

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
 Data File : BF090593.D
 Acq On : 15 Oct 2016 8:02
 Operator : UM/SJ
 Sample : H5227-03 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3

Manual Integrations
 APPROVED

sohil
 10/17/2016 6:37:13 PM

Quant Time: Oct 17 01:08:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 12:44:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	219915	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	934680	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	485000	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	631097	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	440511	20.00	ng	-0.01
86) Perylene-d12	15.55	264	422994	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	206645	17.23	ng	-0.01
7) Phenol-d6	6.54	99	298139	16.73	ng	-0.01
23) Nitrobenzene-d5	7.48	82	174624	10.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	42651	9.86	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	277701	9.43	ng	-0.01
78) Terphenyl-d14	13.03	244	187009	9.88	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.67	163	67887	2.16	ng	98
70) Phenanthrene	11.47	178	77634	2.30	ng	98
74) Fluoranthene	12.66	202	127561	3.76	ng	95
77) Pyrene	12.89	202	117204	4.02	ng	98
80) Benzo(a)anthracene	14.08	228	70453m	2.81	ng	
82) Chrysene	14.11	228	65000m	2.69	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	37670	2.70	ng	# 91
87) Benzo(b)fluoranthene	15.13	252	74850m	2.70	ng	
89) Benzo(a)pyrene	15.49	252	66278	2.62	ng	96

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

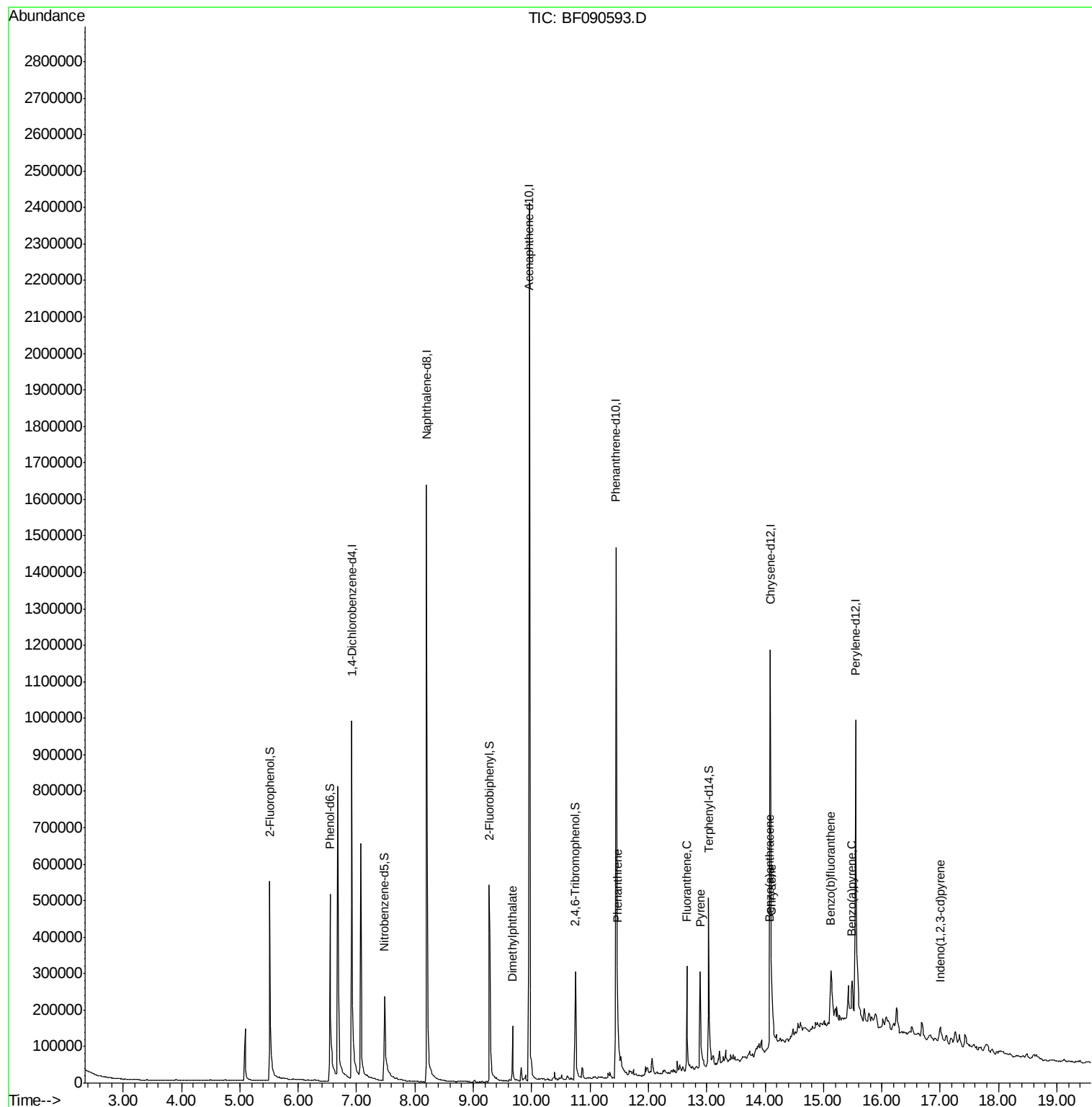
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\
Data File : BF090593.D
Acq On : 15 Oct 2016 8:02
Operator : UM/SJ
Sample : H5227-03 5X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
3

Manual Integrations
APPROVED

sohil
10/17/2016 6:37:13 PM

Quant Time: Oct 17 01:08:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 14 12:44:45 2016
Response via : Initial Calibration





#1

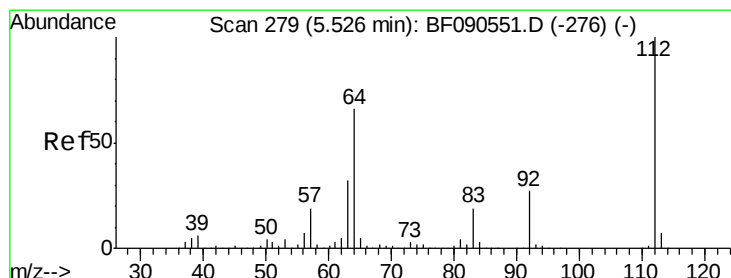
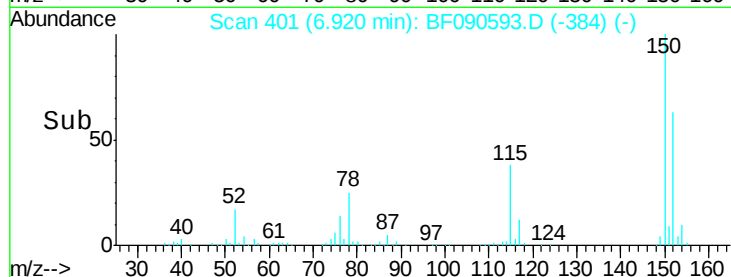
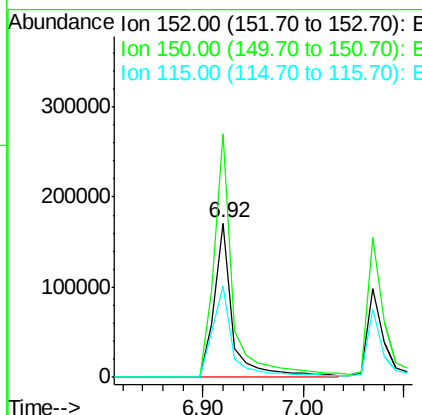
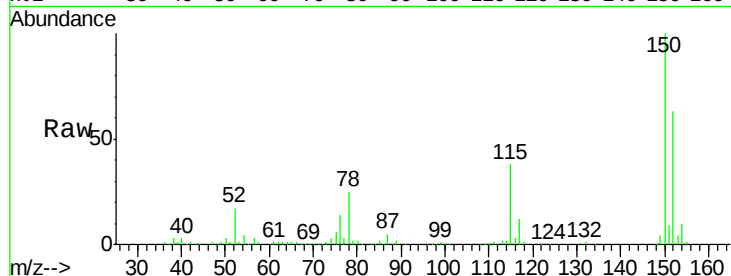
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 401
Delta R.T. -0.00 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Resp	Lower	Upper
152	100	219915		
150	157.5	127.2	190.8	
115	59.1	58.6	88.0	

Manual Integrations
APPROVED

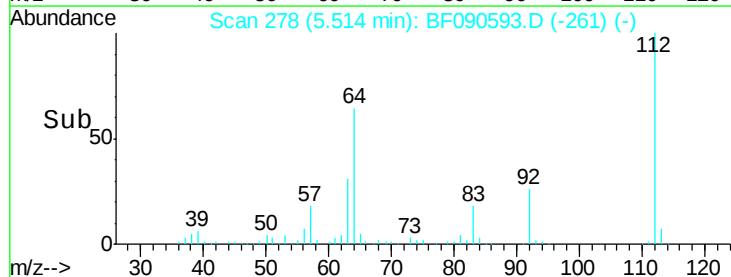
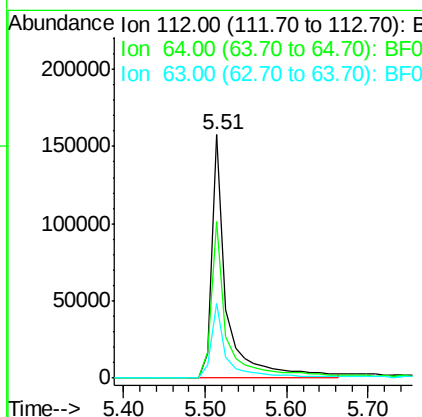
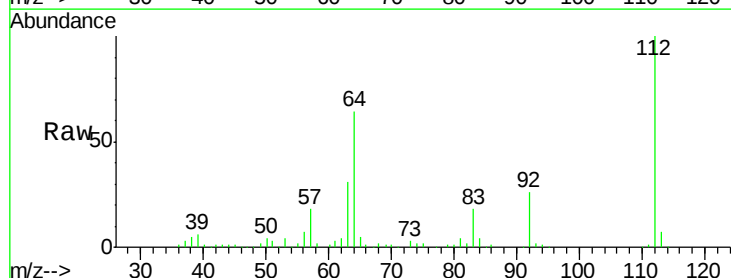
sohil
10/17/2016 6:37:13 PM

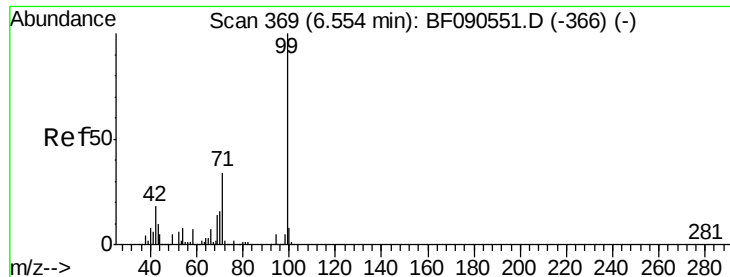


#5

2-Fluorophenol
Concen: 17.23 ng
RT: 5.51 min Scan# 278
Delta R.T. -0.01 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	206645		
64	64.3	52.6	78.8	
63	30.8	26.0	39.0	





#7

Phenol-d6

Concen: 16.73 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Instrument :

BNA_F

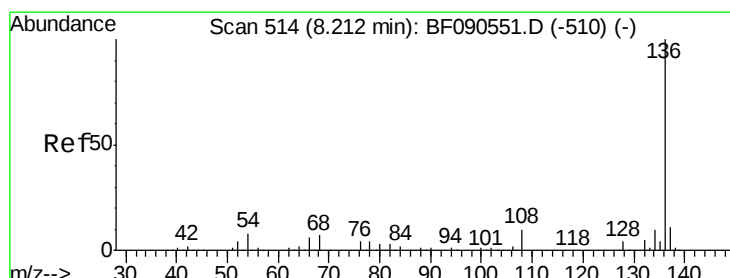
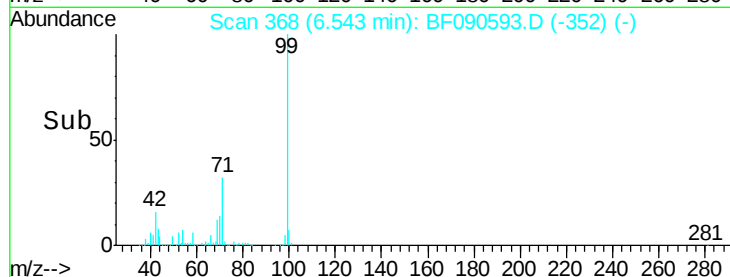
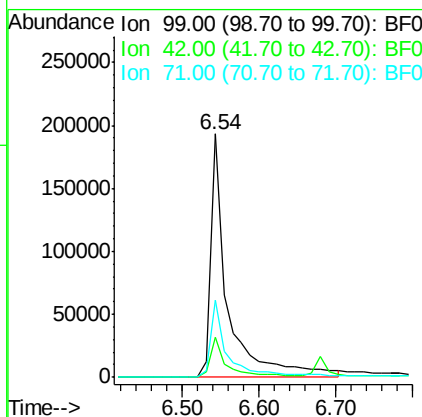
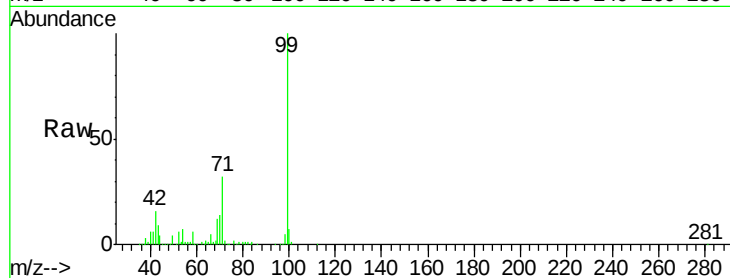
ClientSampled :

3

Tot Ion:	99	Resp:	298139
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.7	22.1
71	31.8	27.6	41.4

Manual Integrations
APPROVED

sohil
10/17/2016 6:37:13 PM



#21

Naphthalene-d8

Concen: 20.00 ng

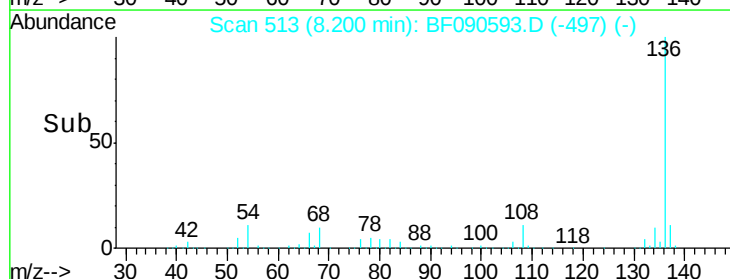
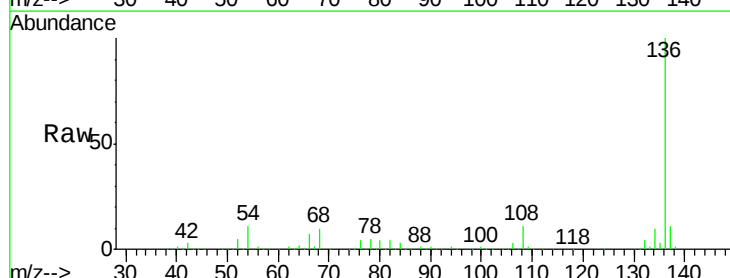
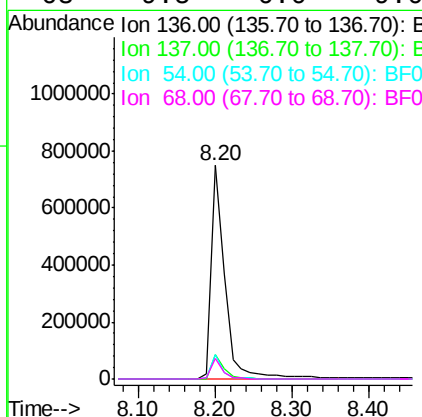
RT: 8.20 min Scan# 513

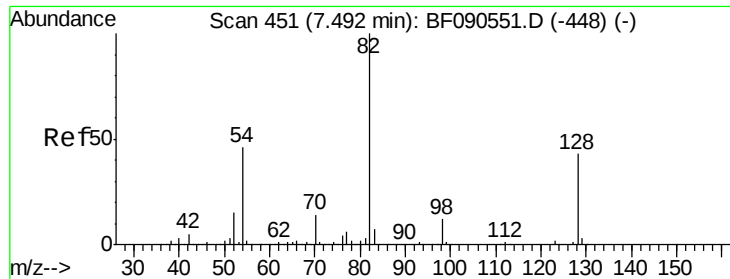
Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Tgt Ion:	136	Resp:	934680
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.8	13.2
54	11.3	6.8	10.2#
68	9.5	6.0	9.0#





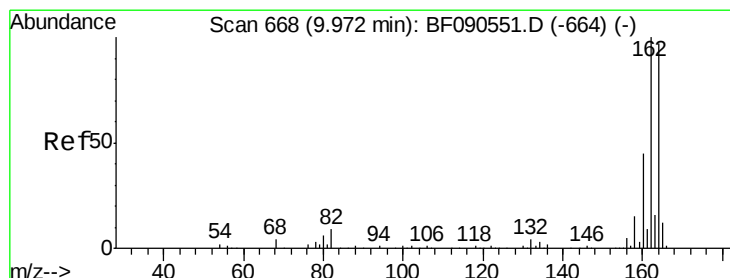
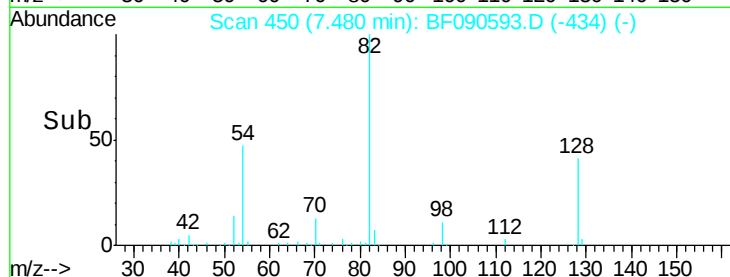
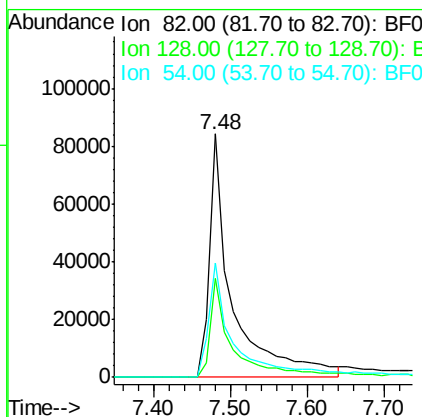
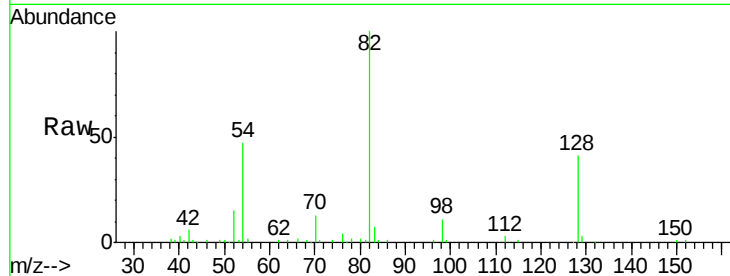
#23
 Nitrobenzene-d5
 Concen: 10.38 ng
 RT: 7.48 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF090593.D
 Acq: 15 Oct 2016 8:02

Instrument :
 BNA_F
 ClientSampled :
 3

Tot Ion	82	Resp	174624
Ion Ratio	100	Lower	Upper
82	100		
128	40.6	34.3	51.5
54	47.1	37.0	55.6

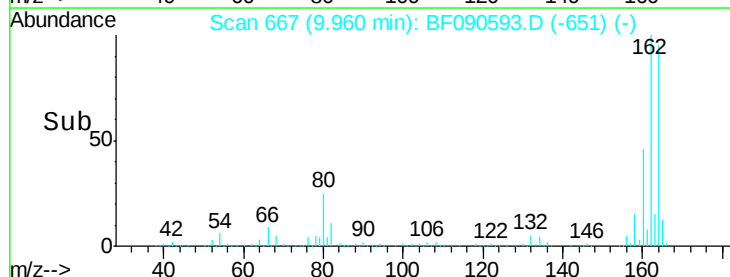
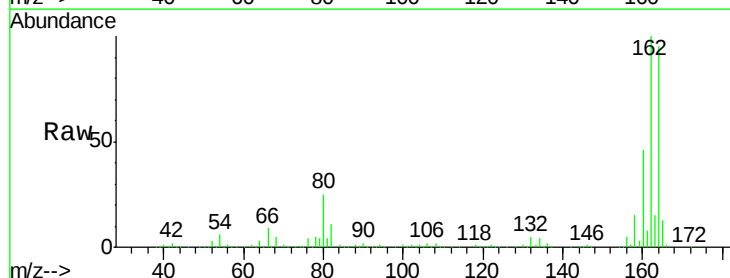
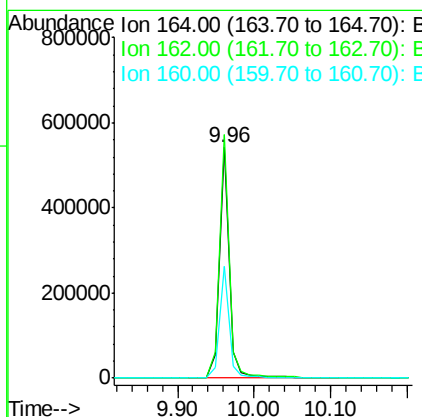
Manual Integrations
 APPROVED

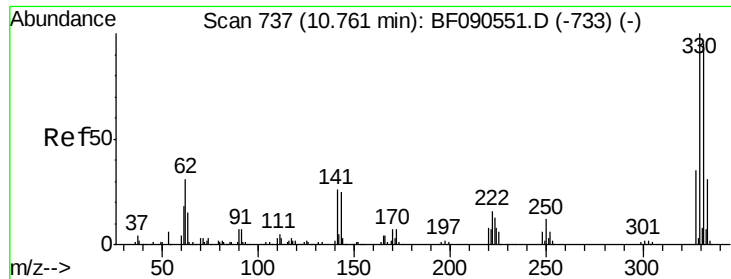
sohil
 10/17/2016 6:37:13 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BF090593.D
 Acq: 15 Oct 2016 8:02

Tgt Ion	164	Resp	485000
Ion Ratio	100	Lower	Upper
164	100		
162	105.7	82.2	123.4
160	48.4	36.6	55.0





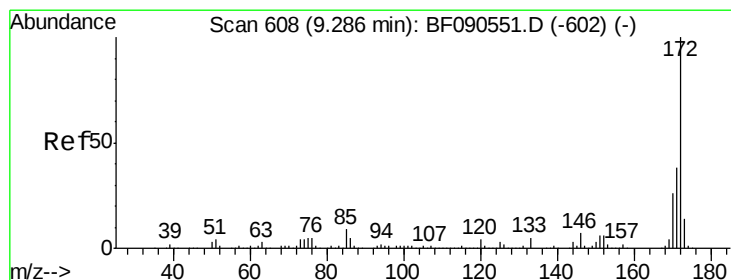
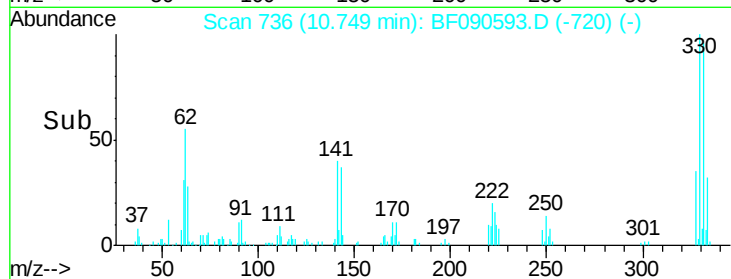
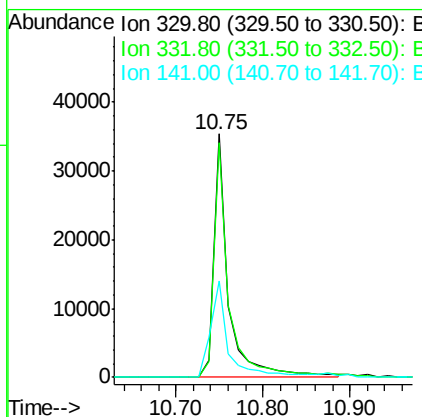
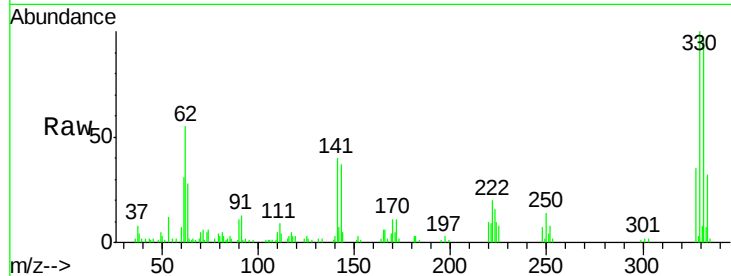
#41
 2,4,6-Tribromophenol
 Concen: 9.86 ng
 RT: 10.75 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF090593.D
 Acq: 15 Oct 2016 8:02

Instrument :
 BNA_F
 ClientSampled :
 3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	42651		
332	98.9	76.2	114.2	
141	48.5	31.4	47.2#	

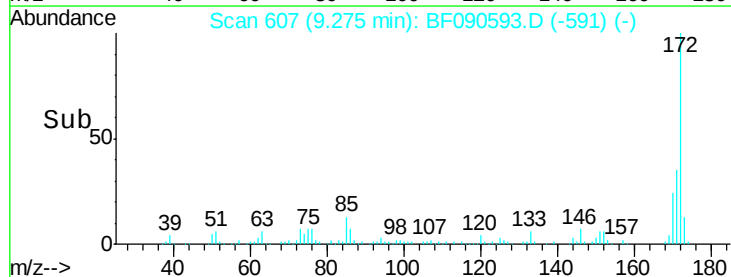
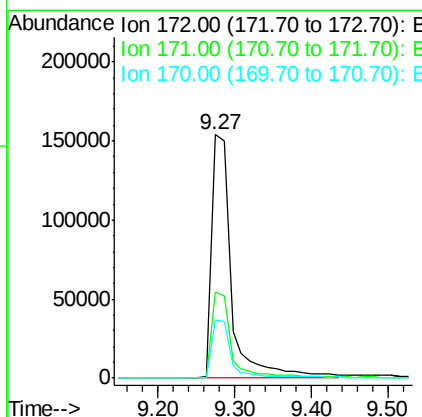
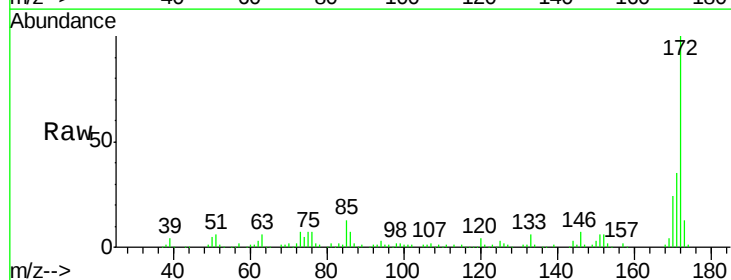
Manual Integrations
 APPROVED

sohil
 10/17/2016 6:37:13 PM



#44
 2-Fluorobiphenyl
 Concen: 9.43 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090593.D
 Acq: 15 Oct 2016 8:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	277701		
171	35.3	30.1	45.1	
170	23.6	20.6	30.8	





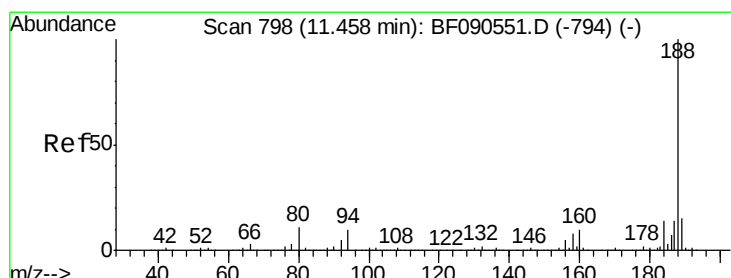
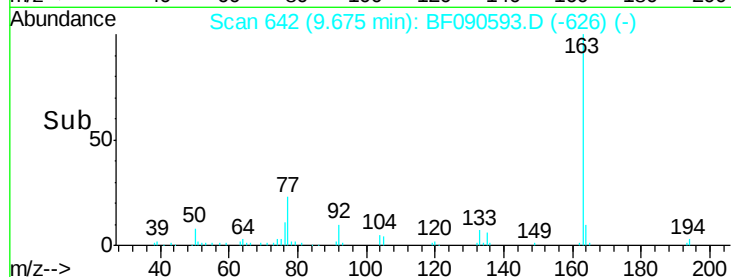
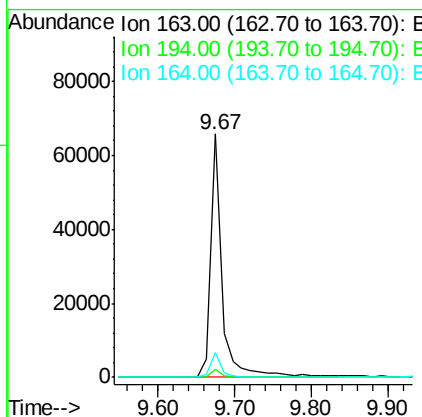
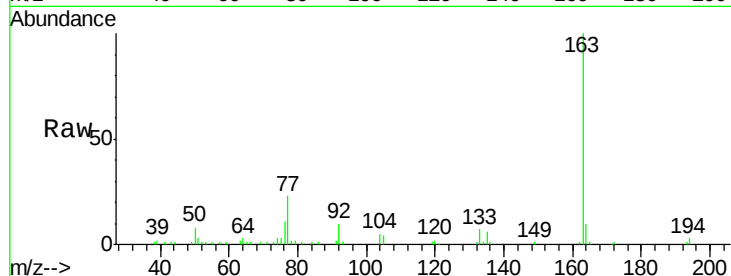
#49
Dimethylphthalate
Concen: 2.16 ng
RT: 9.67 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.3	3.5
164	10.2	8.6	13.0

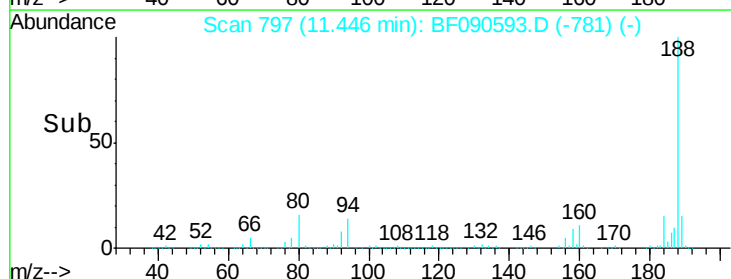
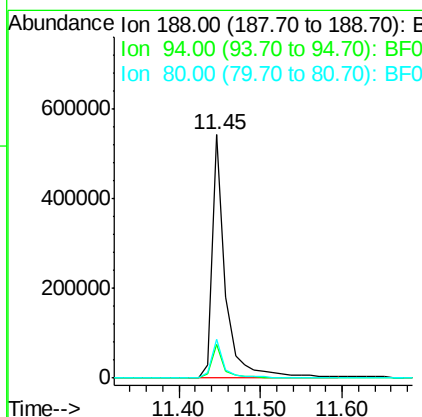
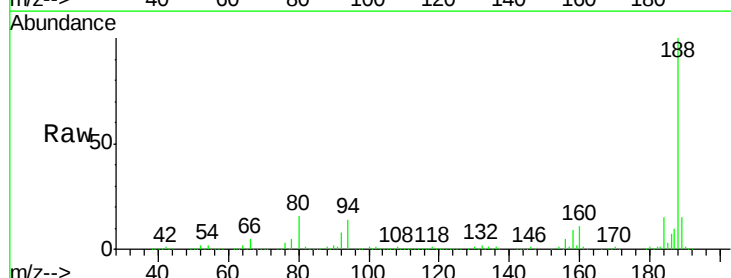
Manual Integrations
APPROVED

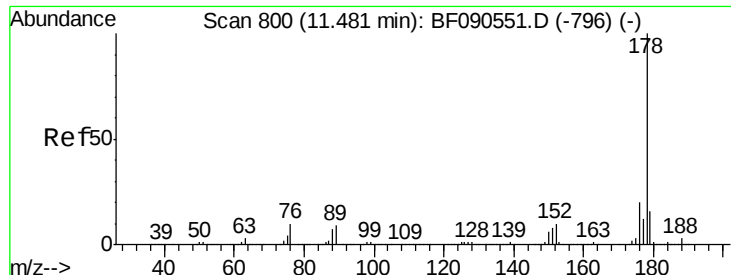
sohil
10/17/2016 6:37:13 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.7	7.7	11.5#
80	15.7	8.6	12.8#





#70

Phenanthrene

Concen: 2.30 ng

RT: 11.47 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF090593.D

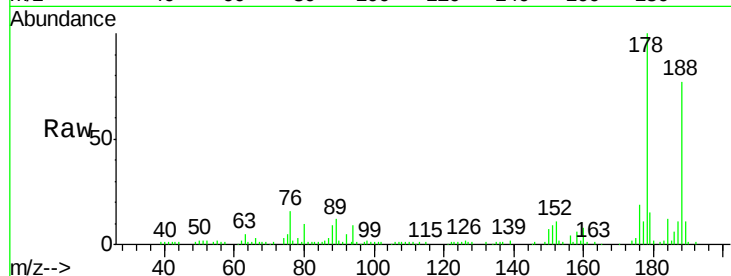
Acq: 15 Oct 2016 8:02

Instrument :

BNA_F

ClientSampled :

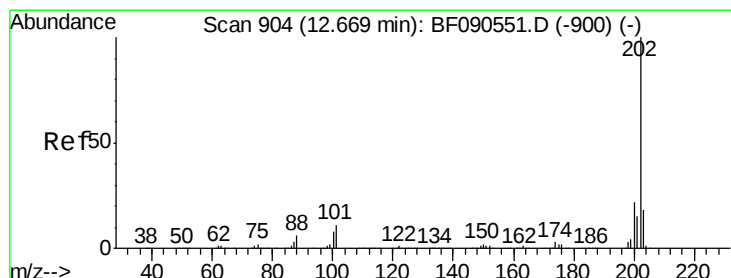
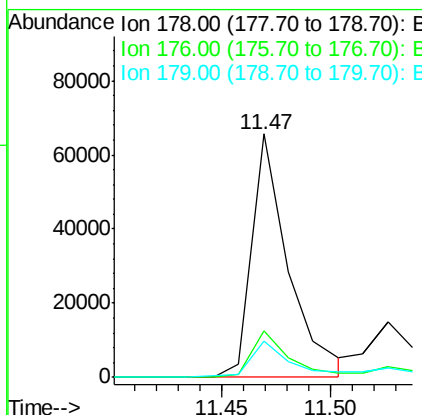
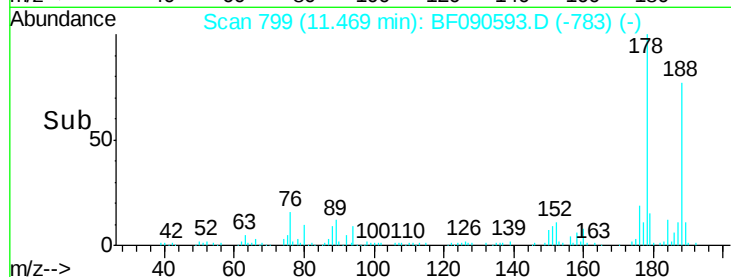
3



Tot Ion:	178	Resp:	77634
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.1	24.1
179	15.1	12.6	19.0

Manual Integrations
APPROVED

sohil
10/17/2016 6:37:13 PM



#74

Fluoranthene

Concen: 3.76 ng

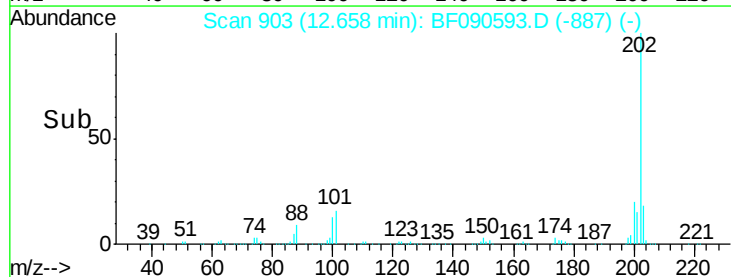
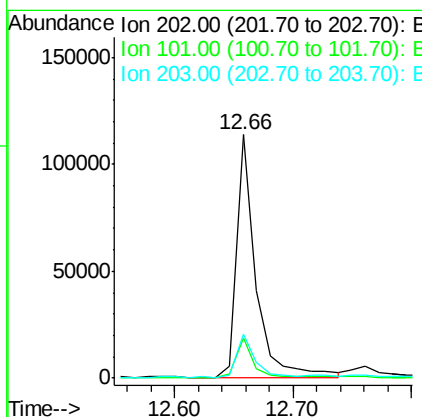
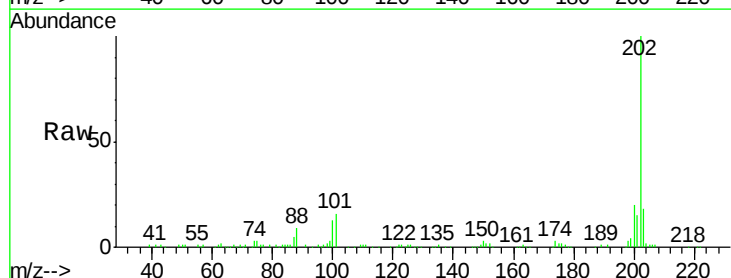
RT: 12.66 min Scan# 903

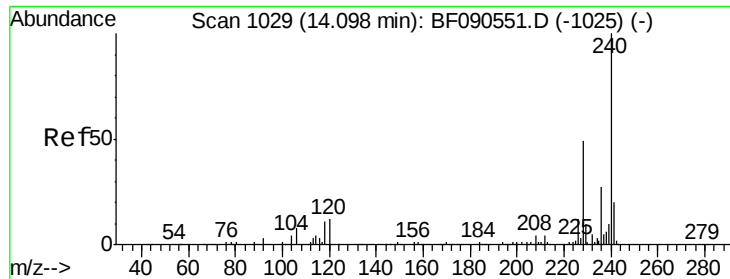
Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Tgt Ion:	202	Resp:	127561
Ion Ratio	Lower	Upper	
202	100		
101	16.4	0.0	31.1
203	18.0	0.0	38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Instrument :

BNA_F

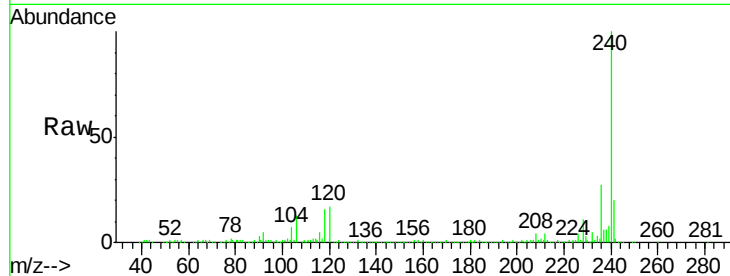
ClientSampled :

3

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.3	9.8	14.8#
236	27.1	21.7	32.5

Manual Integrations
APPROVED

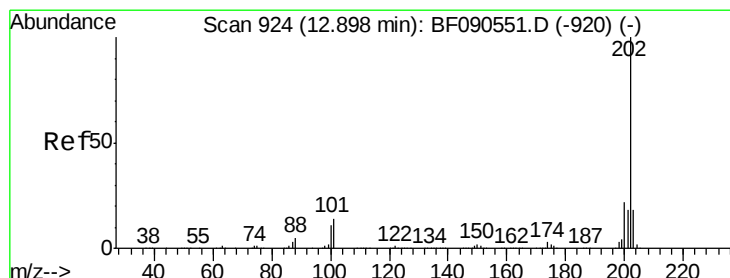
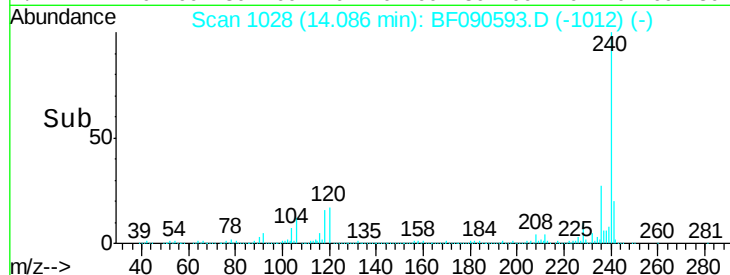
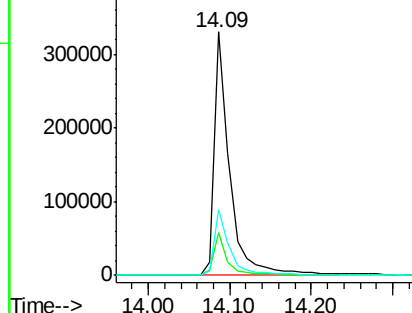
sohil
10/17/2016 6:37:13 PM



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

Pyrene

Concen: 4.02 ng

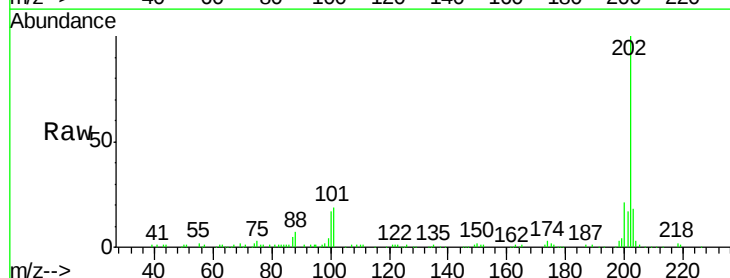
RT: 12.89 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

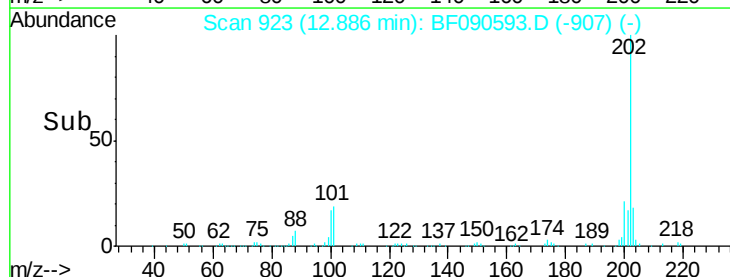
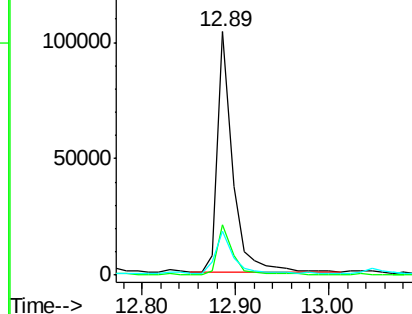
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.6
203	18.3	14.6	21.8

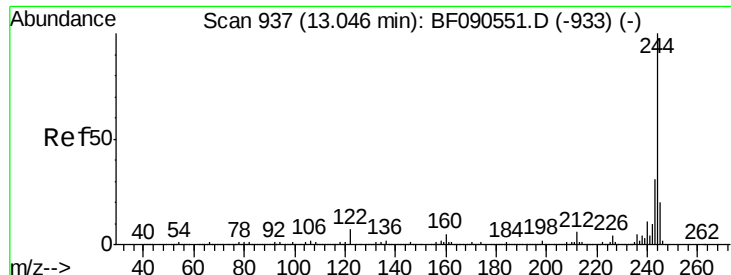


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.88 ng

RT: 13.03 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Instrument :

BNA_F

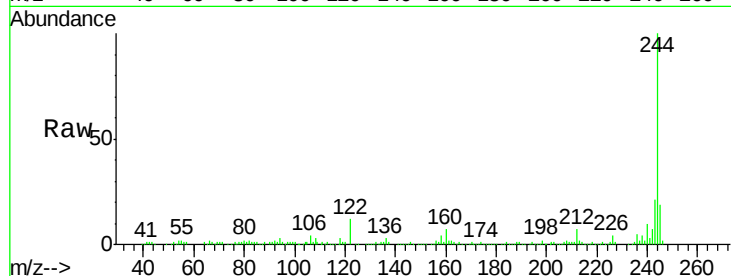
ClientSampled :

3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	11.7	5.6	8.4

Manual Integrations
APPROVED

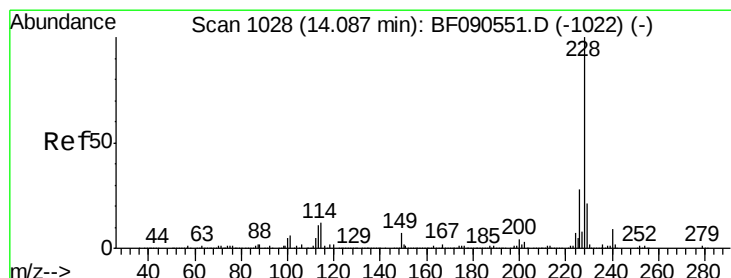
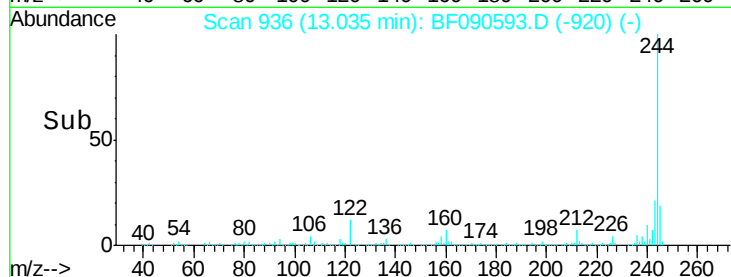
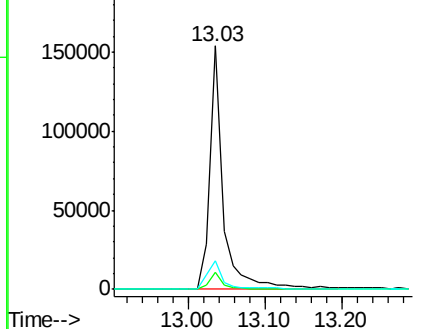
sohil
10/17/2016 6:37:13 PM



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: 2.81 ng m

RT: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090593.D

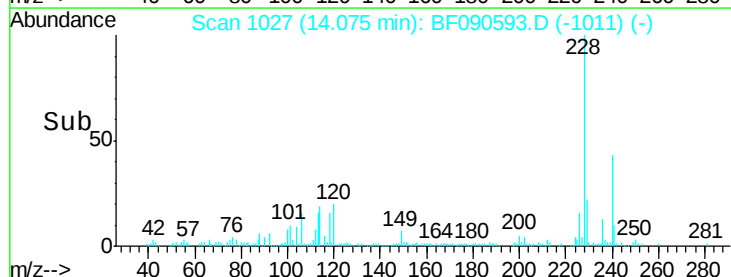
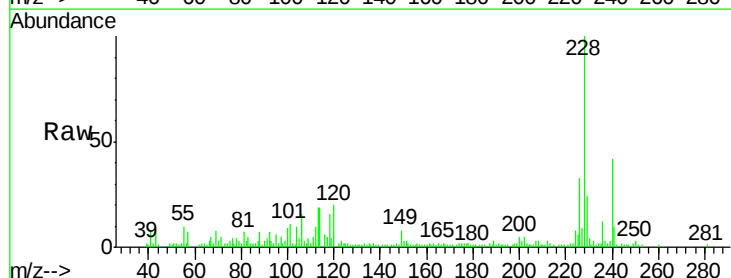
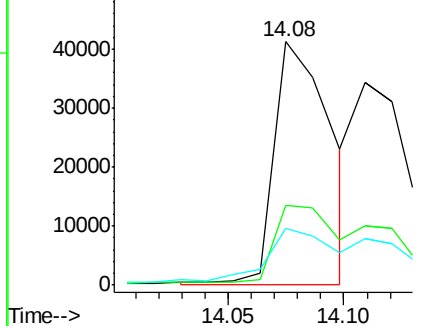
Acq: 15 Oct 2016 8:02

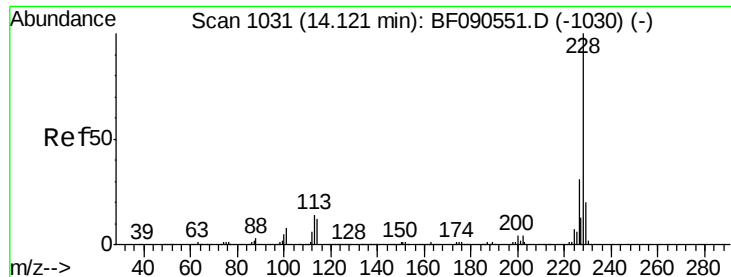
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.8	34.2
229	23.6	16.6	25.0

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: 2.69 ng/mL

RT: 14.11 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Instrument :

BNA_F

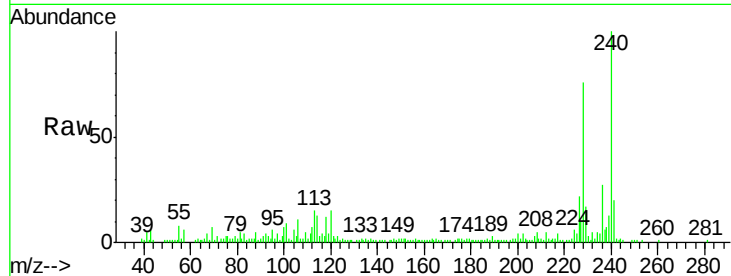
ClientSampled :

3

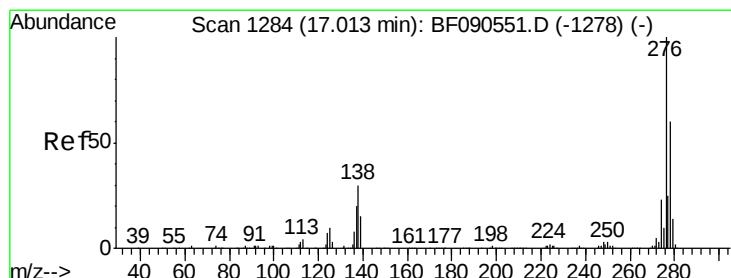
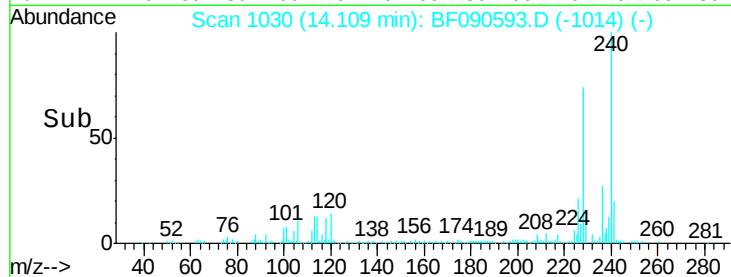
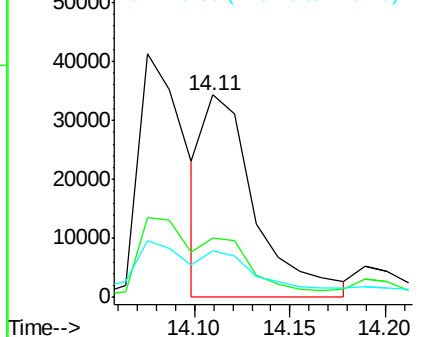
Tot Ion:	228	Resp:	65000
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.8	37.2
229	22.7	16.2	24.4

Manual Integrations
APPROVED

sohil
10/17/2016 6:37:13 PM



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.70 ng/mL

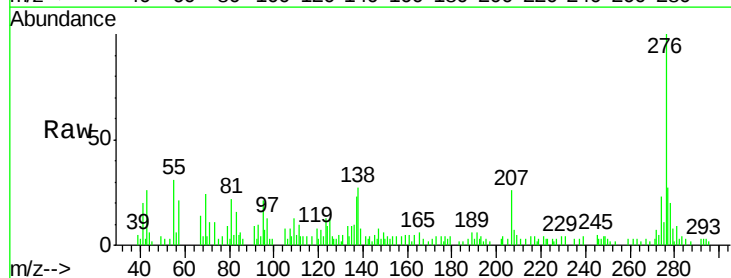
RT: 17.00 min Scan# 1283

Delta R.T. -0.01 min

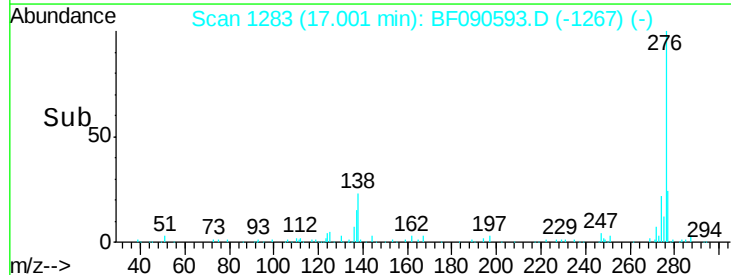
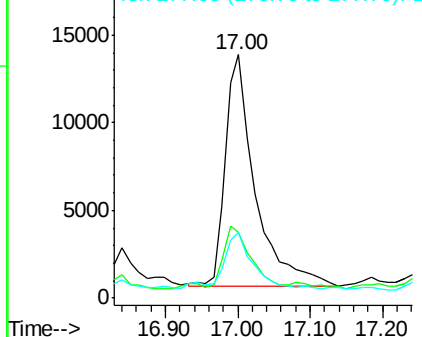
Lab File: BF090593.D

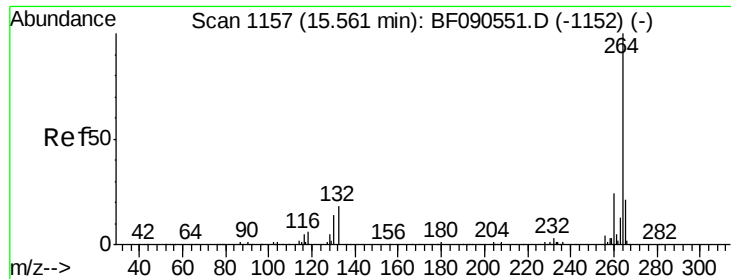
Acq: 15 Oct 2016 8:02

Tgt Ion:	276	Resp:	37670
Ion Ratio	Lower	Upper	
276	100		
138	23.9	25.8	38.6#
277	23.9	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





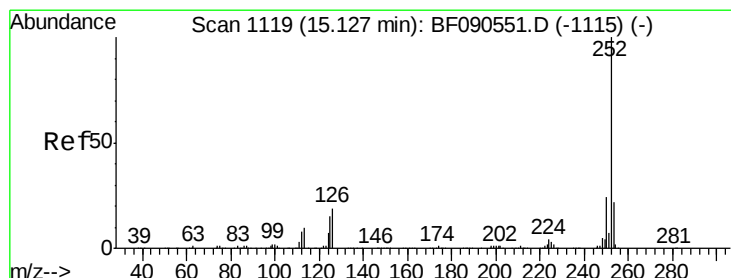
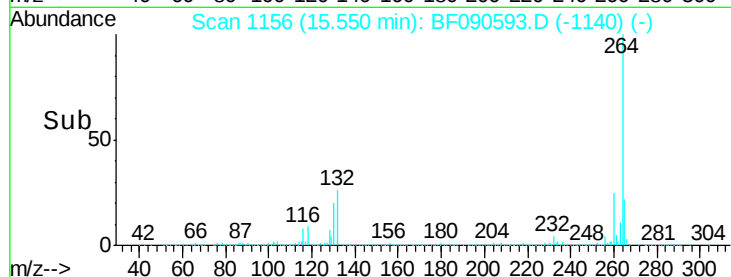
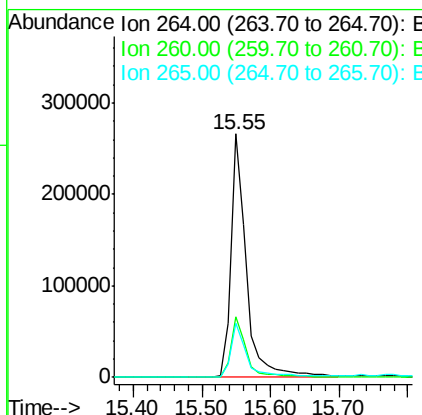
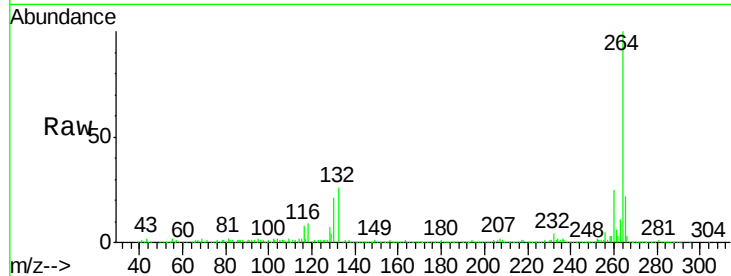
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Instrument :
BNA_F
ClientSampled :
3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	22.4	16.7	25.1

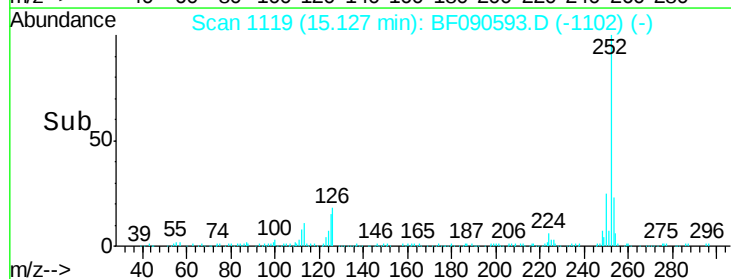
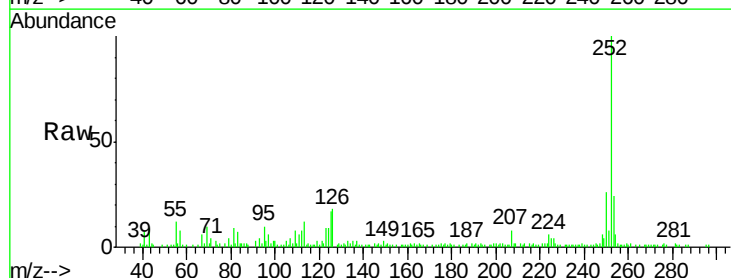
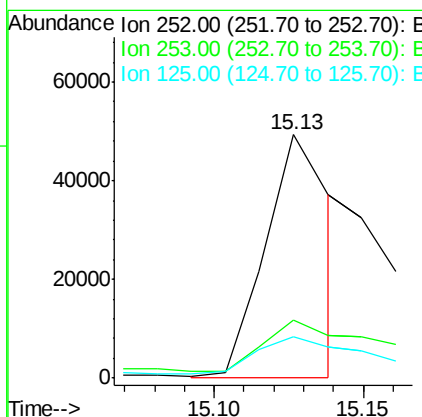
Manual Integrations
APPROVED

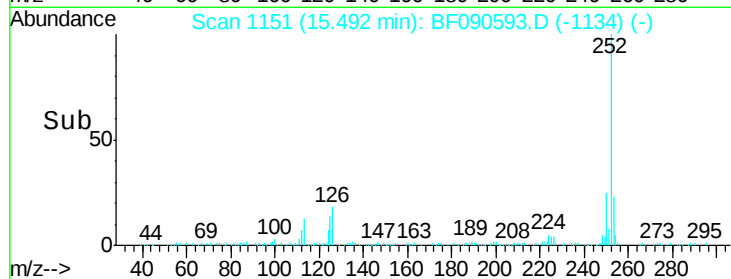
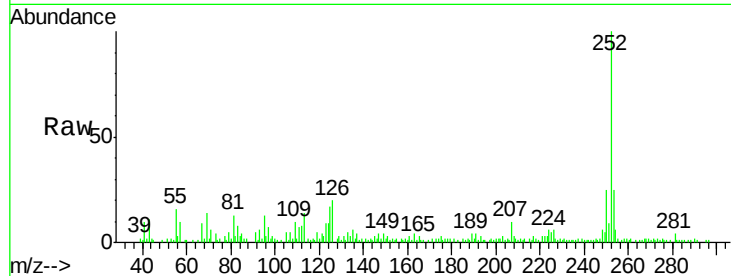
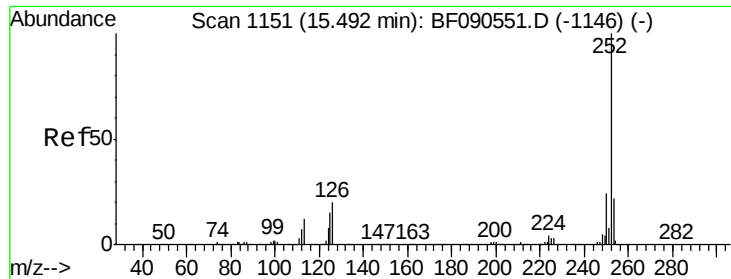
sohil
10/17/2016 6:37:13 PM



#87
Benzo(b)fluoranthene
Concen: 2.70 ng m
RT: 15.13 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BF090593.D
Acq: 15 Oct 2016 8:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	16.9	12.0	18.0





#89

Benzo(a)pyrene

Concen: 2.62 ng

RT: 15.49 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BF090593.D

Acq: 15 Oct 2016 8:02

Tot Ion:	252	Resp:	66278
Ion Ratio		Lower	Upper
252	100		
253	24.6	17.9	26.9
125	17.2	12.3	18.5

Instrument :

BNA_F

ClientSampled :

3

Manual Integrations
APPROVED

sohil
10/17/2016 6:37:13 PM

