

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092152.D
 Acq On : 9 Jan 2017 21:56
 Operator : UM/SJ
 Sample : I1057-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP7

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:33 AM

Quant Time: Jan 10 03:39:19 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	152898	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	589045	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	259098	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	417856	20.00	ng	0.00
75) Chrysene-d12	13.79	240	255983	20.00	ng	0.00
86) Perylene-d12	15.17	264	181900	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	847819	92.59	ng	0.00
7) Phenol-d6	6.31	99	1373658	122.87	ng	0.00
23) Nitrobenzene-d5	7.20	82	786038	74.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	135762	63.32	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1266101	102.83	ng	0.00
78) Terphenyl-d14	12.75	244	932333	88.33	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.32	94	88558	6.95	ng	# 69
49) Dimethylphthalate	9.41	163	109447	6.60	ng	99
51) Acenaphthene	9.70	154	65144	4.45	ng	98
54) Dibenzofuran	9.88	168	56864	2.87	ng	98
57) Fluorene	10.22	166	59335	4.12	ng	98
70) Phenanthrene	11.18	178	315505	13.92	ng	97
71) Anthracene	11.22	178	72506	2.23	ng	99
74) Fluoranthene	12.37	202	355572	15.37	ng	92
77) Pyrene	12.59	202	308781	16.44	ng	96
80) Benzo(a)anthracene	13.79	228	120507	8.34	ng	# 88
82) Chrysene	13.82	228	109011m	7.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.46	276	39285	3.13	ng	# 92
87) Benzo(b)fluoranthene	14.79	252	87702m	7.74	ng	
88) Benzo(k)fluoranthene	14.80	252	46557m	4.82	ng	
89) Benzo(a)pyrene	15.11	252	63435m	6.31	ng	
91) Benzo(g,h,i)perylene	16.85	276	36060	4.20	ng	# 63

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

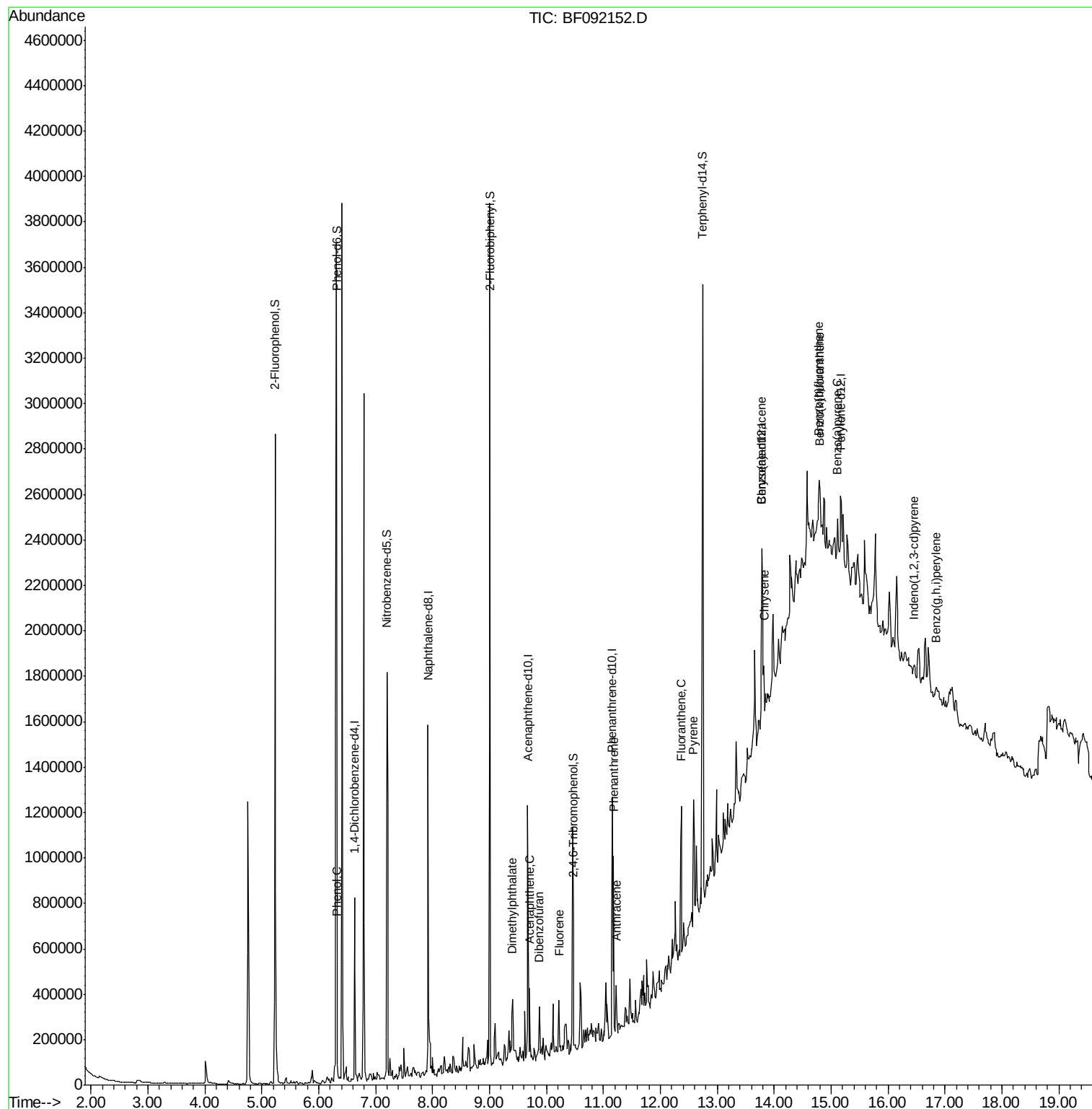
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092152.D
Acq On : 9 Jan 2017 21:56
Operator : UM/SJ
Sample : I1057-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

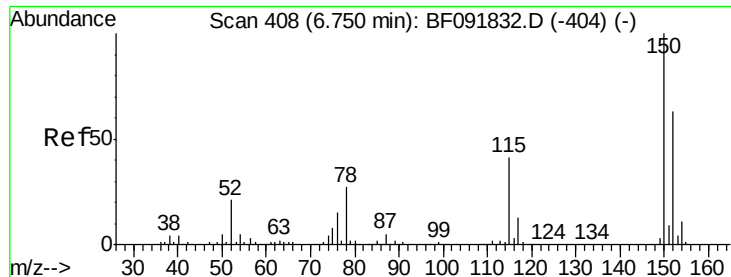
Instrument :
BNA_F
ClientSampleId :
P3-SP7

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM

Quant Time: Jan 10 03:39:19 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

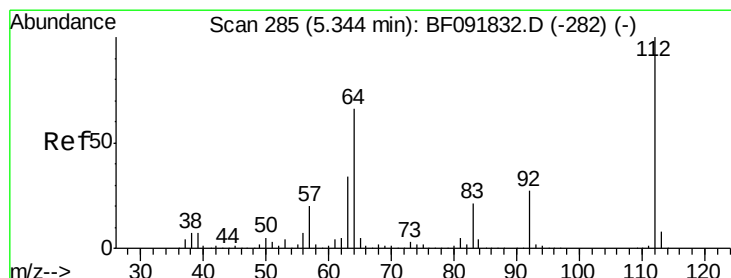
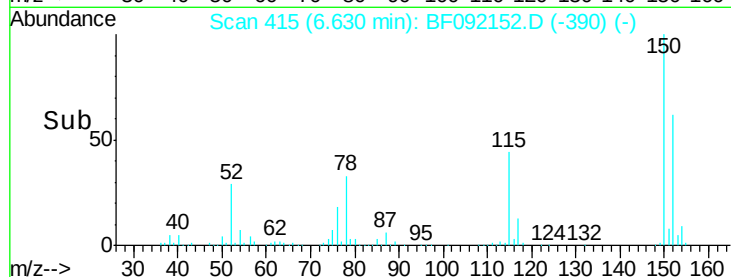
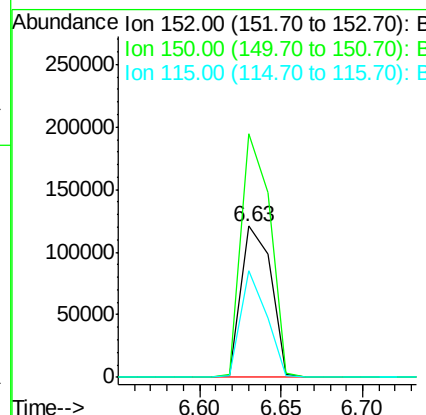
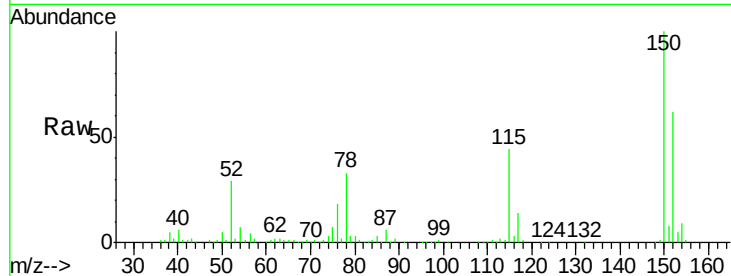
ClientSampled :

P3-SP7

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	152898		
150	161.1	124.9	187.3	
115	70.9	46.0	69.0	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#5

2-Fluorophenol

Concen: 92.59 ng

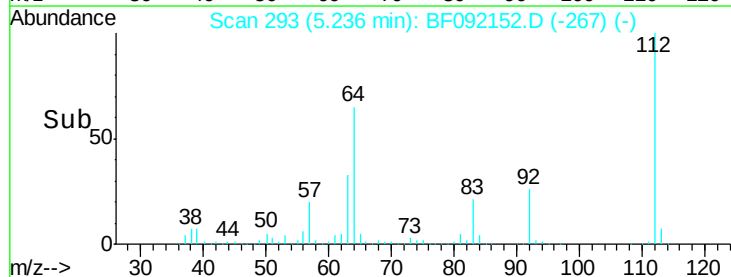
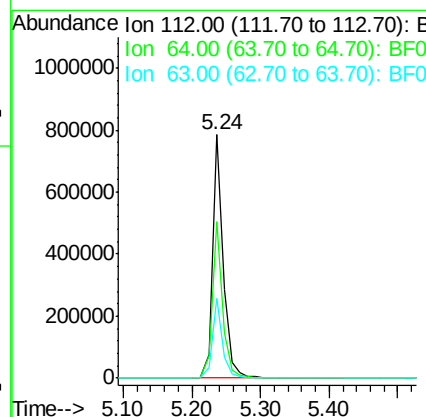
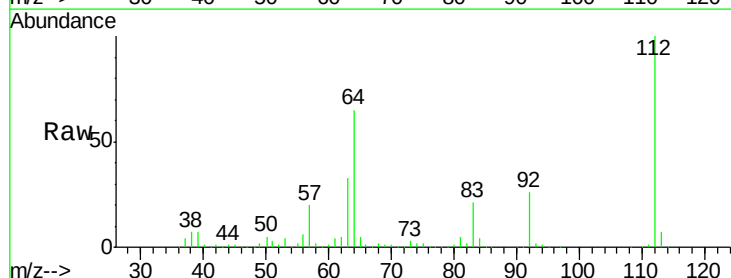
RT: 5.24 min Scan# 293

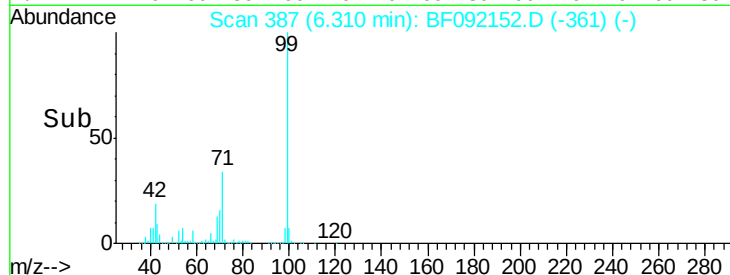
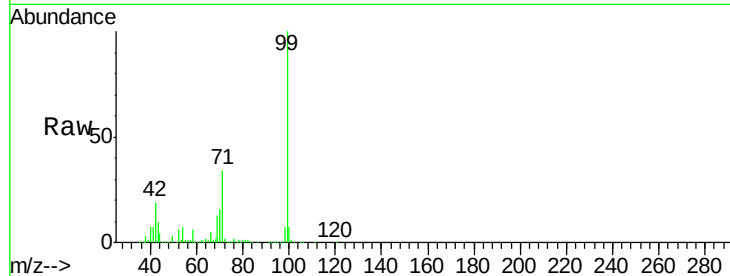
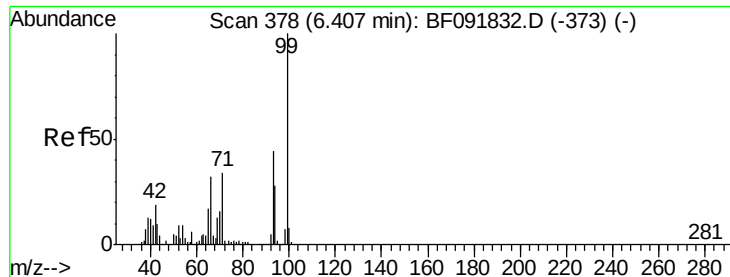
Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	847819		
64	64.5	46.1	69.1	
63	32.9	23.8	35.6	





#7

Phenol-d6

Concen: 122.87 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt Ion: 99 Resp: 1373658

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

71 33.8 27.5 41.3

Instrument :

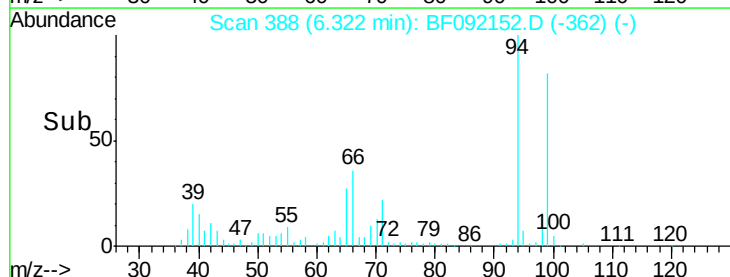
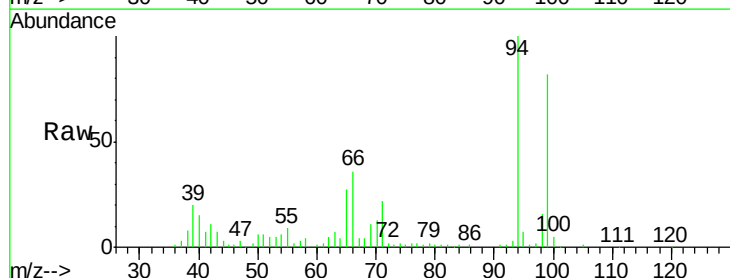
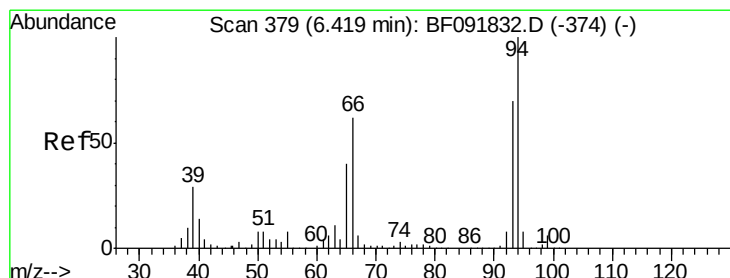
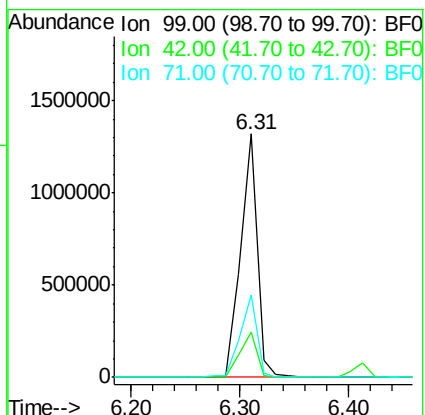
BNA_F

ClientSampleId :

P3-SP7

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#10

Phenol

Concen: 6.95 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

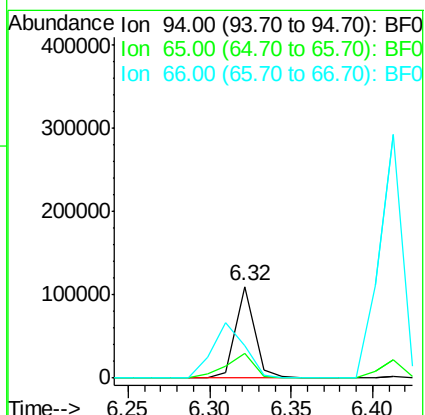
Tgt Ion: 94 Resp: 88558

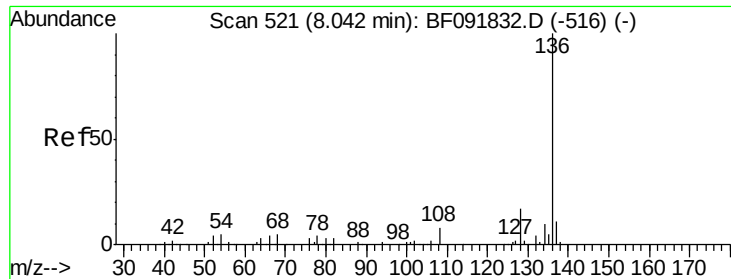
Ion Ratio Lower Upper

94 100

65 26.7 21.4 61.4

66 35.6 44.0 84.0#





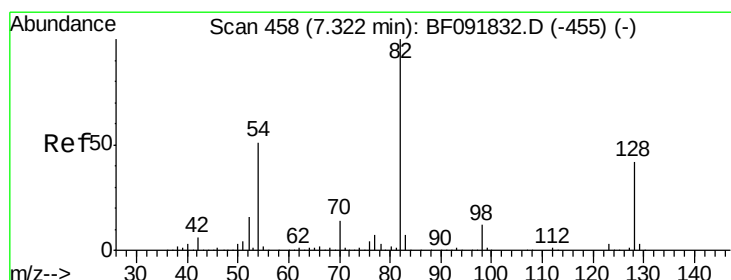
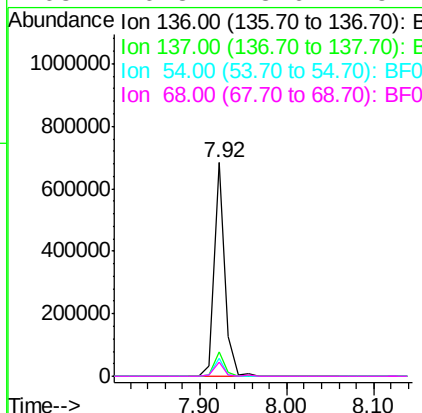
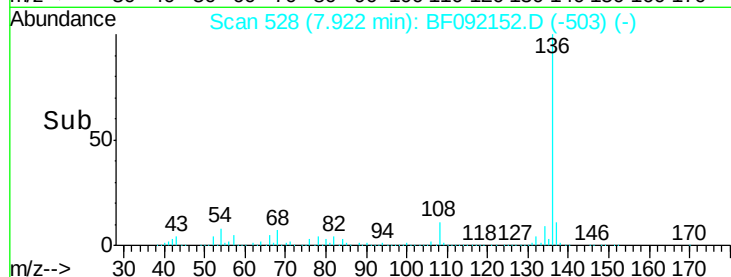
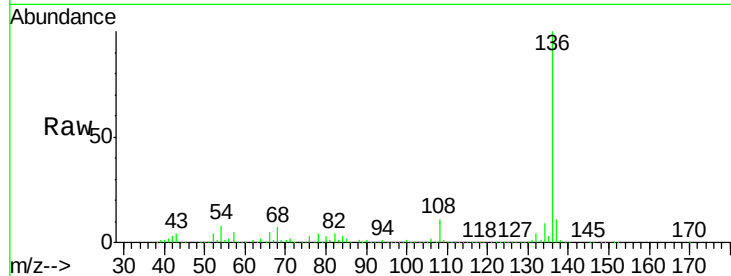
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Instrument :
BNA_F
ClientSampled :
P3-SP7

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.4	12.6
54	8.5	4.5	6.7#
68	6.8	3.6	5.4#

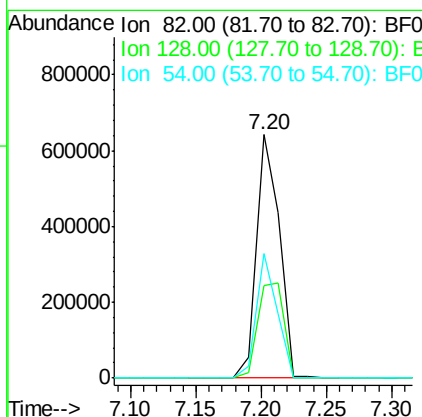
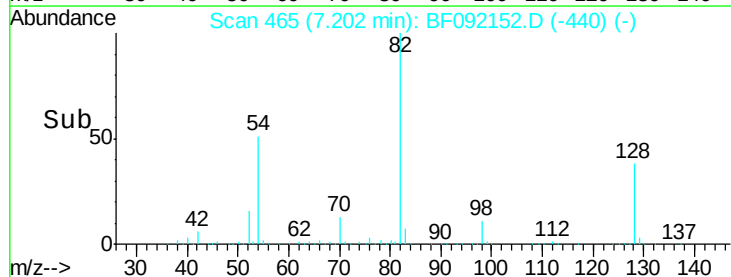
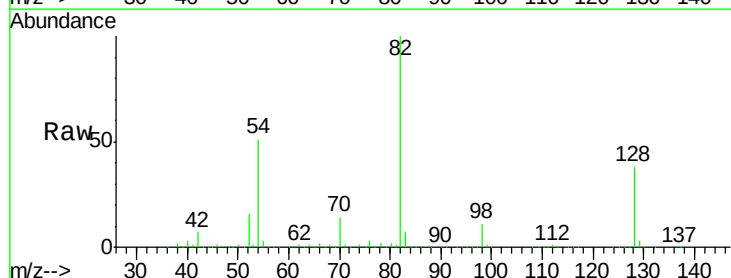
Manual Integrations
APPROVED

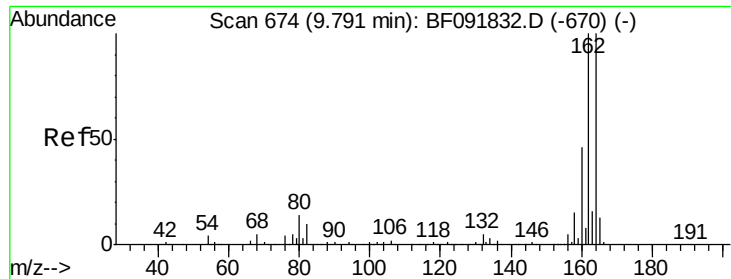
Sohil
1/10/2017 10:01:33 AM



#23
Nitrobenzene-d5
Concen: 74.20 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.2	34.6	52.0
54	51.1	39.5	59.3





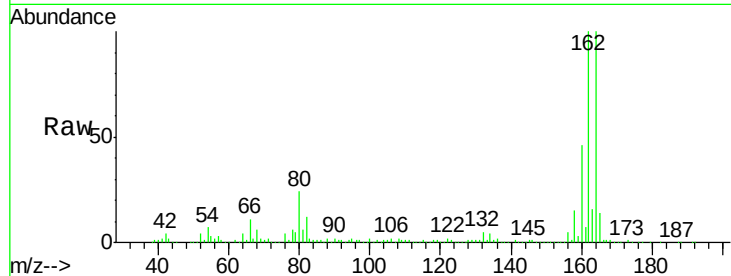
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092152.D
 Acq: 9 Jan 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP7

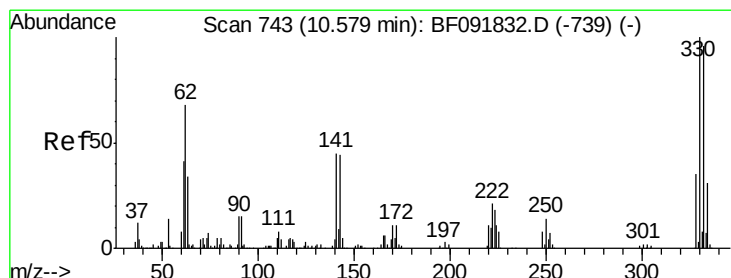
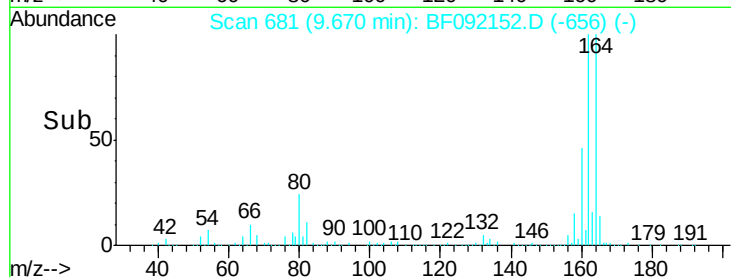
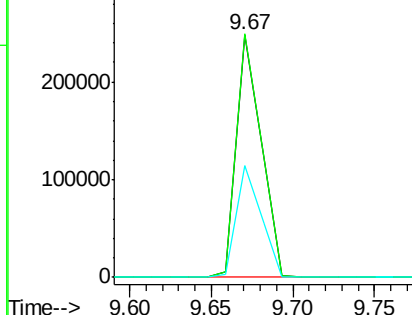
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	259098		
162	100.5	80.2	120.2	
160	46.1	36.9	55.3	

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:33 AM



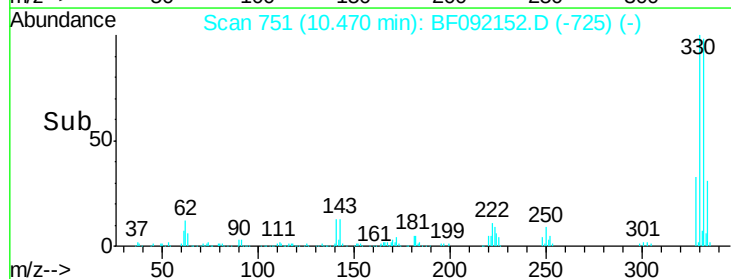
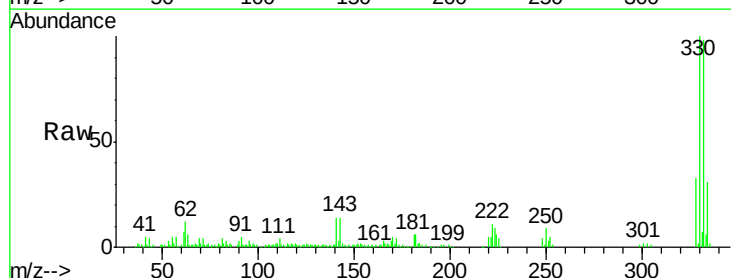
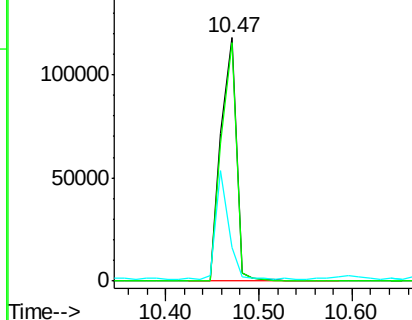
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

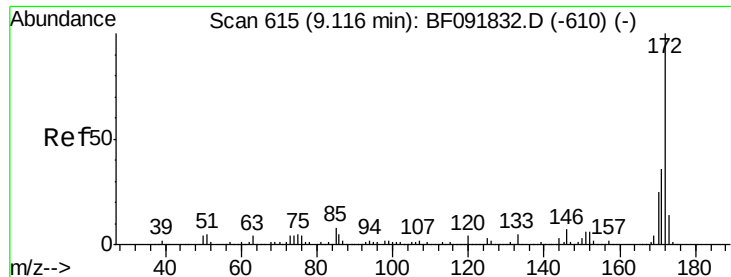


#41
 2,4,6-Tribromophenol
 Concen: 63.32 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092152.D
 Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	135762		
332	95.8	77.4	116.2	
141	37.0	34.1	51.1	

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





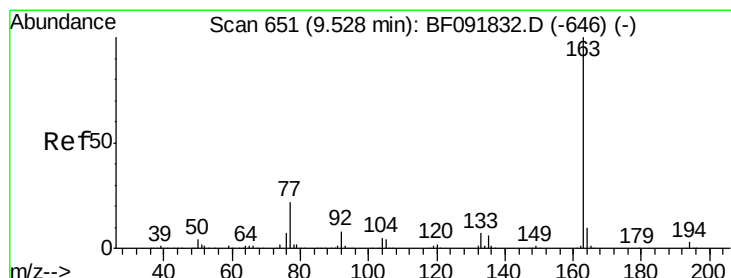
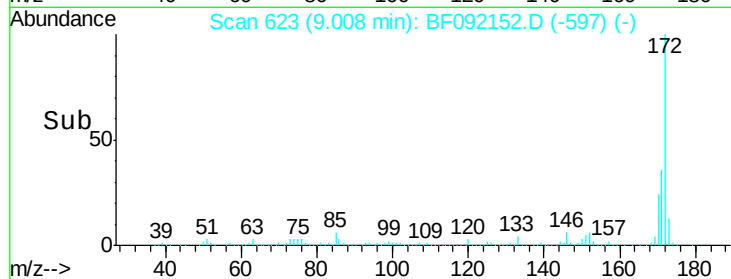
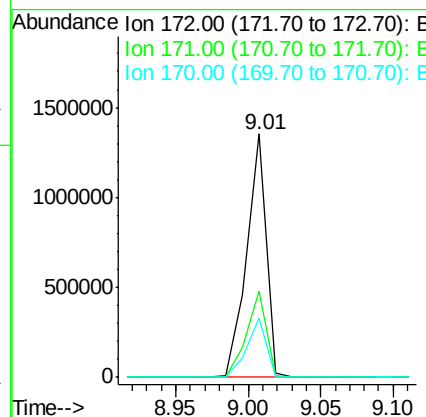
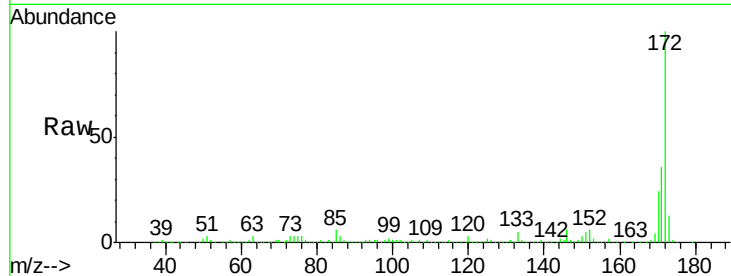
#44
2-Fluorobiphenyl
Concen: 102.83 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Instrument :
BNA_F
ClientSampleId :
P3-SP7

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	24.4	20.2	30.4

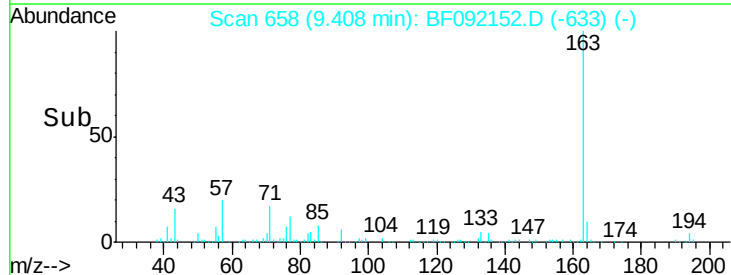
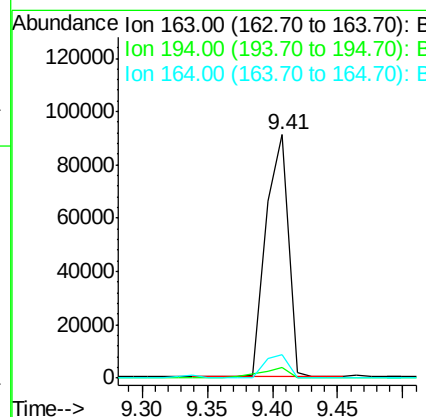
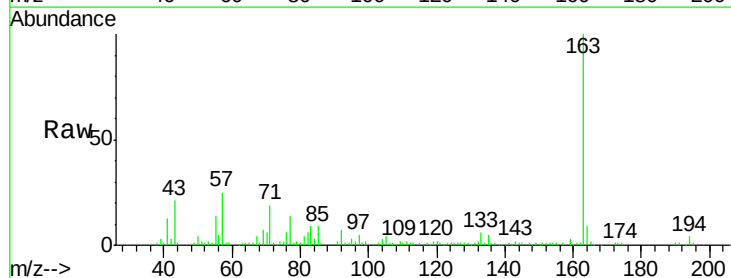
Manual Integrations
APPROVED

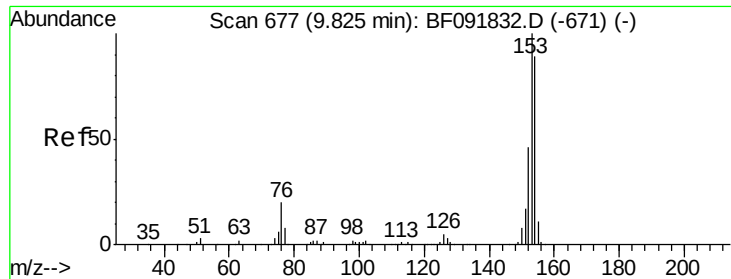
Sohil
1/10/2017 10:01:33 AM



#49
Dimethylphthalate
Concen: 6.60 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.4
164	9.5	8.0	12.0





#51

Acenaphthene

Concen: 4.45 ng

RT: 9.70 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

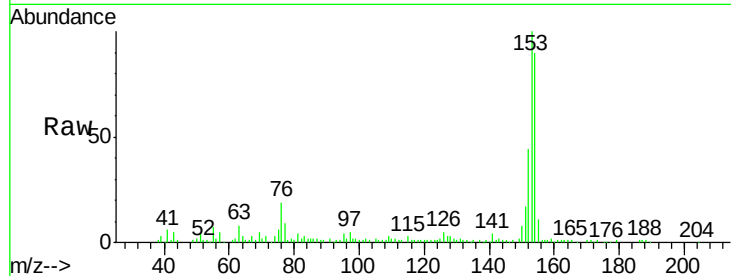
ClientSampled :

P3-SP7

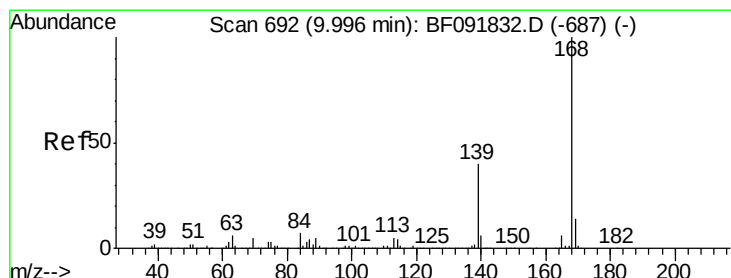
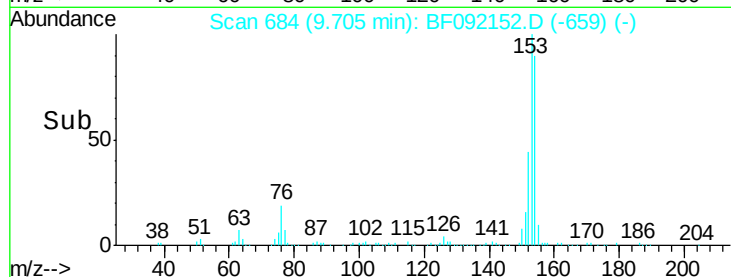
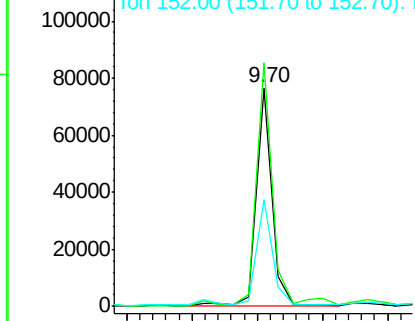
Tgt Ion:	154	Resp:	65144
Ion Ratio	Lower	Upper	
154	100		
153	111.5	88.6	133.0
152	48.9	41.6	62.4

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.87 ng

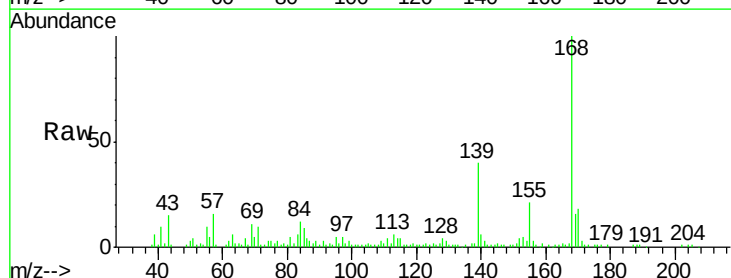
RT: 9.88 min Scan# 699

Delta R.T. -0.01 min

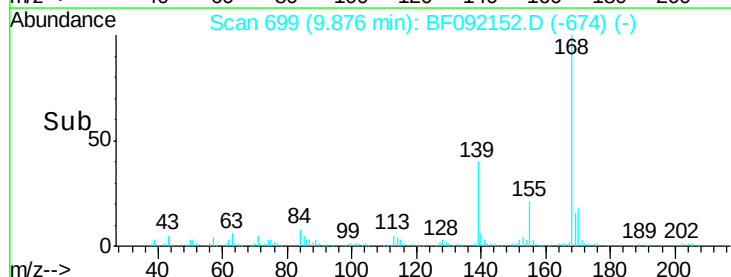
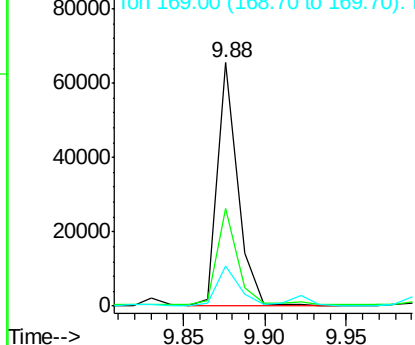
Lab File: BF092152.D

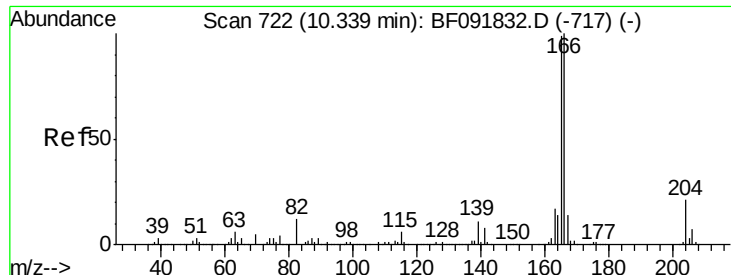
Acq: 9 Jan 2017 21:56

Tgt Ion:	168	Resp:	56864
Ion Ratio	Lower	Upper	
168	100		
139	40.2	32.6	49.0
169	16.2	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.12 ng

RT: 10.22 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

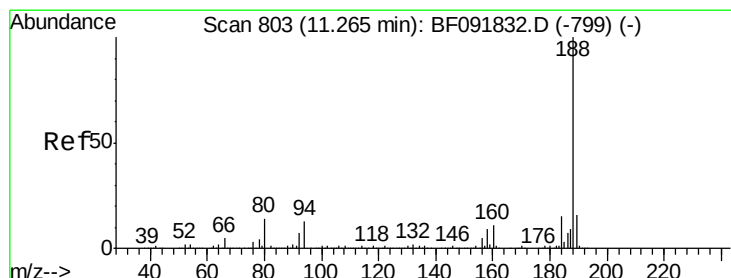
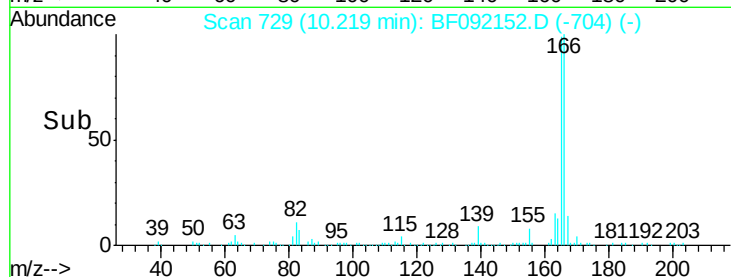
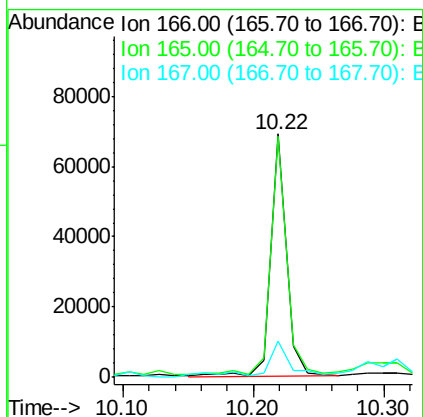
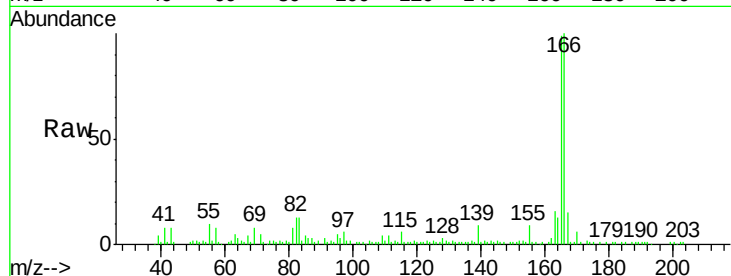
ClientSampleId :

P3-SP7

Tgt Ion:	166	Resp:	59335
Ion Ratio	Lower	Upper	
166	100		
165	99.2	77.8	116.8
167	15.1	10.8	16.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#63

Phenanthrene-d10

Concen: 20.00 ng

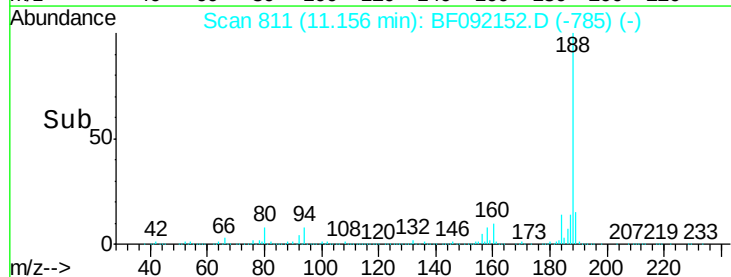
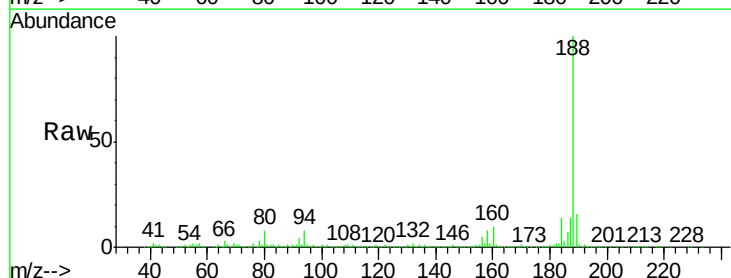
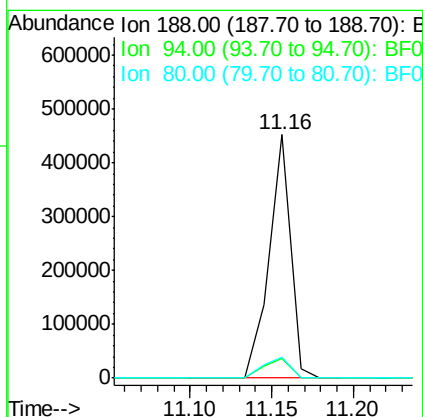
RT: 11.16 min Scan# 811

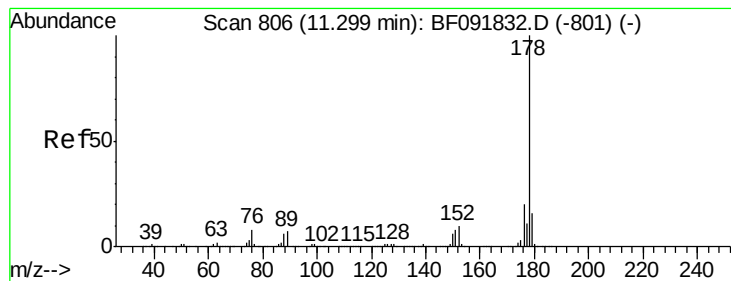
Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt Ion:	188	Resp:	417856
Ion Ratio	Lower	Upper	
188	100		
94	8.2	10.0	15.0#
80	8.3	11.2	16.8#





#70

Phenanthrene

Concen: 13.92 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

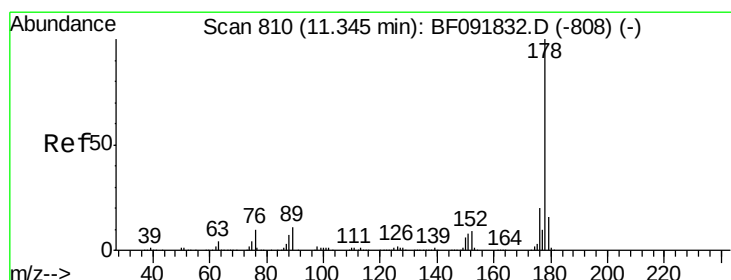
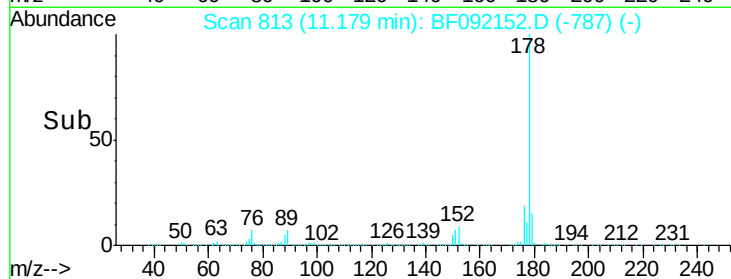
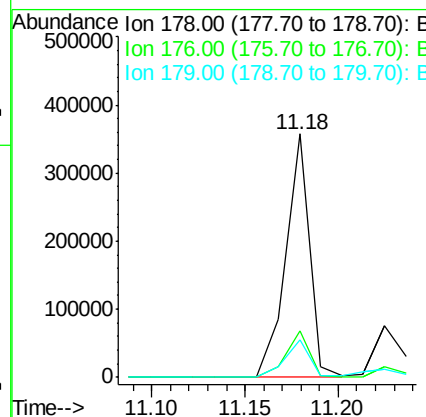
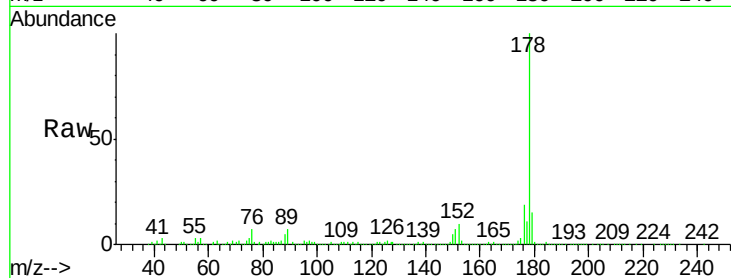
ClientSampleId :

P3-SP7

Tgt Ion:	178	Resp:	315505
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.6	25.0
179	15.5	12.8	19.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#71

Anthracene

Concen: 2.23 ng

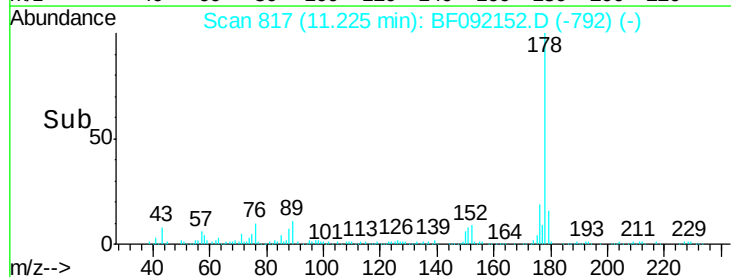
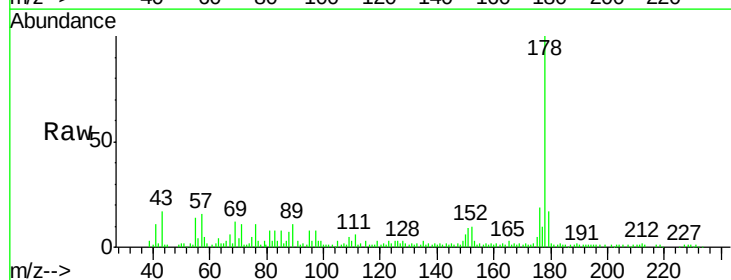
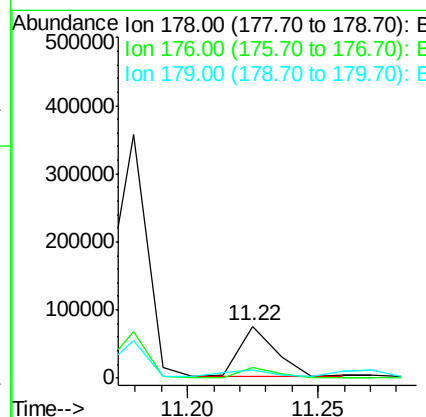
RT: 11.22 min Scan# 817

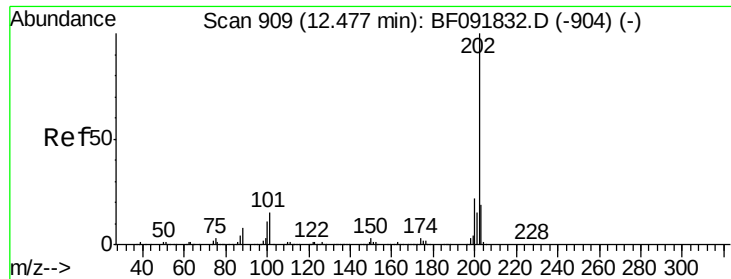
Delta R.T. -0.01 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt Ion:	178	Resp:	72506
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.9	23.9
179	16.6	13.2	19.8





#74

Fluoranthene

Concen: 15.37 ng

RT: 12.37 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

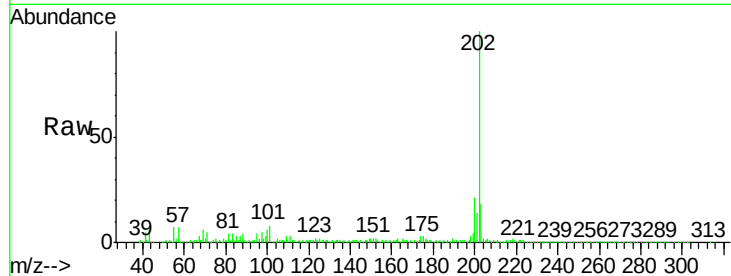
ClientSampleId :

P3-SP7

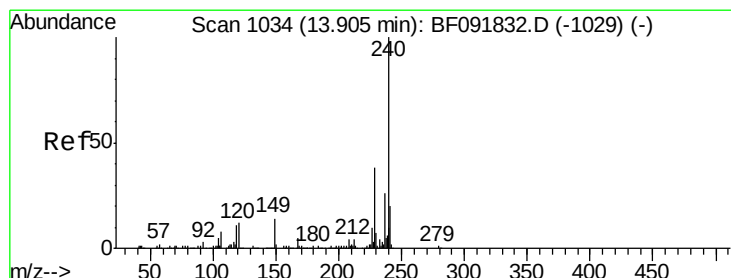
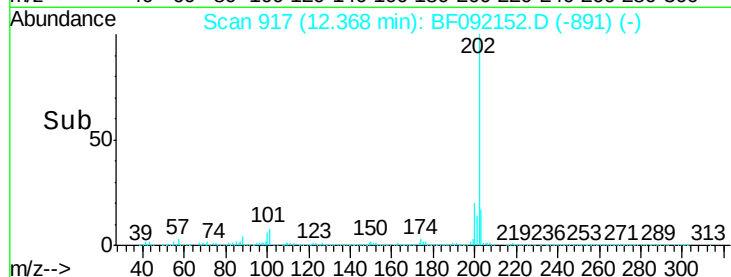
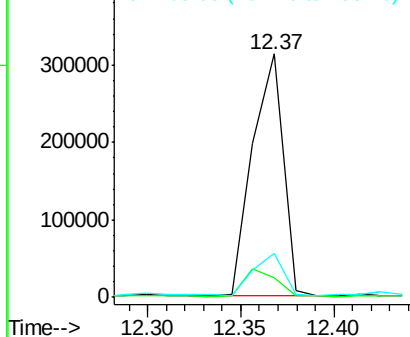
Tgt	Ion	202	Resp:	355572
Ion	Ratio	Lower	Upper	
202	100			
101	8.2	0.0	34.6	
203	17.9	0.0	38.7	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



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: 13.79 min Scan# 1041

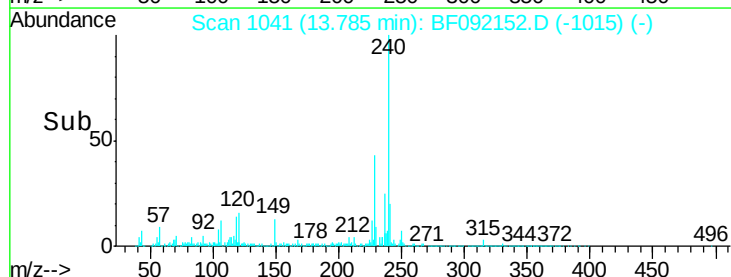
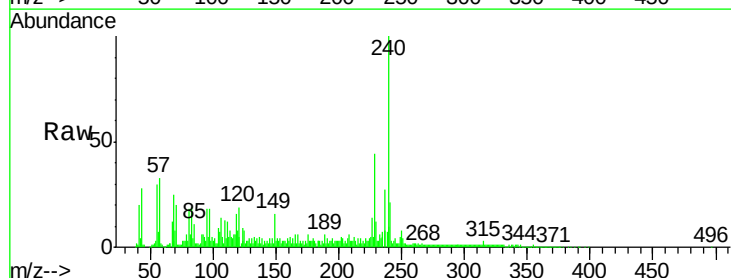
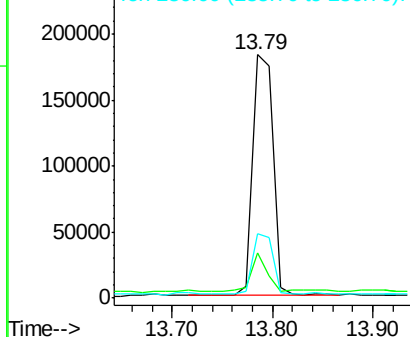
Delta R.T. 0.00 min

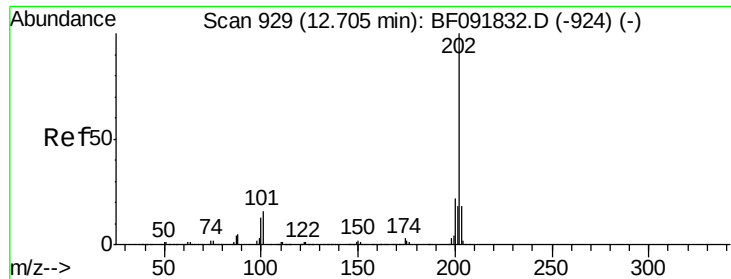
Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt	Ion	240	Resp:	255983
Ion	Ratio	Lower	Upper	
240	100			
120	18.7	12.9	19.3	
236	26.7	20.9	31.3	

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





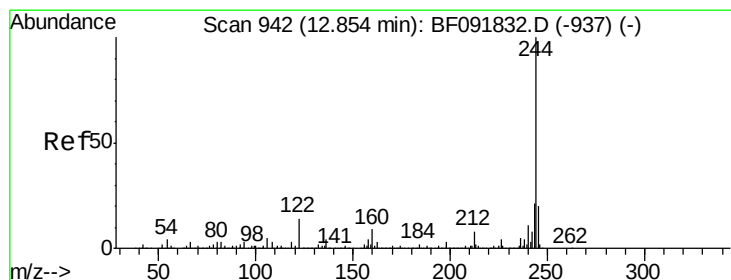
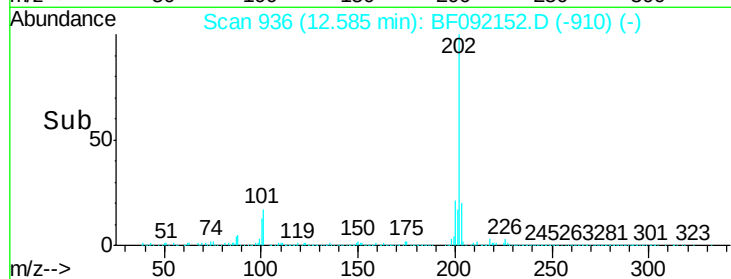
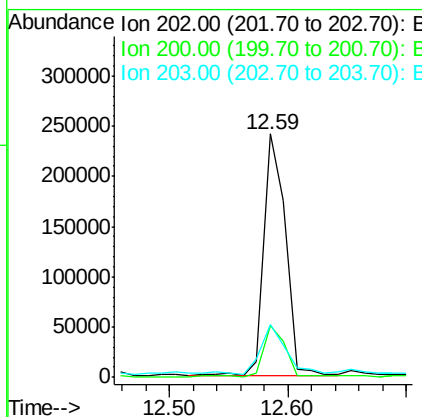
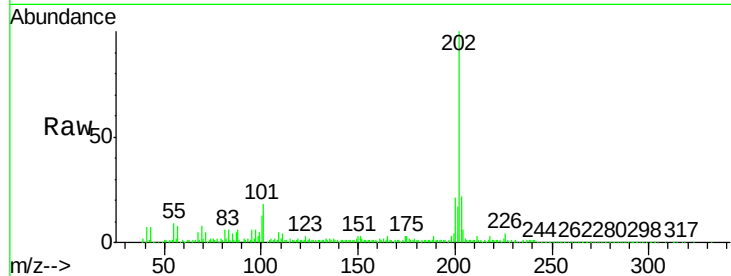
#77
Pyrene
 Concen: 16.44 ng
 RT: 12.59 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: BF092152.D
 Acq: 9 Jan 2017 21:56

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP7

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.7	26.5
203	21.5	14.7	22.1

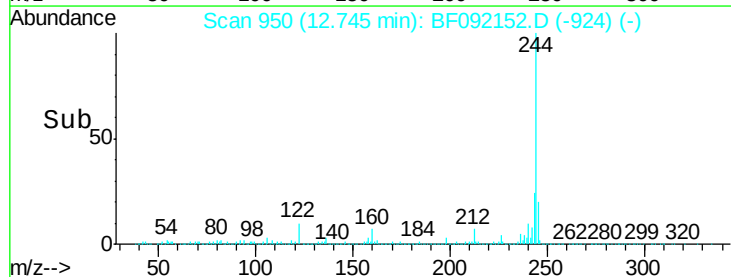
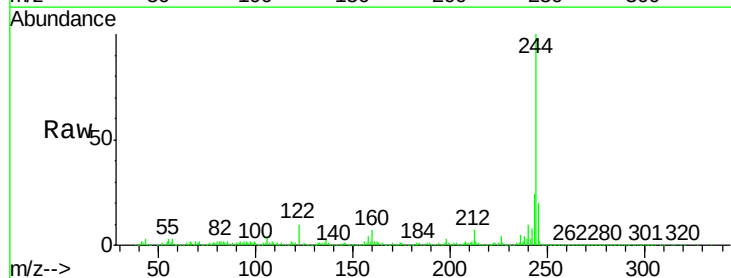
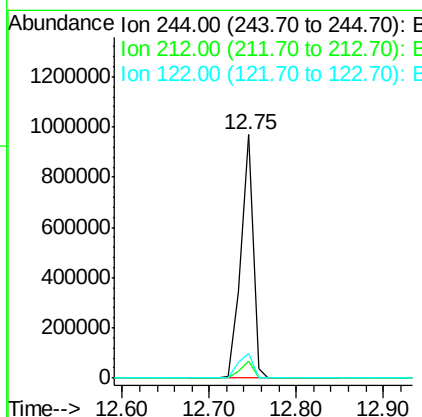
Manual Integrations
APPROVED

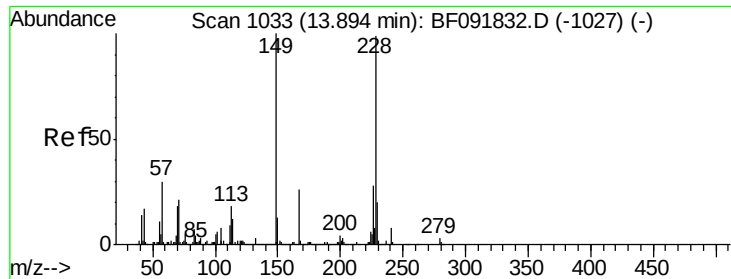
Sohil
 1/10/2017 10:01:33 AM



#78
Terphenyl-d14
 Concen: 88.33 ng
 RT: 12.75 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092152.D
 Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.2	9.2
122	10.1	11.4	17.2#





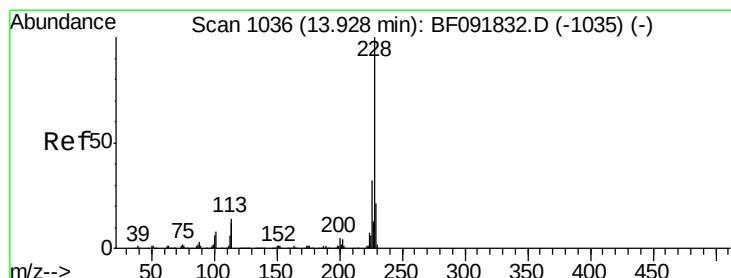
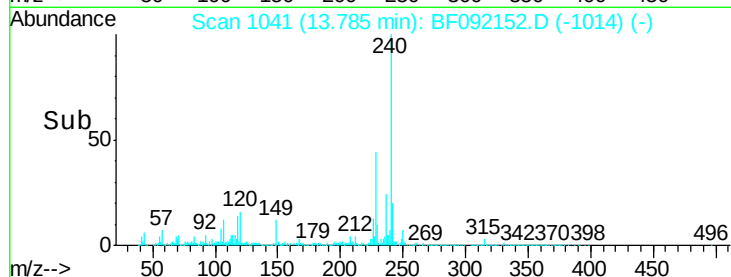
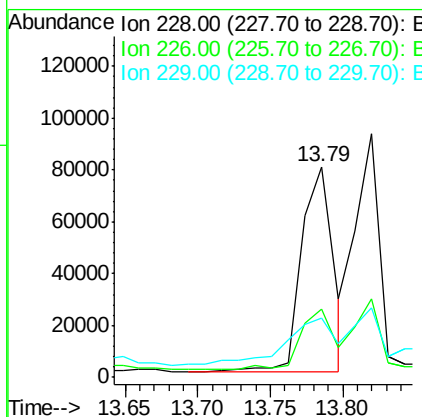
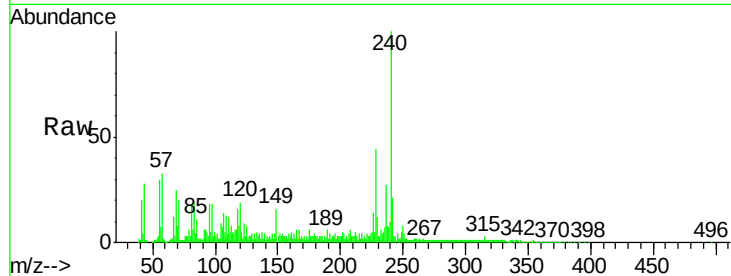
#80
Benzo(a)anthracene
Concen: 8.34 ng
RT: 13.79 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Instrument :
BNA_F
ClientSampleId :
P3-SP7

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.4	33.6
229	27.9	16.2	24.4

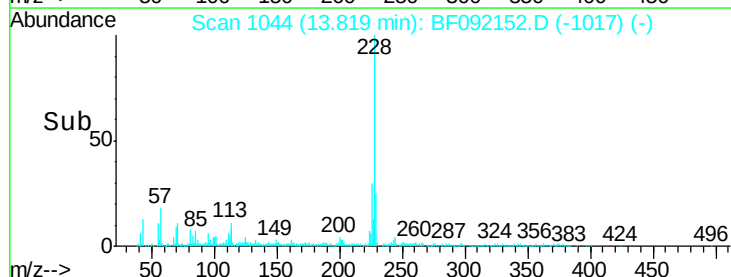
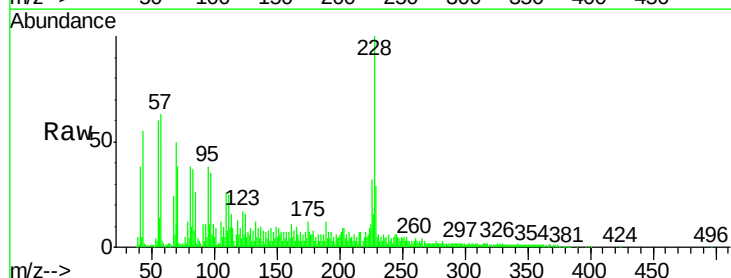
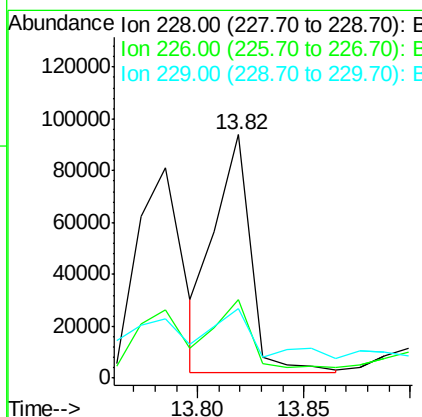
Manual Integrations
APPROVED

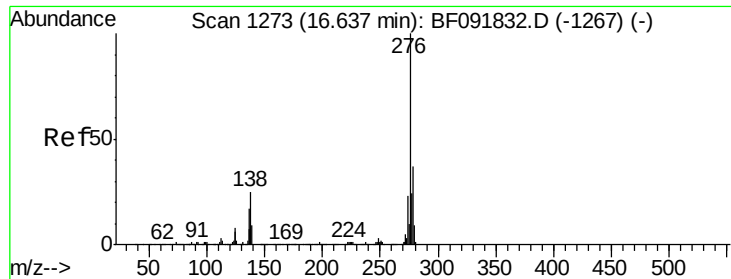
Sohil
1/10/2017 10:01:33 AM



#82
Chrysene
Concen: 7.52 ng m
RT: 13.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.4	38.0
229	28.6	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.13 ng

RT: 16.46 min Scan# 1275

Delta R.T. 0.03 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Instrument :

BNA_F

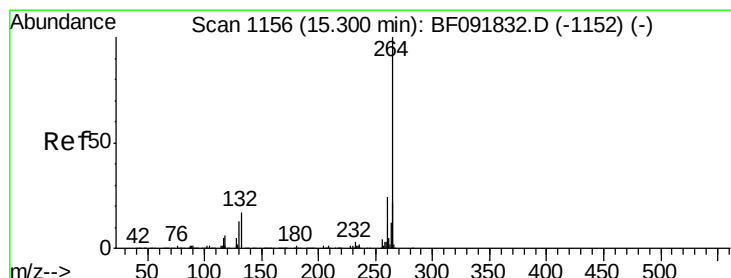
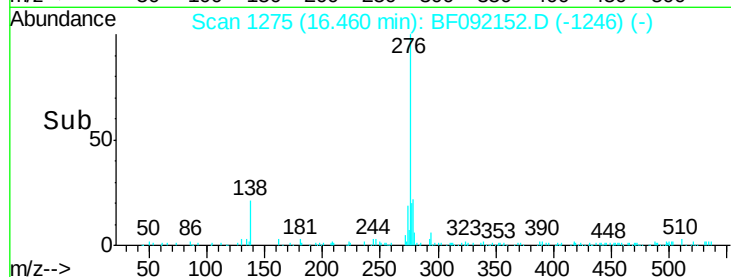
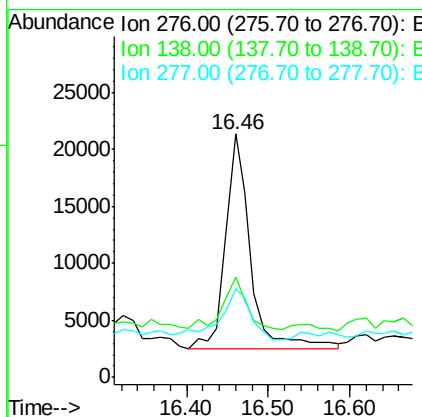
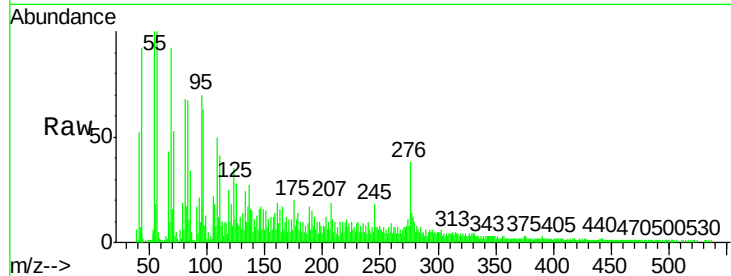
ClientSampled :

P3-SP7

Tgt Ion:	276	Resp:	39285
Ion Ratio	Lower	Upper	
276	100		
138	23.7	21.8	32.6
277	30.4	20.2	30.4#

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#86

Perylene-d12

Concen: 20.00 ng

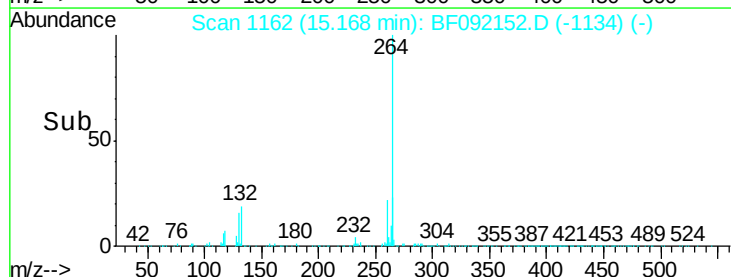
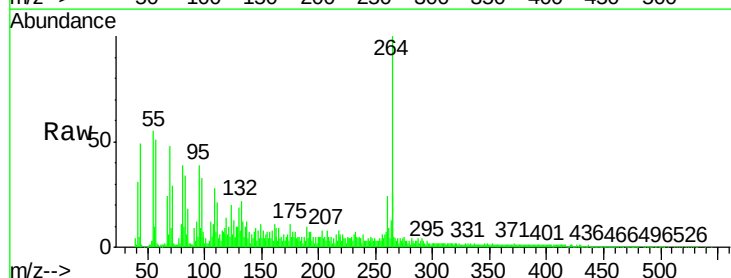
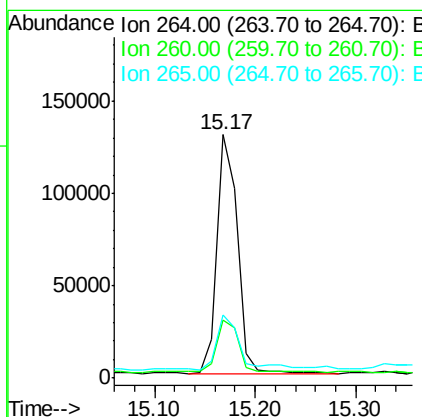
RT: 15.17 min Scan# 1162

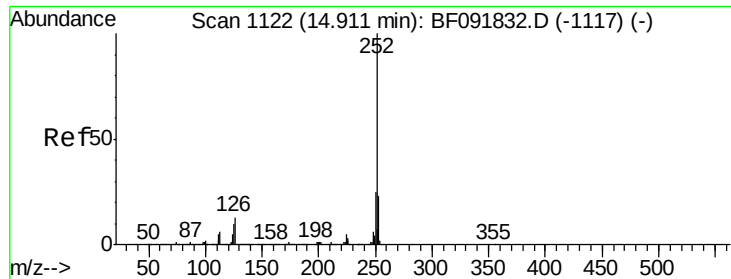
Delta R.T. 0.02 min

Lab File: BF092152.D

Acq: 9 Jan 2017 21:56

Tgt Ion:	264	Resp:	181900
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	25.7	17.4	26.0





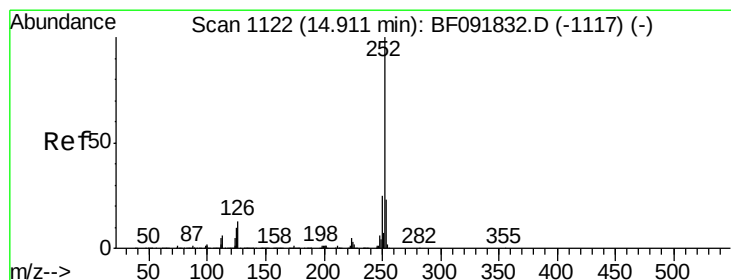
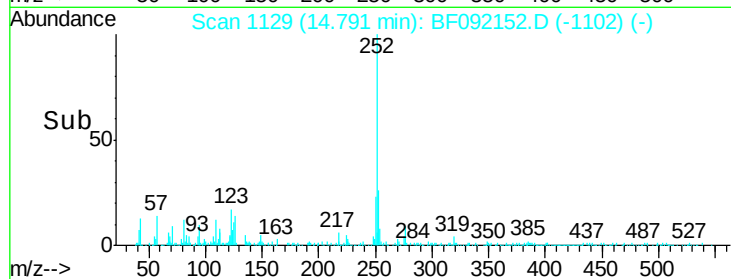
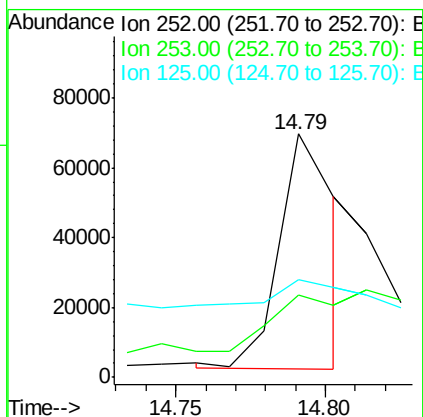
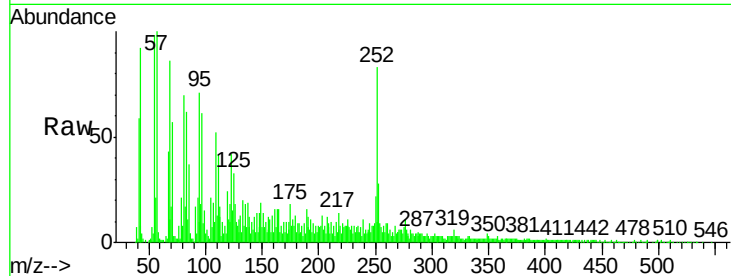
#87
Benzo(b)fluoranthene
Concen: 7.74 ng m
RT: 14.79 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Instrument :
BNA_F
ClientSampleId :
P3-SP7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.2	27.4#
125	39.9	9.8	14.6#

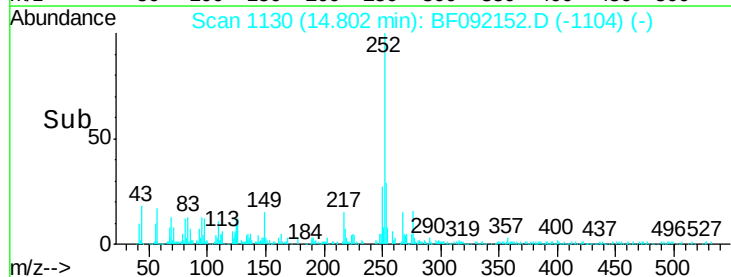
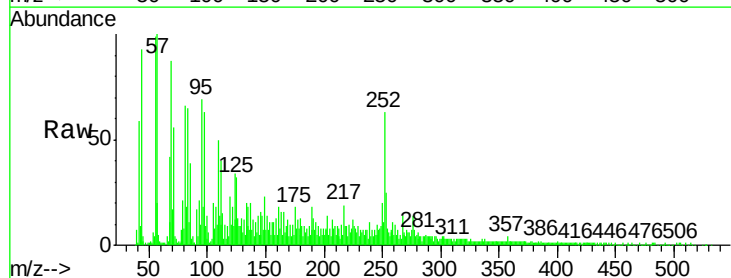
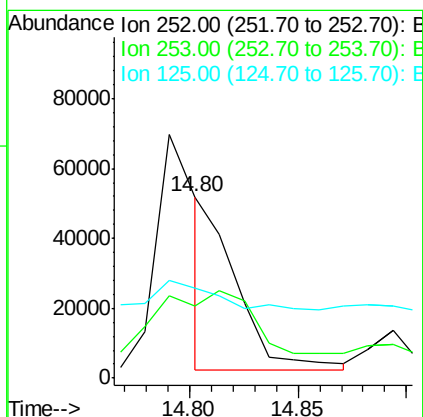
Manual Integrations
APPROVED

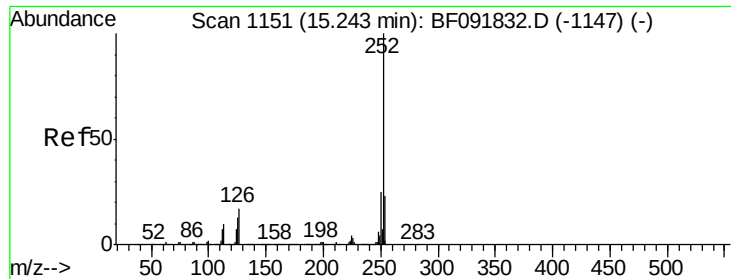
Sohil
1/10/2017 10:01:33 AM



#88
Benzo(k)fluoranthene
Concen: 4.82 ng m
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.4	18.5	27.7#
125	49.9	8.9	13.3#





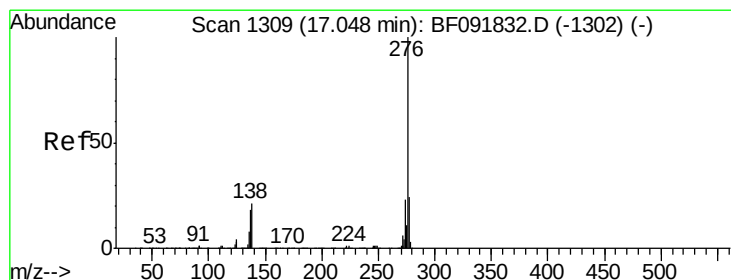
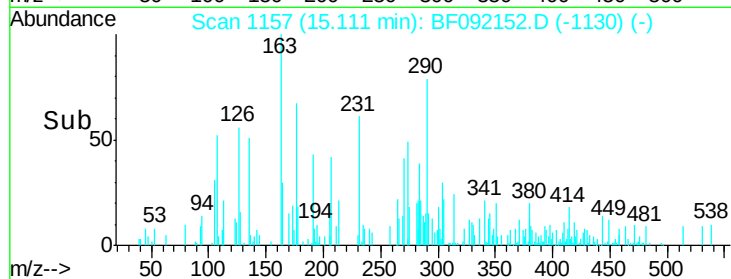
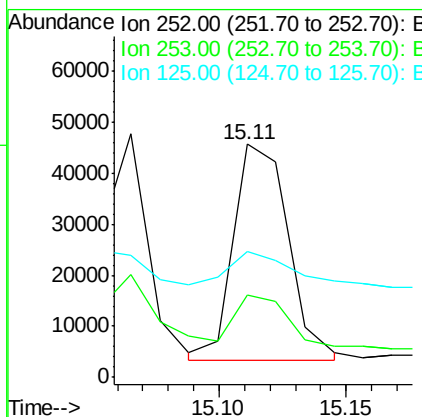
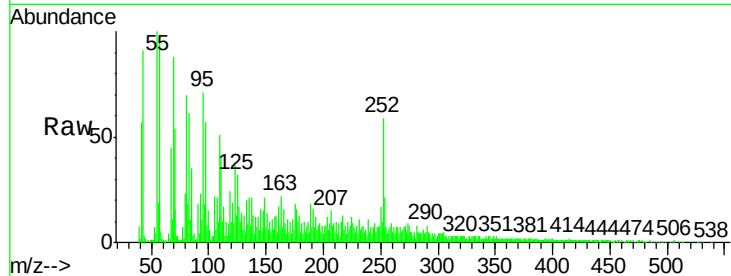
#89
Benzo(a)pyrene
Concen: 6.31 ng m
RT: 15.11 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Instrument :
BNA_F
ClientSampleId :
P3-SP7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.2	18.2	27.2#
125	54.1	10.0	15.0#

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:33 AM



#91
Benzo(g,h,i)perylene
Concen: 4.20 ng
RT: 16.85 min Scan# 1309
Delta R.T. 0.05 min
Lab File: BF092152.D
Acq: 9 Jan 2017 21:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	39.6	19.2	28.8#
138	39.9	16.0	24.0#

