

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087817.D
 Acq On : 8 Jun 2016 18:50
 Operator : UM/SJ
 Sample : H3378-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:03:04 PM

Quant Time: Jun 09 03:38:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	113151	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	481211	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	199477	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	303773	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	253748	20.00	ng	0.00
86) Perylene-d12	15.42	264	220802	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	326283	49.30	ng	-0.01
7) Phenol-d6	6.46	99	443269	55.26	ng	-0.02
23) Nitrobenzene-d5	7.38	82	217047	26.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	79969	37.97	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	418552	29.34	ng	-0.02
78) Terphenyl-d14	12.94	244	264119	23.69	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	45663	3.16	ng	99
70) Phenanthrene	11.37	178	89156	5.59	ng	99
74) Fluoranthene	12.56	202	130574	7.76	ng	99
77) Pyrene	12.79	202	120053	6.38	ng	98
80) Benzo(a)anthracene	13.98	228	69846	4.83	ng	96
82) Chrysene	14.01	228	50156	3.69	ng	95
85) Indeno(1,2,3-cd)pyrene	16.80	276	26651	2.11	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	69237m	4.50	ng	
88) Benzo(k)fluoranthene	15.02	252	26224m	2.26	ng	
89) Benzo(a)pyrene	15.35	252	45406	3.65	ng	97
91) Benzo(g,h,i)perylene	17.21	276	26475	2.23	ng	96

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

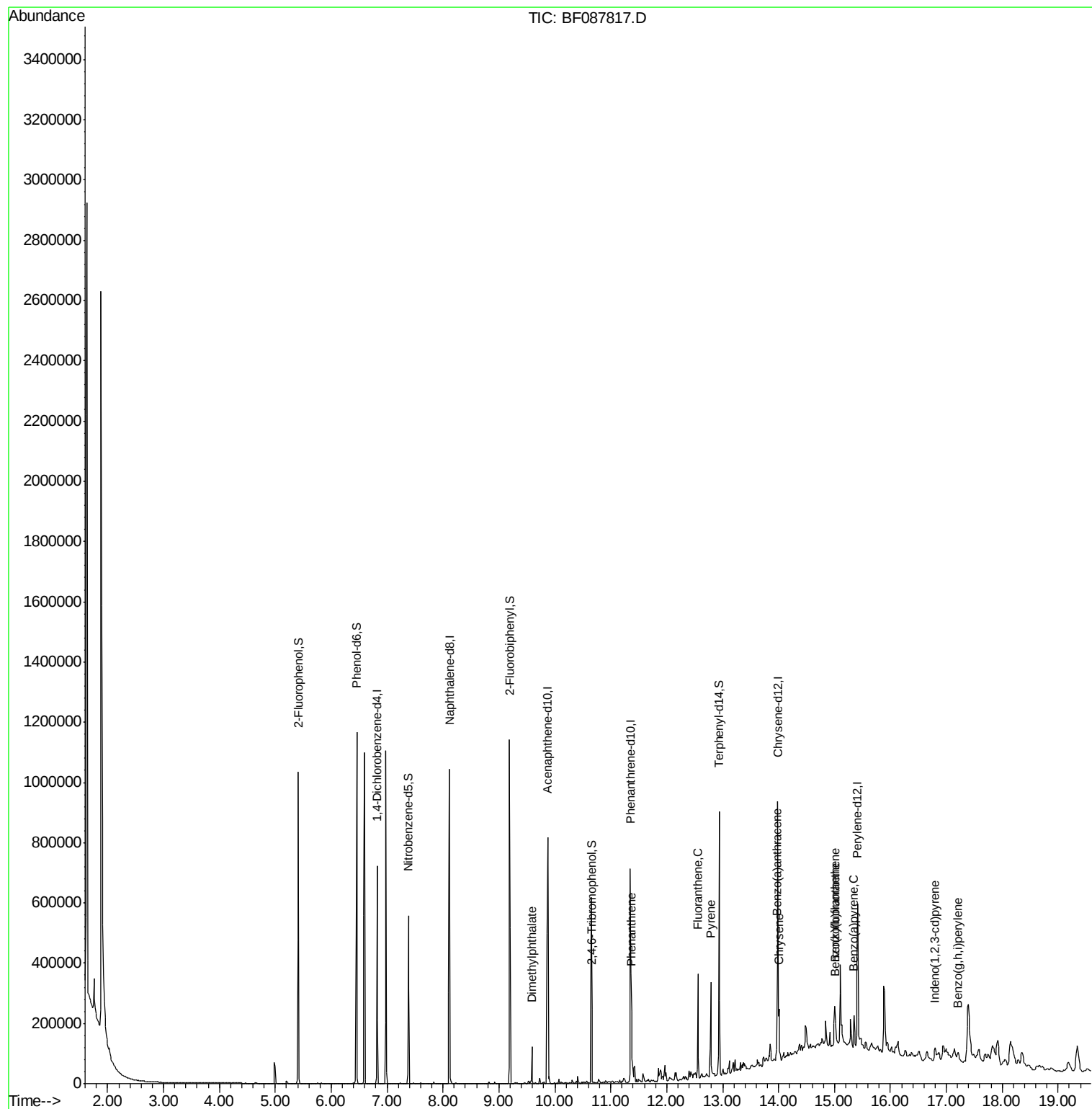
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087817.D
Acq On : 8 Jun 2016 18:50
Operator : UM/SJ
Sample : H3378-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

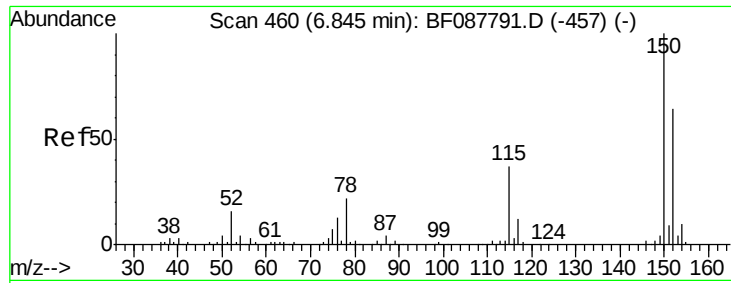
Instrument :
BNA_F
ClientSampleId :
SS-18

Manual Integrations
APPROVED

sohil
6/9/2016 8:03:04 PM

Quant Time: Jun 09 03:38:18 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration





#1

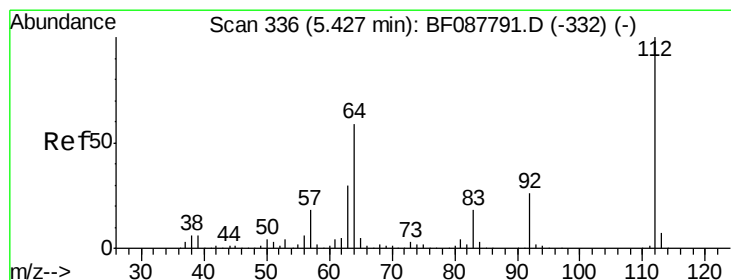
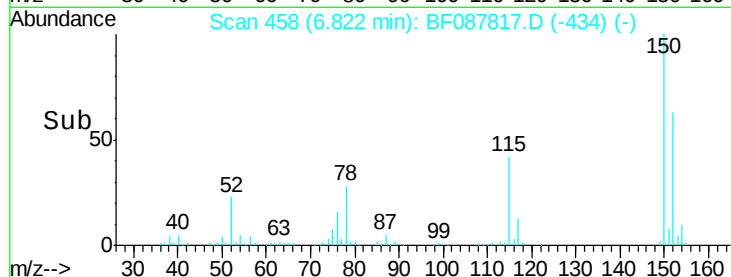
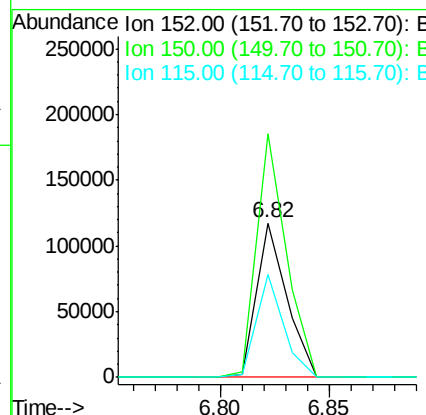
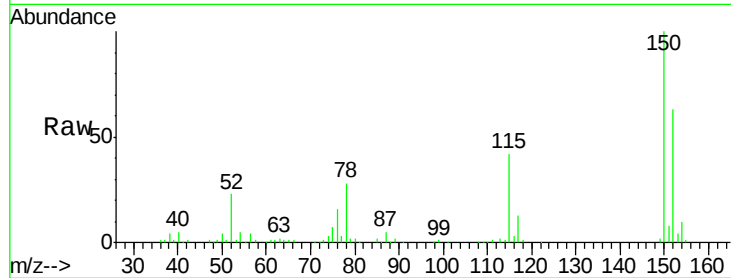
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampled :
SS-18

Tot Ion	Ratio	Resp	Lower	Upper
152	100	113151		
150	157.8	123.8	185.6	
115	66.3	39.6	59.4	

Manual Integrations
APPROVED

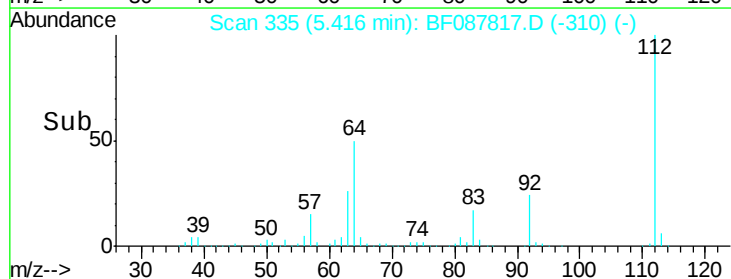
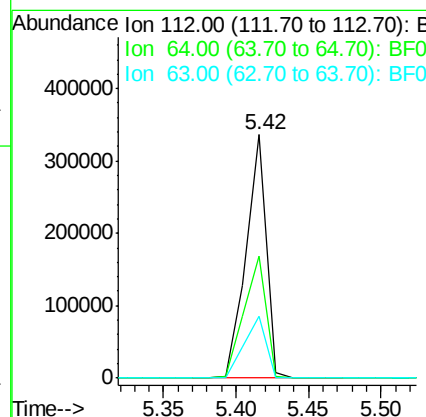
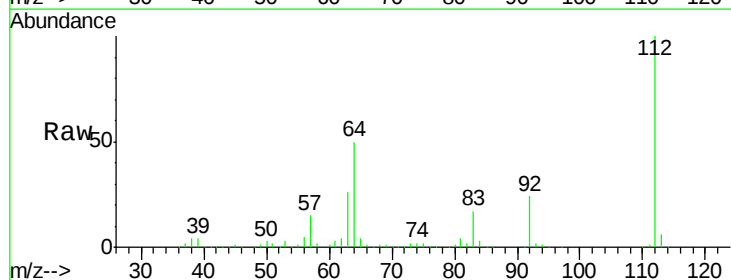
sohil
6/9/2016 8:03:04 PM

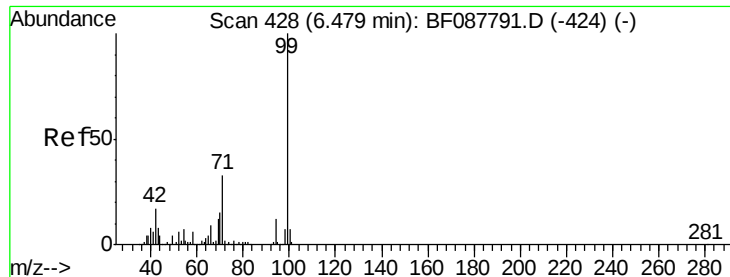


#5

2-Fluorophenol
Concen: 49.30 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	326283		
64	50.1	42.2	63.2	
63	25.6	21.8	32.8	





#7

Phenol-d6

Concen: 55.26 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

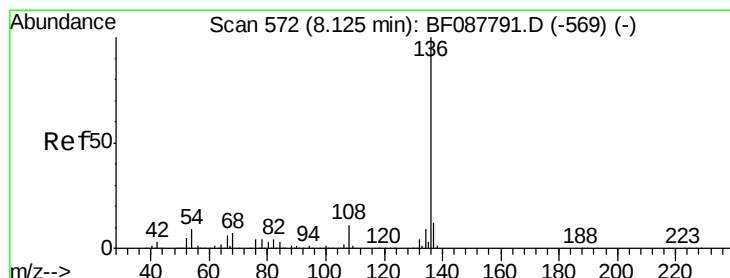
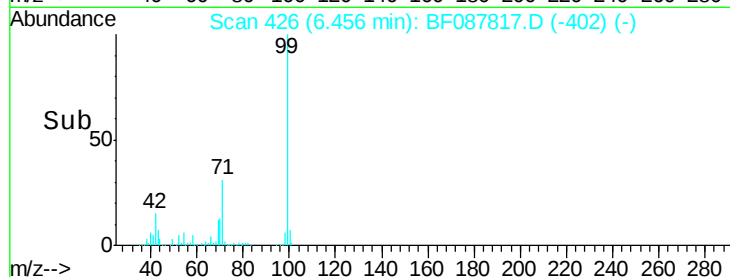
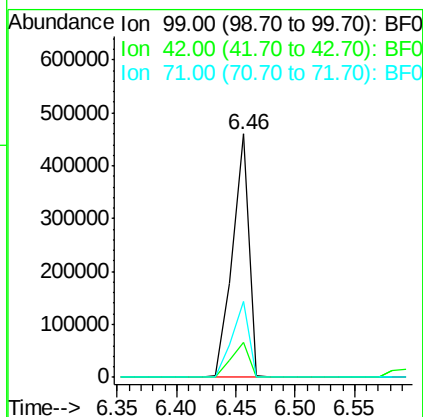
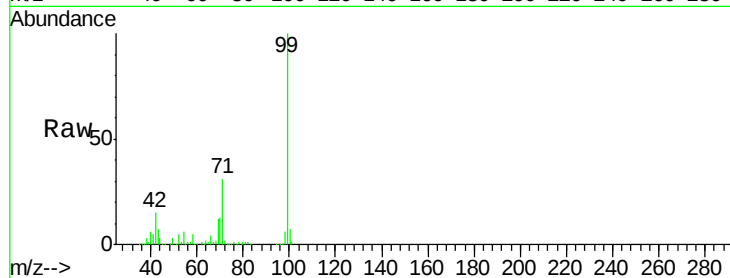
ClientSampleId :

SS-18

Tot Ion:	99	Resp:	443269
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.2	18.2
71	31.0	23.4	35.0

Manual Integrations
APPROVED

sohil
6/9/2016 8:03:04 PM



#21

Naphthalene-d8

Concen: 20.00 ng

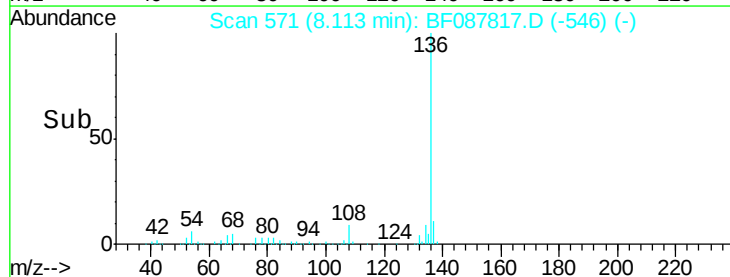
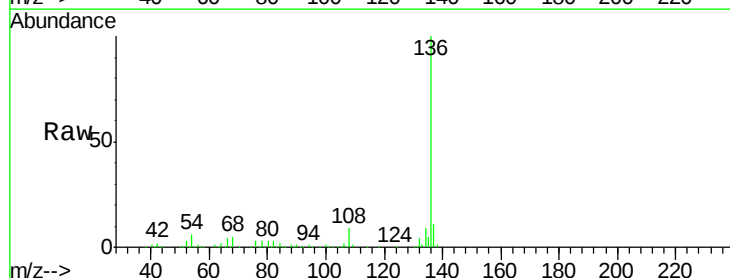
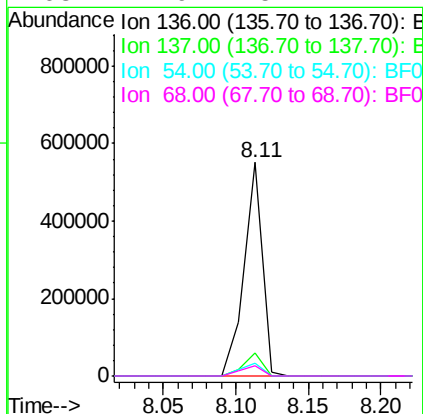
RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Tgt Ion:	136	Resp:	481211
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.0	6.6	10.0#
68	4.9	5.1	7.7#





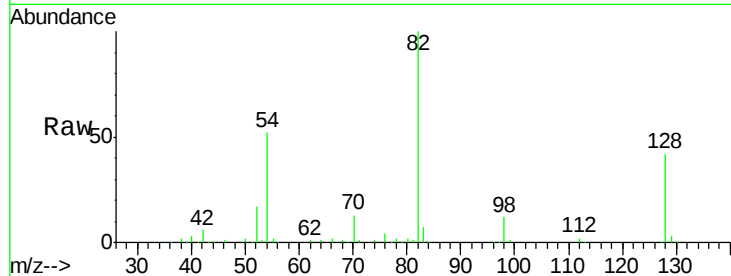
#23
 Nitrobenzene-d5
 Concen: 26.34 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampled :
 SS-18

Tot Ion	Ratio	Resp	Lower	Upper
82	100	217047		
128	42.0		35.9	53.9
54	51.6		40.9	61.3

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:03:04 PM

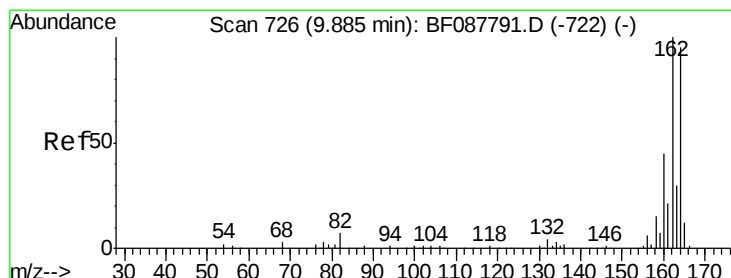
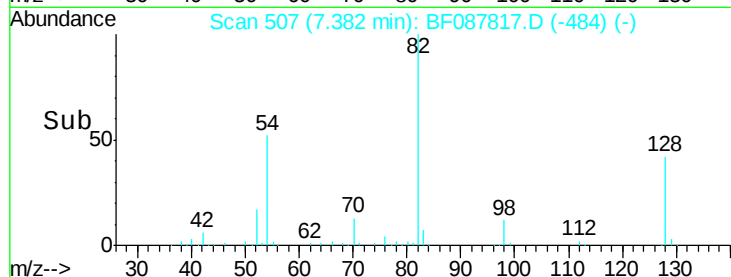
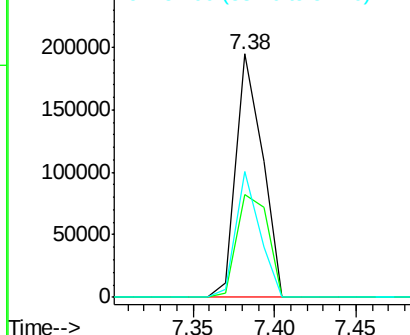


Abundance

Ion 82.00 (81.70 to 82.70): BF0

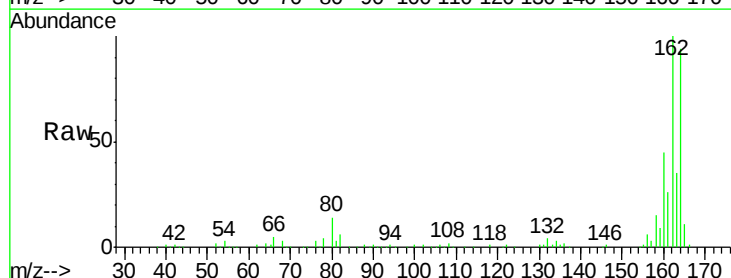
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199477		
162	106.7		85.4	128.2
160	48.1		39.5	59.3

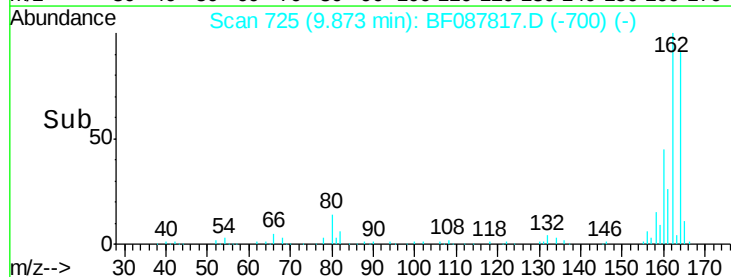
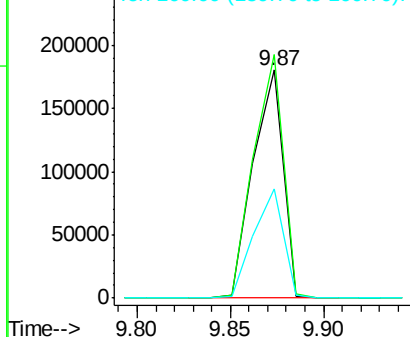


Abundance

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





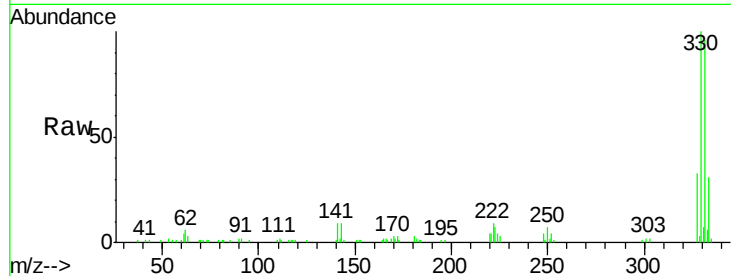
#41
 2,4,6-Tribromophenol
 Concen: 37.97 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

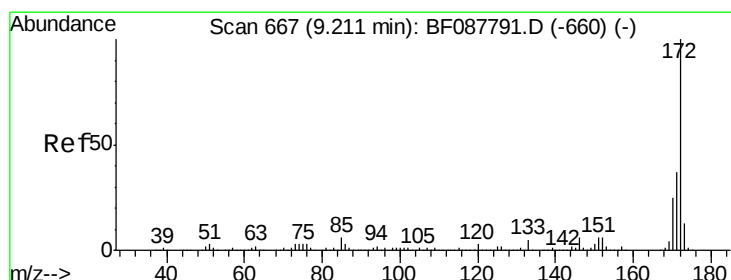
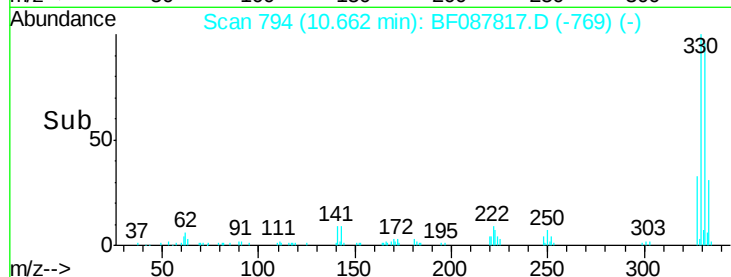
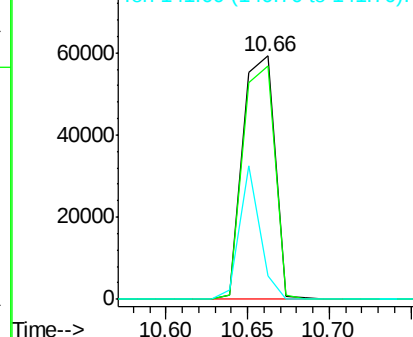
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.6	0.0	0.0#
141	34.4	0.0	0.0#

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:03:04 PM

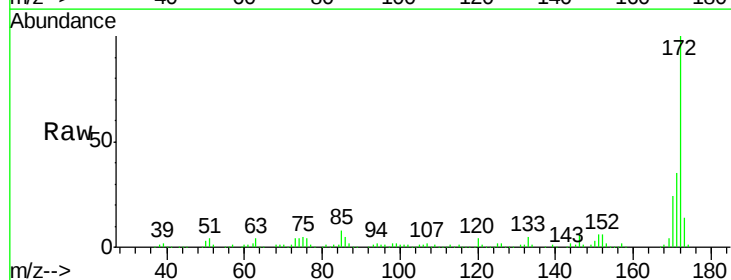


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

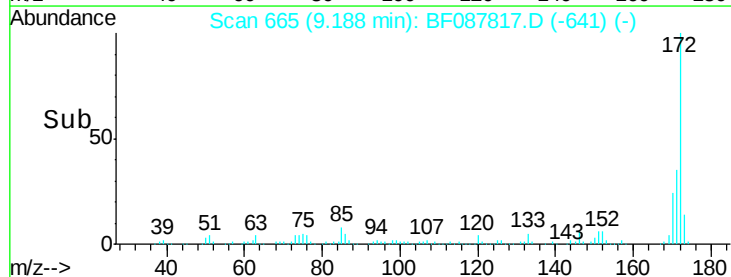
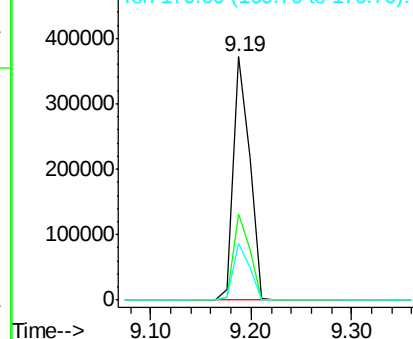


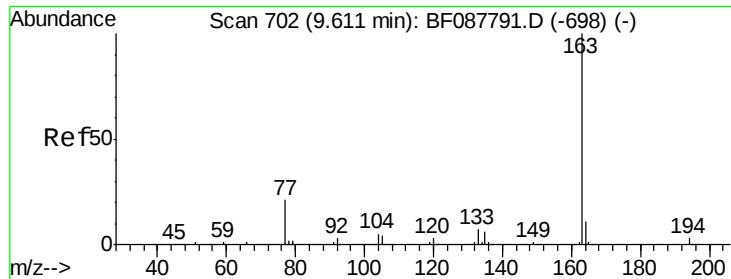
#44
 2-Fluorobiphenyl
 Concen: 29.34 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.6	43.0
170	23.5	19.2	28.8



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





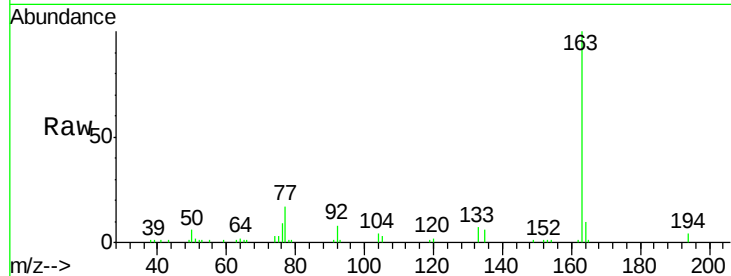
#49
Dimethylphthalate
Concen: 3.16 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampleId :
SS-18

Tot Ion	Ratio	Resp	Lower	Upper
163	100	45663		
194	3.5	2.8	4.2	
164	9.7	8.3	12.5	

Manual Integrations
APPROVED

sohil
6/9/2016 8:03:04 PM

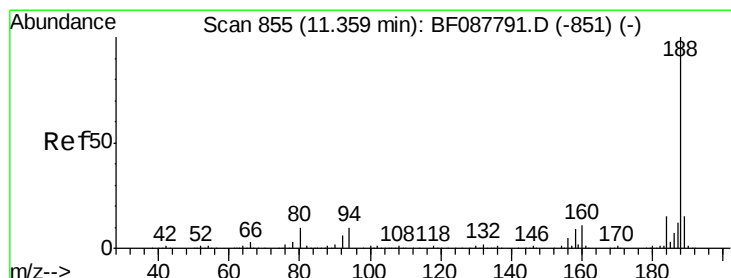
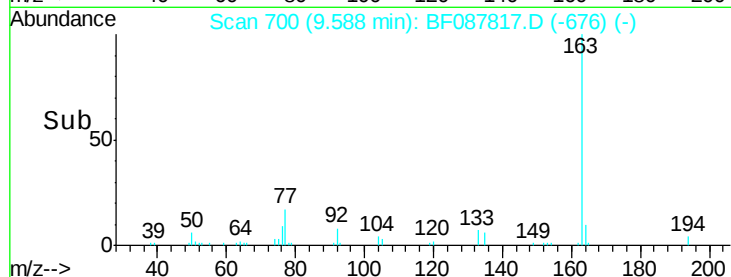
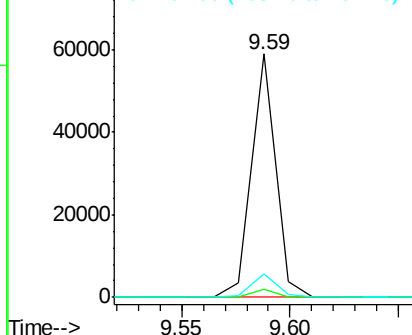


Abundance

Ion 163.00 (162.70 to 163.70): E

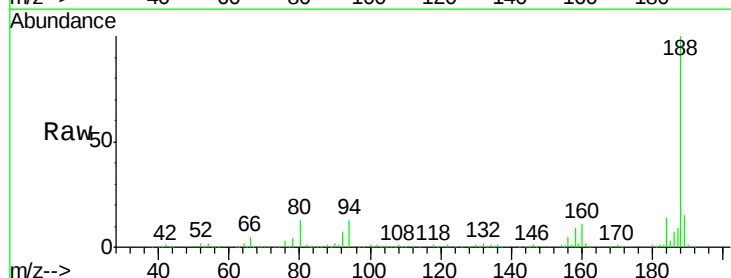
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	303773		
94	12.7	9.0	13.6	
80	13.5	10.0	15.0	

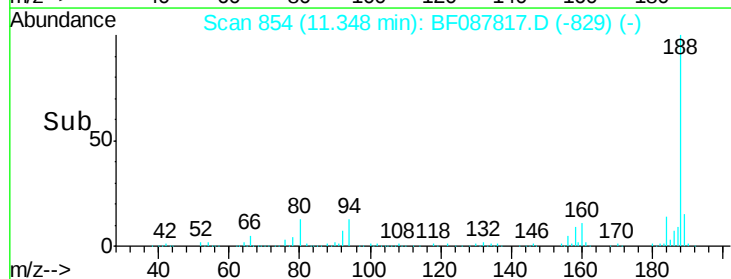
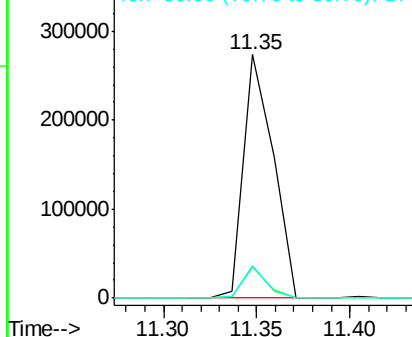


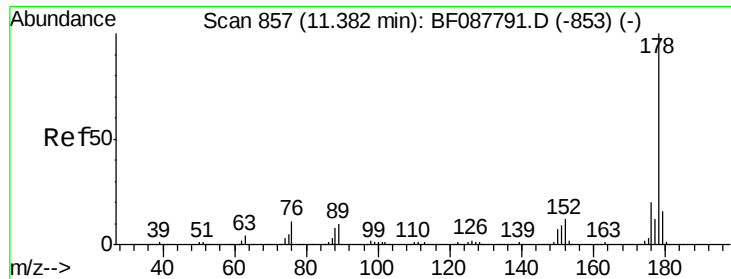
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





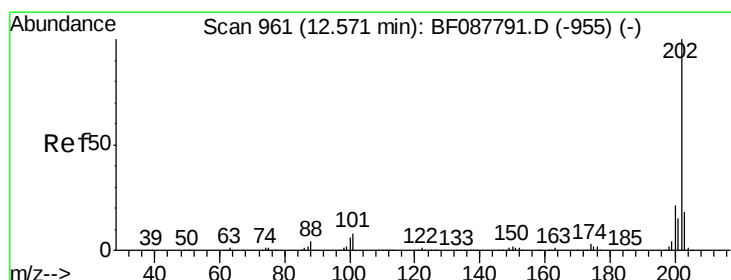
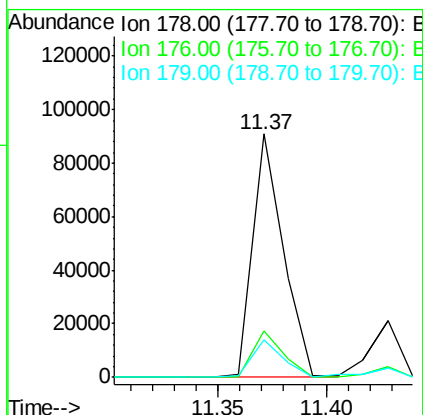
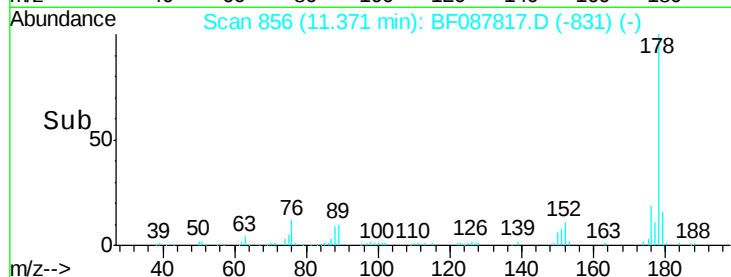
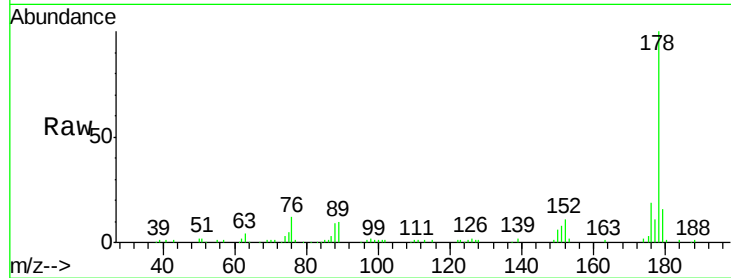
#70
Phenanthrene
Concen: 5.59 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampleId :
SS-18

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.5	13.0	19.4

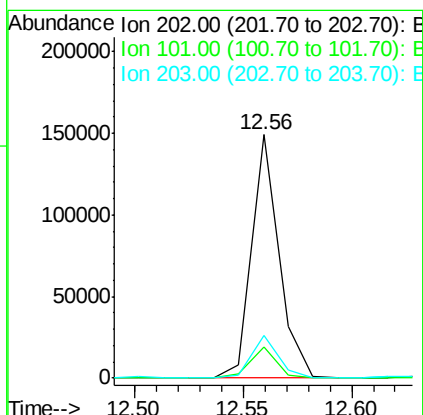
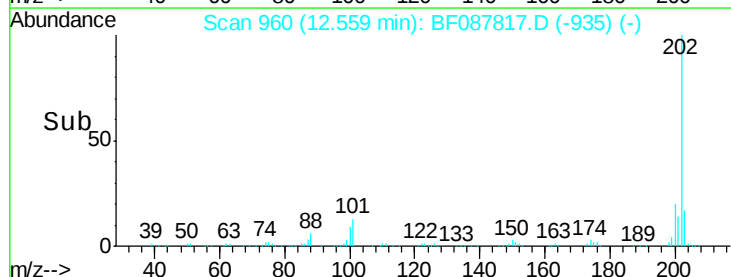
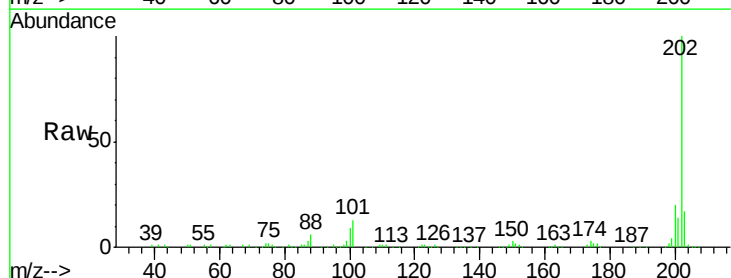
Manual Integrations
APPROVED

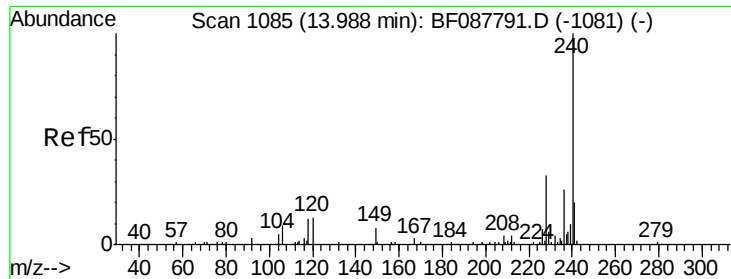
sohil
6/9/2016 8:03:04 PM



#74
Fluoranthene
Concen: 7.76 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

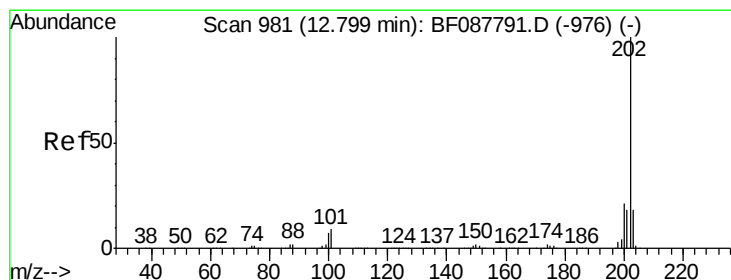
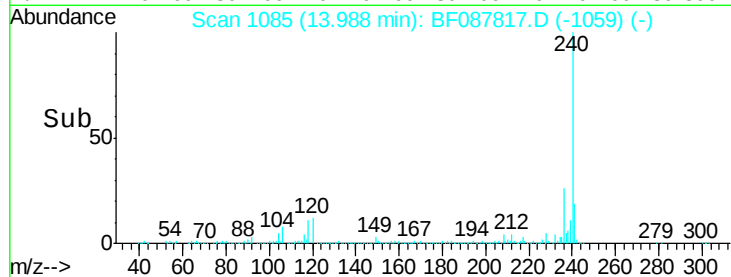
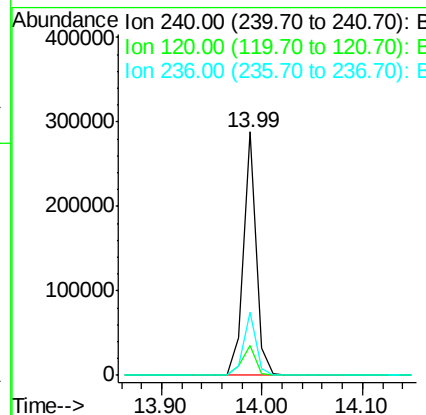
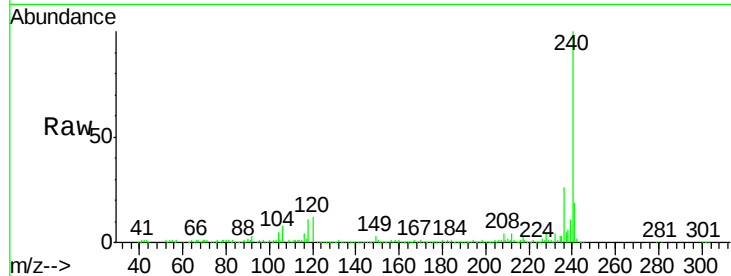
ClientSampleId :

SS-18

Tot Ion:	240	Resp:	253748
Ion Ratio	Lower	Upper	
240	100		
120	12.4	6.8	10.2#
236	25.8	20.2	30.2

Manual Integrations
APPROVED

sohil
6/9/2016 8:03:04 PM



#77

Pyrene

Concen: 6.38 ng

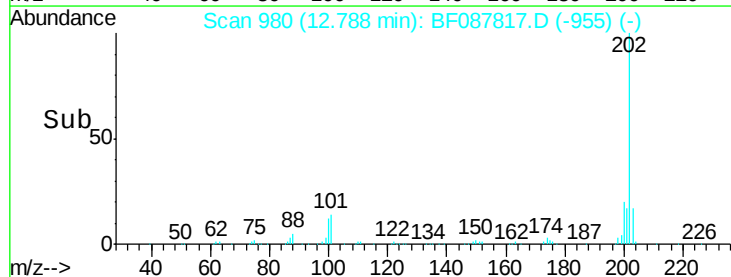
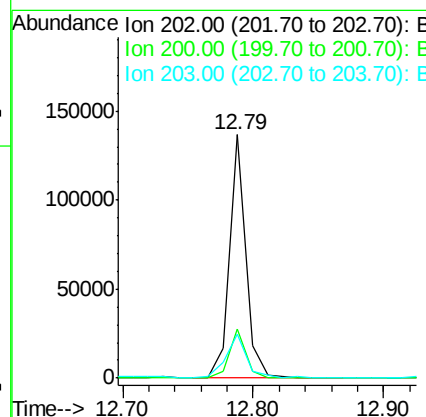
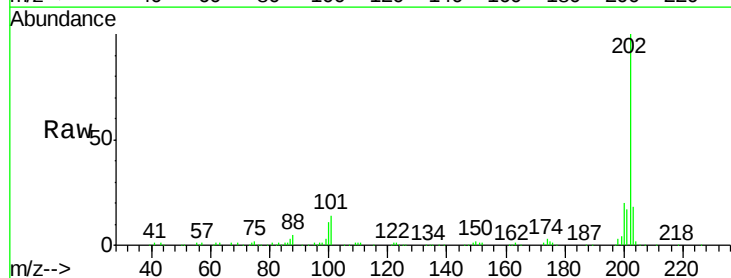
RT: 12.79 min Scan# 980

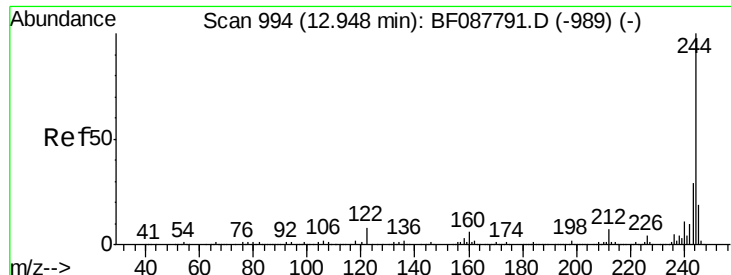
Delta R.T. -0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Tgt Ion:	202	Resp:	120053
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	17.8	14.5	21.7





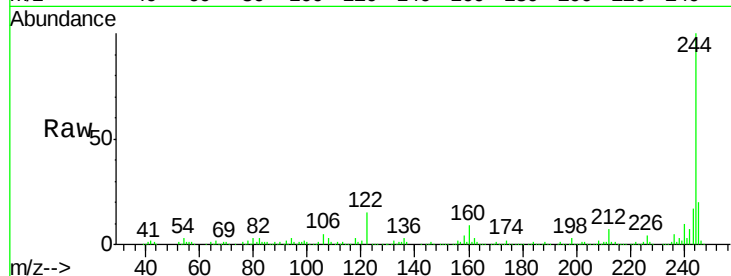
#78
 Terphenyl-d14
 Concen: 23.69 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampled :
 SS-18

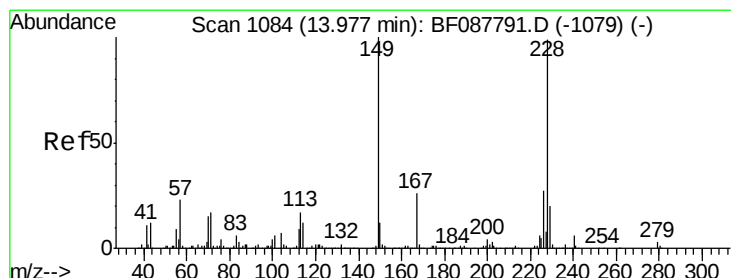
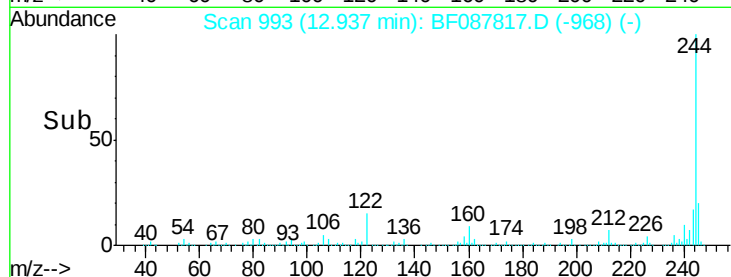
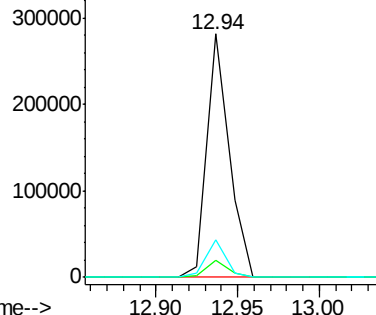
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.2	11.2	16.8

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:03:04 PM

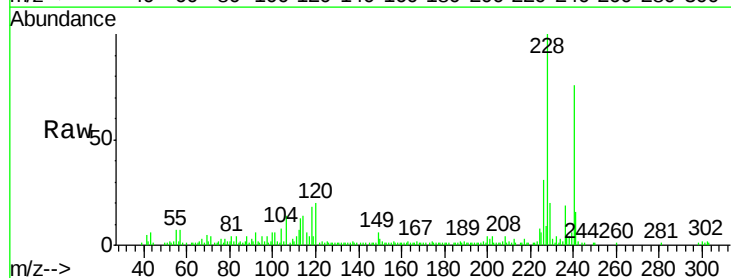


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

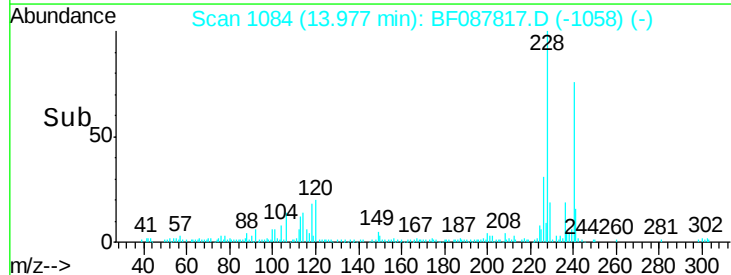
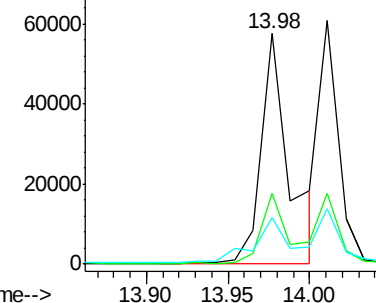


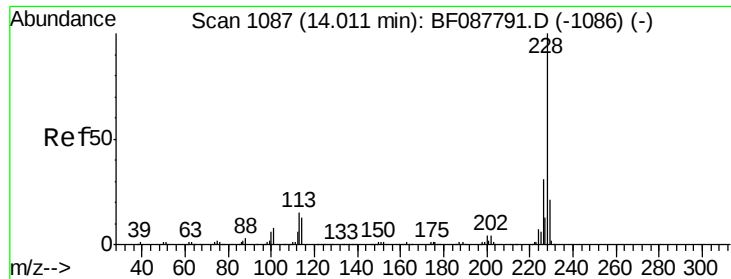
#80
 Benzo(a)anthracene
 Concen: 4.83 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	20.4	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.69 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Instrument :

BNA_F

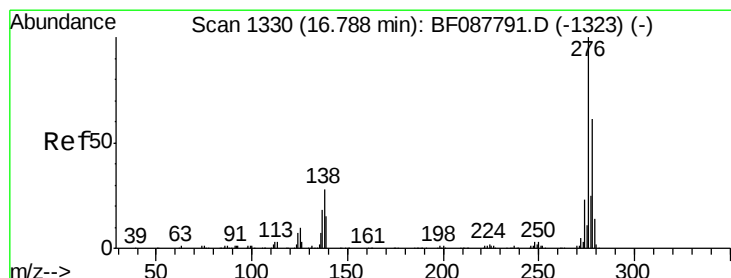
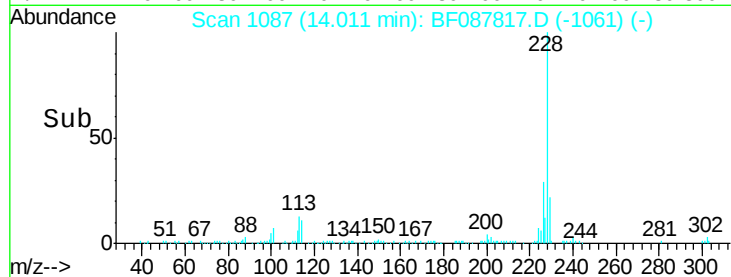
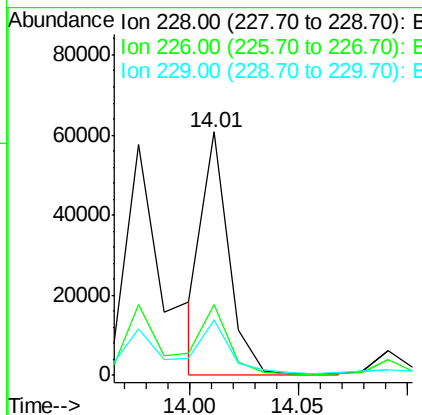
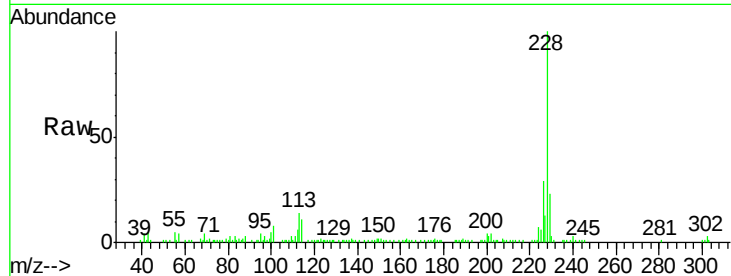
ClientSampleId :

SS-18

Tot Ion:	228	Resp:	50156
Ion Ratio		Lower	Upper
228	100		
226	29.2	25.4	38.2
229	22.5	16.3	24.5

Manual Integrations
APPROVED

sohil
6/9/2016 8:03:04 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.11 ng

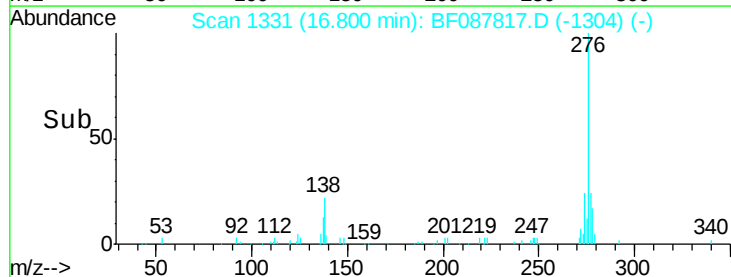
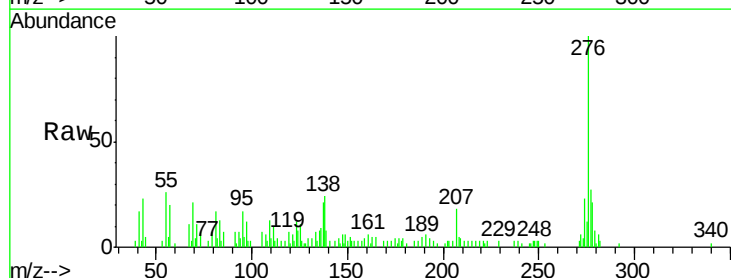
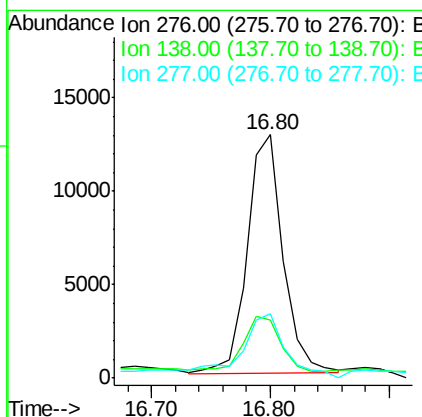
RT: 16.80 min Scan# 1331

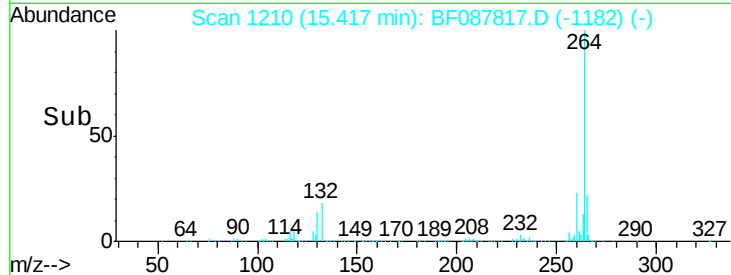
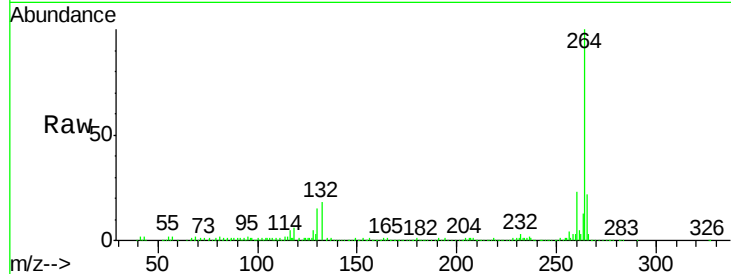
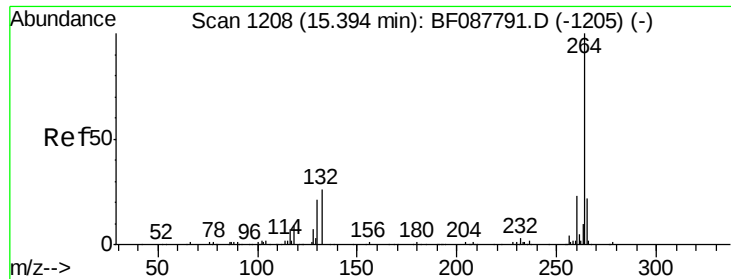
Delta R.T. 0.01 min

Lab File: BF087817.D

Acq: 8 Jun 2016 18:50

Tgt Ion:	276	Resp:	26651
Ion Ratio		Lower	Upper
276	100		
138	26.8	0.0	0.0#
277	38.7	0.0	0.0#





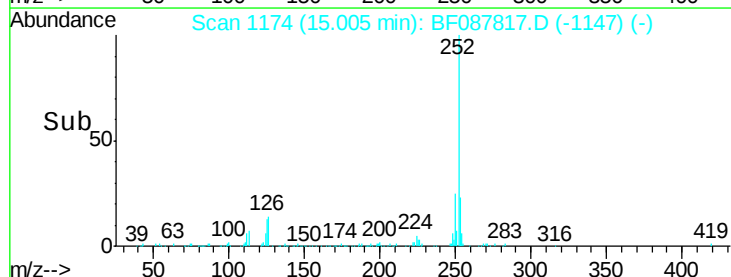
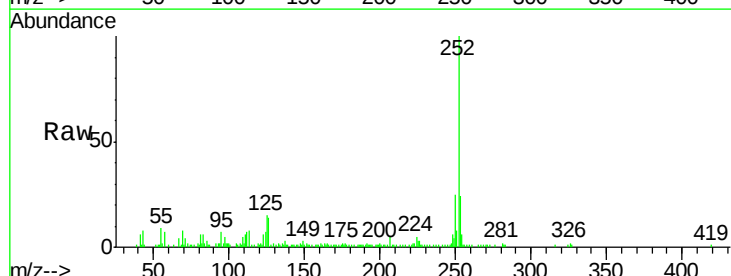
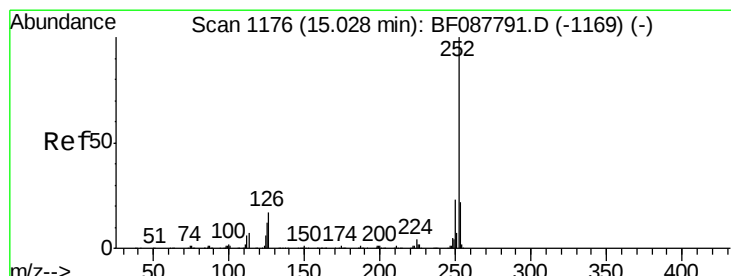
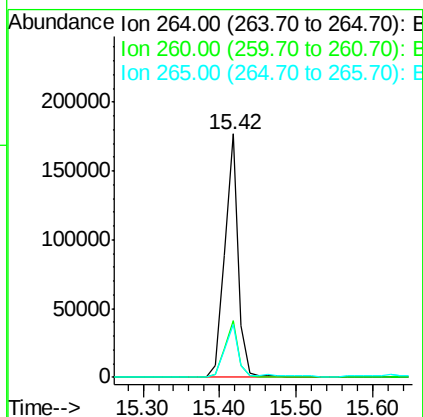
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampleId :
SS-18

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.7	16.9	25.3

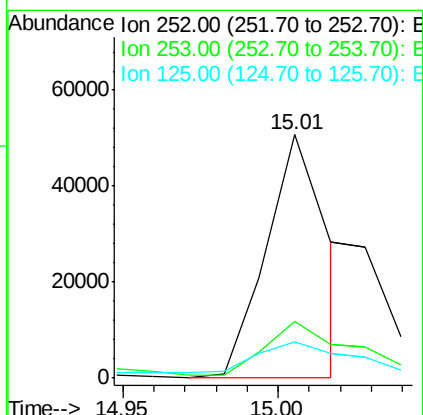
Manual Integrations
APPROVED

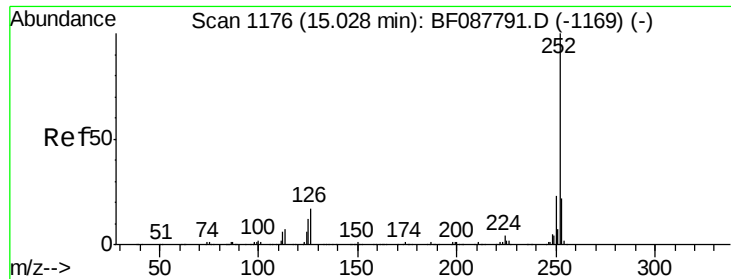
sohil
6/9/2016 8:03:04 PM



#87
Benzo(b)fluoranthene
Concen: 4.50 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	14.9	7.1	10.7#





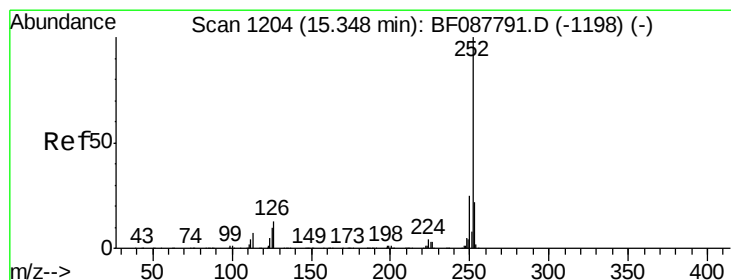
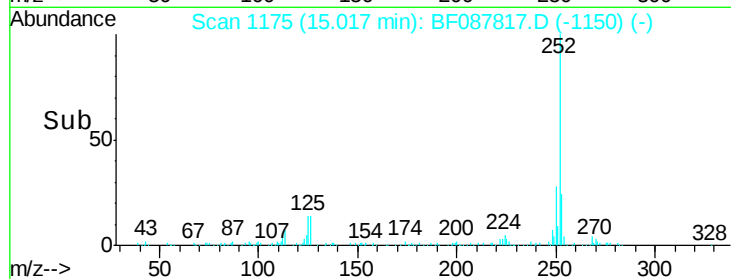
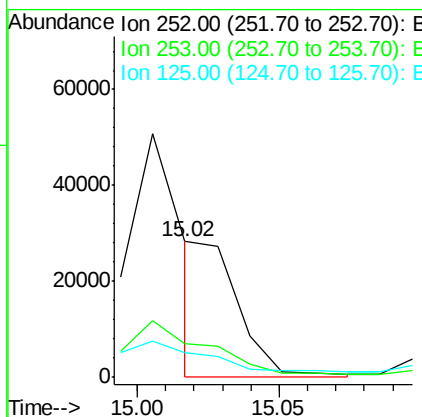
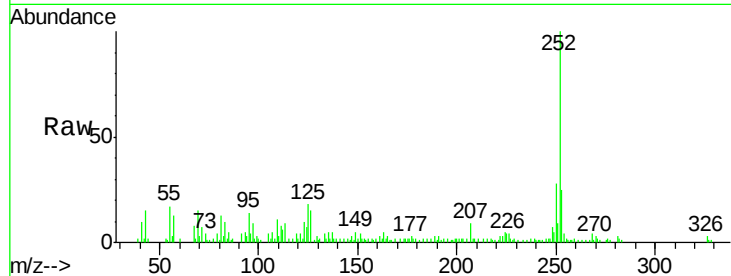
#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Instrument :
BNA_F
ClientSampleId :
SS-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	17.9	11.2	16.8

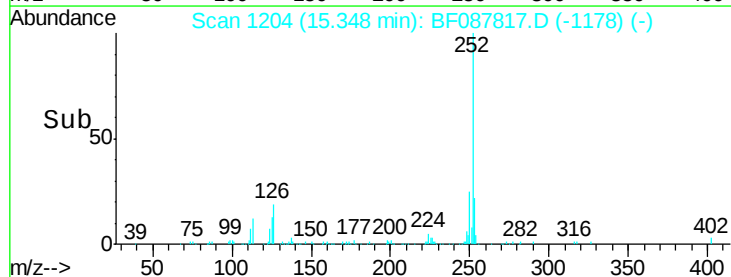
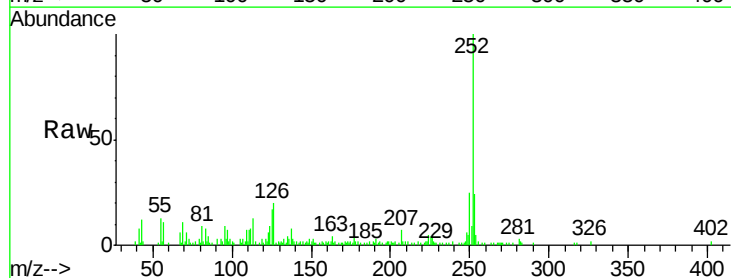
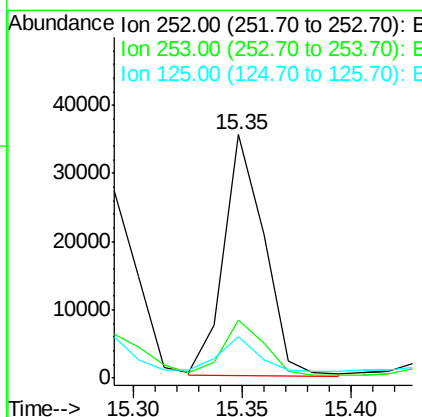
Manual Integrations
APPROVED

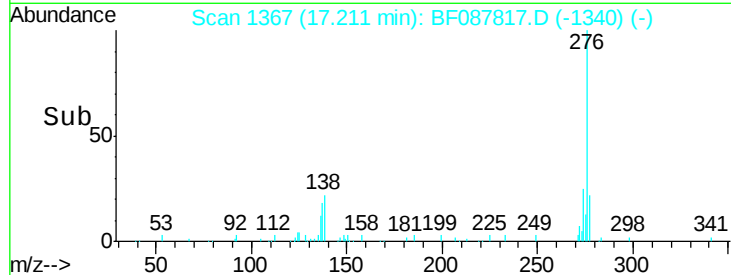
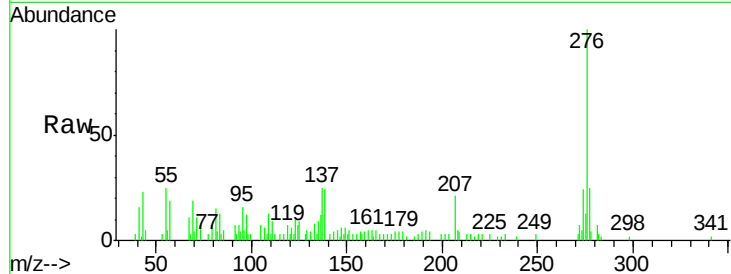
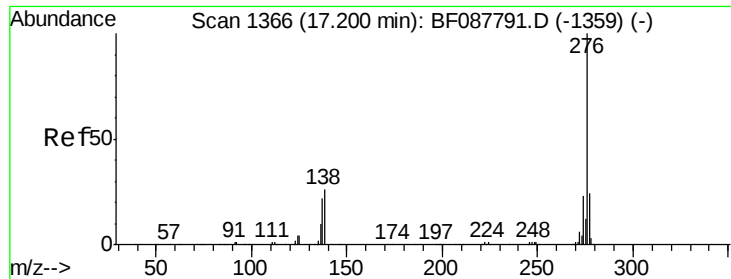
sohil
6/9/2016 8:03:04 PM



#89
Benzo(a)pyrene
Concen: 3.65 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087817.D
Acq: 8 Jun 2016 18:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	17.0	12.5	18.7





#91
 Benzo(a,h,i)perylene
 Concen: 2.23 ng
 RT: 17.21 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: BF087817.D
 Acq: 8 Jun 2016 18:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-18

Tot Ion:	276	Resp:	26475
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.9	28.3
138	24.1	21.4	32.2

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:03:04 PM

