNA_F
 ClientSampleId :
 AST-HC-EAST

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	22.8	17.8	26.6

Manual Integrations
 APPROVED

apatel
 12/23/2015 4:32:58 PM

