

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088339.D
 Acq On : 24 Jun 2016 18:53
 Operator : UM/SJ
 Sample : H3599-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:11:57 PM

Quant Time: Jun 25 04:14:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 25 04:10:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	82982m	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	321623	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	145564	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	255657	20.00	ng	0.00
75) Chrysene-d12	13.73	240	174006	20.00	ng	0.00
86) Perylene-d12	15.07	264	177434	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	435545	89.73	ng	0.01
7) Phenol-d6	6.25	99	576565	98.01	ng	-0.01
23) Nitrobenzene-d5	7.15	82	362120	65.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	121102	78.79	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	595443	62.81	ng	-0.01
78) Terphenyl-d14	12.67	244	364923	47.72	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.47	152	66854	4.46	ng	99
49) Dimethylphthalate	9.35	163	111703	10.59	ng	99
70) Phenanthrene	11.12	178	254847	19.00	ng	98
71) Anthracene	11.16	178	76777	5.67	ng	97
72) Carbazole	11.34	167	29934	2.36	ng	99
74) Fluoranthene	12.30	202	456528	32.25	ng	98
77) Pyrene	12.52	202	384258	29.76	ng	99
80) Benzo(a)anthracene	13.71	228	214465	21.63	ng	93
82) Chrysene	13.75	228	210493m	22.56	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	98566	11.37	ng	# 100
87) Benzo(b)fluoranthene	14.72	252	320028m	25.88	ng	
88) Benzo(k)fluoranthene	14.73	252	76975m	8.25	ng	
89) Benzo(a)pyrene	15.03	252	153627m	15.35	ng	
90) Dibenzo(a,h)anthracene	16.33	278	27650m	2.98	ng	
91) Benzo(g,h,i)perylene	16.70	276	77368	8.09	ng	97

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

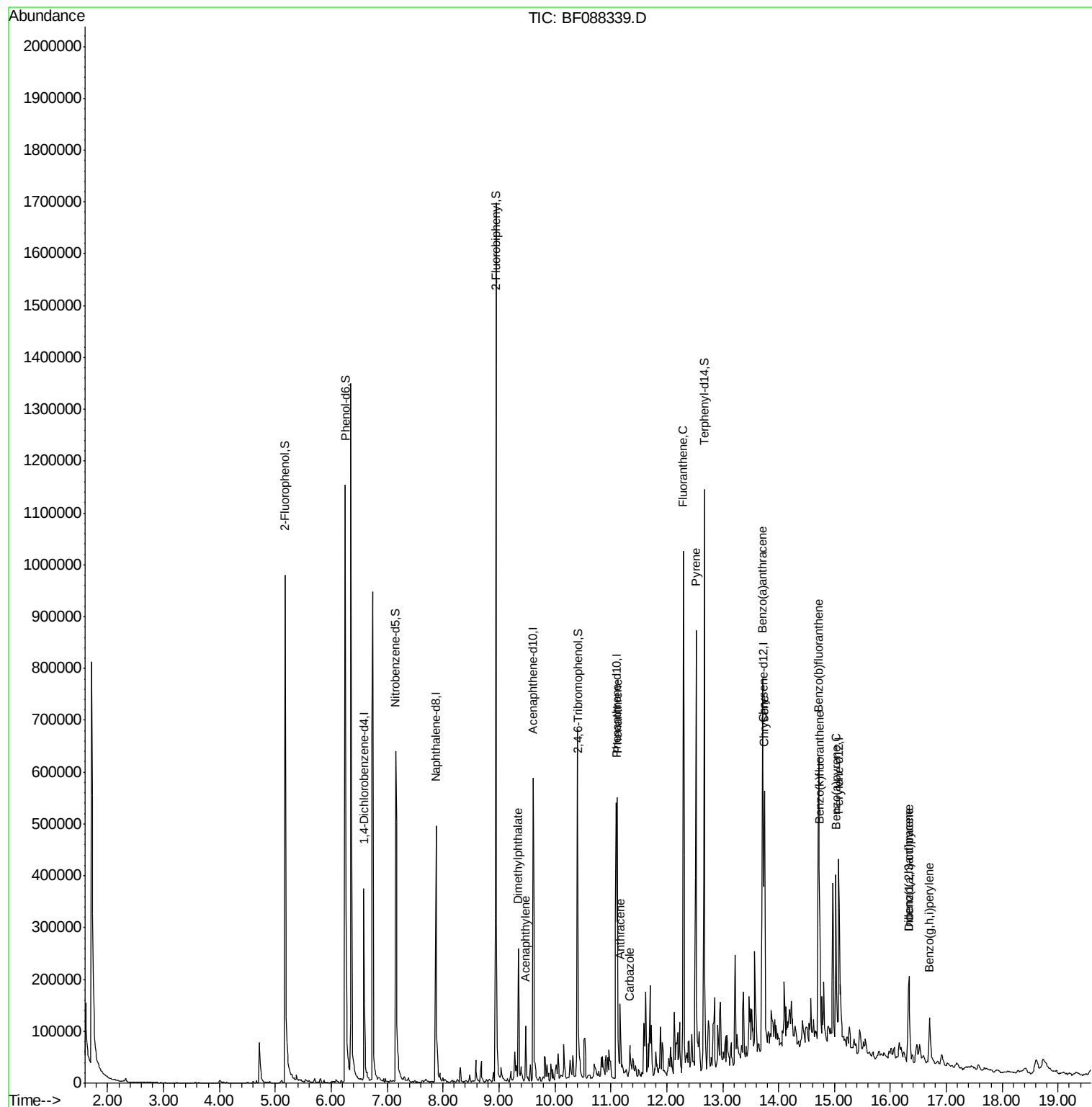
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
Data File : BF088339.D
Acq On : 24 Jun 2016 18:53
Operator : UM/SJ
Sample : H3599-08
Misc :
ALS Vial : 9 Sample Multiplier: 1

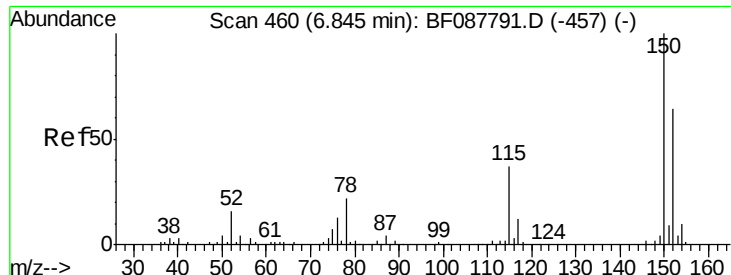
Instrument :
BNA_F
ClientSampleId :
PM-STA-1412(0-4)

Manual Integrations
APPROVED

sohil
6/27/2016 8:11:57 PM

Quant Time: Jun 25 04:14:01 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 25 04:10:42 2016
Response via : Initial Calibration





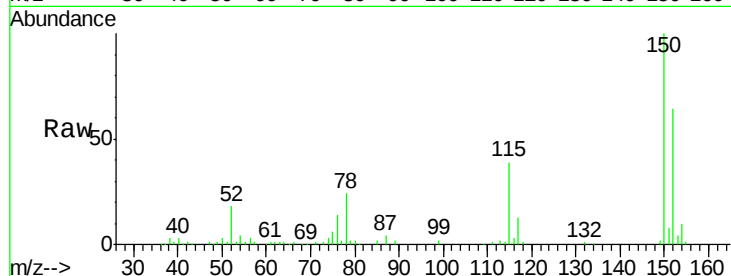
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng m
 RT: 6.58 min Scan# 437
 Delta R.T. -0.00 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

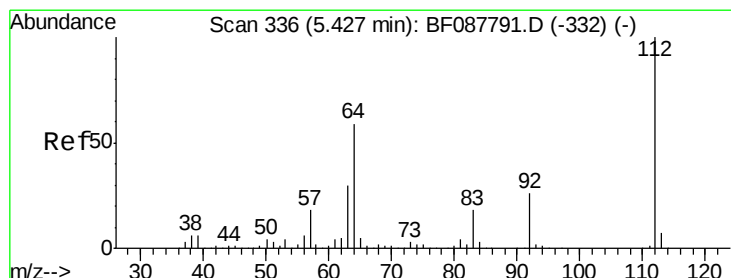
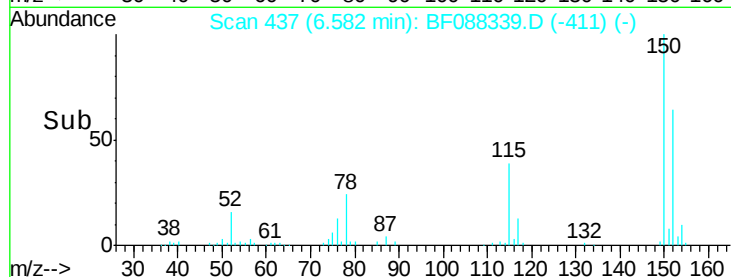
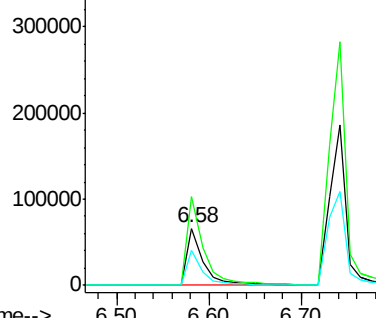
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.8	185.6
115	61.2	39.6	59.4

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:11:57 PM

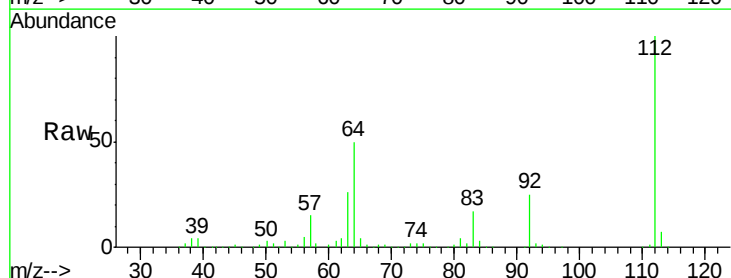


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

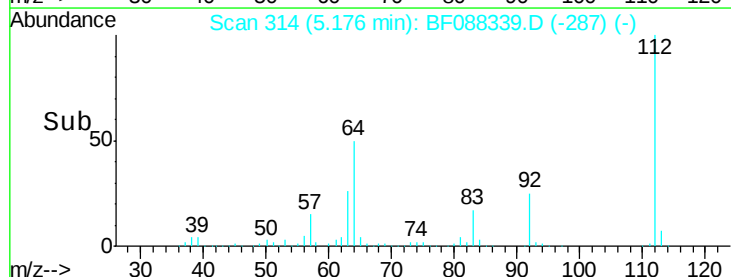
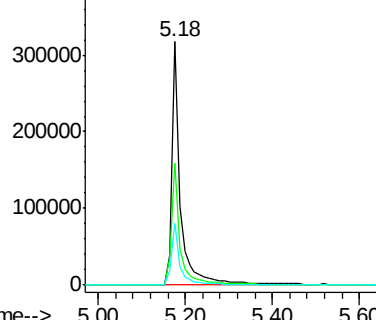


#5
 2-Fluorophenol
 Concen: 89.73 ng
 RT: 5.18 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	42.2	63.2
63	25.7	21.8	32.8



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: 98.01 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088339.D

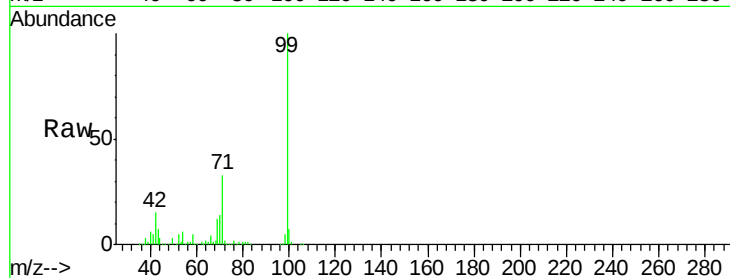
Acq: 24 Jun 2016 18:53

Instrument :

BNA_F

ClientSampleId :

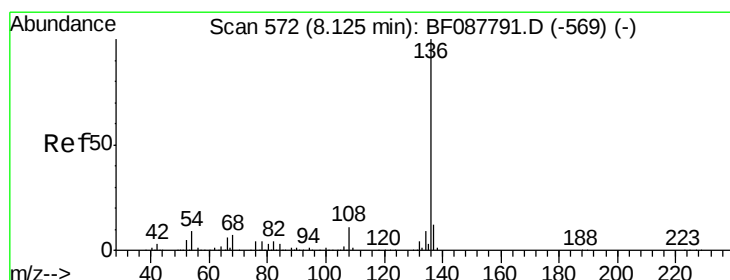
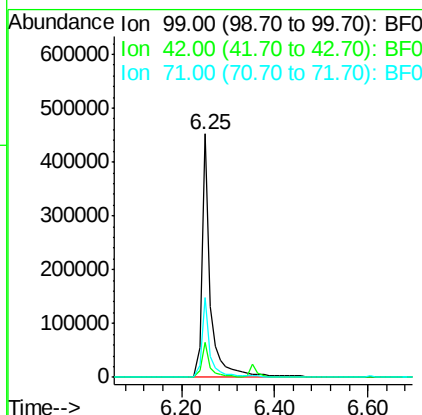
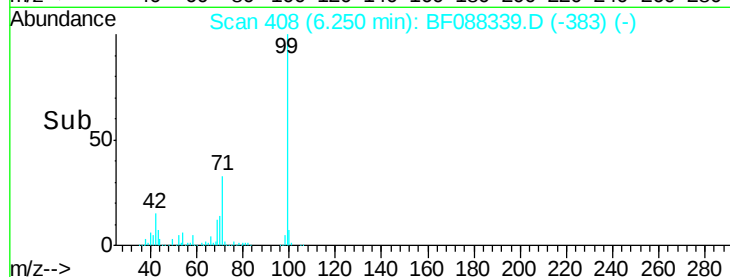
PM-STA-1412(0-4)



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		576565		
42	14.6	12.2	18.2		
71	33.0	23.4	35.0		

Manual Integrations
APPROVED

sohil
6/27/2016 8:11:57 PM



#21

Naphthalene-d8

Concen: 20.00 ng

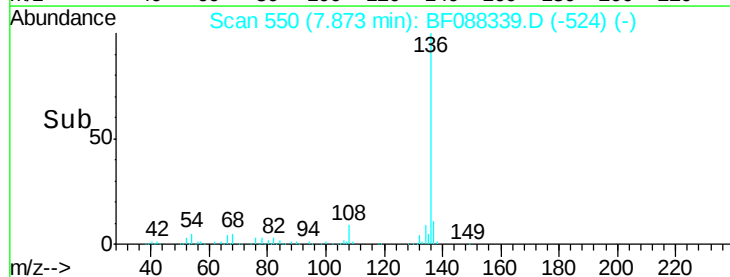
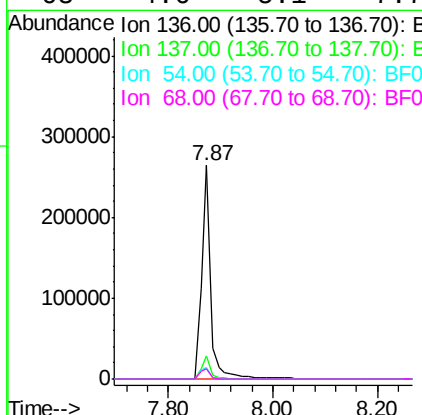
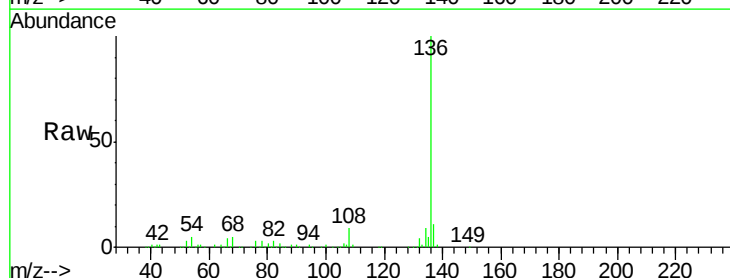
RT: 7.87 min Scan# 550

Delta R.T. -0.00 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		321623		
137	10.7	9.1	13.7		
54	5.4	6.6	10.0#		
68	4.6	5.1	7.7#		





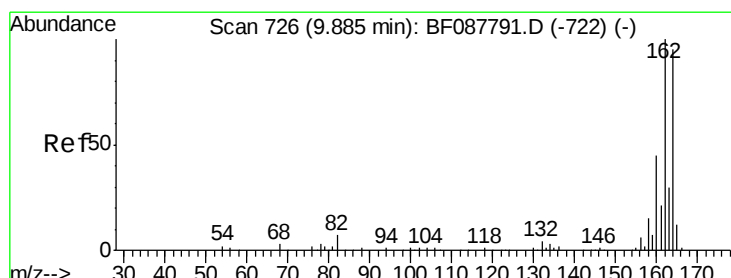
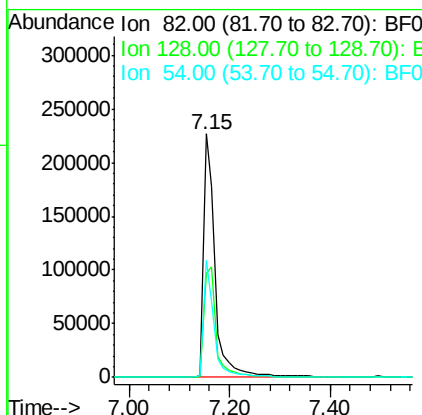
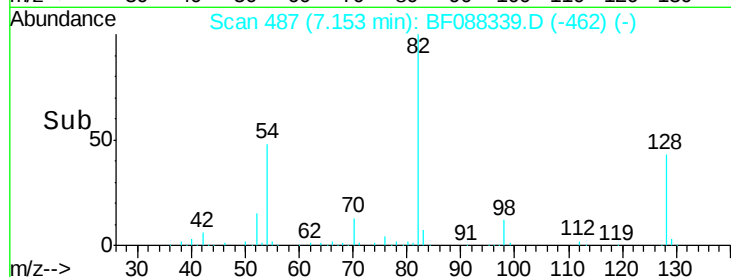
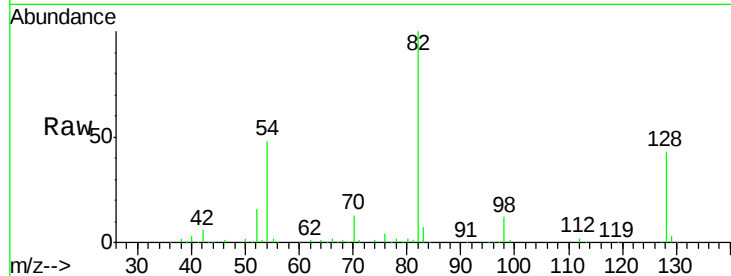
#23
 Nitrobenzene-d5
 Concen: 65.75 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	35.9	53.9
54	47.8	40.9	61.3

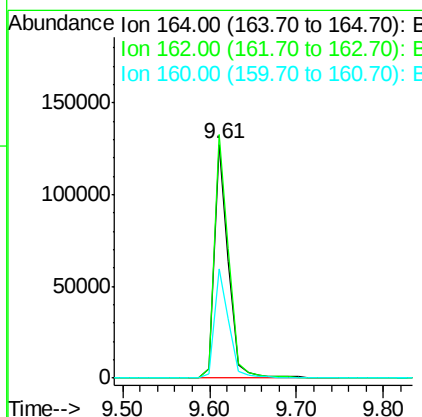
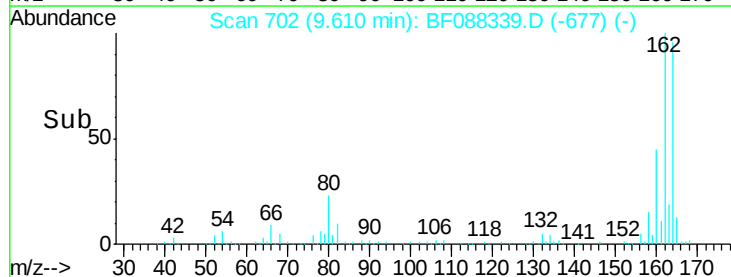
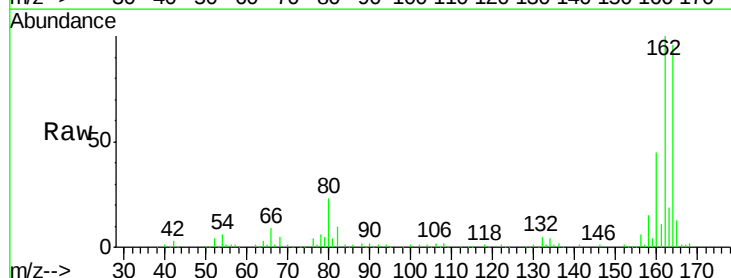
Manual Integrations
 APPROVED

sohil
 6/27/2016 8:11:57 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.4	128.2
160	46.6	39.5	59.3





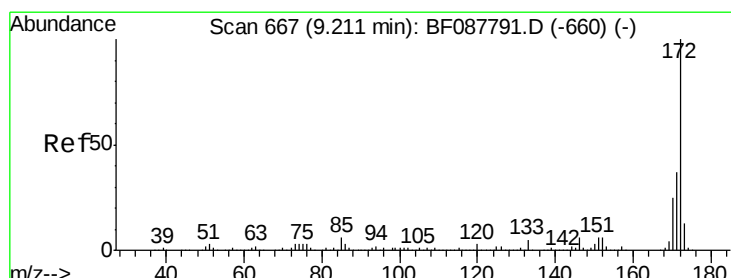
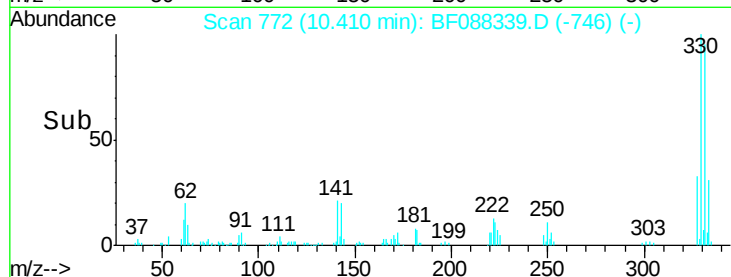
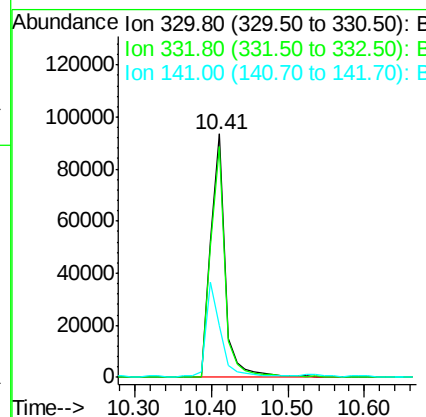
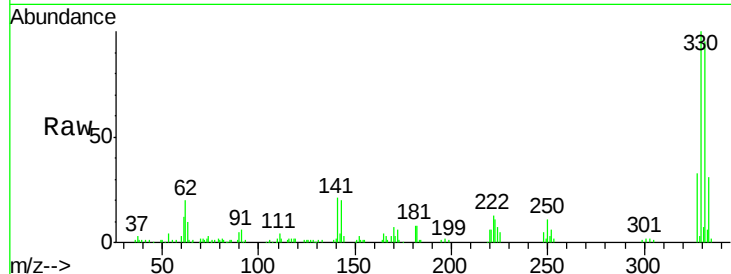
#41
 2,4,6-Tribromophenol
 Concen: 78.79 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	39.5	0.0	0.0#

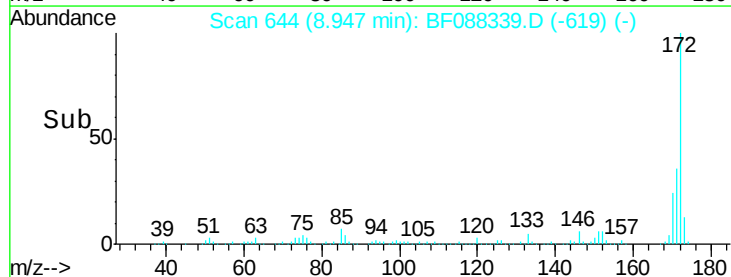
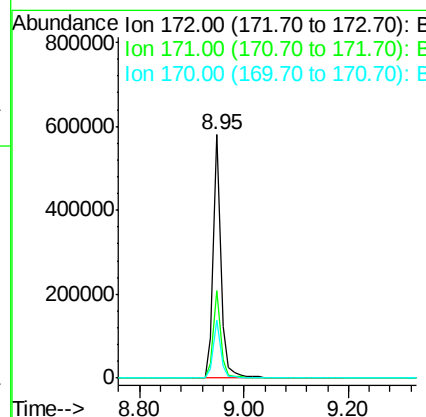
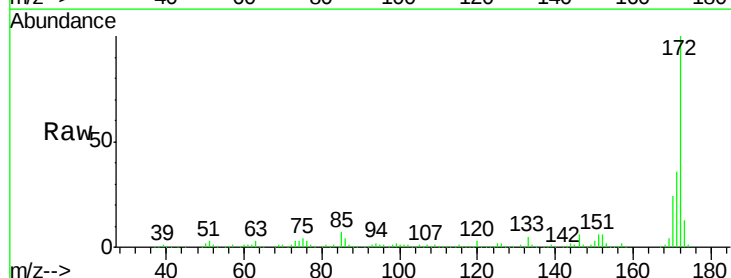
Manual Integrations
 APPROVED

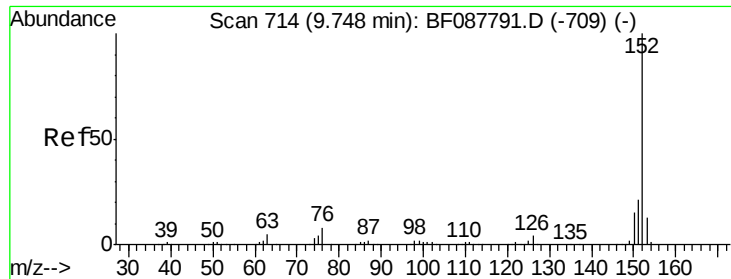
sohil
 6/27/2016 8:11:57 PM



#44
 2-Fluorobiphenyl
 Concen: 62.81 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8





#48

Acenaphthylene

Concen: 4.46 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088339.D

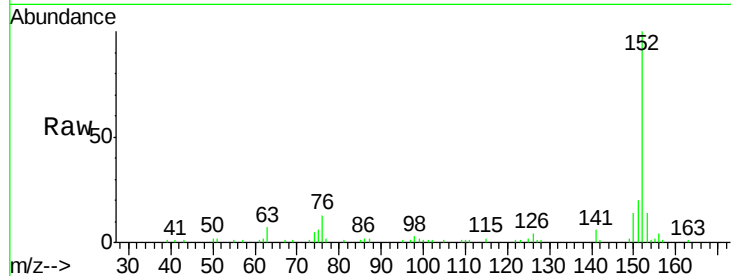
Acq: 24 Jun 2016 18:53

Instrument :

BNA_F

ClientSampleId :

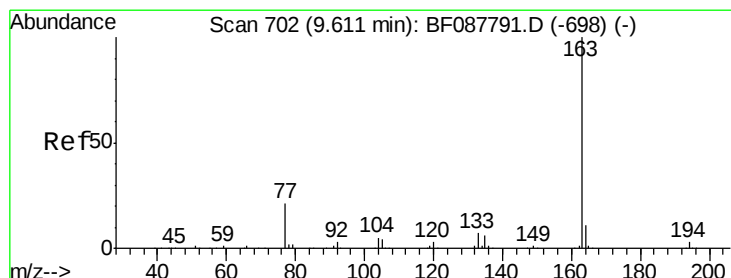
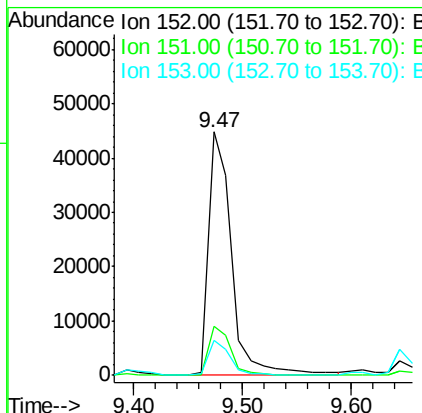
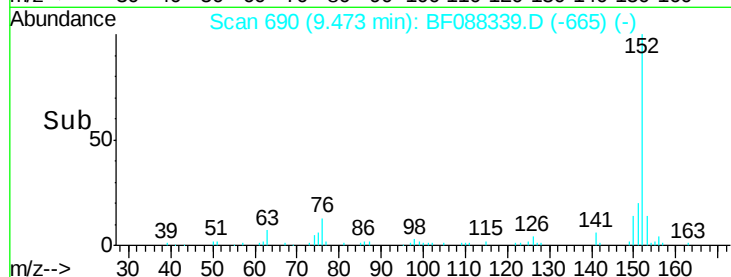
PM-STA-1412(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	14.2	11.0	16.6

Manual Integrations
APPROVED

sohil
6/27/2016 8:11:57 PM



#49

Dimethylphthalate

Concen: 10.59 ng

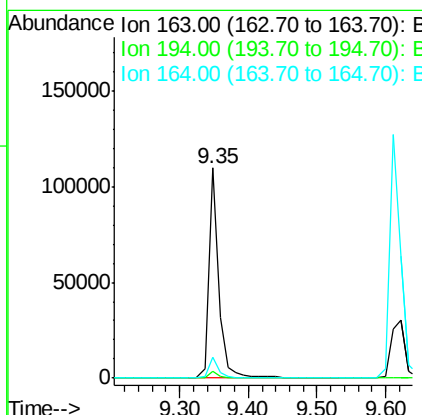
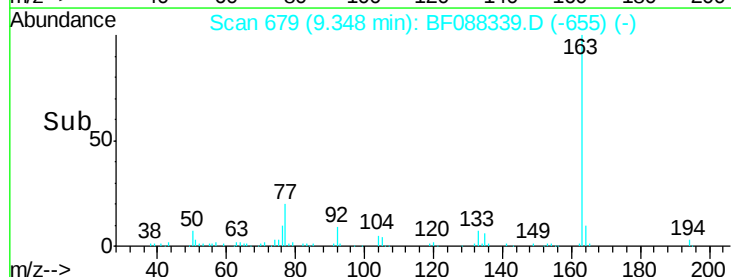
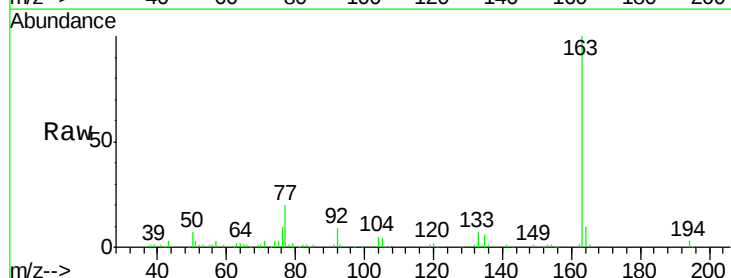
RT: 9.35 min Scan# 679

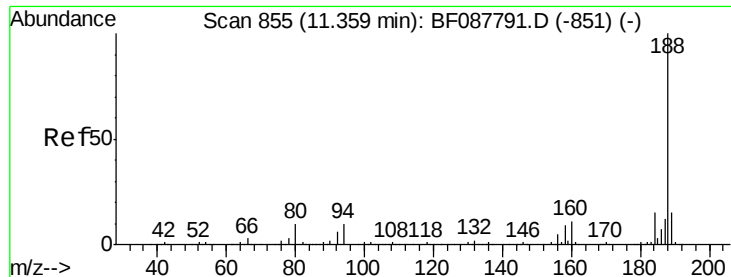
Delta R.T. -0.02 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.3	8.3	12.5





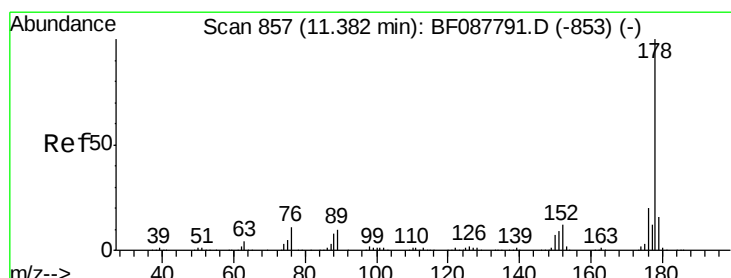
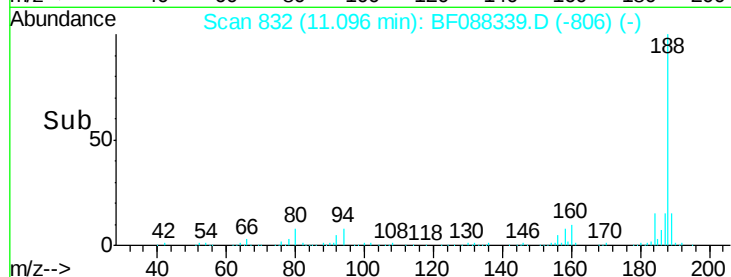
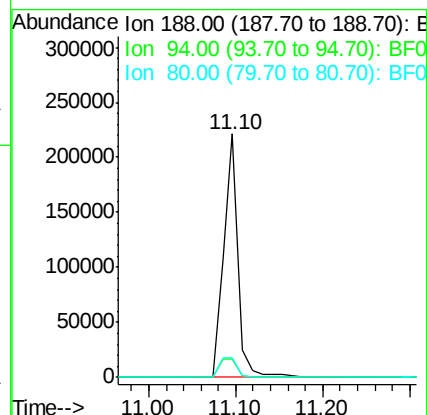
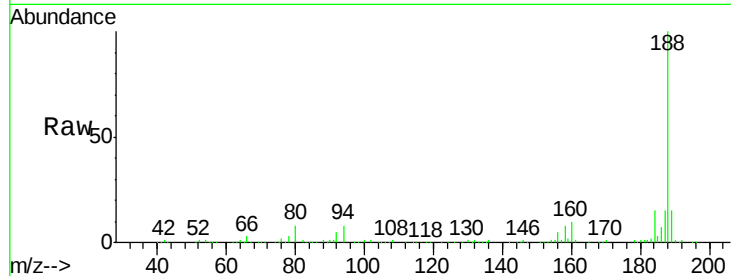
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.00 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Instrument :
BNA_F
ClientSampleId :
PM-STA-1412(0-4)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	255657		
94	7.7	9.0	13.6#	
80	7.9	10.0	15.0#	

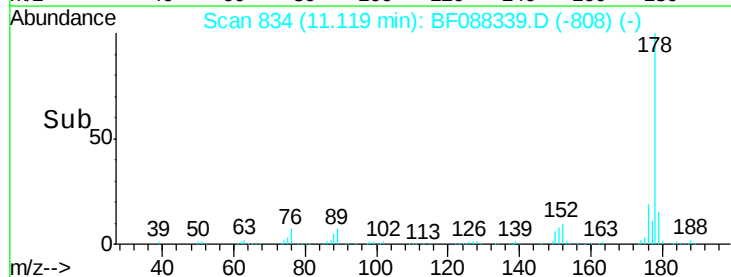
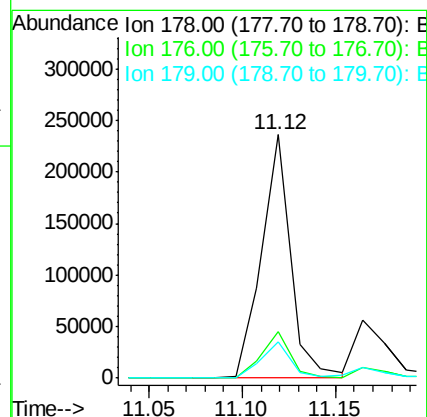
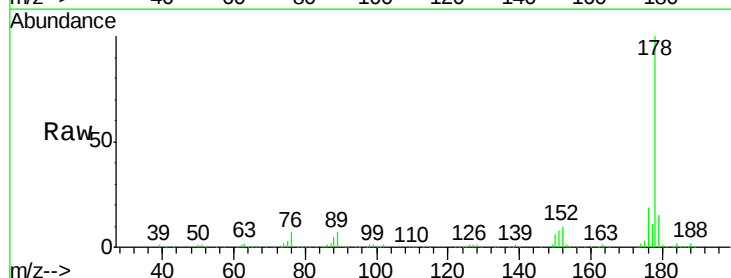
Manual Integrations
APPROVED

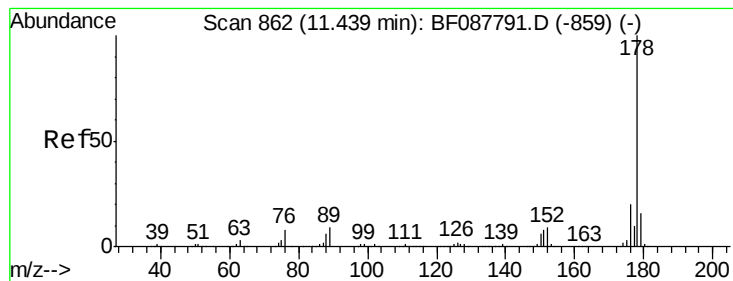
sohil
6/27/2016 8:11:57 PM



#70
Phenanthrene
Concen: 19.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	254847		
176	19.0	15.8	23.6	
179	15.1	13.0	19.4	





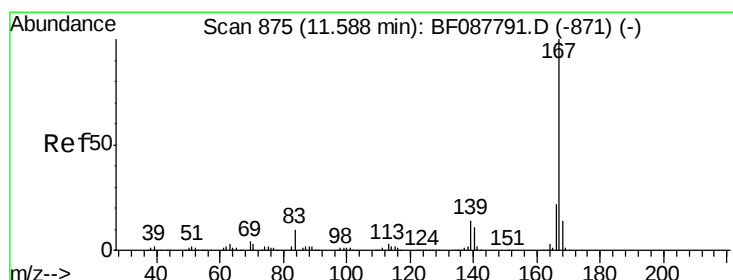
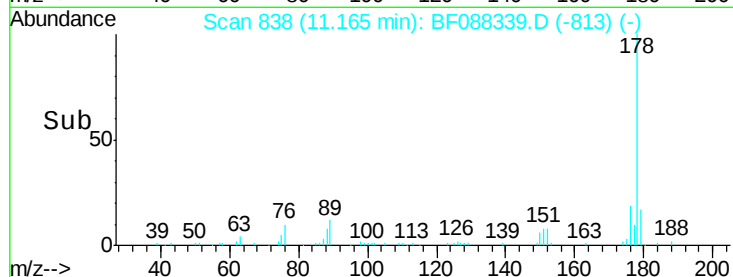
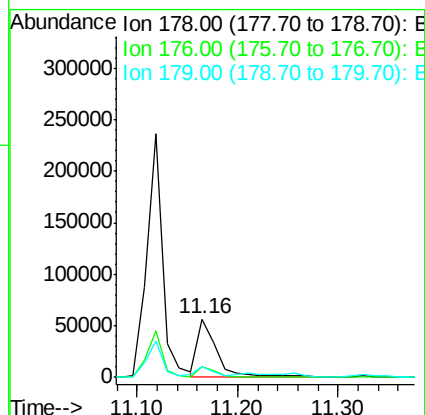
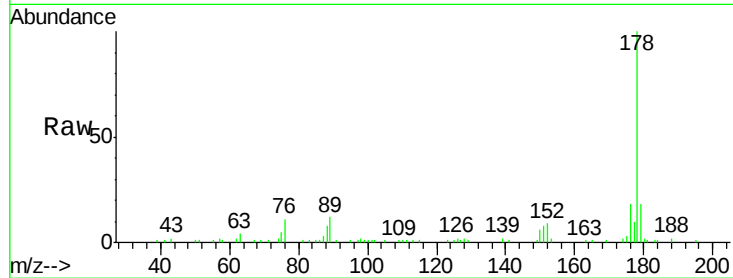
#71
 Anthracene
 Concen: 5.67 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Tgt Ion:178 Resp: 76777
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 17.5 12.8 19.2

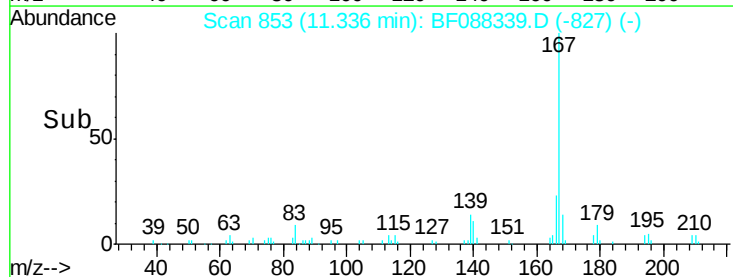
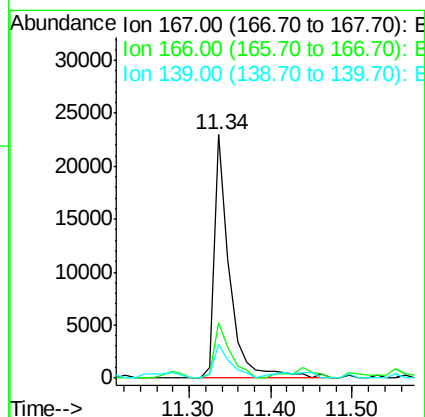
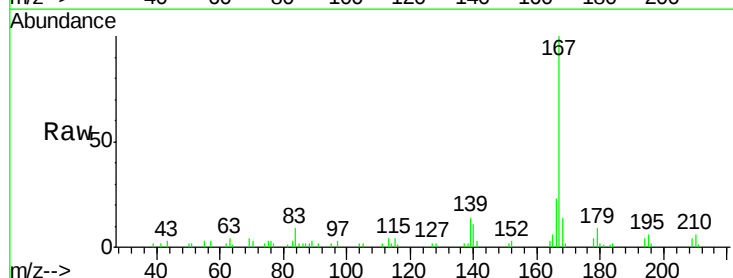
Manual Integrations
 APPROVED

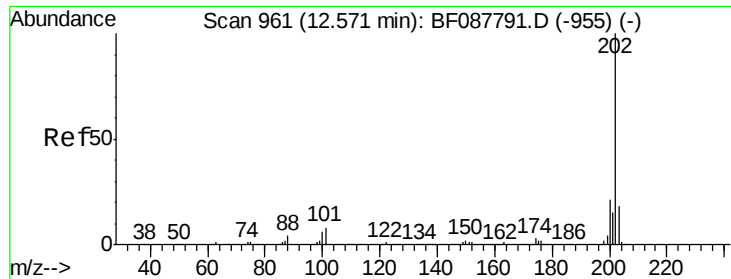
sohil
 6/27/2016 8:11:57 PM



#72
 Carbazole
 Concen: 2.36 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.00 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Tgt Ion:167 Resp: 29934
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.8 26.6
 139 14.0 11.2 16.8





#74

Fluoranthene

Concen: 32.25 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF088339.D

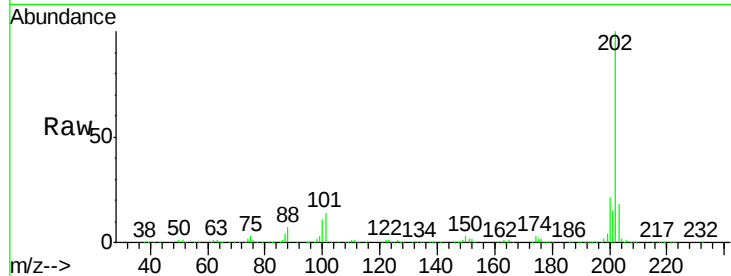
Acq: 24 Jun 2016 18:53

Instrument :

BNA_F

ClientSampleId :

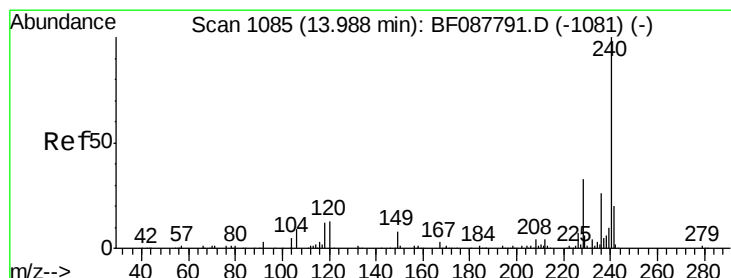
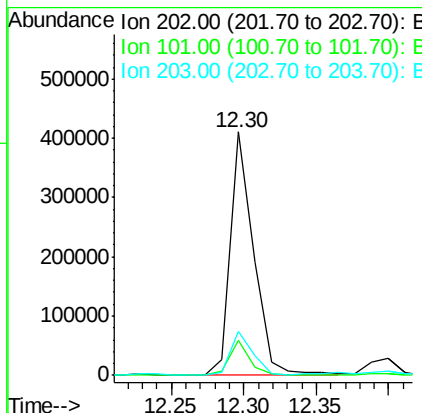
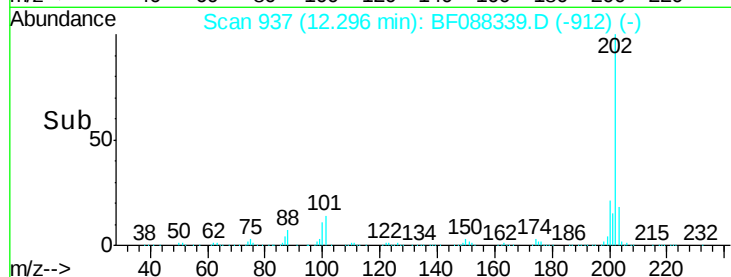
PM-STA-1412(0-4)



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	456528		
101	14.5	0.0	33.1	
203	17.9	0.0	38.1	

Manual Integrations
APPROVED

sohil
6/27/2016 8:11:57 PM



#75

Chrysene-d12

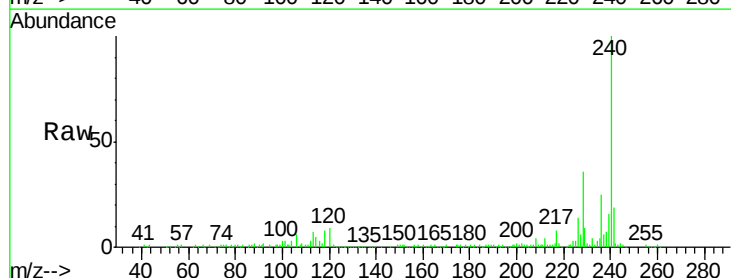
Concen: 20.00 ng

RT: 13.73 min Scan# 1062

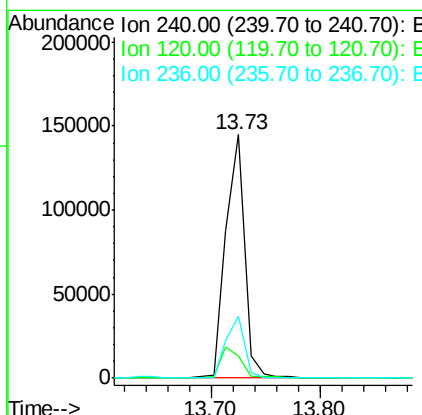
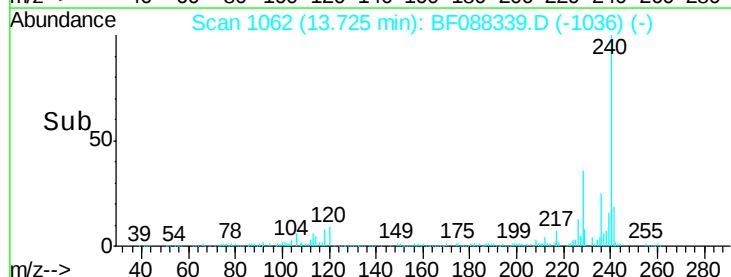
Delta R.T. -0.00 min

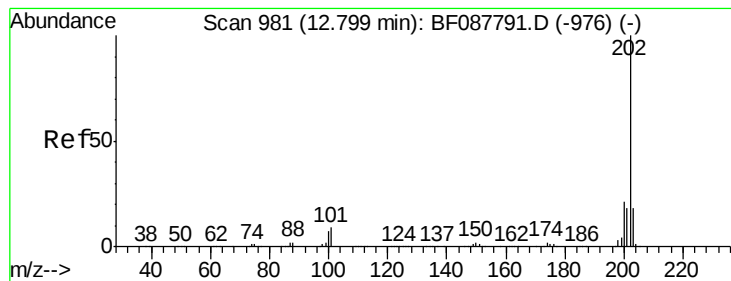
Lab File: BF088339.D

Acq: 24 Jun 2016 18:53



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	174006		
120	9.0	6.8	10.2	
236	25.4	20.2	30.2	





#77

Pyrene

Concen: 29.76 ng

RT: 12.52 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

Instrument :

BNA_F

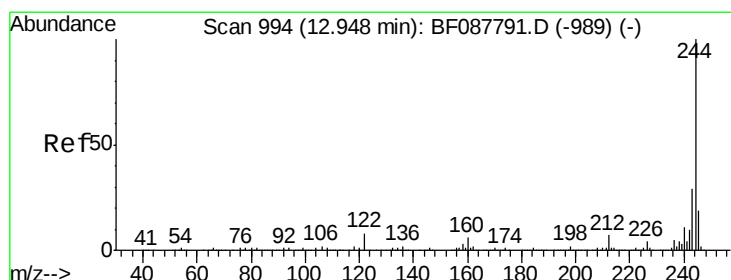
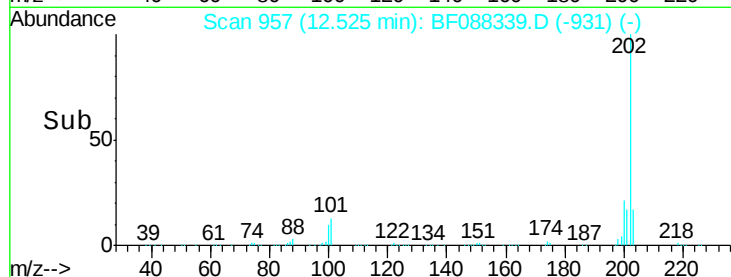
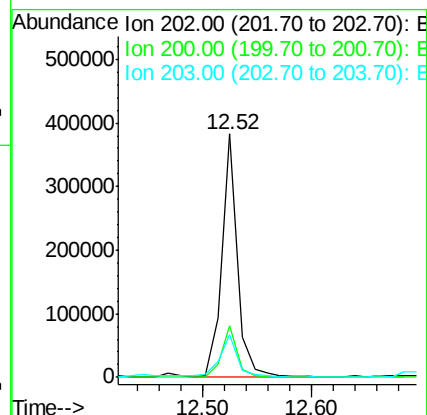
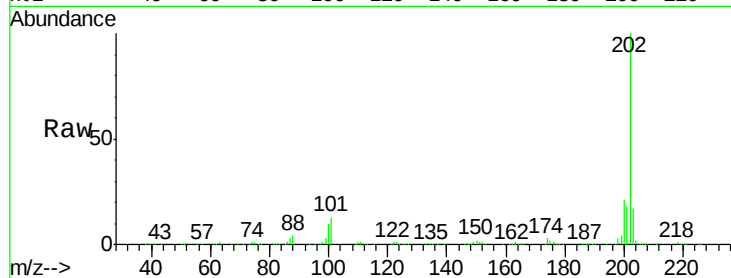
ClientSampleId :

PM-STA-1412(0-4)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		384258		
200	21.2	17.4	26.2		
203	17.5	14.5	21.7		

Manual Integrations
APPROVED

sohil
6/27/2016 8:11:57 PM



#78

Terphenyl-d14

Concen: 47.72 ng

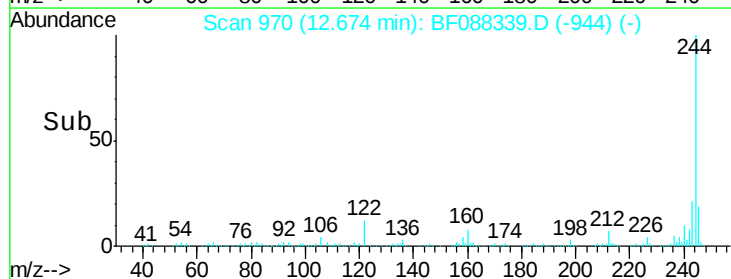
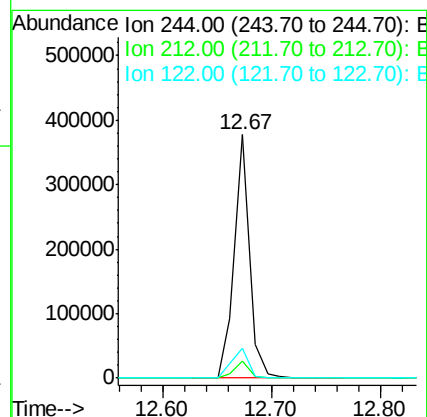
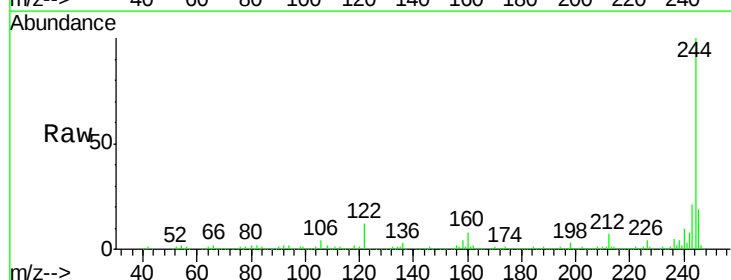
RT: 12.67 min Scan# 970

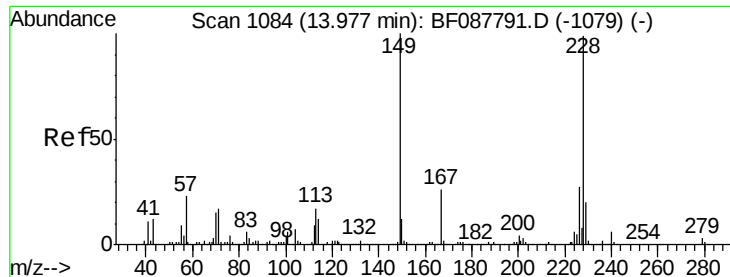
Delta R.T. -0.00 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		364923		
212	7.1	6.0	9.0		
122	12.5	11.2	16.8		





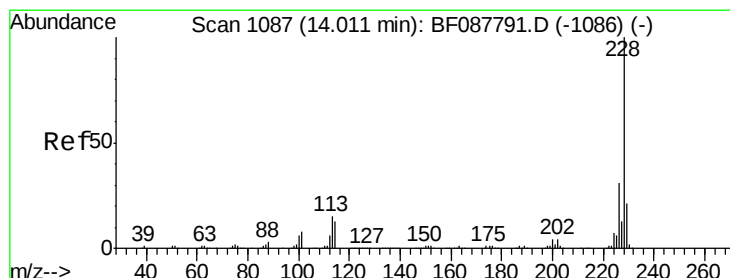
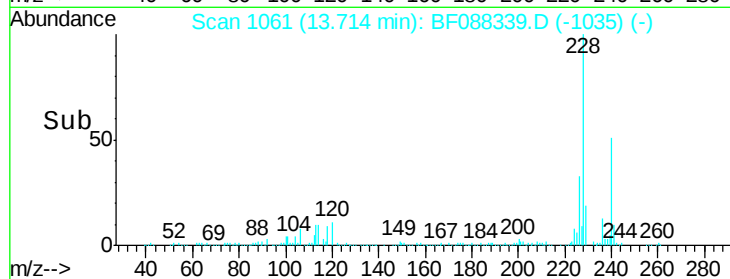
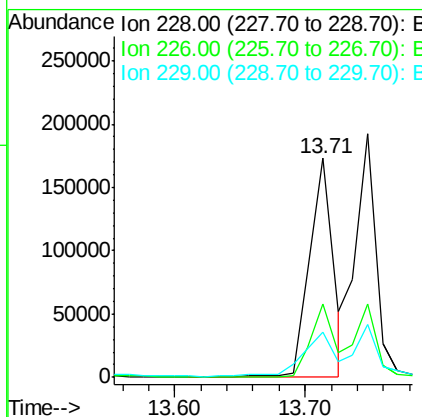
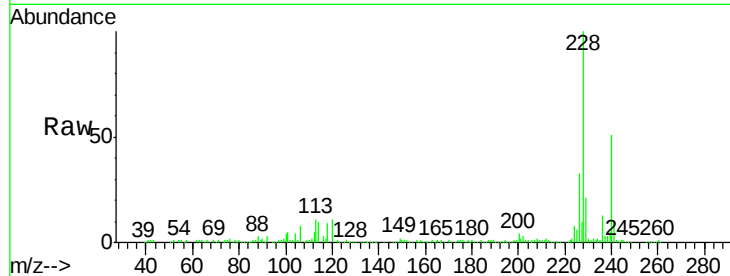
#80
Benzo(a)anthracene
Concen: 21.63 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Instrument :
BNA_F
ClientSampleId :
PM-STA-1412(0-4)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.3	33.5
229	20.5	16.0	24.0

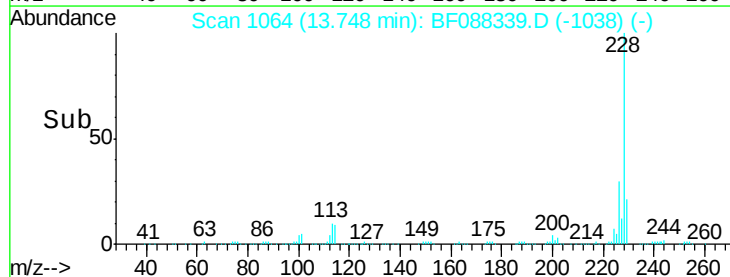
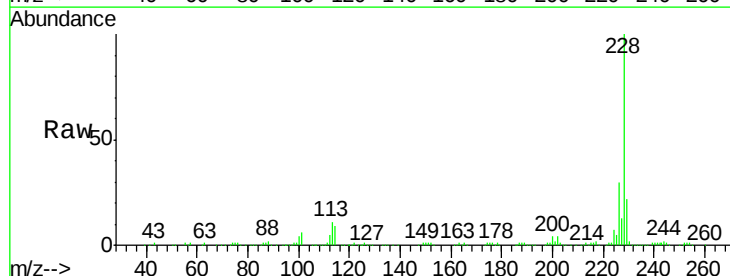
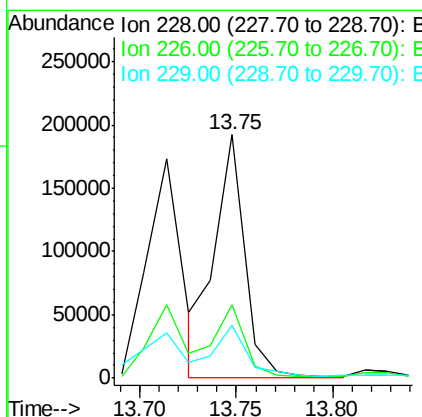
Manual Integrations
APPROVED

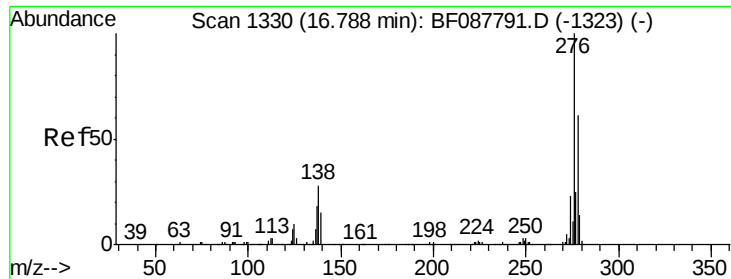
sohil
6/27/2016 8:11:57 PM



#82
Chrysene
Concen: 22.56 ng m
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.4	38.2
229	21.6	16.3	24.5





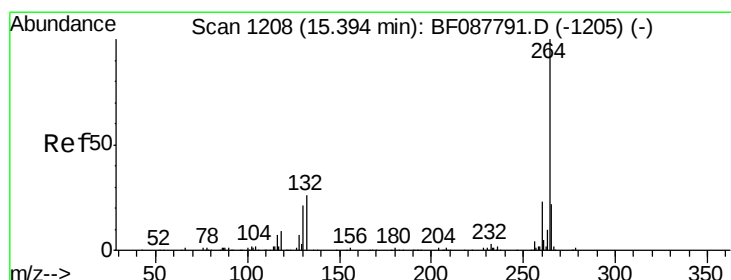
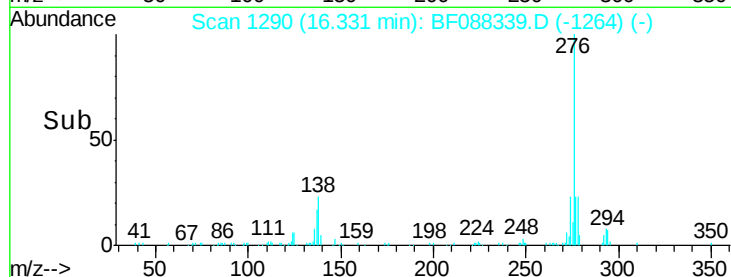
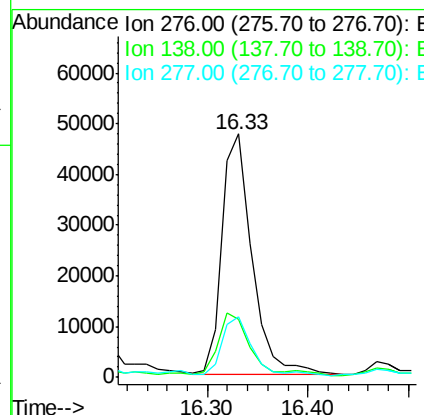
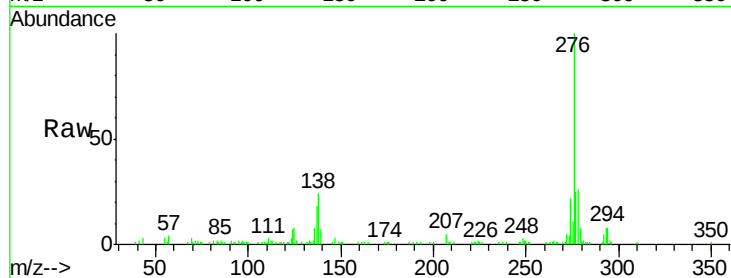
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.37 ng
 RT: 16.33 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	24.0	0.0	0.0#

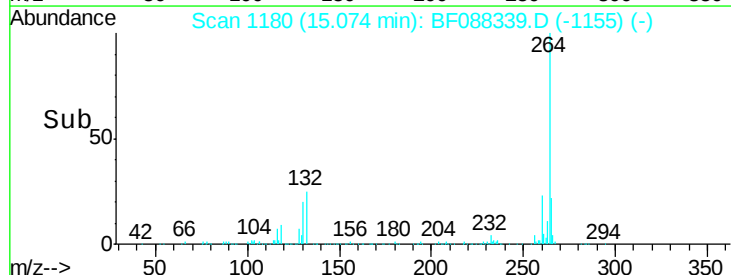
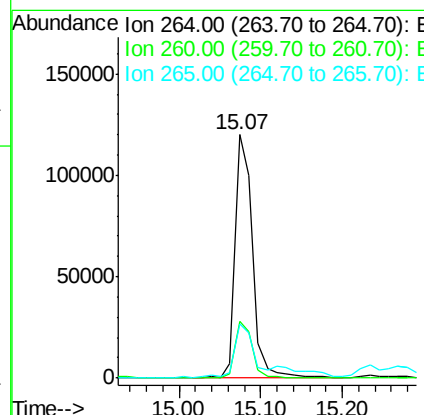
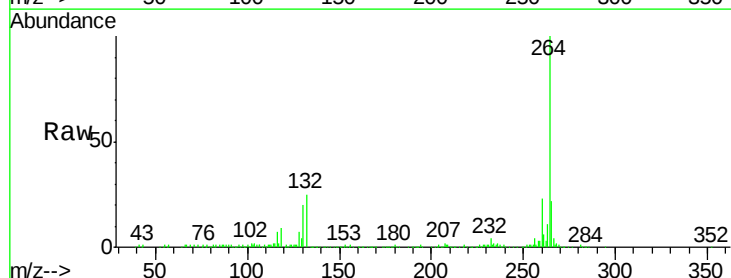
Manual Integrations
 APPROVED

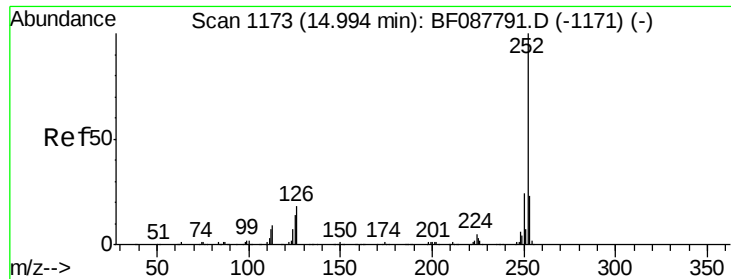
sohil
 6/27/2016 8:11:57 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.3	16.9	25.3





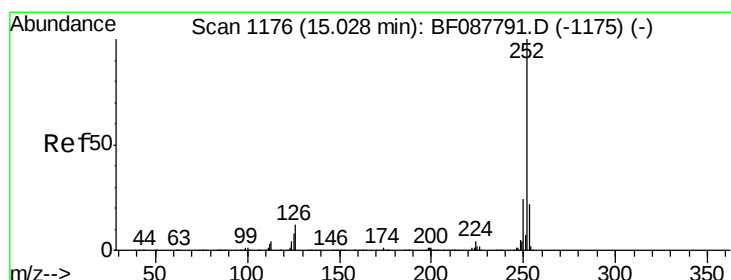
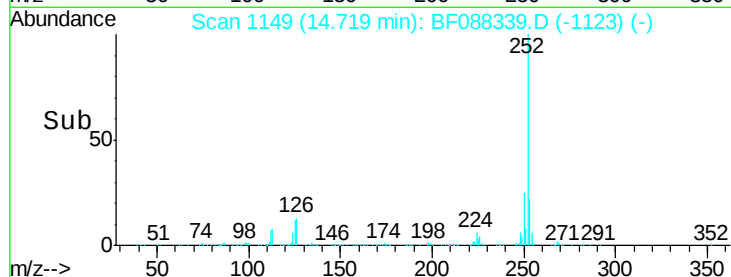
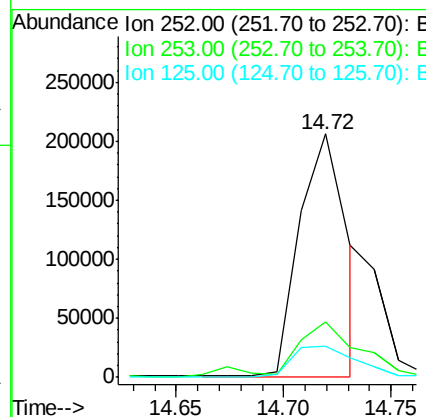
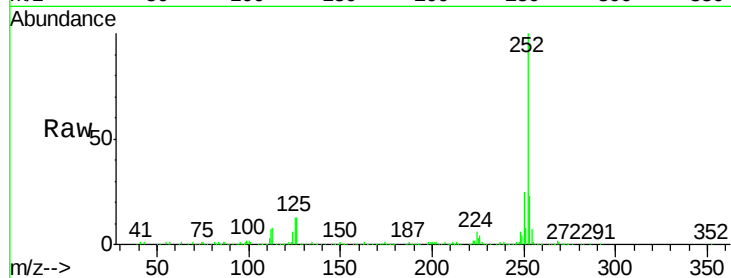
#87
Benzo(b)fluoranthene
Concen: 25.88 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Instrument :
BNA_F
ClientSampleId :
PM-STA-1412(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.7	7.1	10.7

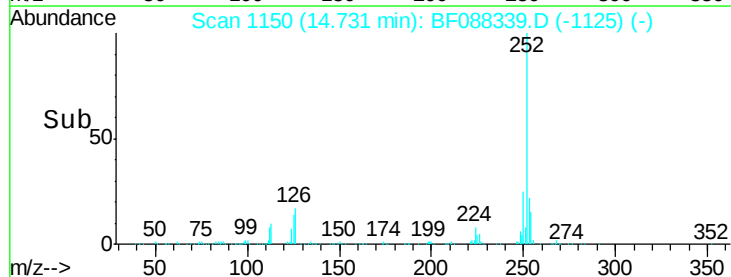
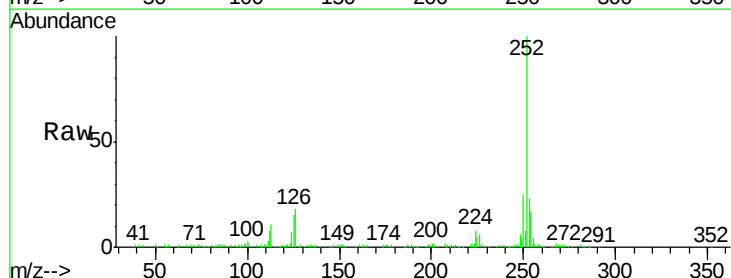
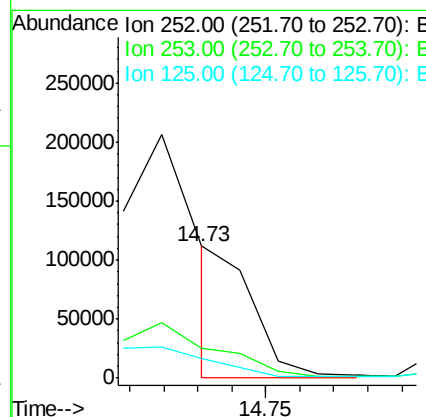
Manual Integrations
APPROVED

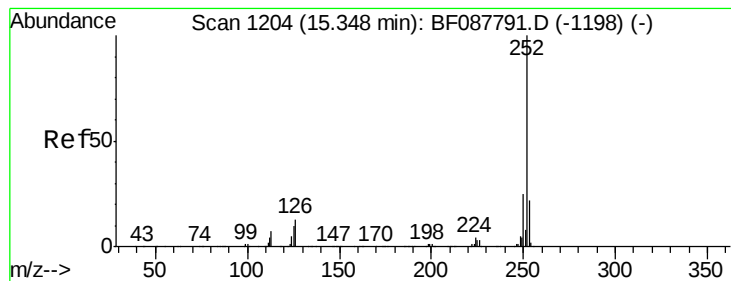
sohil
6/27/2016 8:11:57 PM



#88
Benzo(k)fluoranthene
Concen: 8.25 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF088339.D
Acq: 24 Jun 2016 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	14.5	11.2	16.8





#89

Benzo(a)pyrene

Concen: 15.35 ng m

RT: 15.03 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

Instrument :

BNA_F

ClientSampleId :

PM-STA-1412(0-4)

Tgt Ion: 252 Resp: 153627

Ion Ratio Lower Upper

252 100

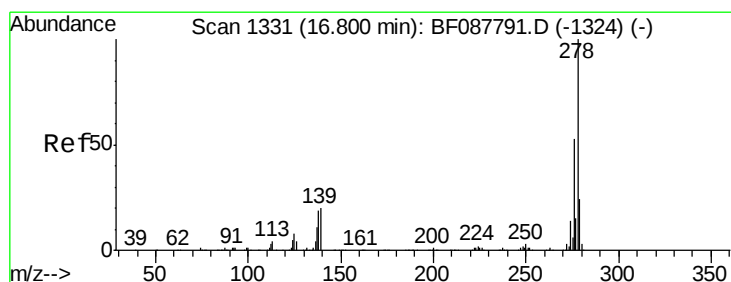
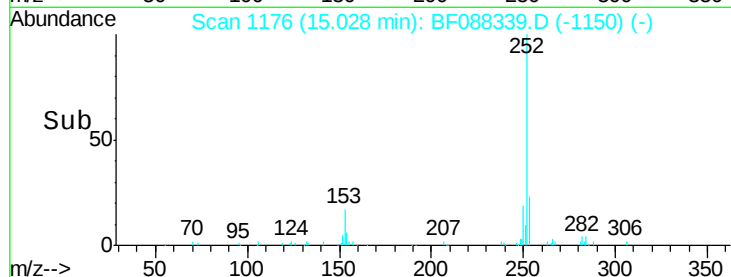
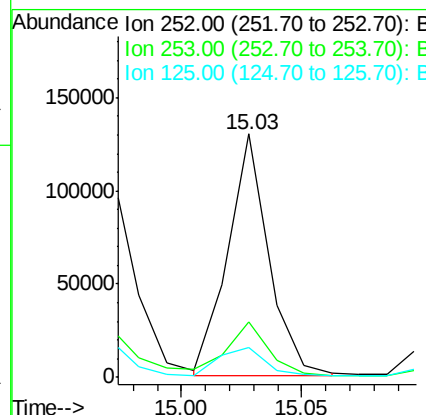
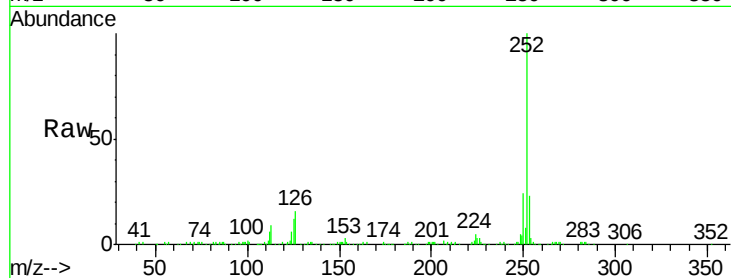
253 22.7 17.9 26.9

125 12.0 12.5 18.7#

Manual Integrations
APPROVED

sohil

6/27/2016 8:11:57 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.98 ng m

RT: 16.33 min Scan# 1290

Delta R.T. -0.00 min

Lab File: BF088339.D

Acq: 24 Jun 2016 18:53

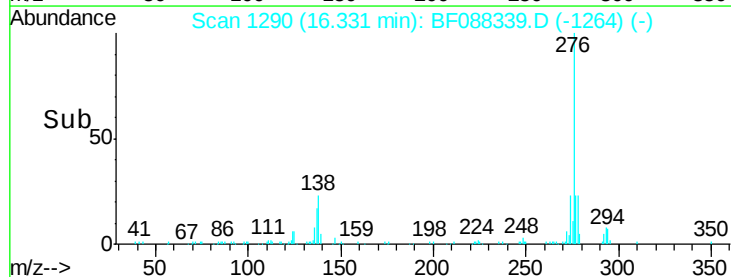
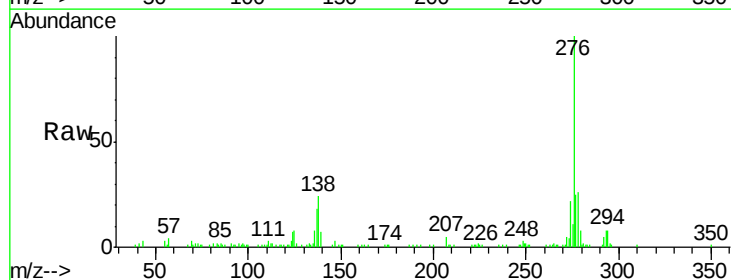
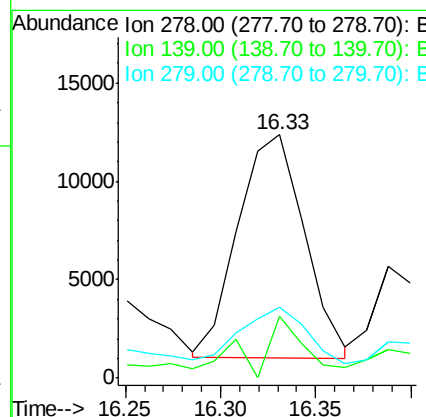
Tgt Ion: 278 Resp: 27650

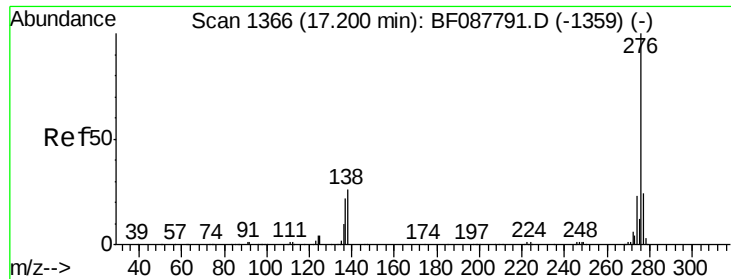
Ion Ratio Lower Upper

278 100

139 25.6 15.7 23.5#

279 29.2 19.4 29.2#





#91
 Benzo(g,h,i)perylene
 Concen: 8.09 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: BF088339.D
 Acq: 24 Jun 2016 18:53

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1412(0-4)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	28.4	21.4	32.2

Manual Integrations
 APPROVED

sohil
 6/27/2016 8:11:57 PM

