

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087826.D
 Acq On : 8 Jun 2016 23:15
 Operator : UM/SJ
 Sample : H3399-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:04:14 PM

Quant Time: Jun 09 05:07:25 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	80922	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	356733	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	145875	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	222416	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	190996	20.00	ng	0.00
86) Perylene-d12	15.42	264	158848	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	233821	49.40	ng	-0.01
7) Phenol-d6	6.46	99	320690	55.90	ng	-0.02
23) Nitrobenzene-d5	7.38	82	153254	25.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	51815	33.64	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	310864	29.89	ng	-0.02
78) Terphenyl-d14	12.94	244	213985	25.49	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.38	178	100629	8.62	ng	97
71) Anthracene	11.43	178	29310	2.49	ng	97
74) Fluoranthene	12.56	202	141659	11.50	ng	97
77) Pyrene	12.79	202	132546	9.35	ng	97
79) Butylbenzylphthalate	13.42	149	96070	15.33	ng	# 78
80) Benzo(a)anthracene	13.98	228	82839	7.61	ng	99
82) Chrysene	14.01	228	55127m	5.38	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	26549	2.79	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	65348m	5.90	ng	
88) Benzo(k)fluoranthene	15.02	252	27435m	3.28	ng	
89) Benzo(a)pyrene	15.35	252	47645	5.32	ng	97
91) Benzo(a,h,i)perylene	17.21	276	25648	3.00	ng	97

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

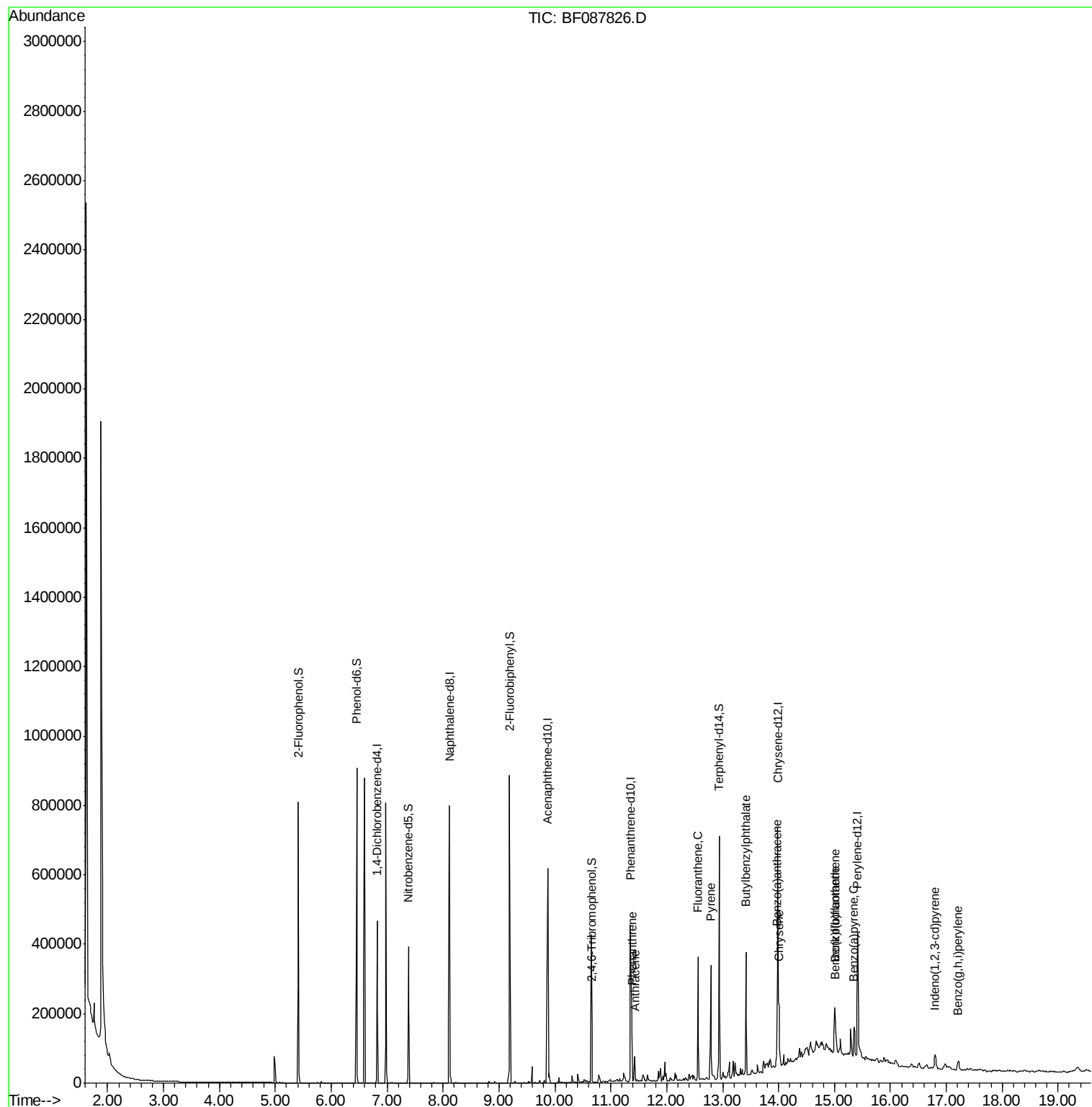
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087826.D
Acq On : 8 Jun 2016 23:15
Operator : UM/SJ
Sample : H3399-05 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

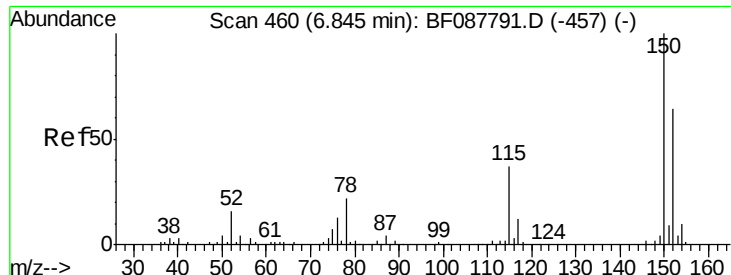
Instrument :
BNA_F
ClientSampleId :
SS-26

Manual Integrations
APPROVED

sohil
6/9/2016 8:04:14 PM

Quant Time: Jun 09 05:07:25 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

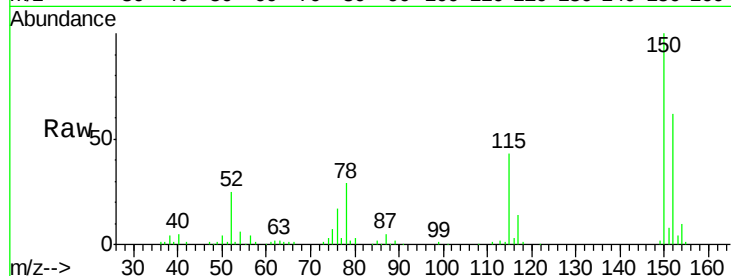
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

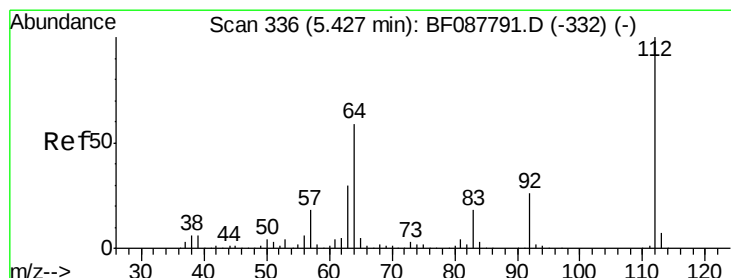
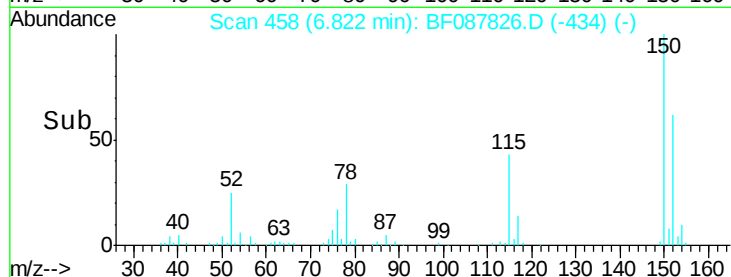
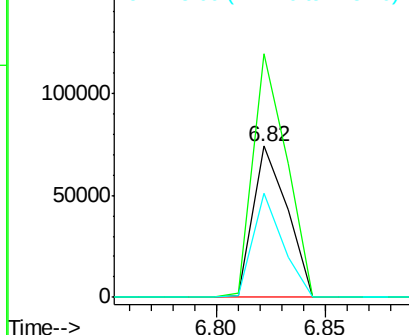
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	123.8	185.6
115	69.2	39.6	59.4

Manual Integrations
APPROVED

sohil
6/9/2016 8:04:14 PM



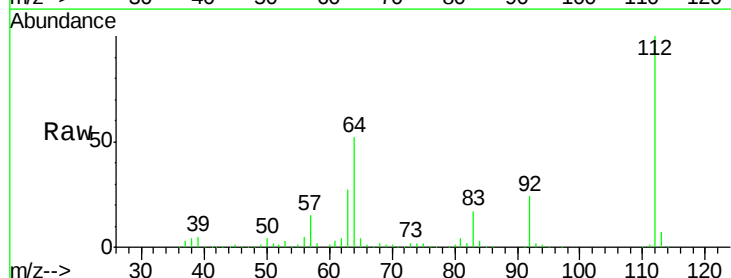
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



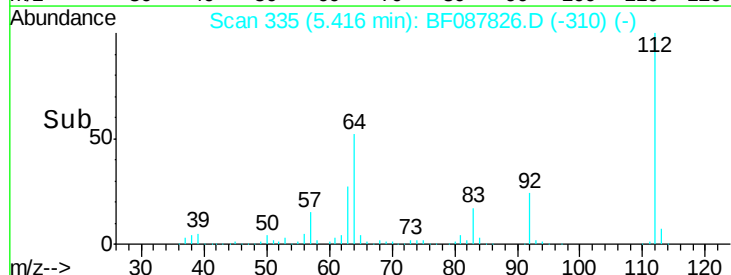
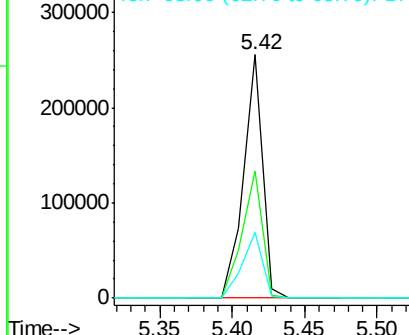
#5

2-Fluorophenol
Concen: 49.40 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.2	63.2
63	27.2	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: 55.90 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Instrument :

BNA_F

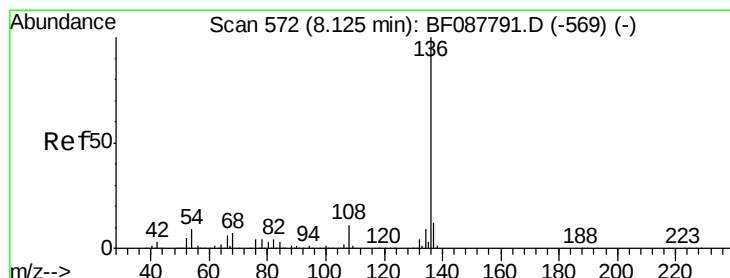
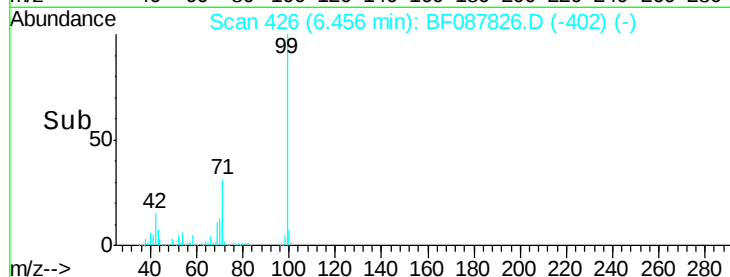
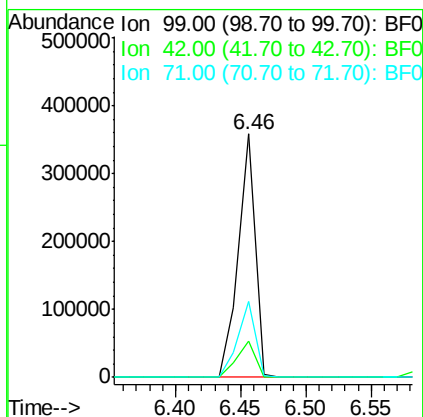
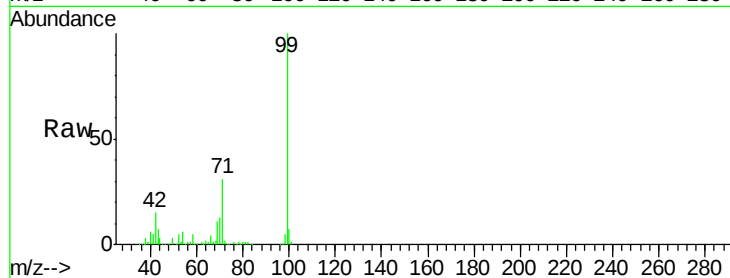
ClientSampleId :

SS-26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		320690		
42	14.8	12.2	18.2		
71	31.4	23.4	35.0		

Manual Integrations
APPROVED

sohil
6/9/2016 8:04:14 PM



#21

Naphthalene-d8

Concen: 20.00 ng

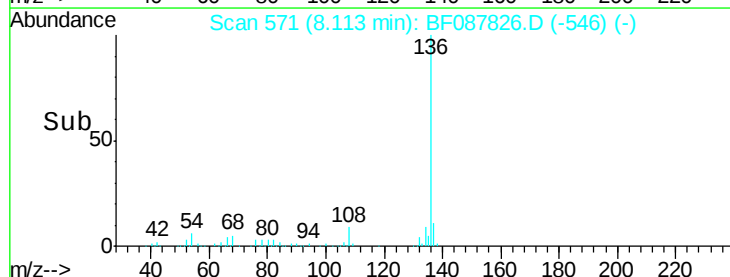
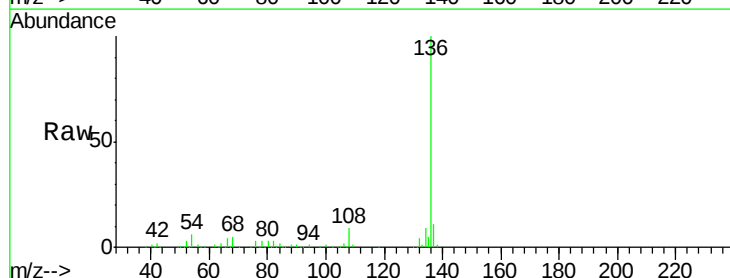
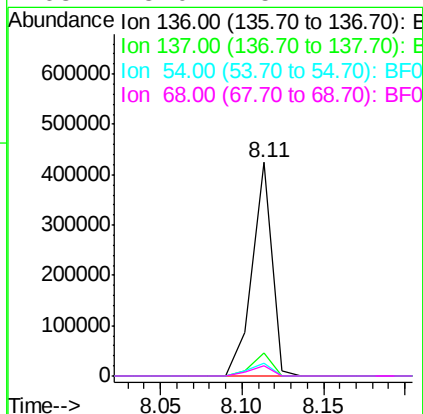
RT: 8.11 min Scan# 571

Delta R.T. -0.01 min

Lab File: BF087826.D

Acq: 8 Jun 2016 23:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		356733		
137	10.9	9.1	13.7		
54	6.0	6.6	10.0#		
68	5.0	5.1	7.7#		





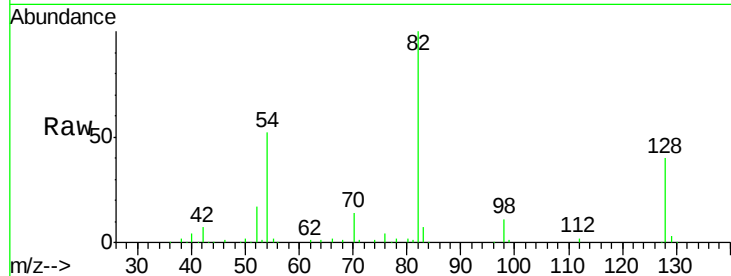
#23
 Nitrobenzene-d5
 Concen: 25.09 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampled :
 SS-26

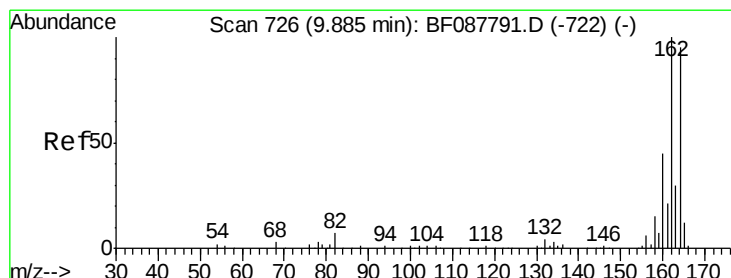
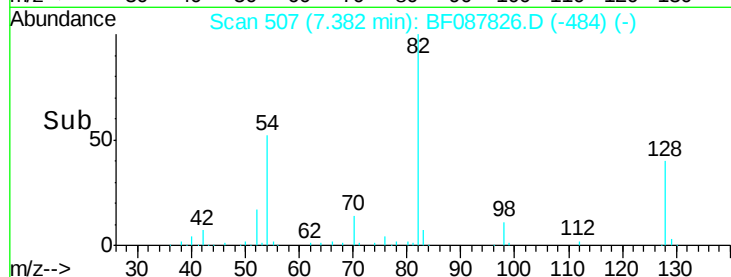
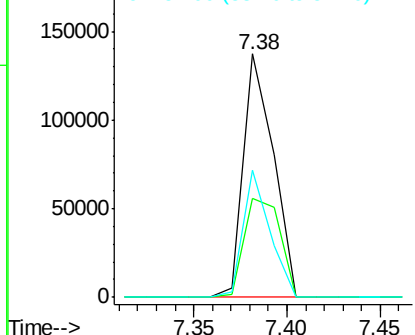
Tot Ion:	82	Resp:	153254
Ion Ratio	Lower	Upper	
82	100		
128	40.4	35.9	53.9
54	52.1	40.9	61.3

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:04:14 PM



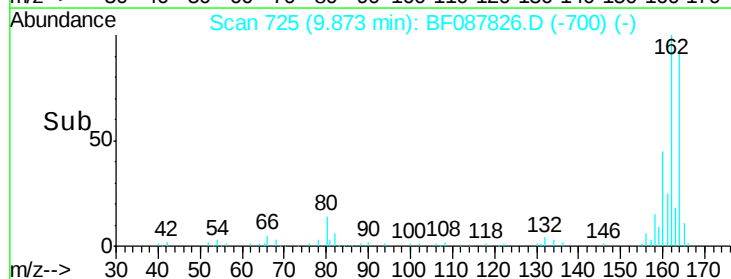
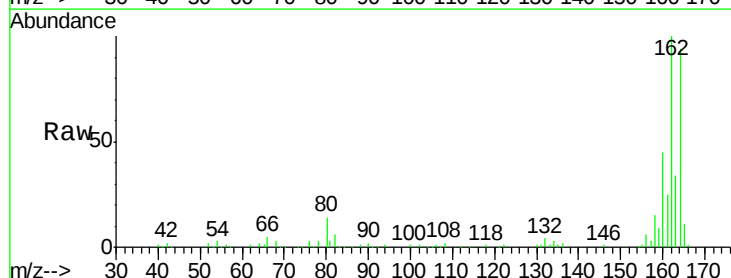
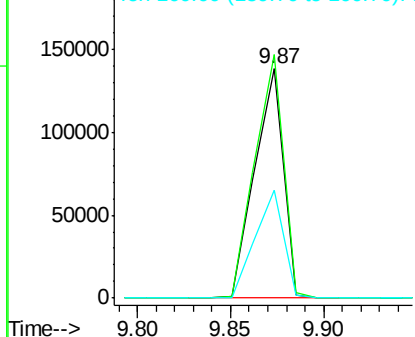
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion:	164	Resp:	145875
Ion Ratio	Lower	Upper	
164	100		
162	106.3	85.4	128.2
160	47.3	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





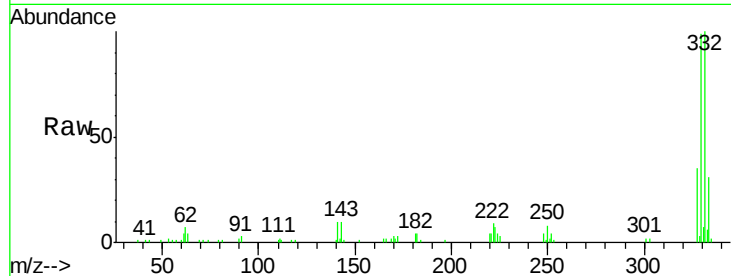
#41
 2,4,6-Tribromophenol
 Concen: 33.64 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampled :
 SS-26

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	98.2	0.0	0.0#
141	37.1	0.0	0.0#

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:04:14 PM

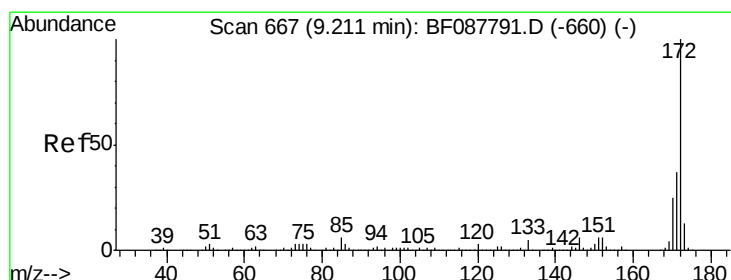
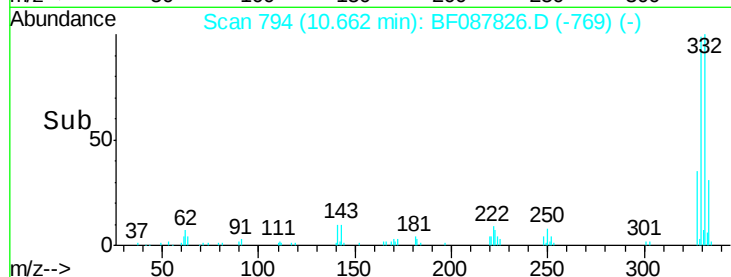
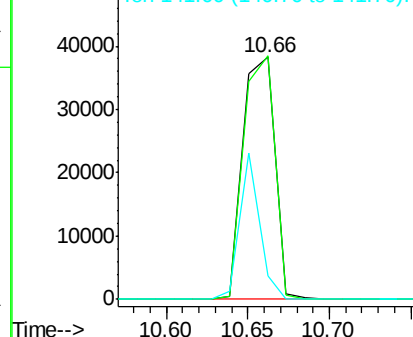


Abundance

Ion 329.80 (329.50 to 330.50): E

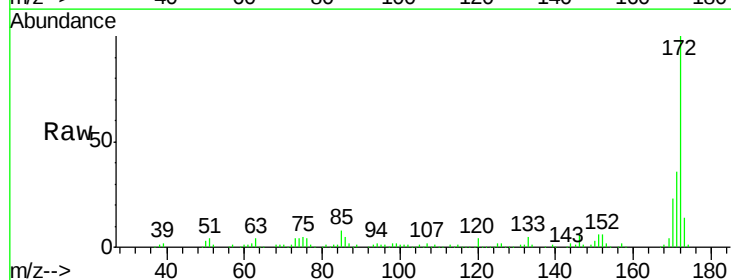
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 29.89 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.5	19.2	28.8

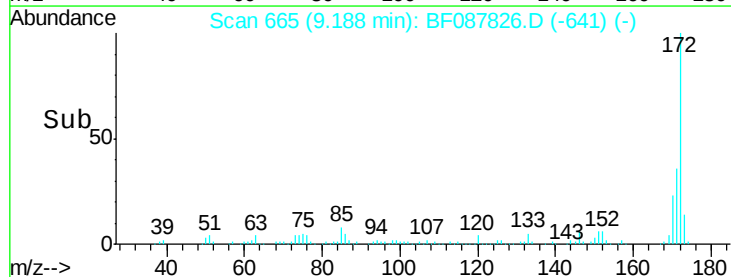
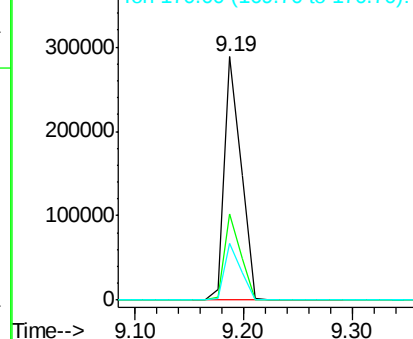


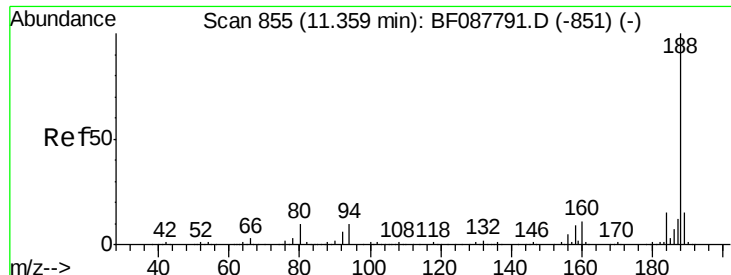
Abundance

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





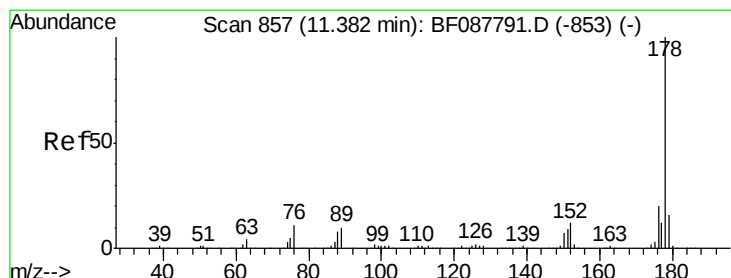
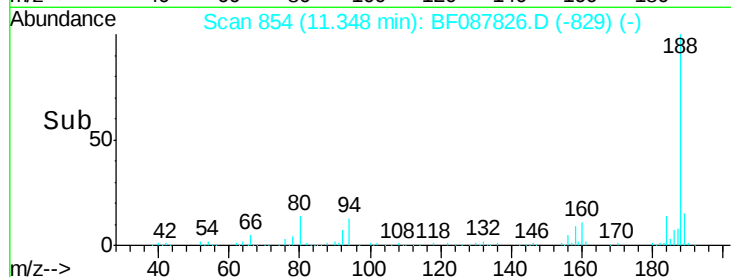
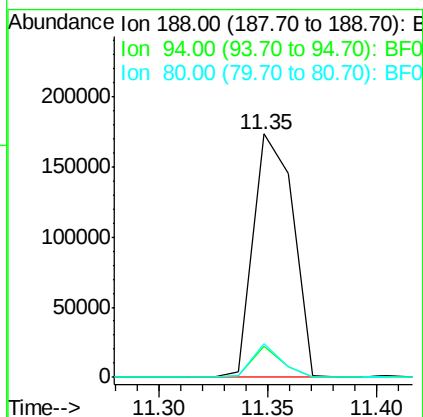
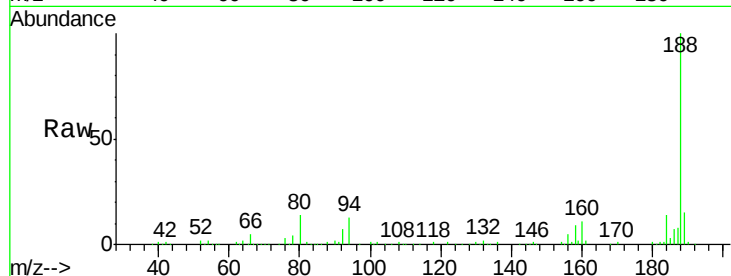
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

Tot Ion	Ratio	Resp	Lower	Upper
188	100	222416		
94	13.0		9.0	13.6
80	13.7		10.0	15.0

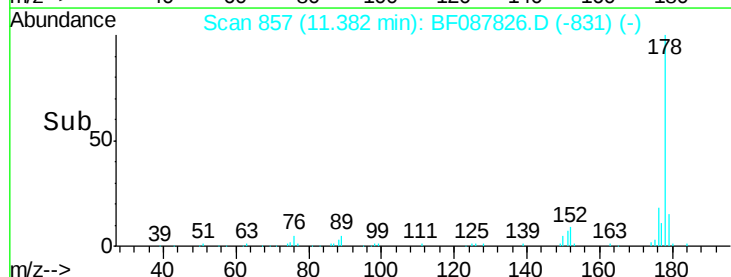
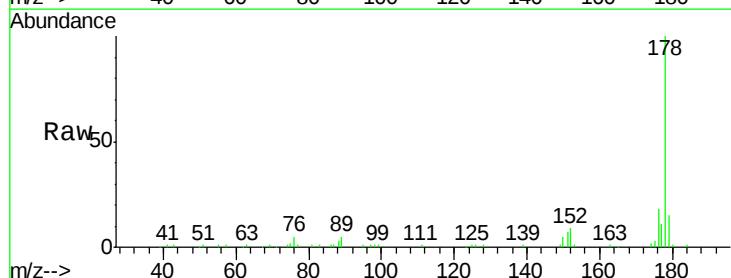
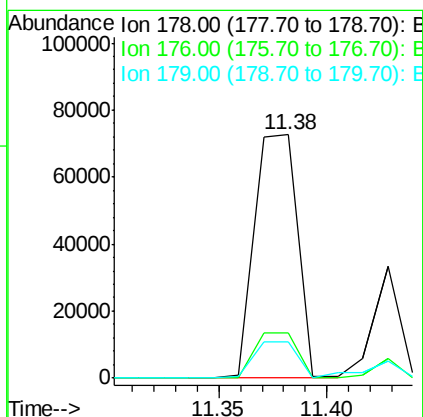
Manual Integrations
APPROVED

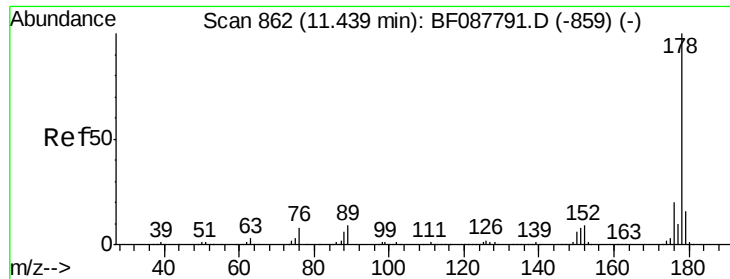
sohil
6/9/2016 8:04:14 PM



#70
Phenanthrene
Concen: 8.62 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	100629		
176	18.3		15.8	23.6
179	14.8		13.0	19.4





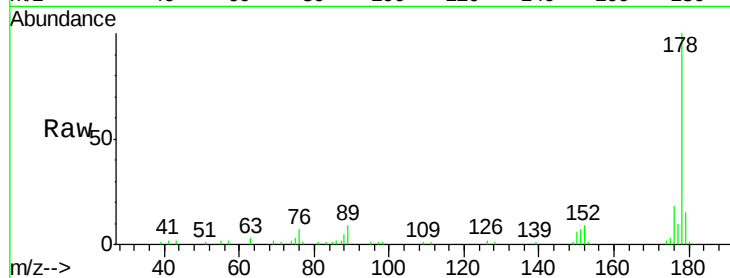
#71
 Anthracene
 Concen: 2.49 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampleID :
 SS-26

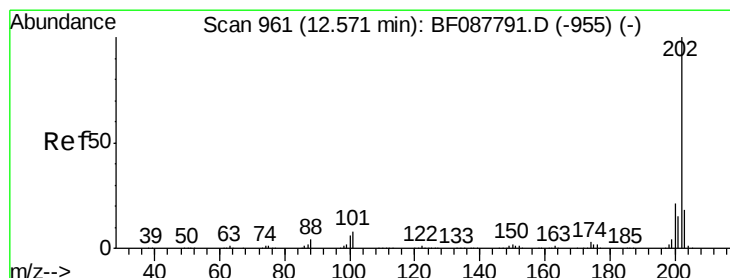
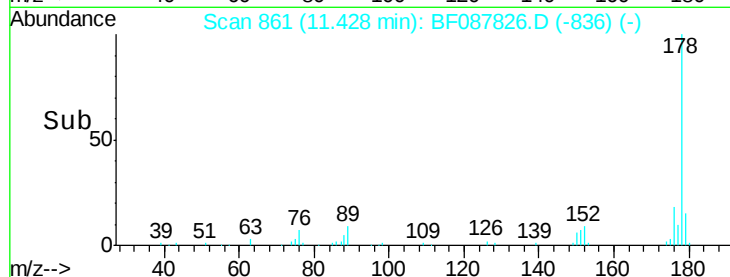
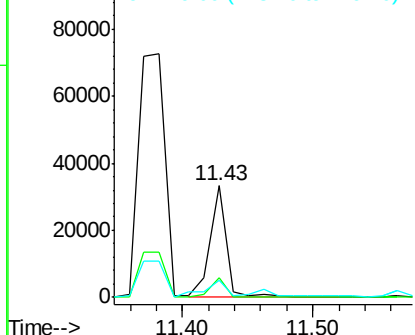
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.6	23.4
179	15.2	12.8	19.2

Manual Integrations
 APPROVED

sohil
 6/9/2016 8:04:14 PM



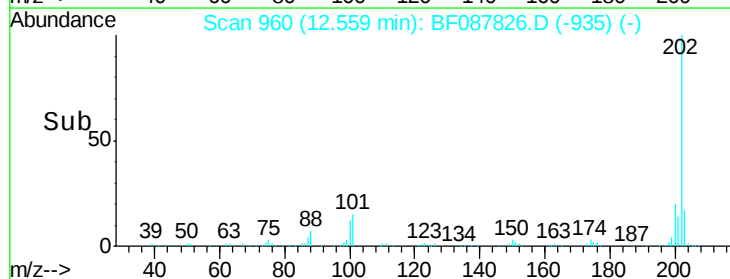
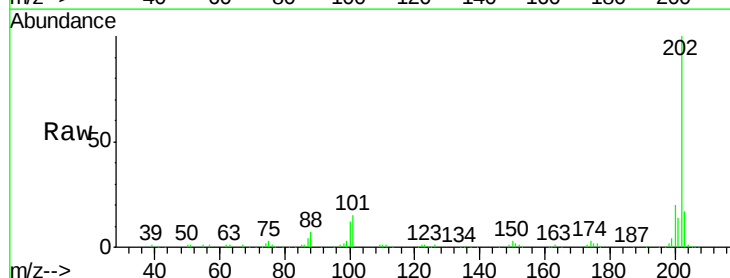
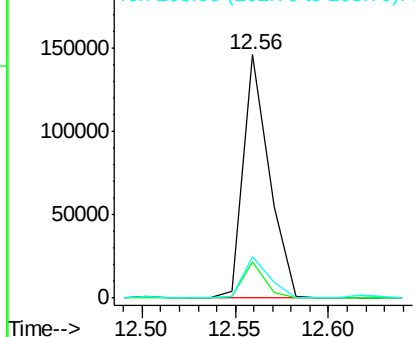
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

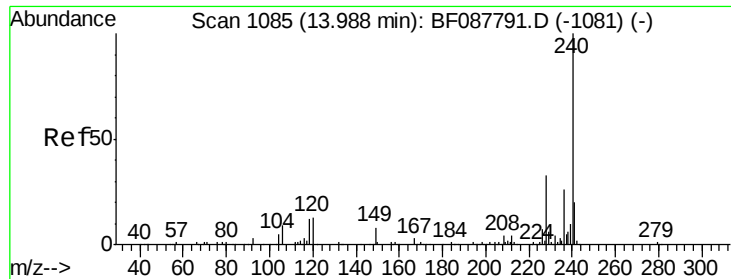


#74
 Fluoranthene
 Concen: 11.50 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	33.1
203	17.2	0.0	38.1

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





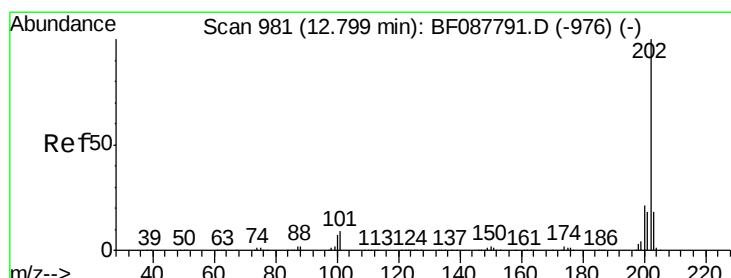
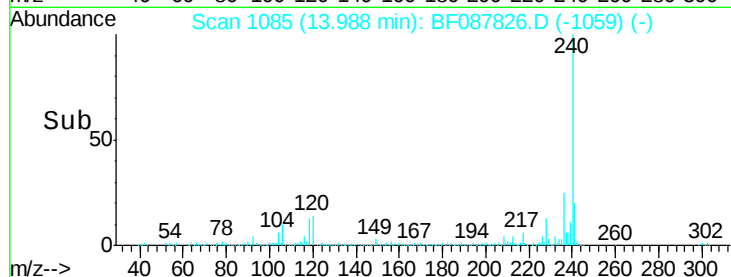
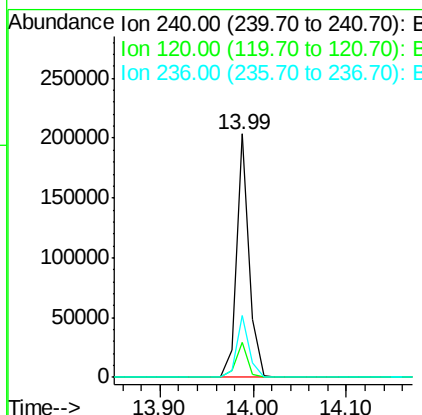
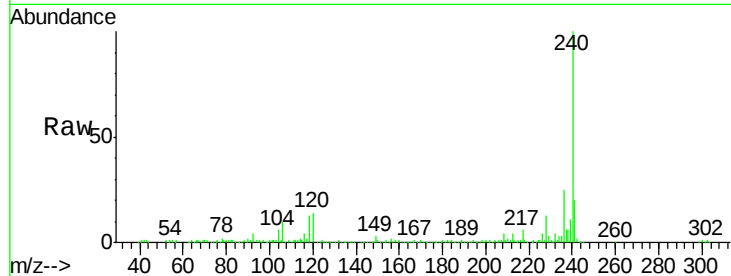
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

Tot Ion	Ratio	Resp	Lower	Upper
240	100	190996		
120	14.3	6.8	10.2	
236	25.2	20.2	30.2	

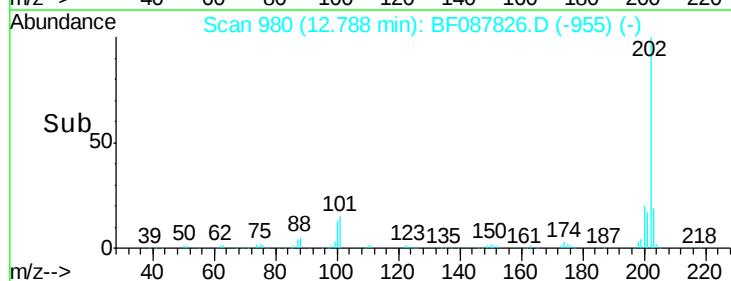
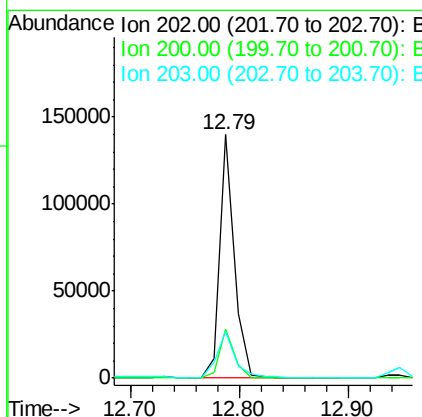
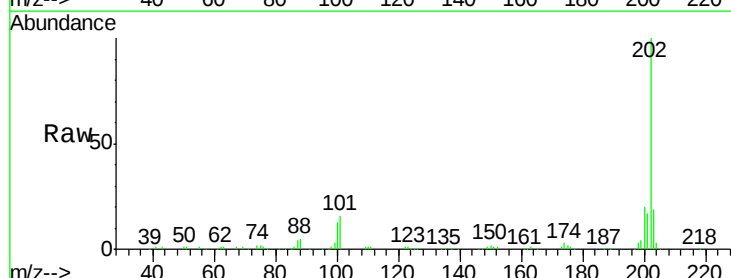
Manual Integrations
APPROVED

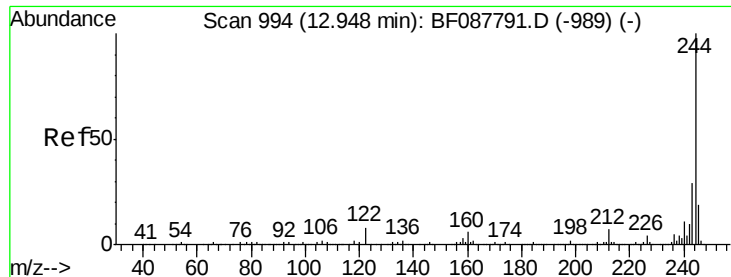
sohil
6/9/2016 8:04:14 PM



#77
Pyrene
Concen: 9.35 ng
RT: 12.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	132546		
200	20.2	17.4	26.2	
203	19.1	14.5	21.7	





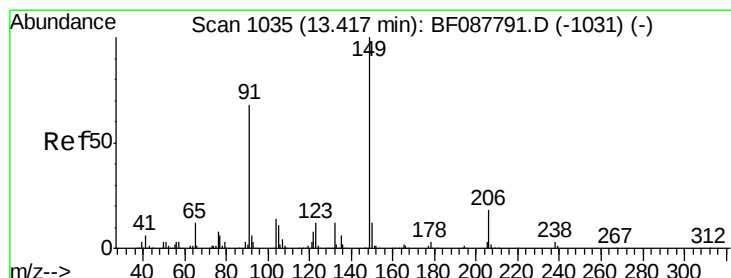
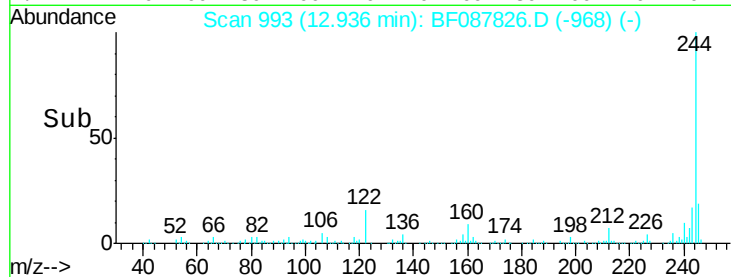
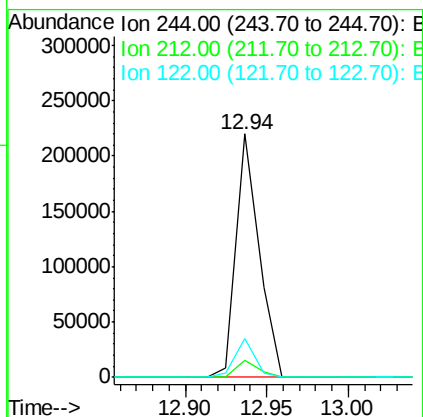
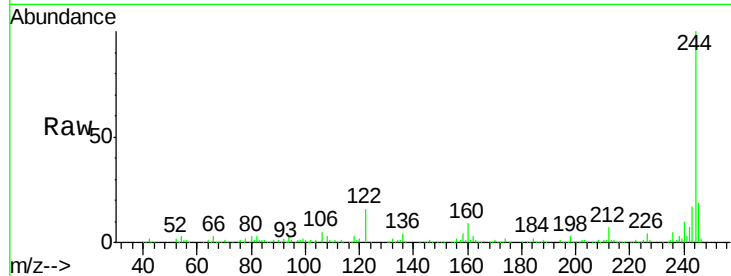
#78
 Terphenyl-d14
 Concen: 25.49 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampled :
 SS-26

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.8	11.2	16.8

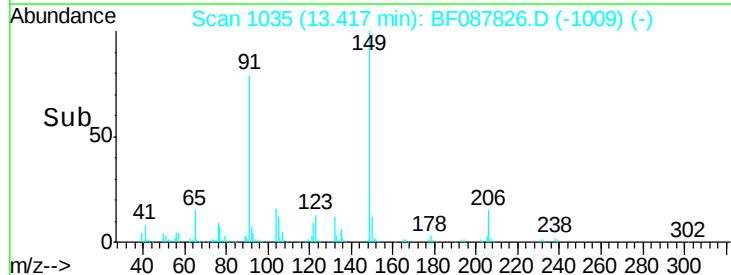
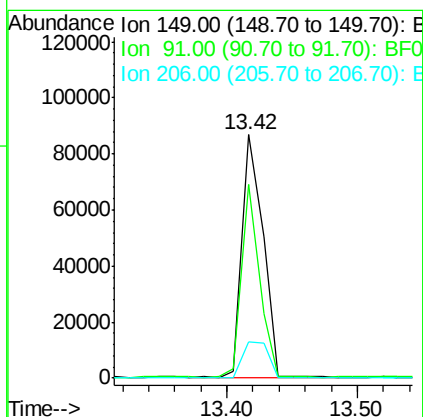
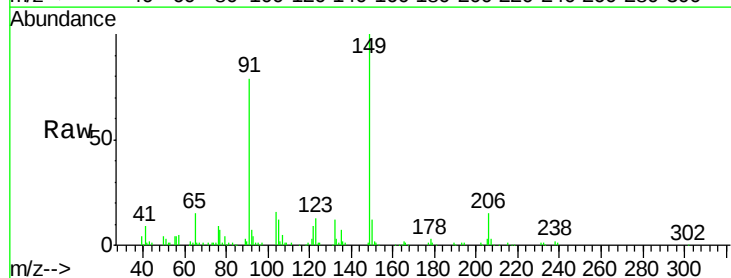
Manual Integrations
 APPROVED

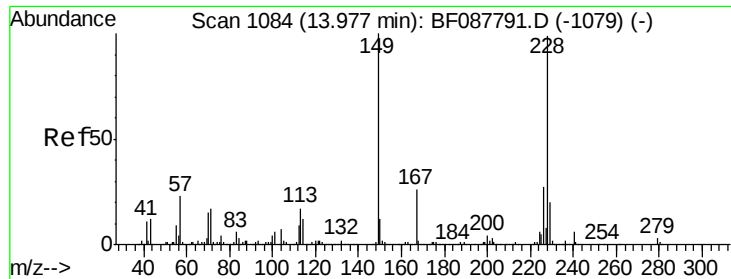
sohil
 6/9/2016 8:04:14 PM



#79
 Butylbenzylphthalate
 Concen: 15.33 ng
 RT: 13.42 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	79.4	48.0	72.0#
206	14.9	16.0	24.0#





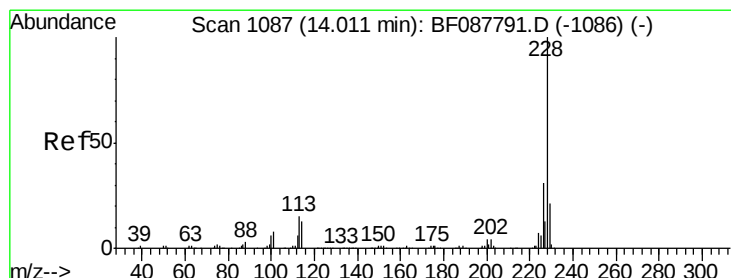
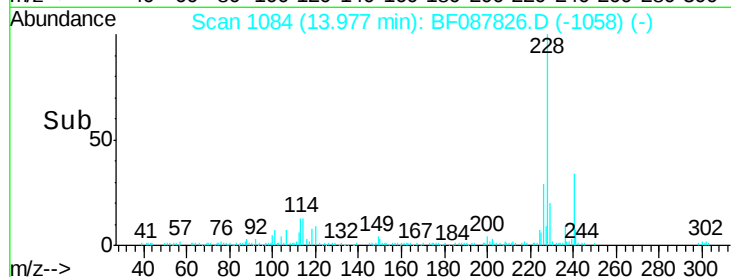
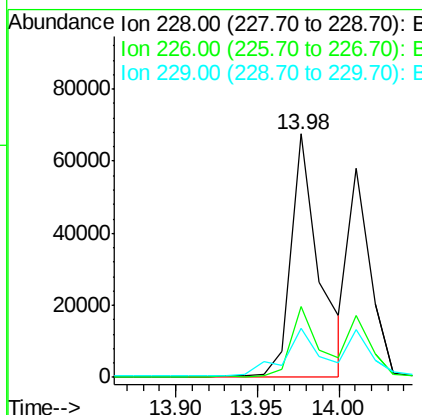
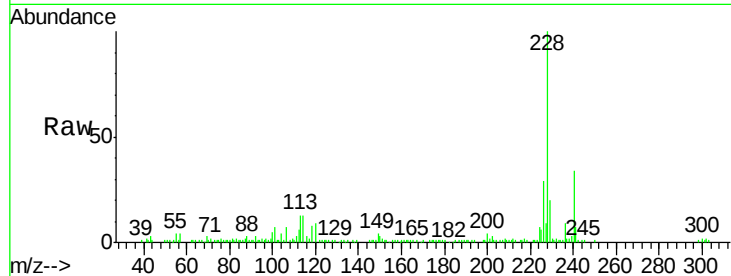
#80
Benzo(a)anthracene
Concen: 7.61 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

Tot Ion:	228	Resp:	82839
Ion Ratio		Lower	Upper
228	100		
226	28.9	22.3	33.5
229	20.2	16.0	24.0

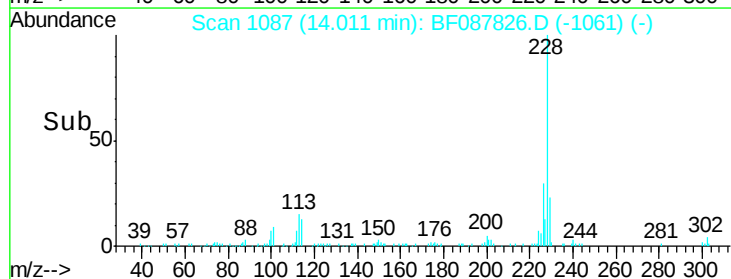
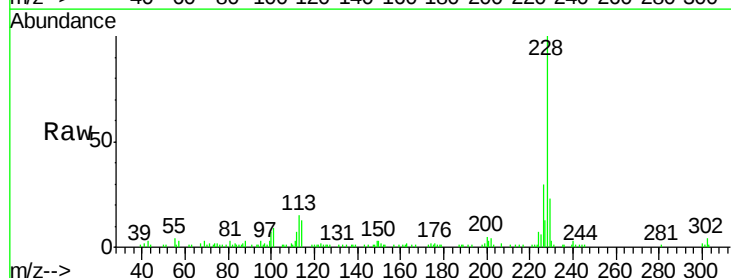
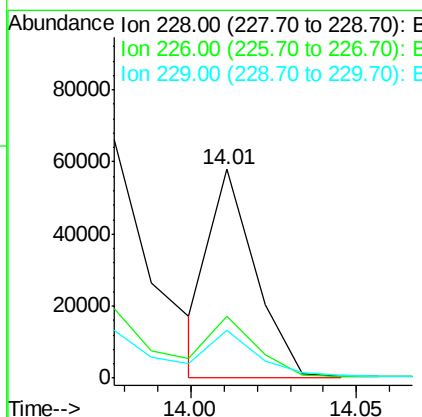
Manual Integrations
APPROVED

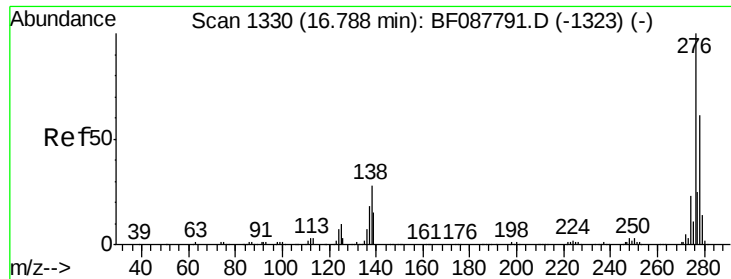
sohil
6/9/2016 8:04:14 PM



#82
Chrysene
Concen: 5.38 ng m
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion:	228	Resp:	55127
Ion Ratio		Lower	Upper
228	100		
226	29.6	25.4	38.2
229	22.6	16.3	24.5





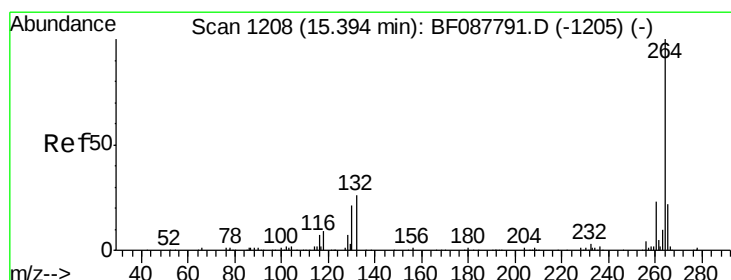
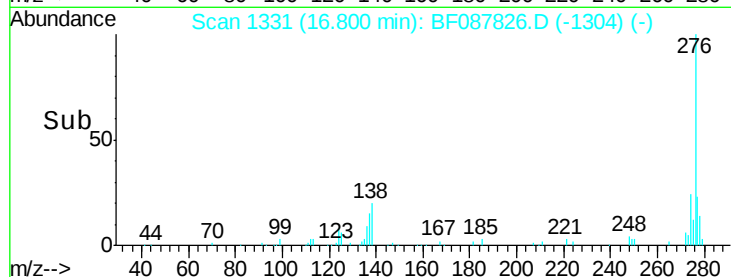
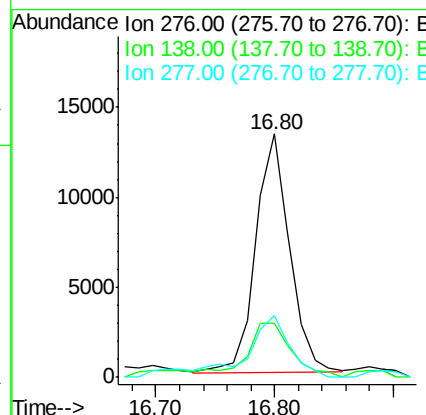
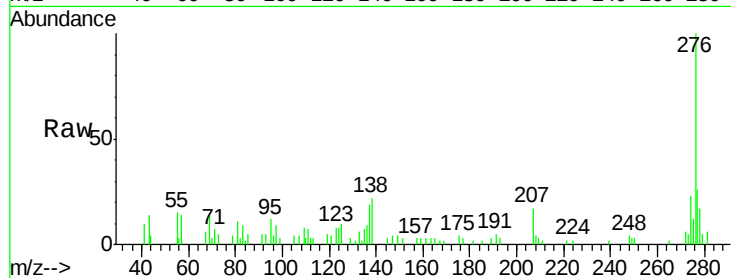
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.79 ng
 RT: 16.80 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SS-26

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	30.6	0.0	0.0#
277	35.7	0.0	0.0#

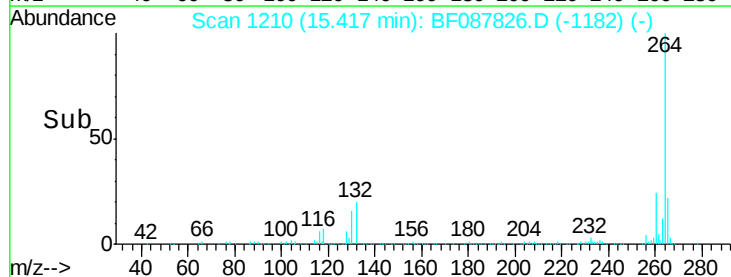
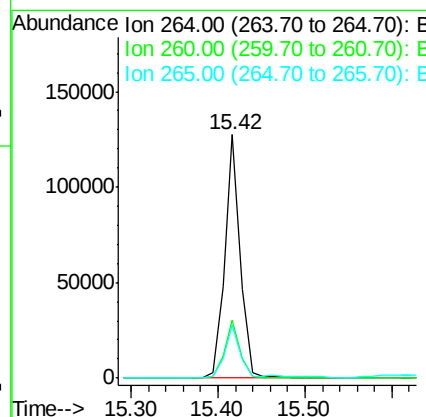
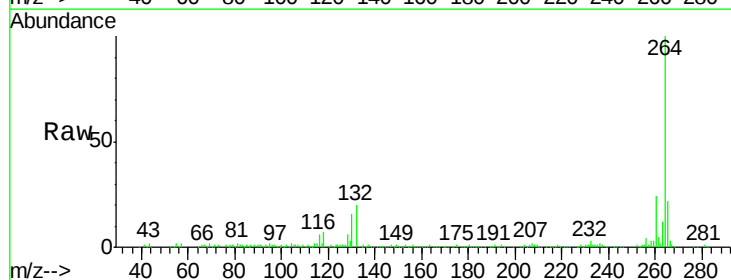
Manual Integrations
 APPROVED

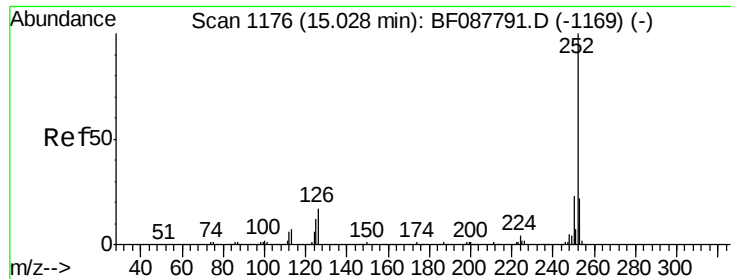
sohil
 6/9/2016 8:04:14 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. 0.02 min
 Lab File: BF087826.D
 Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	16.9	25.3





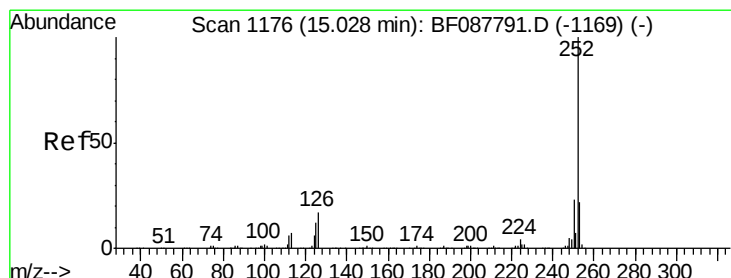
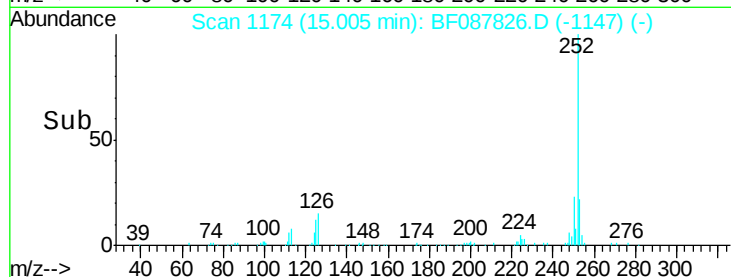
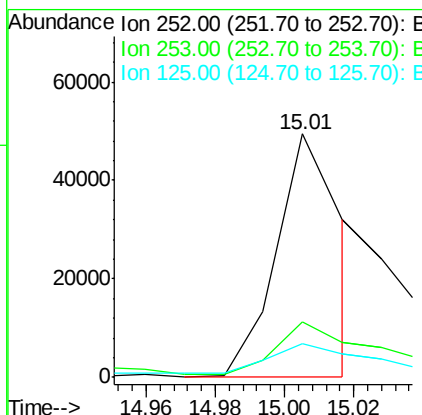
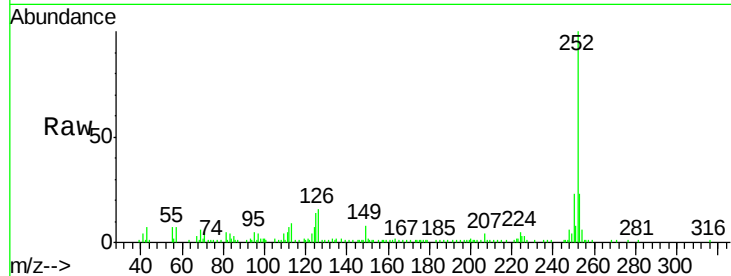
#87
Benzo(b)fluoranthene
Concen: 5.90 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	13.8	7.1	10.7

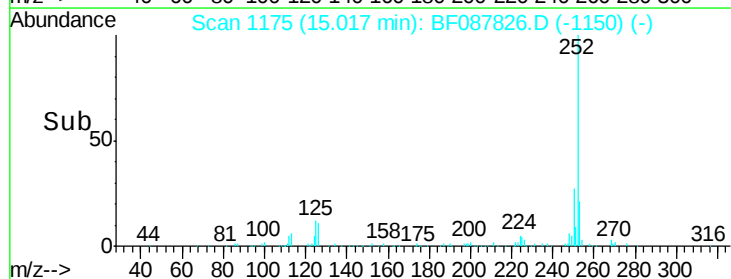
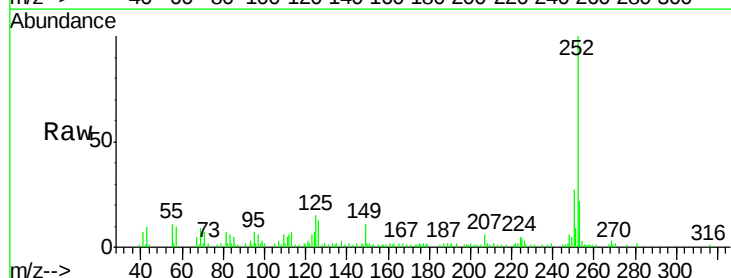
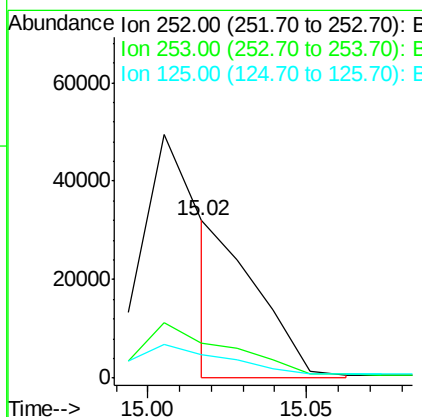
Manual Integrations
APPROVED

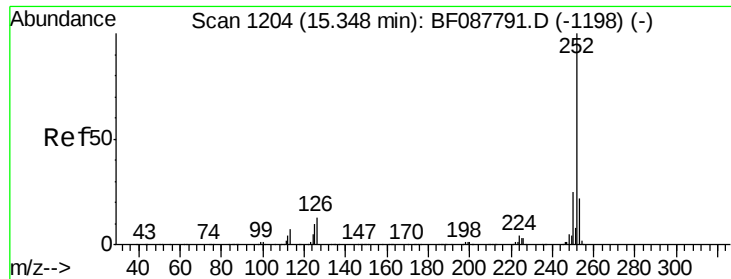
sohil
6/9/2016 8:04:14 PM



#88
Benzo(k)fluoranthene
Concen: 3.28 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	14.9	11.2	16.8





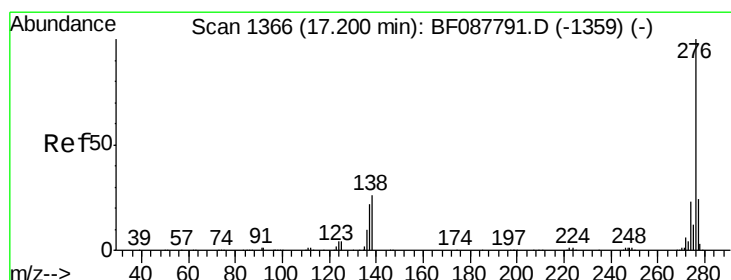
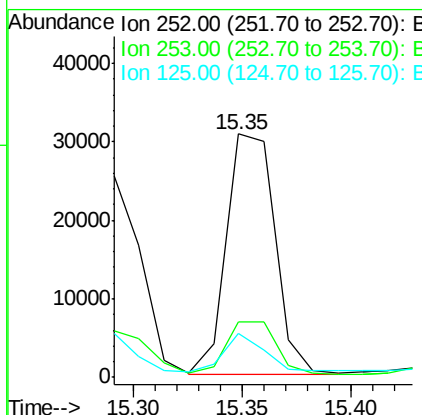
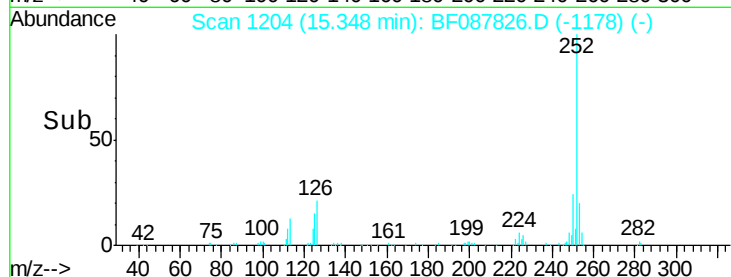
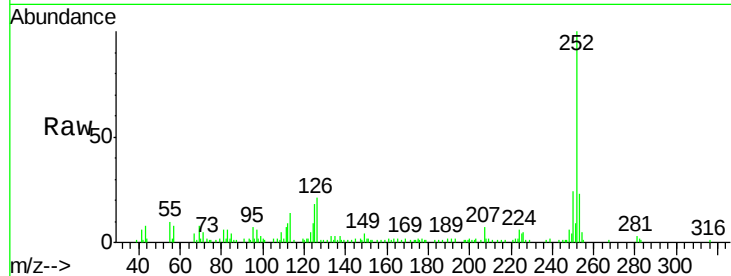
#89
Benzo(a)pyrene
Concen: 5.32 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Instrument :
BNA_F
ClientSampleId :
SS-26

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		47645		
253	22.7		17.9	26.9	
125	17.9		12.5	18.7	

Manual Integrations
APPROVED

sohil
6/9/2016 8:04:14 PM



#91
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 17.21 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF087826.D
Acq: 8 Jun 2016 23:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		25648		
277	25.0		18.9	28.3	
138	28.4		21.4	32.2	

