

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087816.D
 Acq On : 8 Jun 2016 18:20
 Operator : UM/SJ
 Sample : H3378-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:02:57 PM

Quant Time: Jun 09 03:33:11 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	108922	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	468700	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	203733	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	310157	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	237599	20.00	ng	0.00
86) Perylene-d12	15.42	264	230669	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	337729	53.01	ng	-0.01
7) Phenol-d6	6.46	99	446643	57.84	ng	-0.02
23) Nitrobenzene-d5	7.38	82	222653	27.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	87334	40.60	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	414922	28.30	ng	-0.02
78) Terphenyl-d14	12.94	244	263071	25.20	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	41907	2.84	ng	98
70) Phenanthrene	11.38	178	332926	20.46	ng	98
71) Anthracene	11.43	178	88547	5.39	ng	97
74) Fluoranthene	12.56	202	316922	18.45	ng	98
77) Pyrene	12.79	202	287737	16.32	ng	99
80) Benzo(a)anthracene	13.98	228	168785	12.47	ng	100
82) Chrysene	14.01	228	115638m	9.08	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	60693	5.13	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	145526m	9.05	ng	
88) Benzo(k)fluoranthene	15.02	252	69475m	5.73	ng	
89) Benzo(a)pyrene	15.36	252	116692	8.97	ng	# 95
91) Benzo(a,h,i)perylene	17.21	276	58910	4.74	ng	99

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

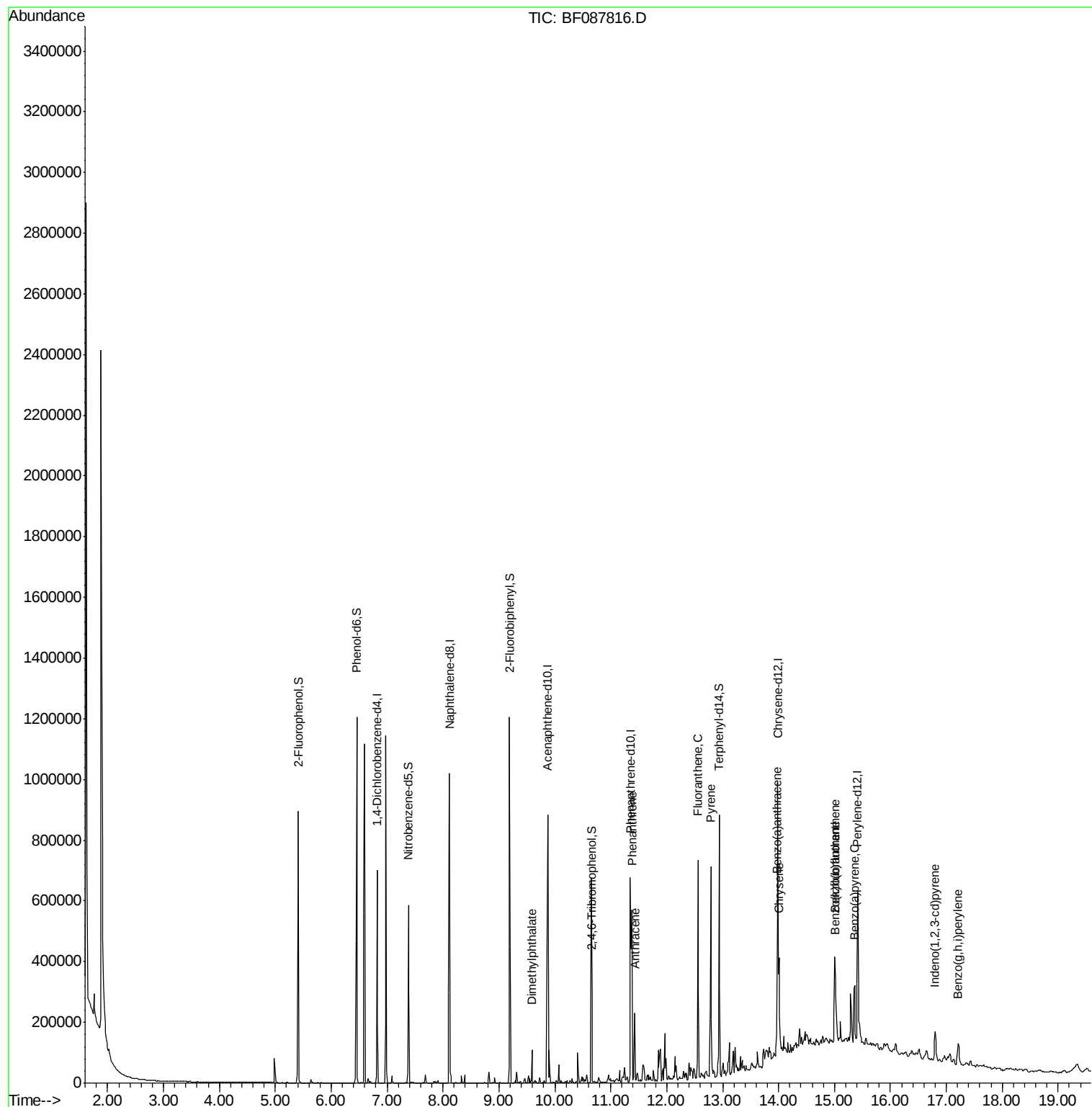
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087816.D
Acq On : 8 Jun 2016 18:20
Operator : UM/SJ
Sample : H3378-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-17

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM

Quant Time: Jun 09 03:33:11 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

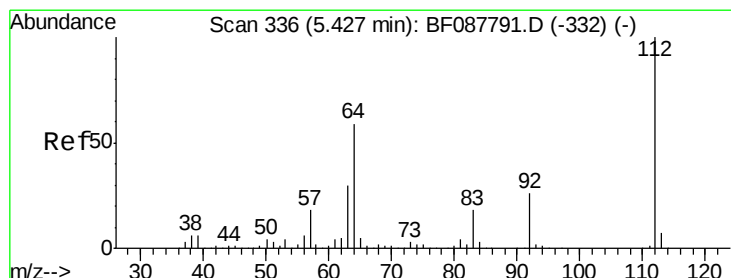
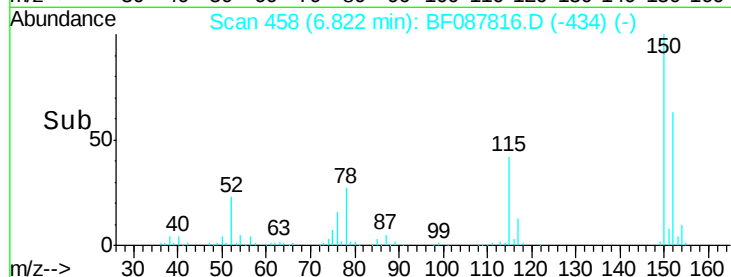
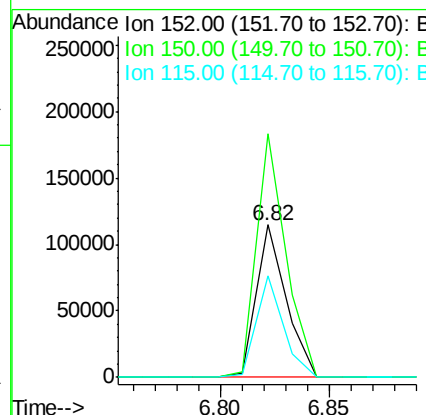
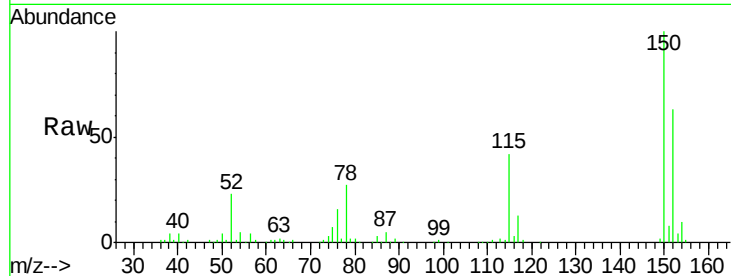
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Instrument :
BNA_F
ClientSampled :
SS-17

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	123.8	185.6
115	66.5	39.6	59.4

Manual Integrations
APPROVED

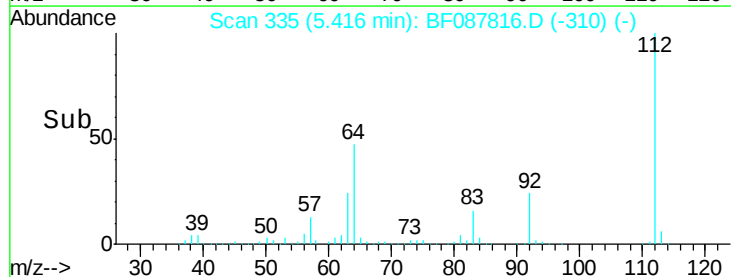
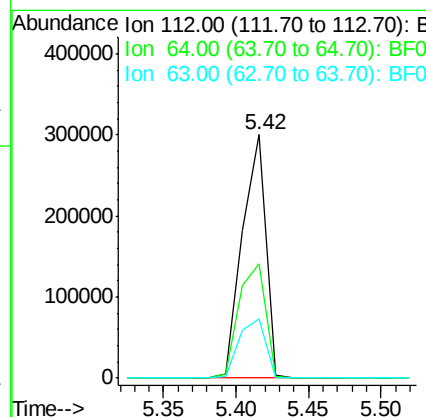
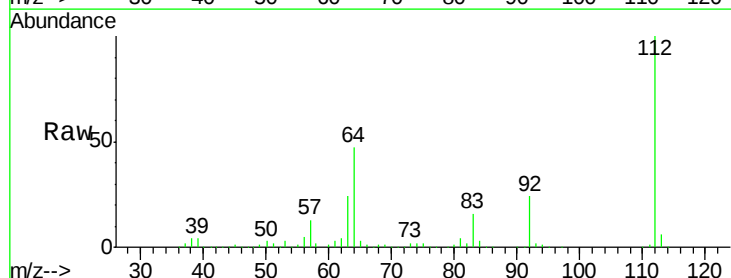
sohil
6/9/2016 8:02:57 PM



#5

2-Fluorophenol
Concen: 53.01 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.2	42.2	63.2
63	24.2	21.8	32.8





#7

Phenol-d6

Concen: 57.84 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

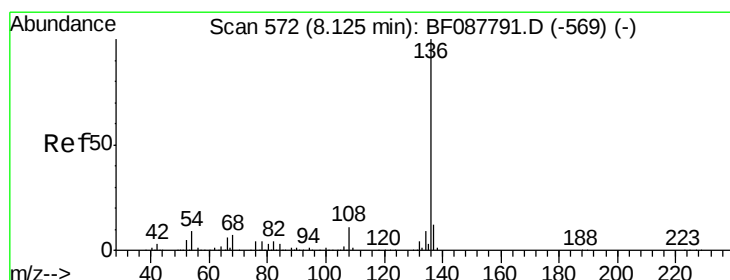
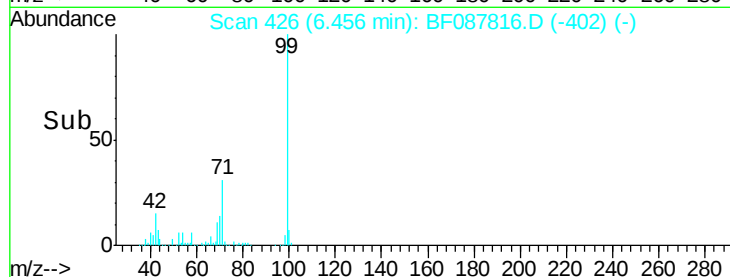
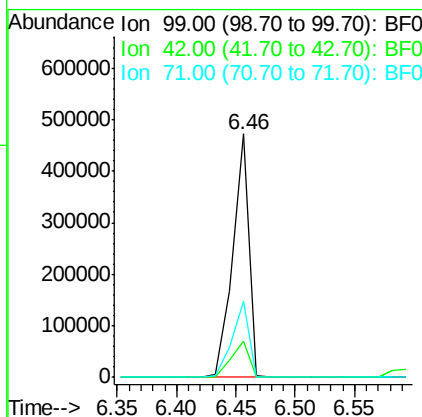
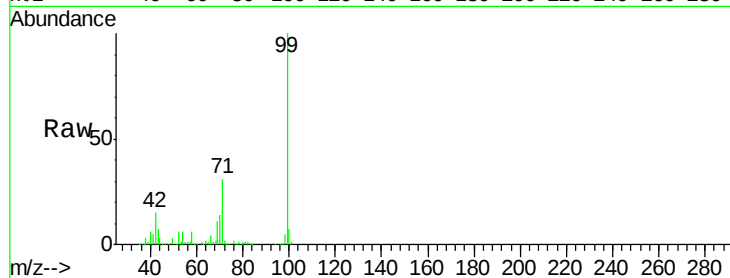
ClientSampleId :

SS-17

Tot Ion:	99	Resp:	446643
Ion Ratio	Lower	Upper	
99	100		
42	14.9	12.2	18.2
71	31.3	23.4	35.0

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



#21

Naphthalene-d8

Concen: 20.00 ng

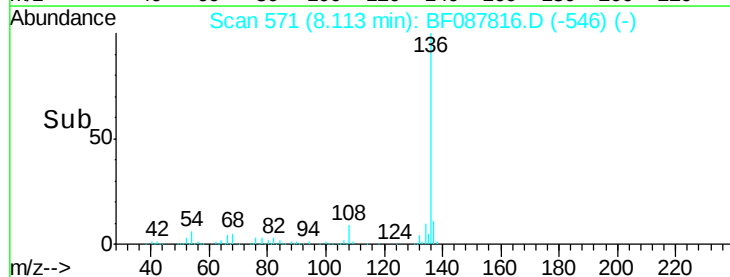
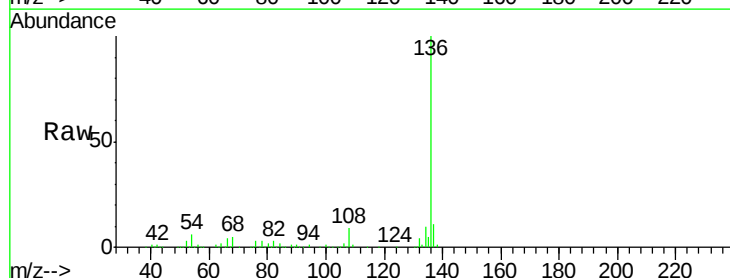
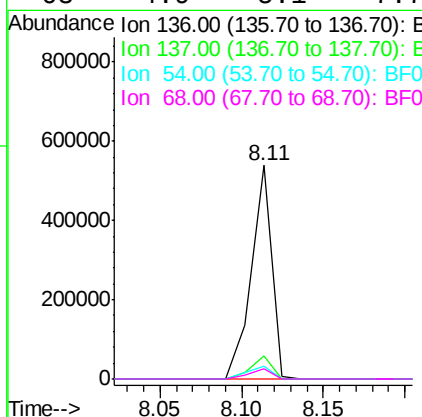
RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Tgt Ion:	136	Resp:	468700
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	5.9	6.6	10.0#
68	4.9	5.1	7.7#





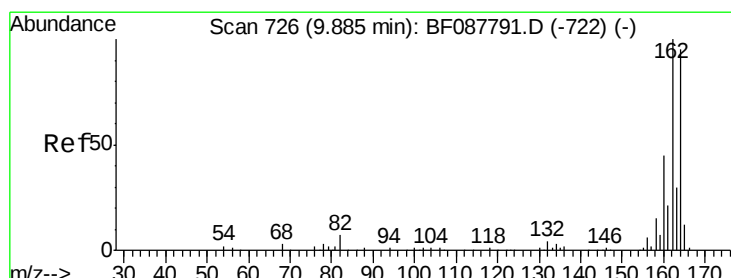
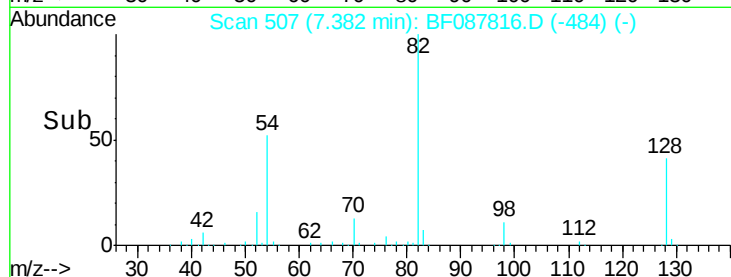
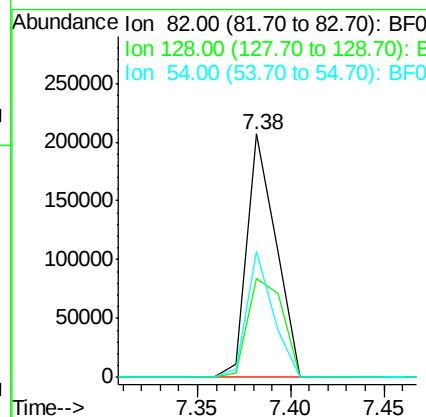
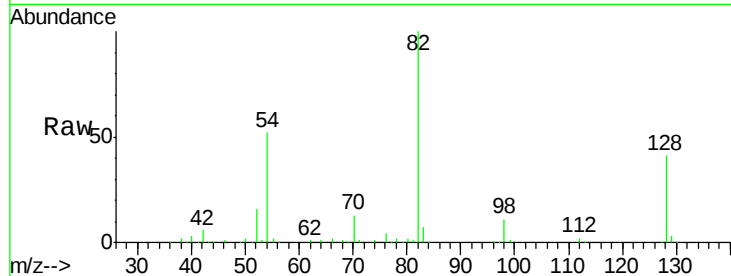
#23
 Nitrobenzene-d5
 Concen: 27.74 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	35.9	53.9
54	51.6	40.9	61.3

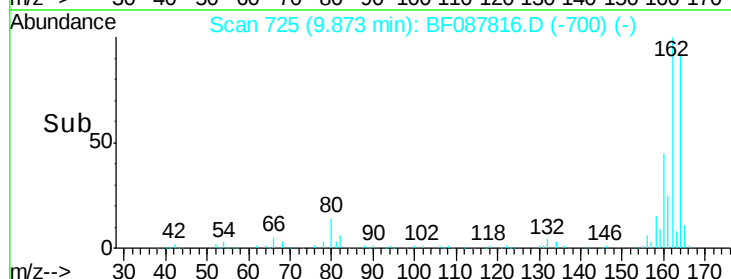
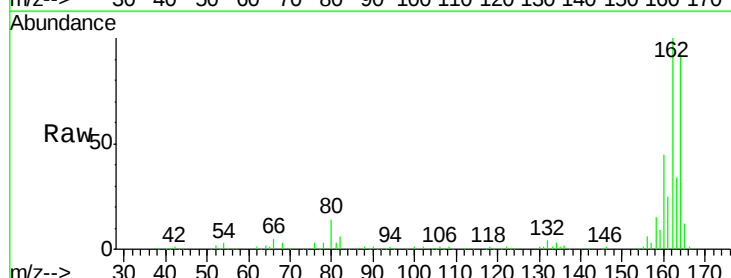
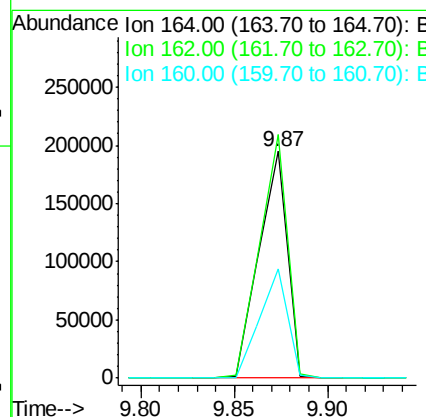
Manual Integrations
 APPROVED

sohil
 6/9/2016 8:02:57 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.4	85.4	128.2
160	48.1	39.5	59.3





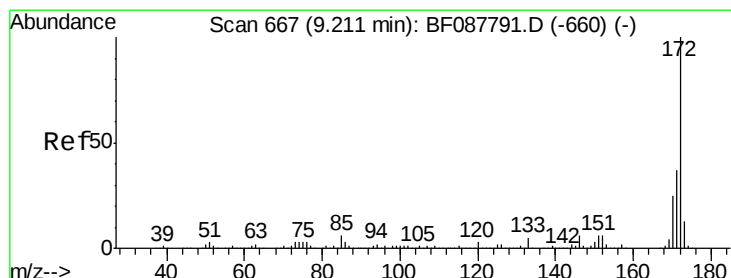
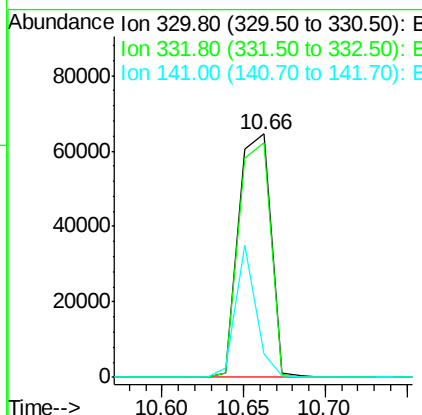
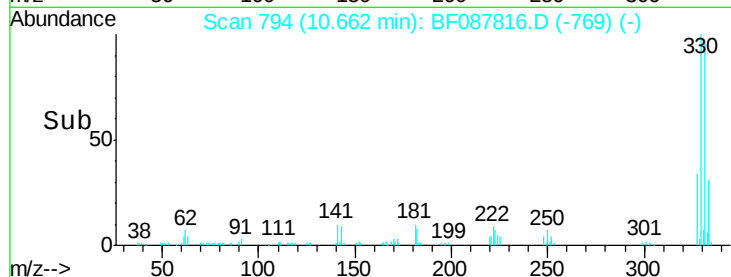
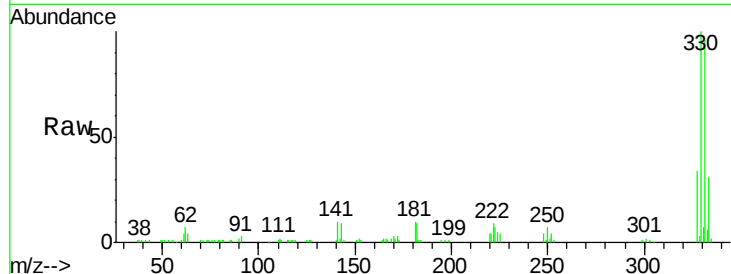
#41
 2,4,6-Tribromophenol
 Concen: 40.60 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-17

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	34.6	0.0	0.0#

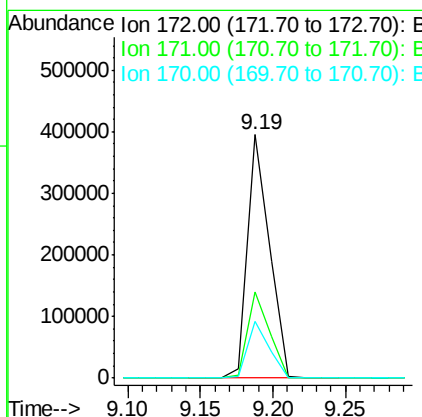
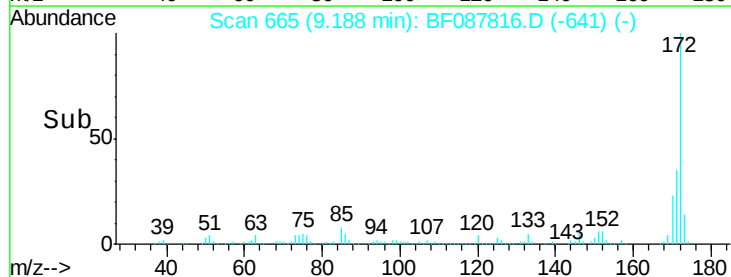
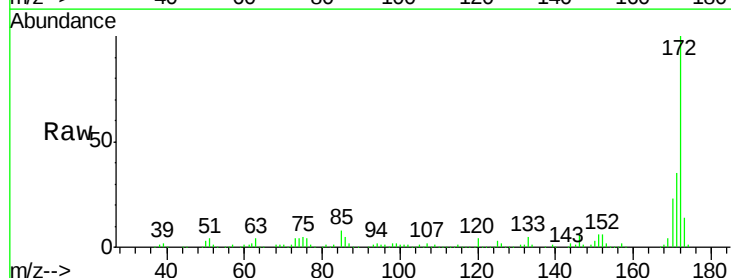
Manual Integrations
 APPROVED

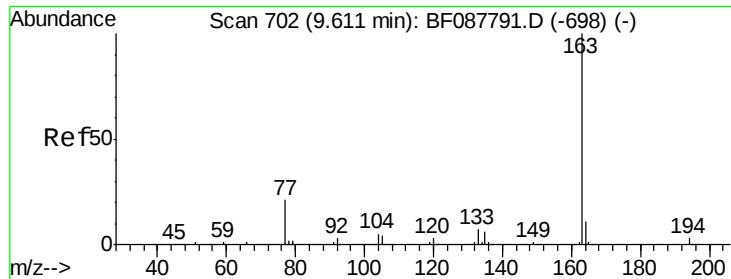
sohil
 6/9/2016 8:02:57 PM



#44
 2-Fluorobiphenyl
 Concen: 28.30 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087816.D
 Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.3	19.2	28.8





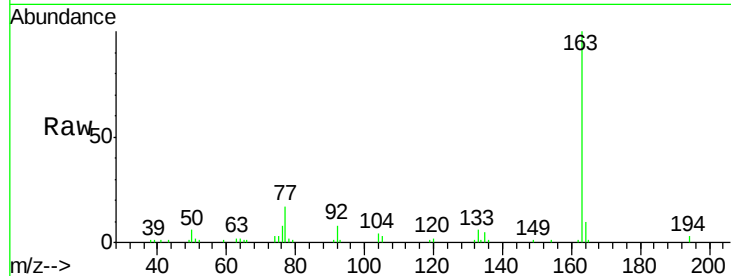
#49
Dimethylphthalate
Concen: 2.84 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Instrument :
BNA_F
ClientSampleId :
SS-17

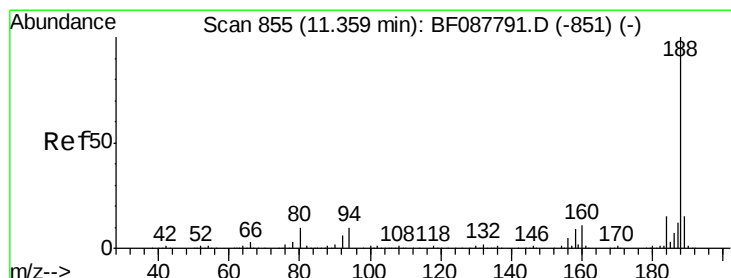
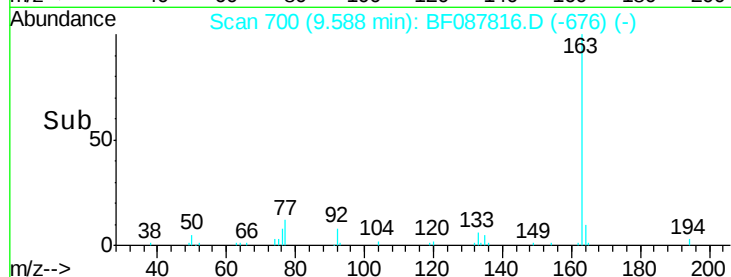
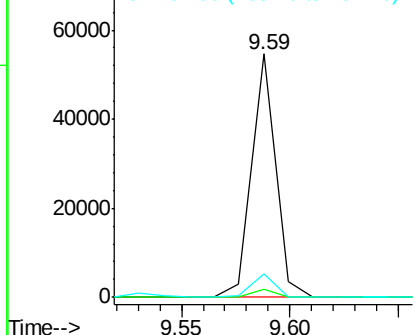
Tot Ion	Ratio	Resp	Lower	Upper
163	100	41907		
194	3.2		2.8	4.2
164	9.7		8.3	12.5

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM

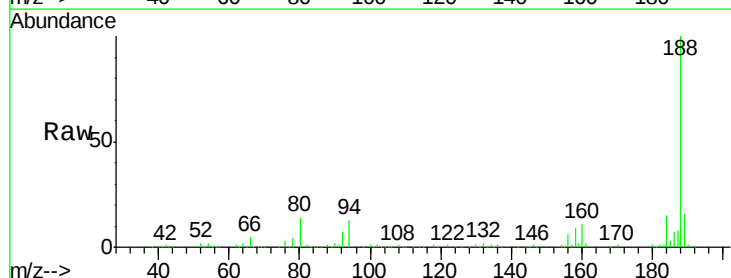


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

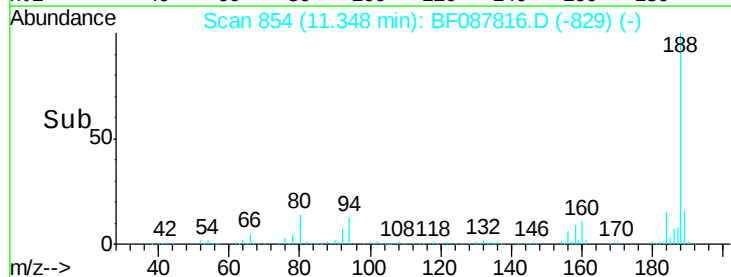
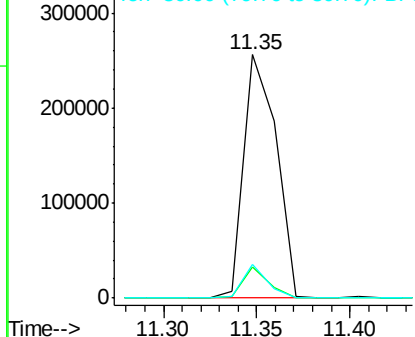


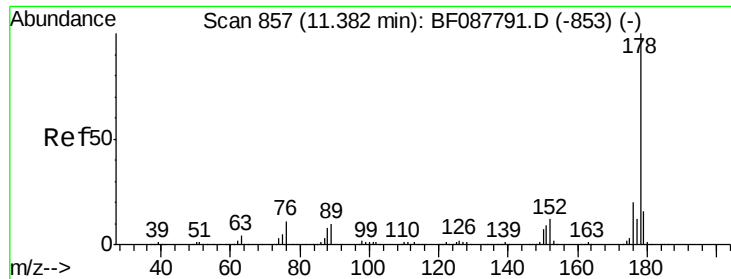
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	310157		
94	12.7		9.0	13.6
80	13.7		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: 20.46 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

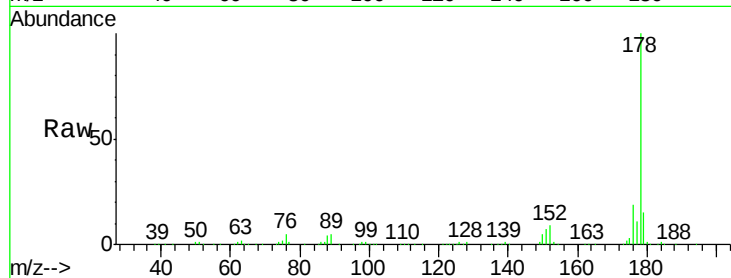
ClientSampleId :

SS-17

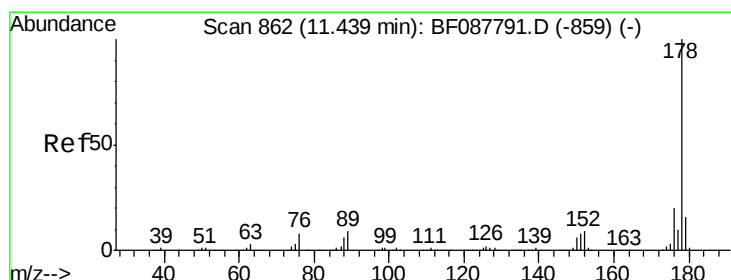
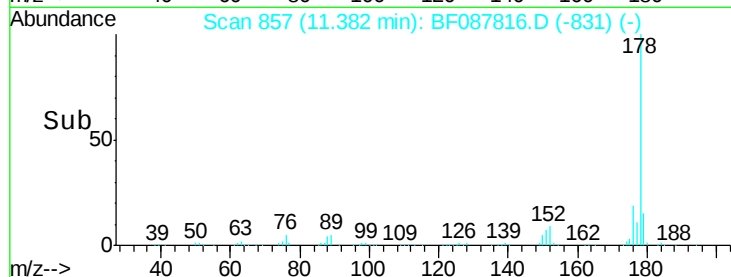
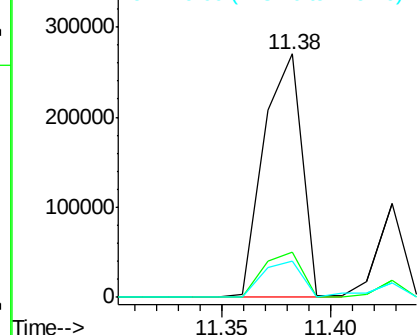
Tot Ion:	178	Resp:	332926
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.6
179	14.9	13.0	19.4

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 5.39 ng

RT: 11.43 min Scan# 861

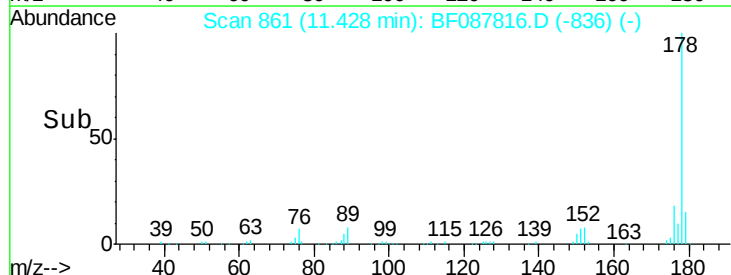
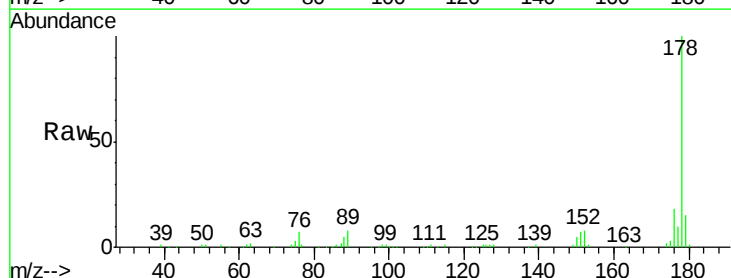
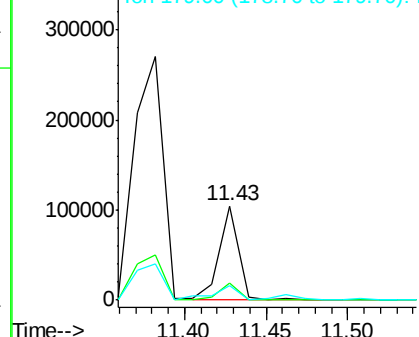
Delta R.T. -0.01 min

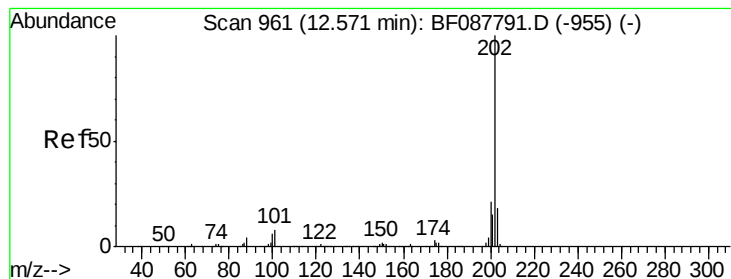
Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Tgt Ion:	178	Resp:	88547
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.6	23.4
179	15.1	12.8	19.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 18.45 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

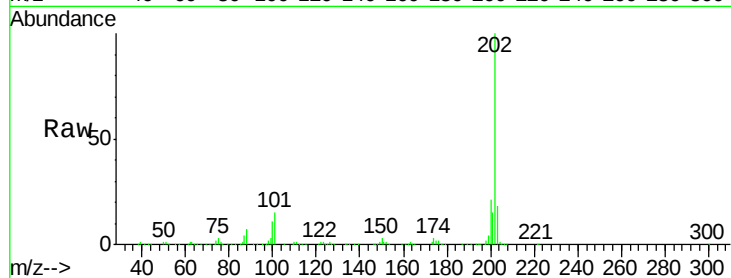
ClientSampleId :

SS-17

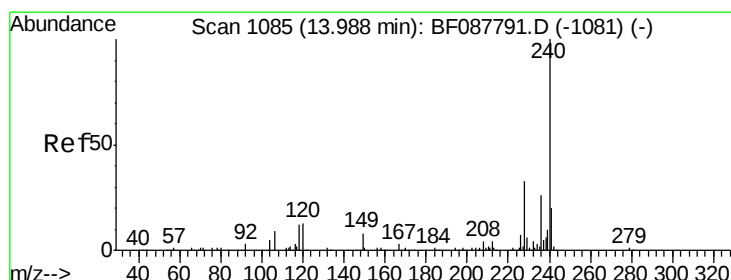
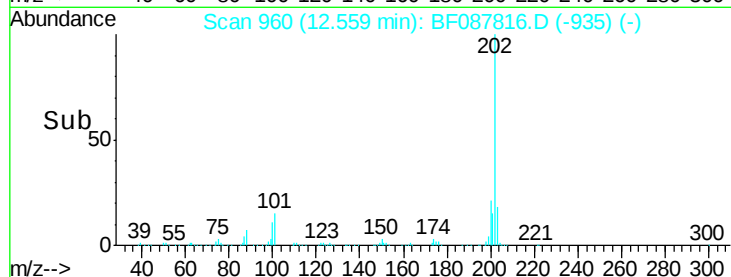
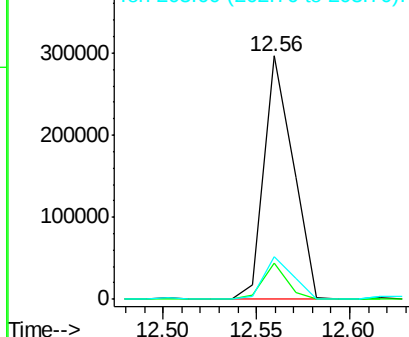
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		316922		
101	14.8	0.0	33.1		
203	17.7	0.0	38.1		

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

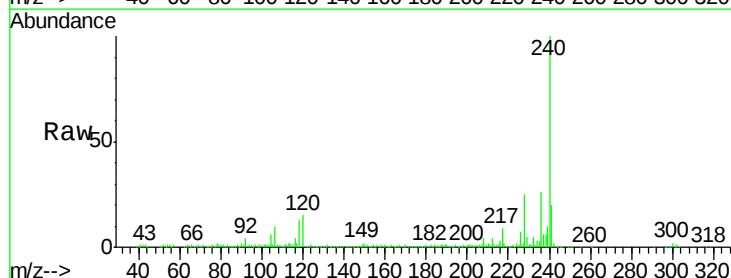
RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

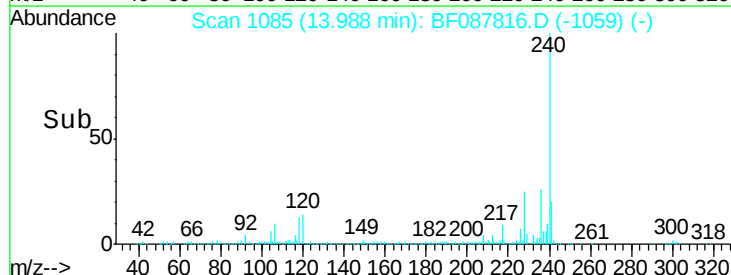
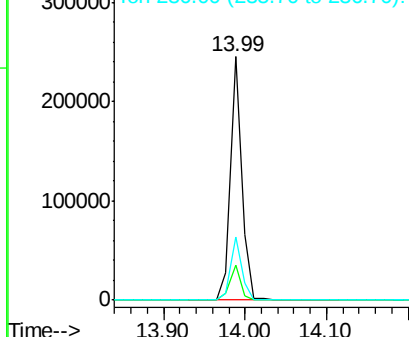
Lab File: BF087816.D

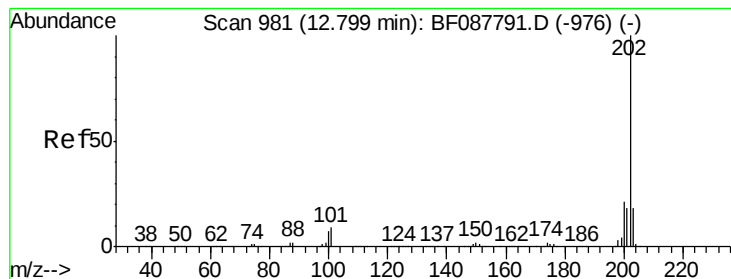
Acq: 8 Jun 2016 18:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		237599		
120	14.6	6.8	10.2#		
236	26.0	20.2	30.2		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.32 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

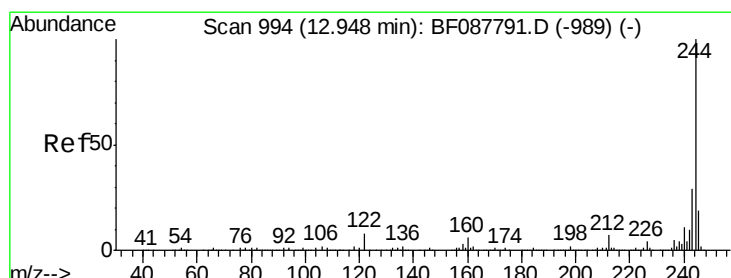
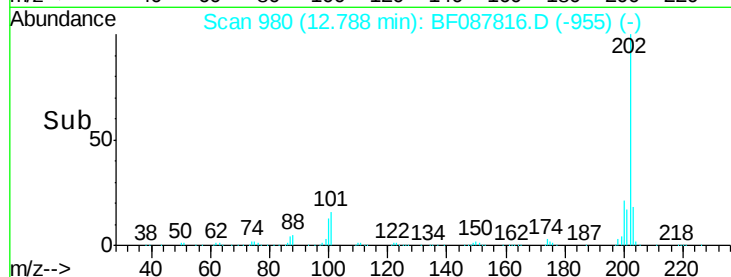
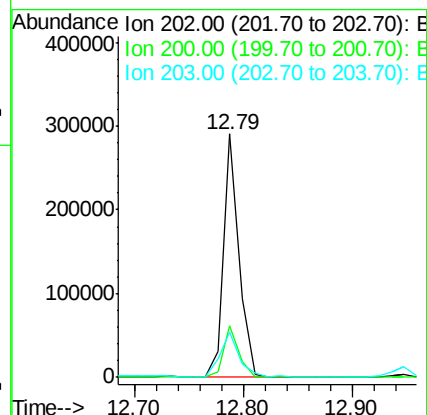
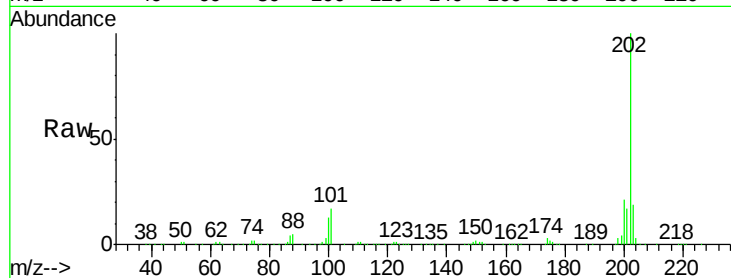
ClientSampleId :

SS-17

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		287737		
200	21.0	17.4	26.2		
203	18.5	14.5	21.7		

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



#78

Terphenyl-d14

Concen: 25.20 ng

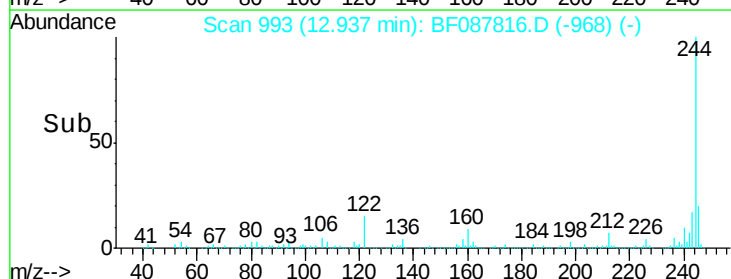
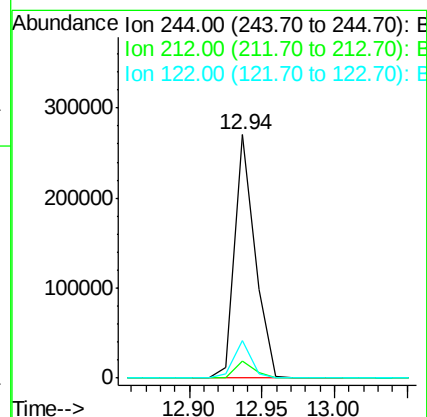
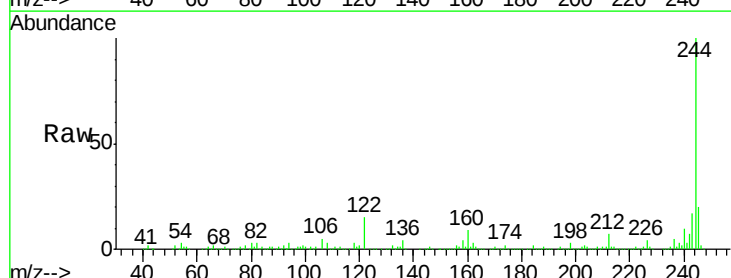
RT: 12.94 min Scan# 993

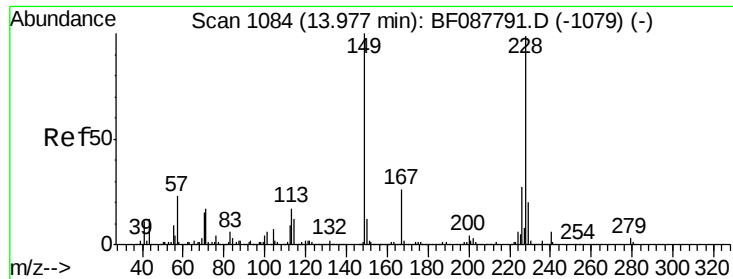
Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		263071		
212	7.1	6.0	9.0		
122	15.5	11.2	16.8		





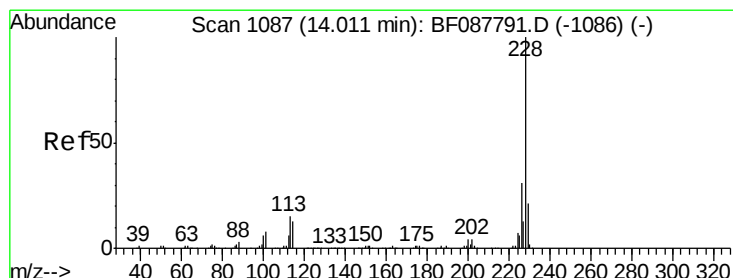
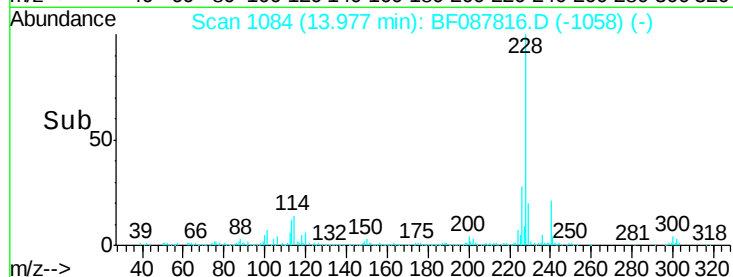
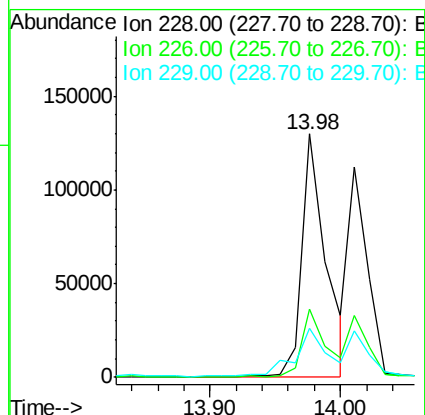
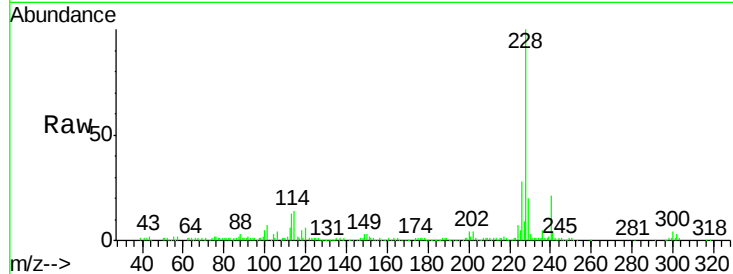
#80
Benzo(a)anthracene
Concen: 12.47 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Instrument :
BNA_F
ClientSampleId :
SS-17

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	20.2	16.0	24.0

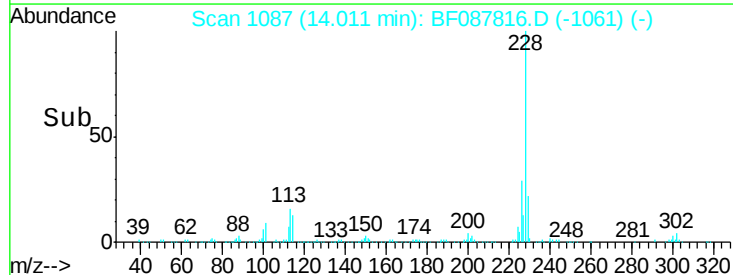
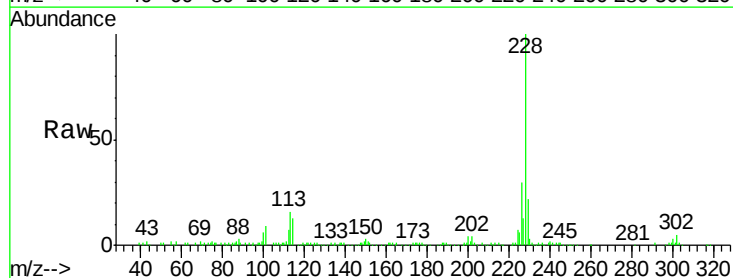
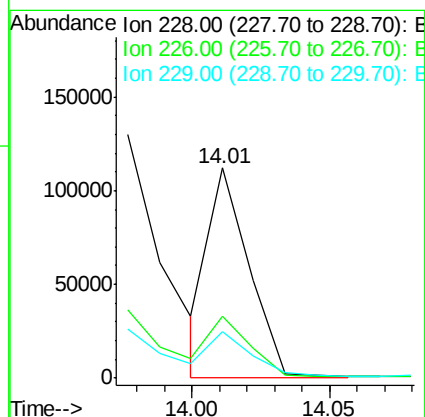
Manual Integrations
APPROVED

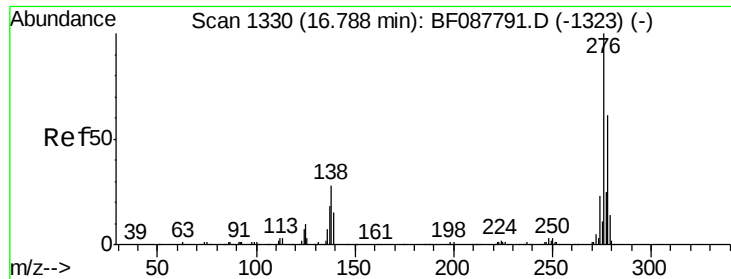
sohil
6/9/2016 8:02:57 PM



#82
Chrysene
Concen: 9.08 ng m
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	22.3	16.3	24.5





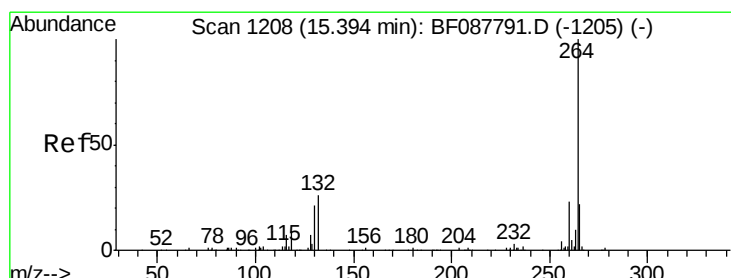
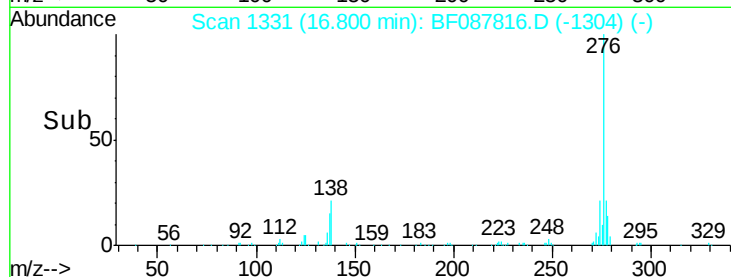
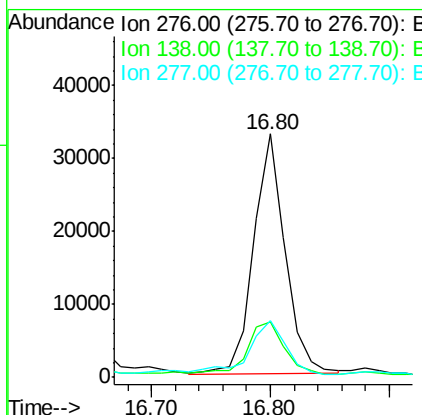
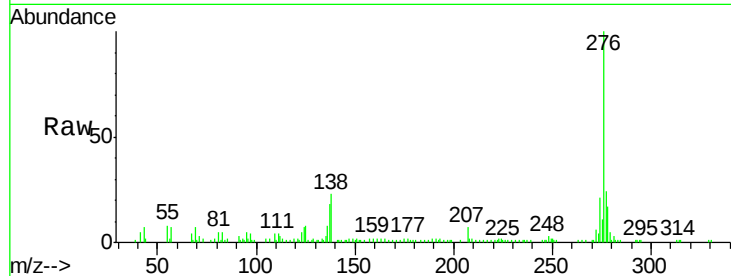
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.13 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Instrument :
BNA_F
ClientSampleId :
SS-17

Tot Ion	Ratio	Resp	Lower	Upper
276	100	60693		
138	26.4	0.0	0.0	0.0
277	28.7	0.0	0.0	0.0

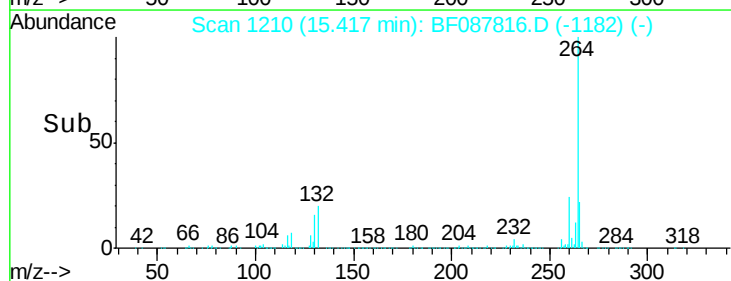
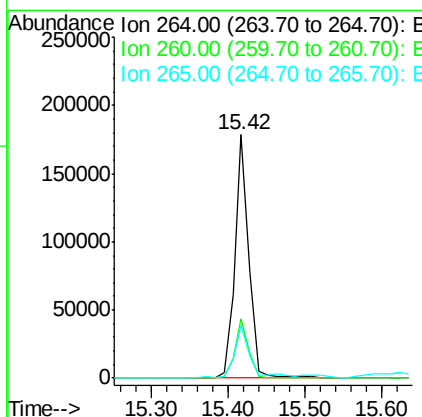
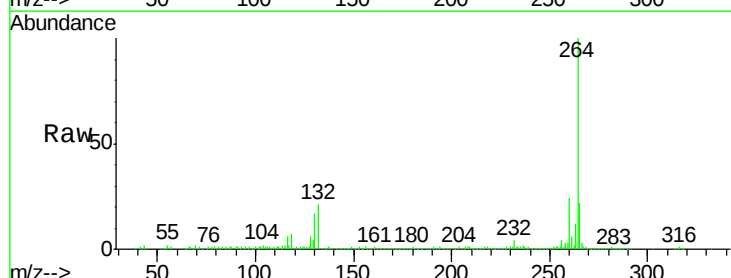
Manual Integrations
APPROVED

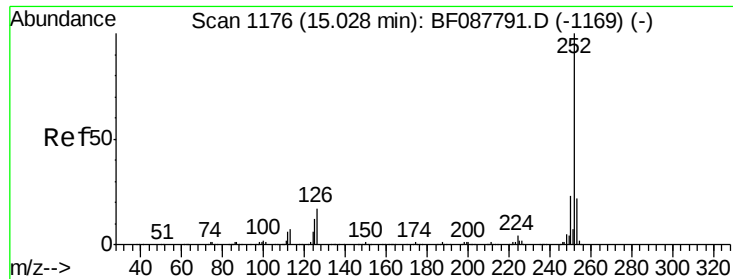
sohil
6/9/2016 8:02:57 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	230669		
260	24.1	19.2	28.8	
265	21.9	16.9	25.3	





#87

Benzo(b)fluoranthene

Concen: 9.05 ng m

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Instrument :

BNA_F

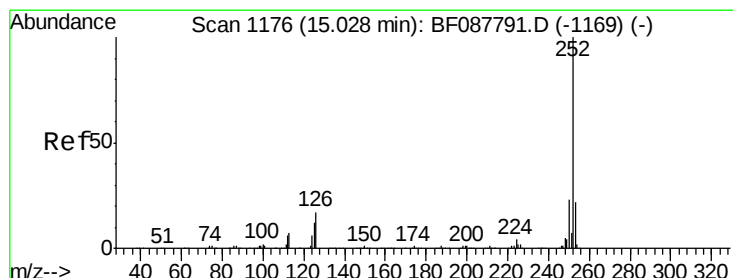
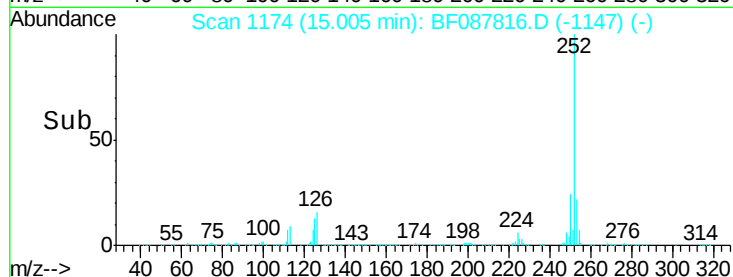
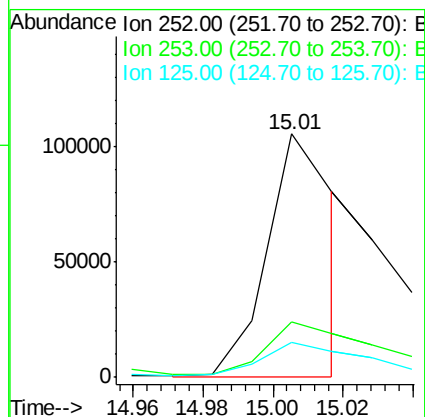
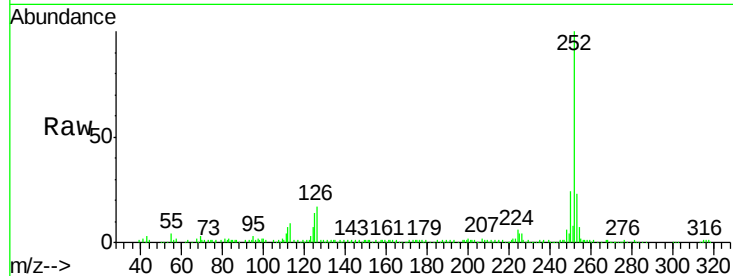
ClientSampleId :

SS-17

Tot Ion:	252	Resp:	145526
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.2
125	14.3	7.1	10.7#

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



#88

Benzo(k)fluoranthene

Concen: 5.73 ng m

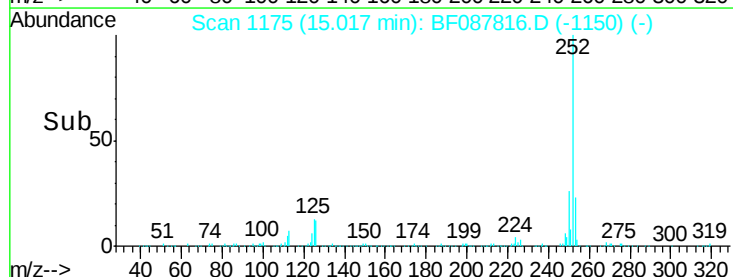
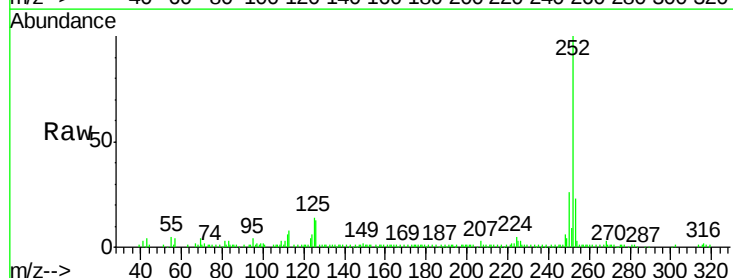
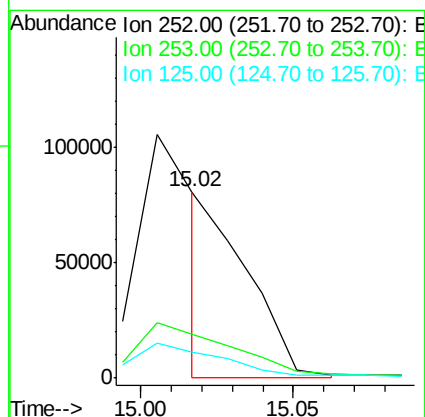
RT: 15.02 min Scan# 1175

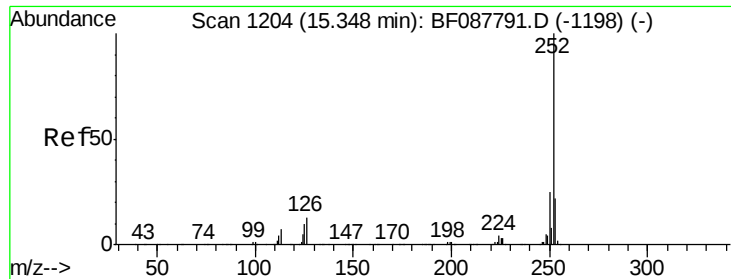
Delta R.T. -0.01 min

Lab File: BF087816.D

Acq: 8 Jun 2016 18:20

Tgt Ion:	252	Resp:	69475
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.0	27.0
125	13.7	11.2	16.8





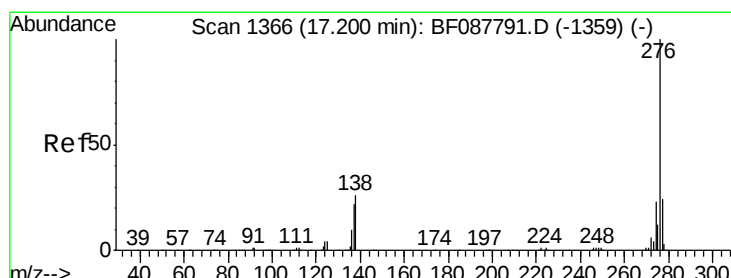
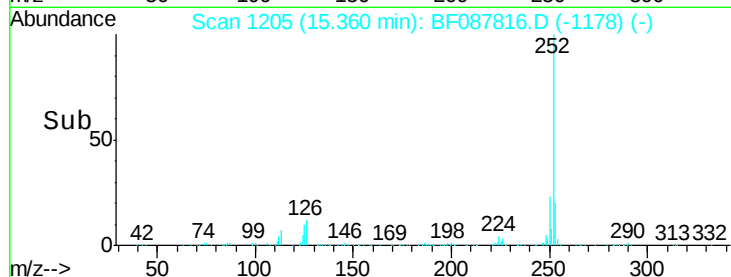
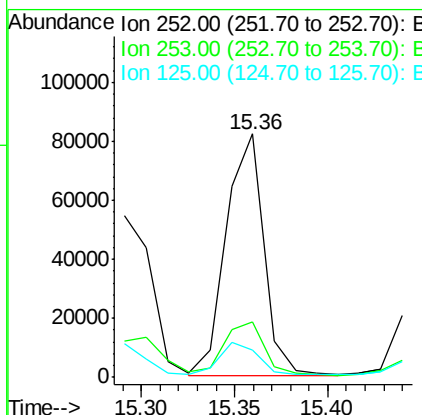
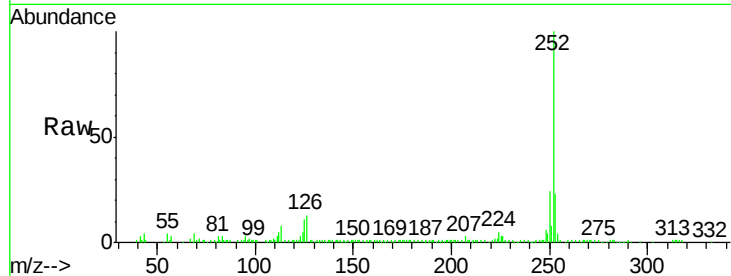
#89
Benzo(a)pyrene
Concen: 8.97 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Instrument :
BNA_F
ClientSampleId :
SS-17

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	17.9	26.9
125	11.2	12.5	18.7#

Manual Integrations
APPROVED

sohil
6/9/2016 8:02:57 PM



#91
Benzo(g,h,i)perylene
Concen: 4.74 ng
RT: 17.21 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF087816.D
Acq: 8 Jun 2016 18:20

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	18.9	28.3
138	26.1	21.4	32.2

