

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092154.D
 Acq On : 9 Jan 2017 22:50
 Operator : UM/SJ
 Sample : I1057-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:37 AM

Quant Time: Jan 10 03:45:57 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	6.64	152	159951	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	570489	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	252900	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	426656	20.00	ng	0.00
75) Chrysene-d12	13.80	240	277922	20.00	ng	0.01
86) Perylene-d12	15.18	264	205124	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	965758	100.82	ng	0.00
7) Phenol-d6	6.31	99	1090277	93.22	ng	0.00
23) Nitrobenzene-d5	7.20	82	554054	54.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	118423	56.58	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	969664	77.41	ng	0.00
78) Terphenyl-d14	12.74	244	748161	65.29	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.32	94	74990	5.63	ng	# 72
31) Naphthalene	7.94	128	100893	3.86	ng	98
49) Dimethylphthalate	9.41	163	60980	3.77	ng	100
51) Acenaphthene	9.70	154	96336	6.74	ng	99
54) Dibenzofuran	9.88	168	93957	4.87	ng	99
57) Fluorene	10.22	166	96076	6.84	ng	98
70) Phenanthrene	11.18	178	450904	19.49	ng	98
71) Anthracene	11.22	178	107747	3.52	ng	98
74) Fluoranthene	12.37	202	404324	17.59	ng	94
77) Pyrene	12.60	202	342711	16.81	ng	97
80) Benzo(a)anthracene	13.79	228	134719	8.59	ng	# 93
82) Chrysene	13.82	228	128372m	8.16	ng	
85) Indeno(1,2,3-cd)pyrene	16.46	276	45302	3.32	ng	95
87) Benzo(b)fluoranthene	14.80	252	147664m	11.56	ng	
88) Benzo(k)fluoranthene	14.81	252	23924m	2.20	ng	
89) Benzo(a)pyrene	15.12	252	78639	6.94	ng	# 66
91) Benzo(g,h,i)perylene	16.85	276	47725	4.93	ng	# 76

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

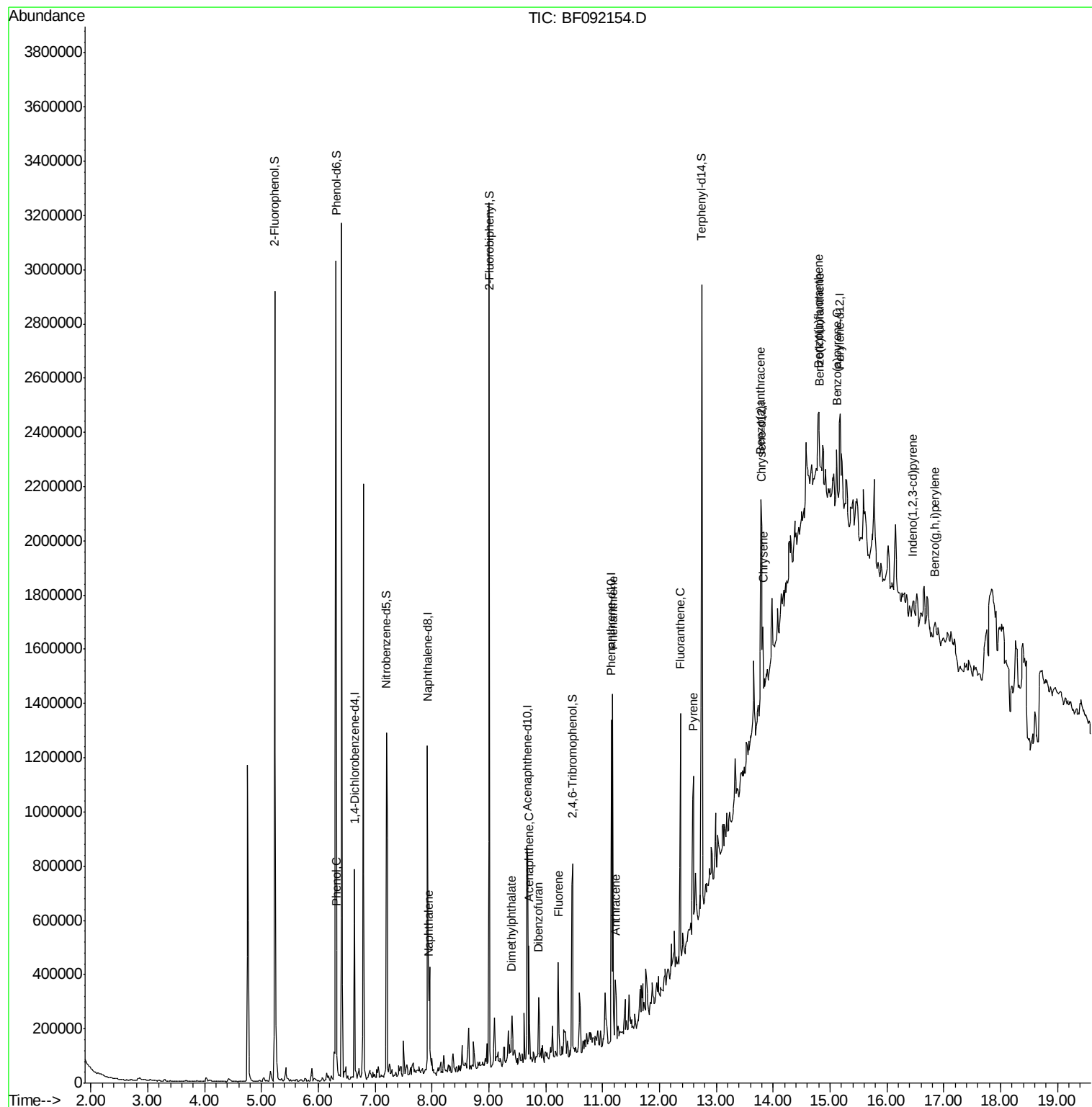
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092154.D
Acq On : 9 Jan 2017 22:50
Operator : UM/SJ
Sample : I1057-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

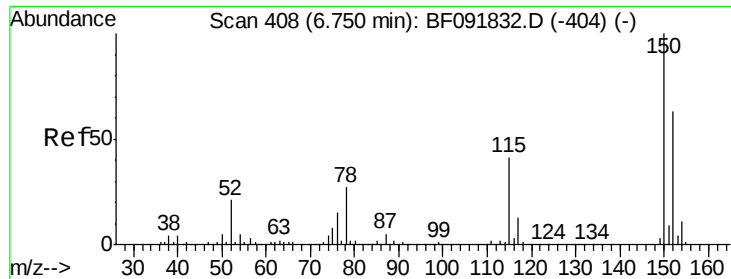
Instrument :
BNA_F
ClientSampleId :
P3-SP9

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM

Quant Time: Jan 10 03:45:57 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: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Instrument :

BNA_F

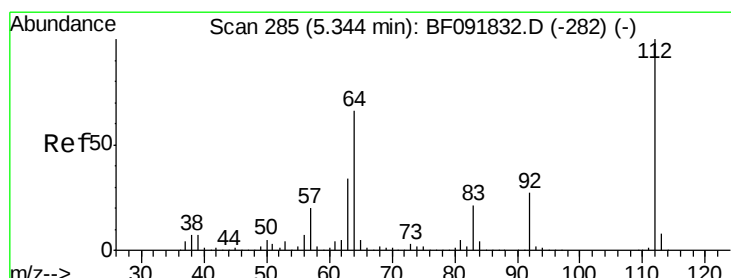
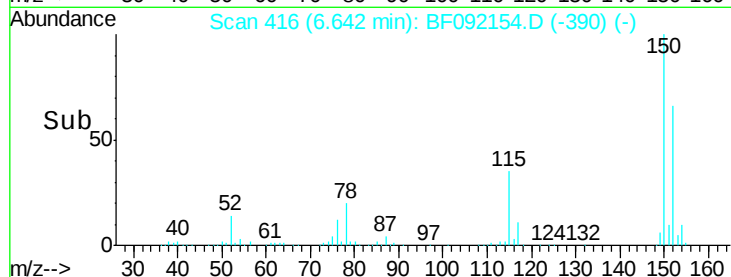
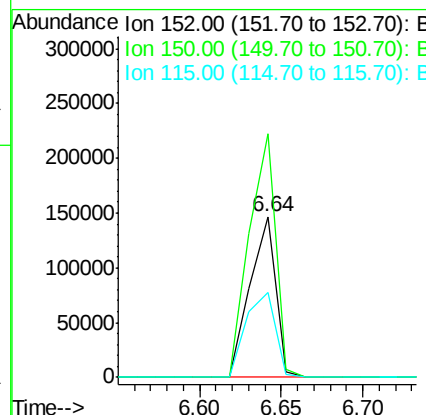
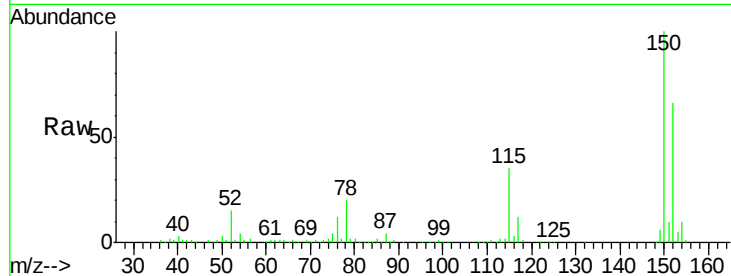
ClientSampleId :

P3-SP9

Tgt Ion:	152	Resp:	159951
Ion Ratio	Lower	Upper	
152	100		
150	151.4	124.9	187.3
115	52.6	46.0	69.0

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



#5

2-Fluorophenol

Concen: 100.82 ng

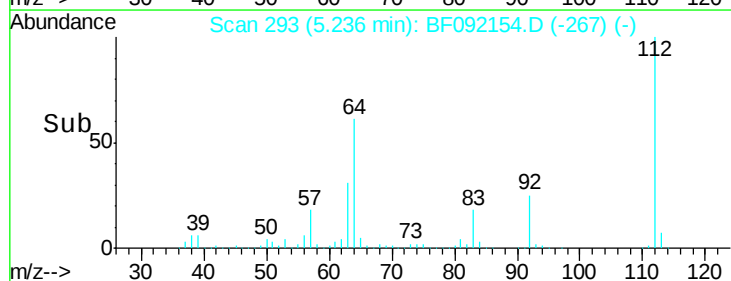
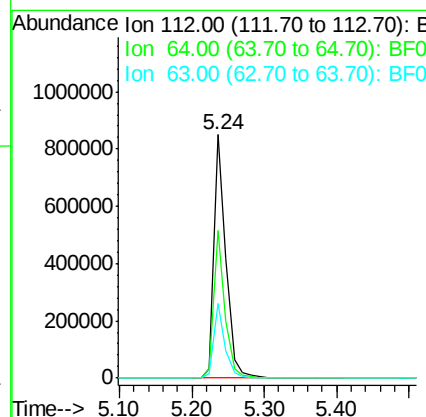
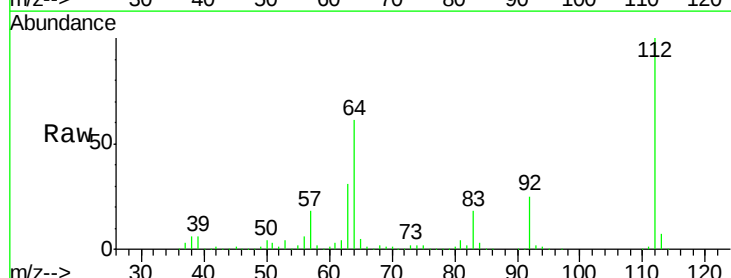
RT: 5.24 min Scan# 293

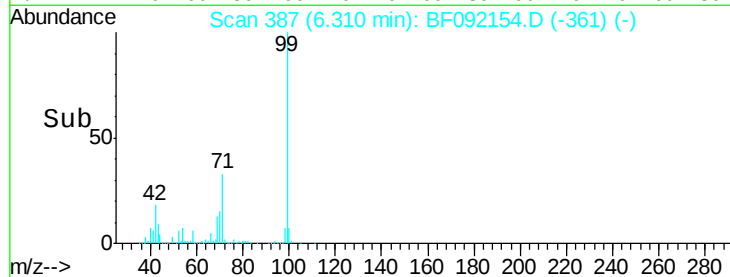
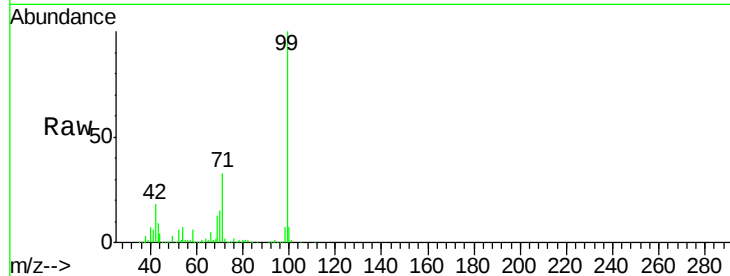
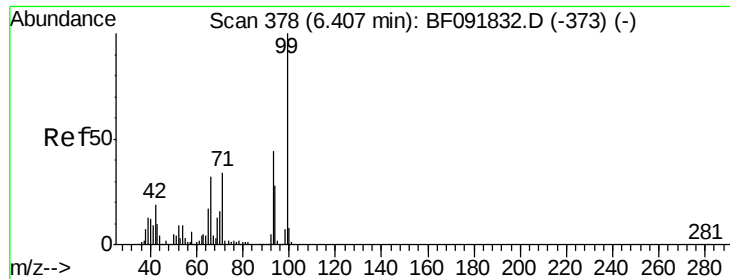
Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion:	112	Resp:	965758
Ion Ratio	Lower	Upper	
112	100		
64	60.6	46.1	69.1
63	30.8	23.8	35.6





#7

Phenol-d6

Concen: 93.22 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion:	99	Resp:	1090277
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.6	23.4
71	33.0	27.5	41.3

Instrument :

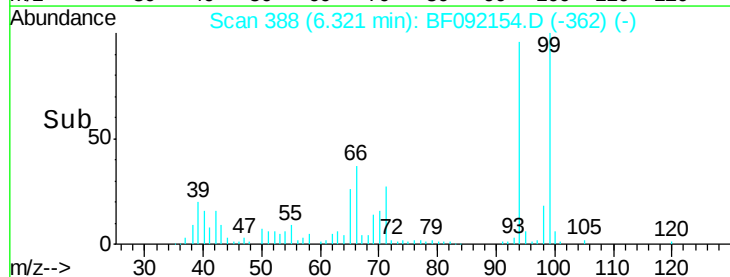
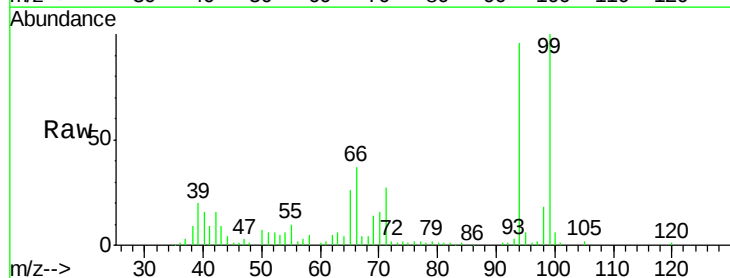
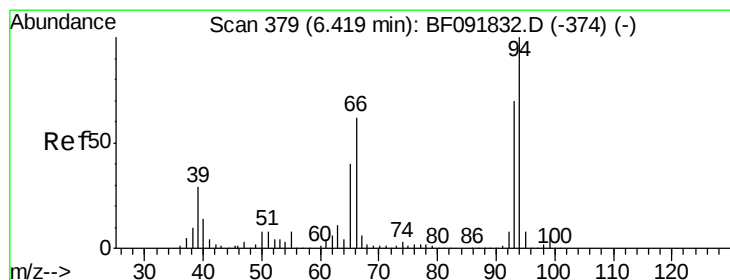
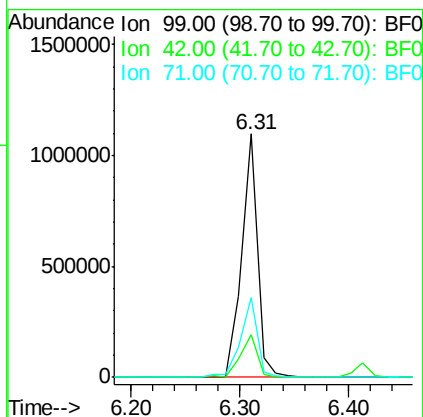
BNA_F

ClientSampled :

P3-SP9

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



#10

Phenol

Concen: 5.63 ng

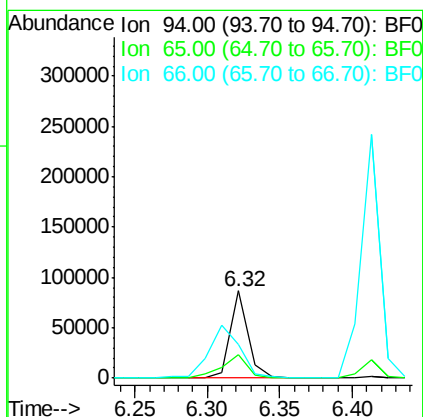
RT: 6.32 min Scan# 388

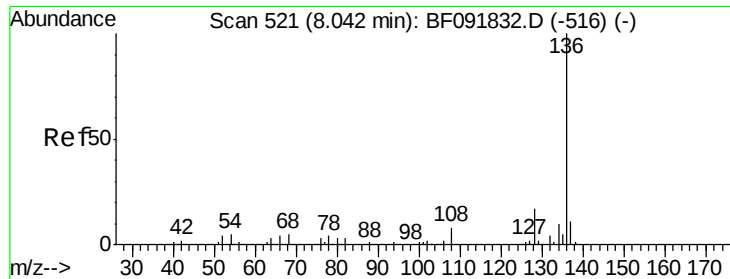
Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion:	94	Resp:	74990
Ion	Ratio	Lower	Upper
94	100		
65	27.4	21.4	61.4
66	39.1	44.0	84.0#





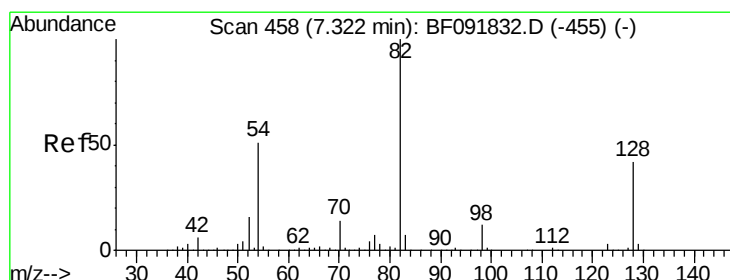
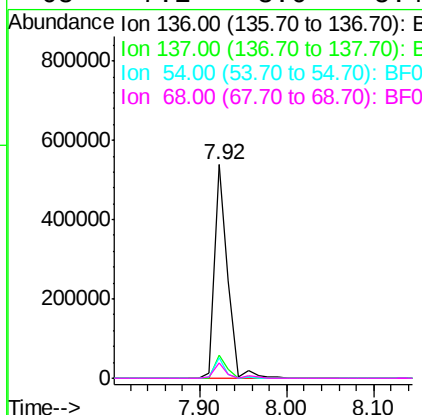
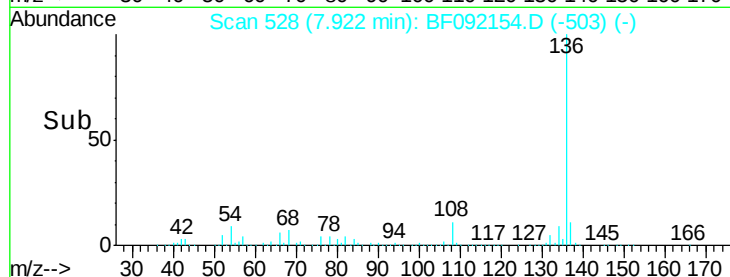
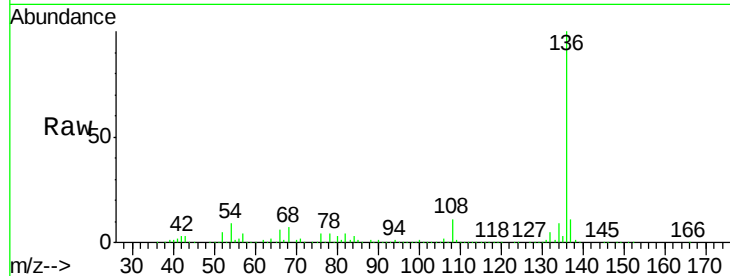
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Instrument :
BNA_F
ClientSampled :
P3-SP9

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	570489		
137	11.0	8.4	12.6	
54	9.4	4.5	6.7#	
68	7.1	3.6	5.4#	

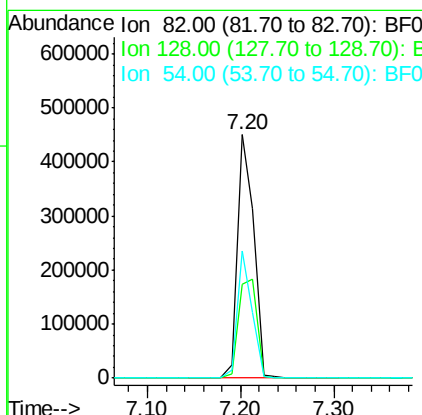
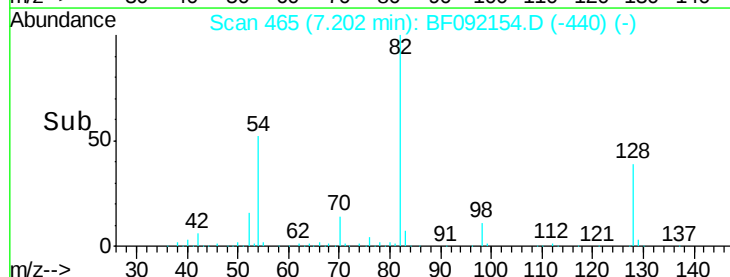
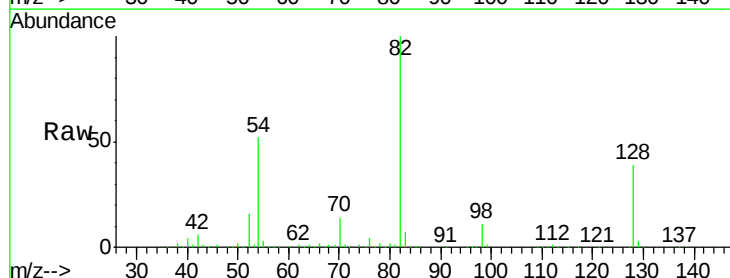
Manual Integrations
APPROVED

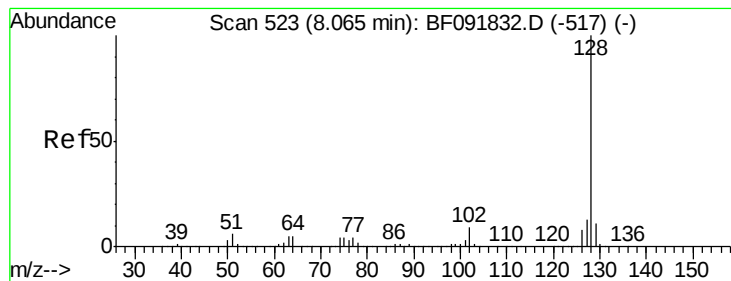
Sohil
1/10/2017 10:01:37 AM



#23
Nitrobenzene-d5
Concen: 54.00 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	554054		
128	38.7	34.6	52.0	
54	52.3	39.5	59.3	





#31

Naphthalene

Concen: 3.86 ng

RT: 7.94 min Scan# 530

Delta R.T. -0.01 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Instrument :

BNA_F

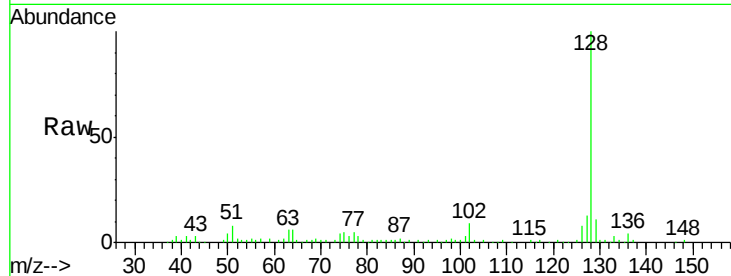
ClientSampleId :

P3-SP9

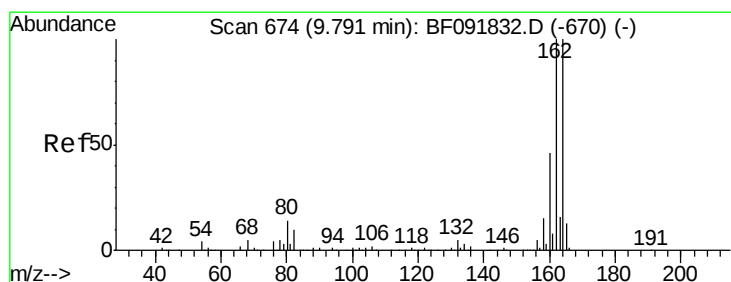
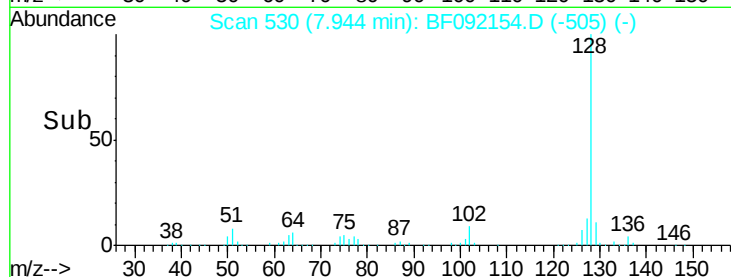
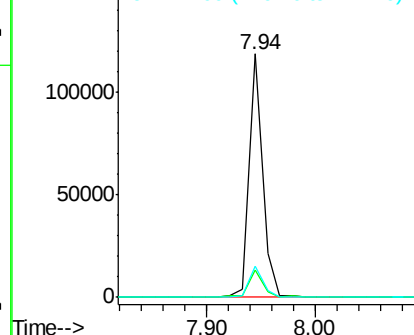
Tgt Ion:	128	Resp:	100893
Ion Ratio		Lower	Upper
128	100		
129	11.1	9.5	14.3
127	12.8	10.8	16.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

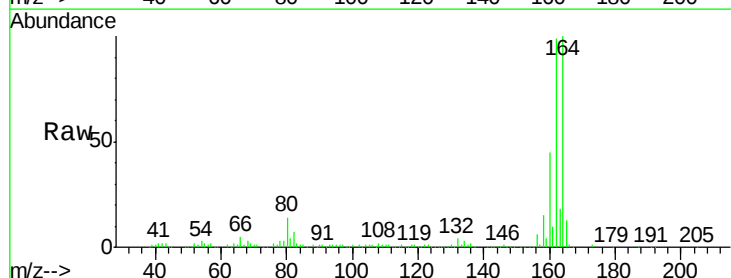
RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

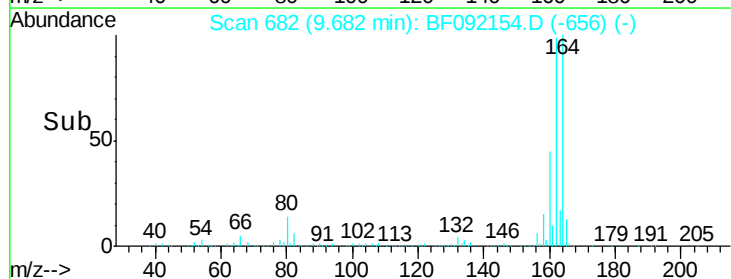
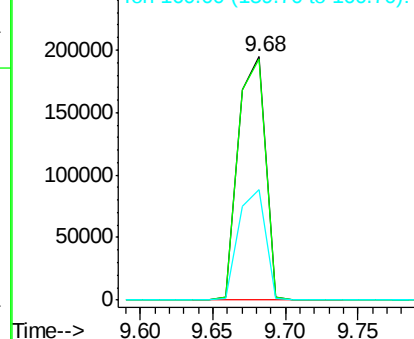
Lab File: BF092154.D

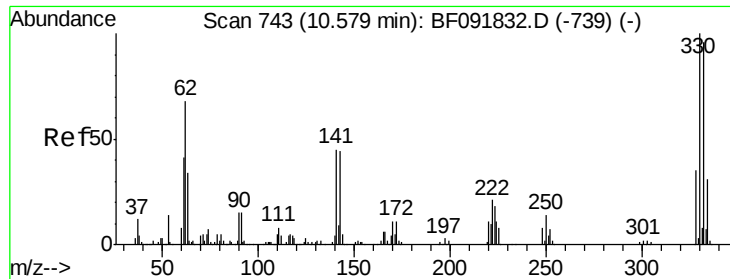
Acq: 9 Jan 2017 22:50

Tgt Ion:	164	Resp:	252900
Ion Ratio		Lower	Upper
164	100		
162	98.9	80.2	120.2
160	45.2	36.9	55.3



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





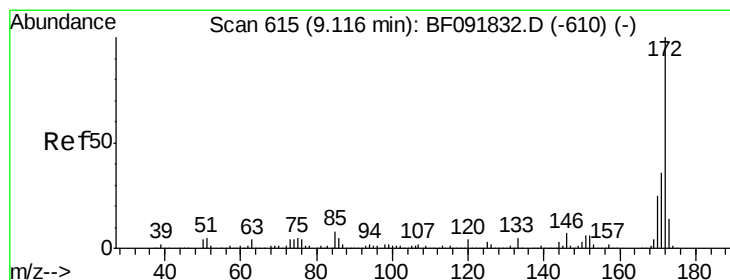
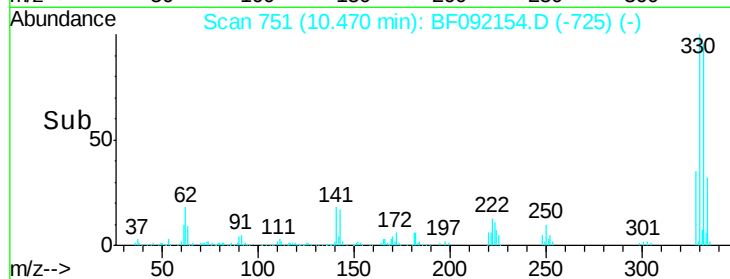
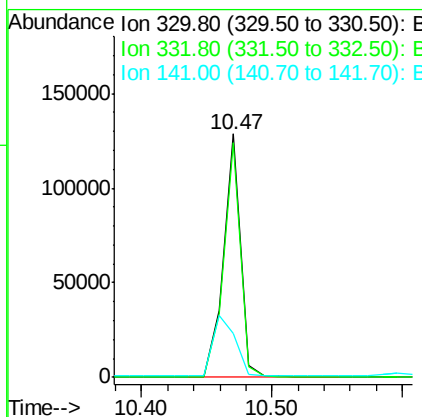
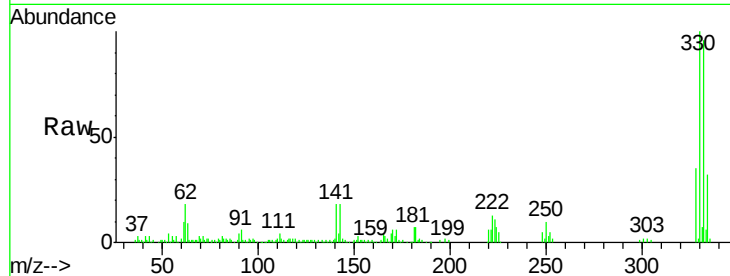
#41
 2,4,6-Tribromophenol
 Concen: 56.58 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	118423		
332	96.2	77.4	116.2	
141	33.6	34.1	51.1#	

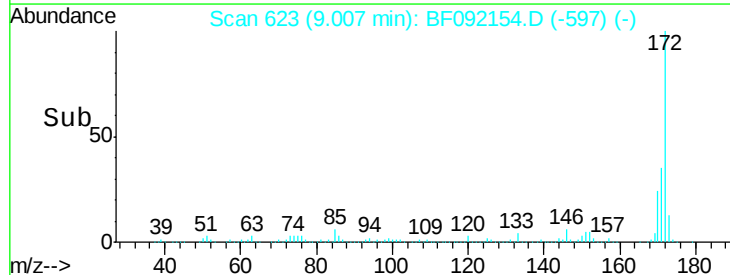
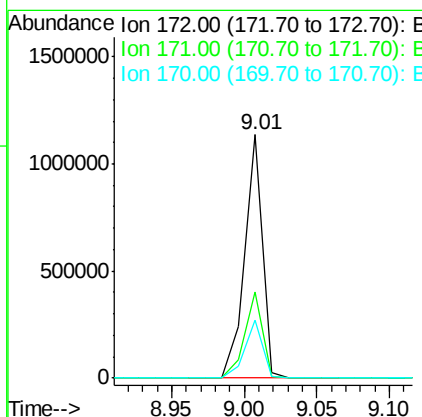
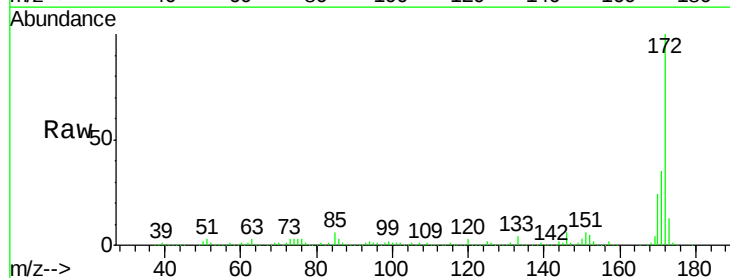
Manual Integrations
 APPROVED

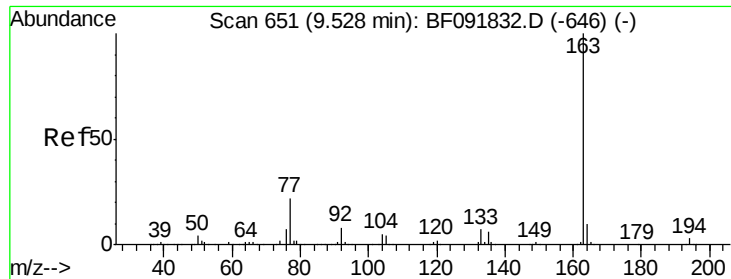
Sohil
 1/10/2017 10:01:37 AM



#44
 2-Fluorobiphenyl
 Concen: 77.41 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	969664		
171	35.4	29.4	44.0	
170	23.8	20.2	30.4	





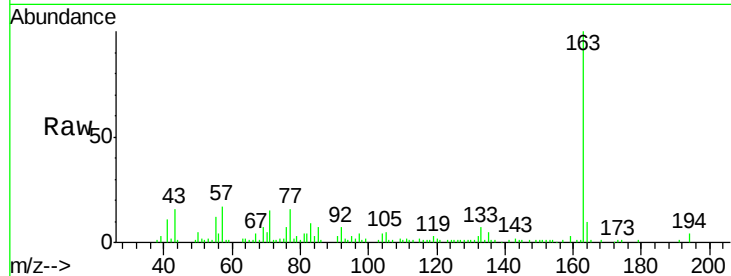
#49
Dimethylphthalate
Concen: 3.77 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Instrument :
BNA_F
ClientSampleId :
P3-SP9

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	60980		
194	3.7		3.0	4.4
164	10.2		8.0	12.0

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM

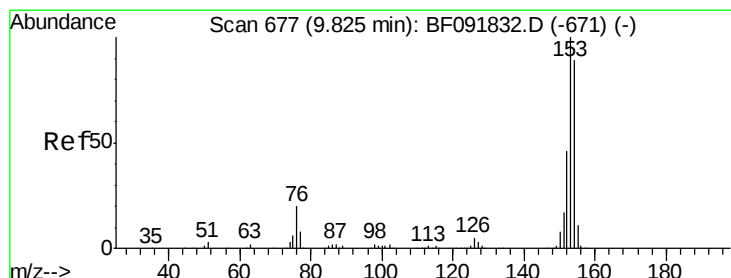
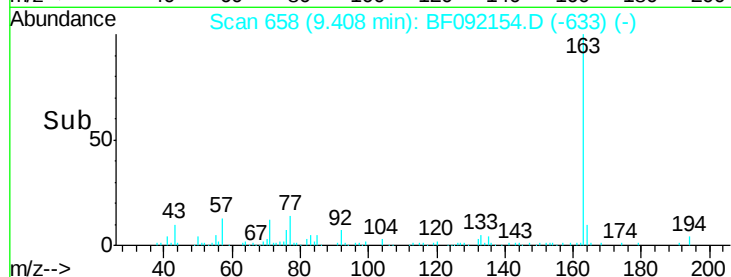
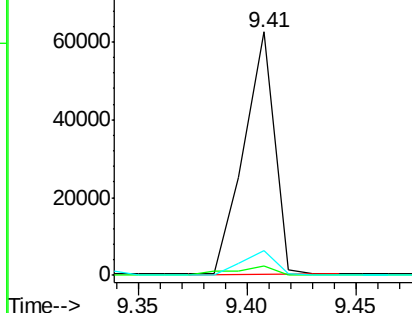


Abundance

Ion 163.00 (162.70 to 163.70): E

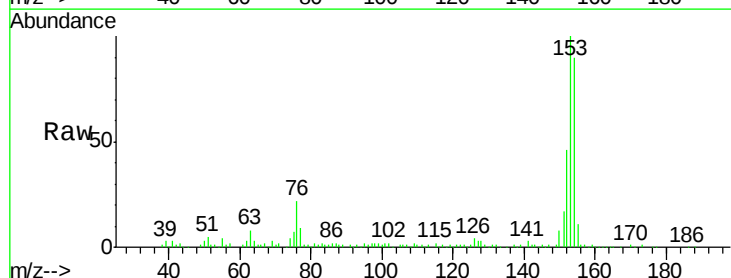
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 6.74 ng
RT: 9.70 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	96336		
153	111.0		88.6	133.0
152	50.9		41.6	62.4

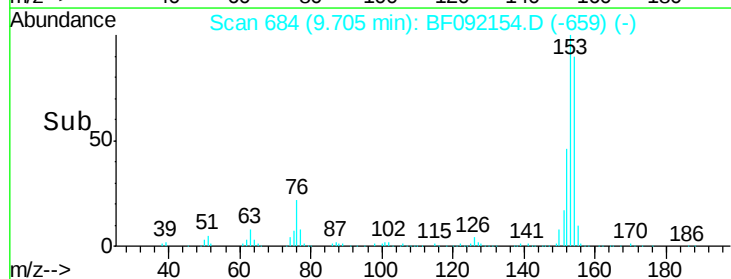
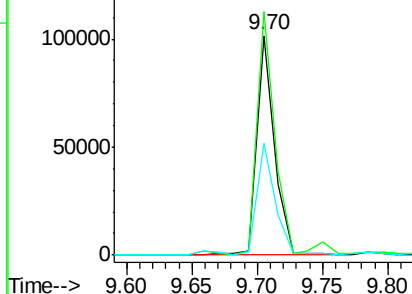


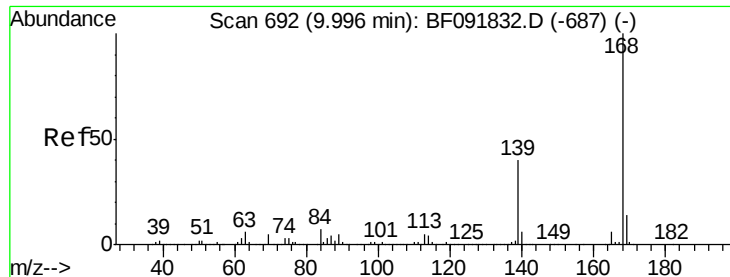
Abundance

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





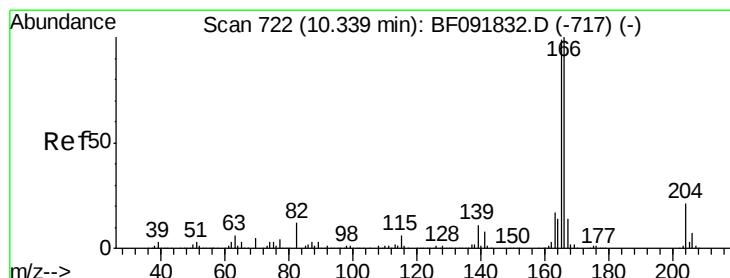
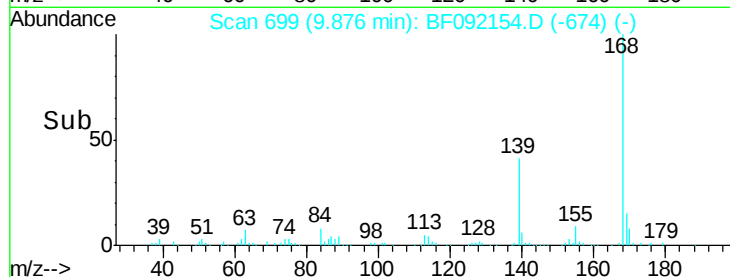
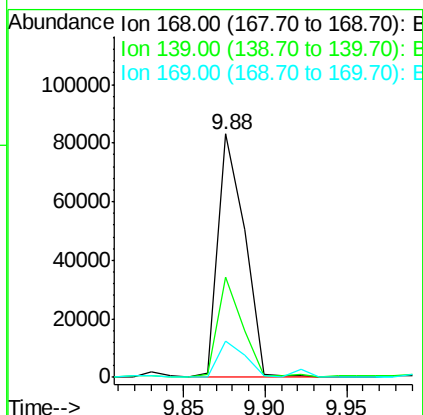
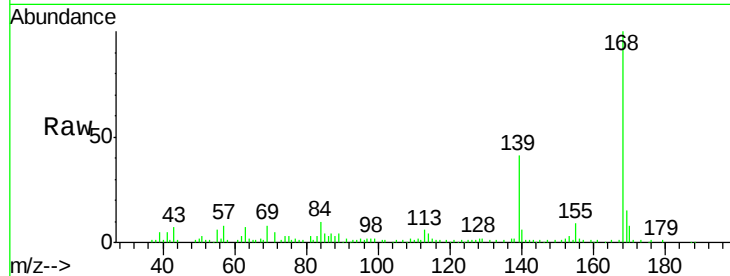
#54
Dibenzenofuran
Concen: 4.87 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Instrument :
BNA_F
ClientSampled :
P3-SP9

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.6	49.0
169	14.6	11.3	16.9

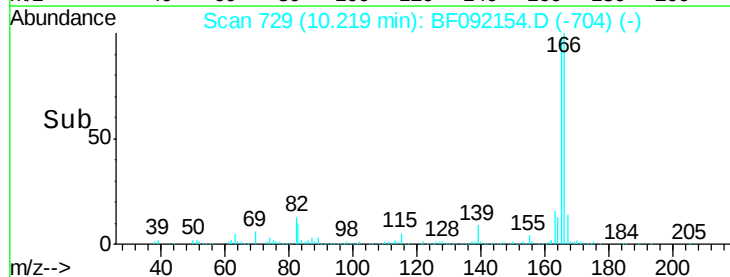
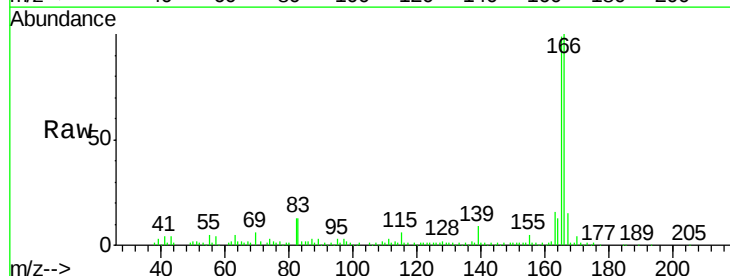
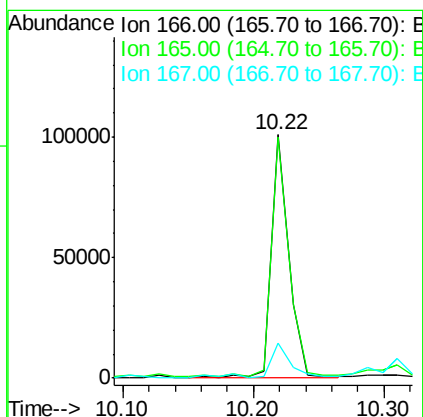
Manual Integrations
APPROVED

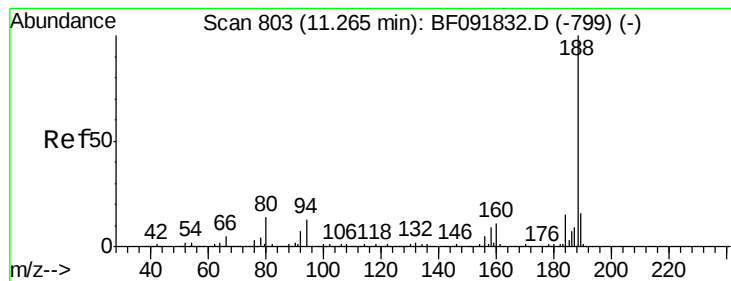
Sohil
1/10/2017 10:01:37 AM



#57
Fluorene
Concen: 6.84 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	77.8	116.8
167	14.5	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Instrument :

BNA_F

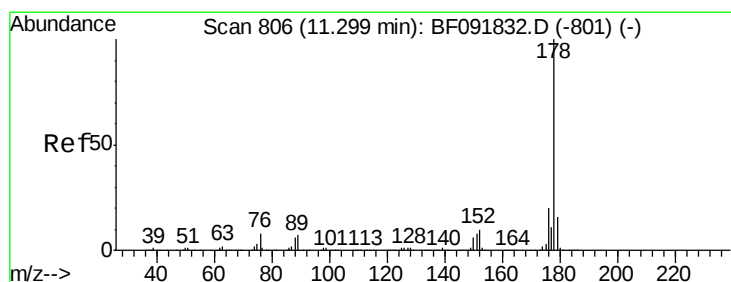
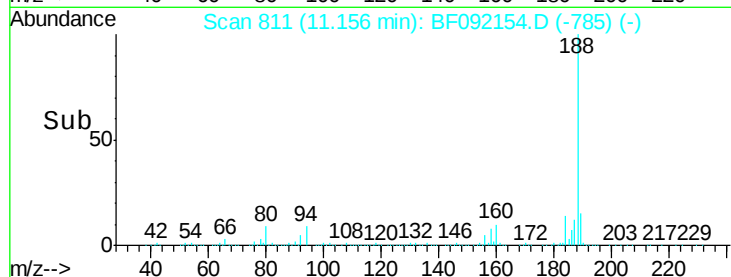
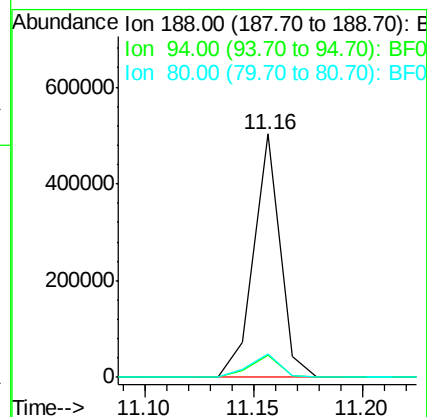
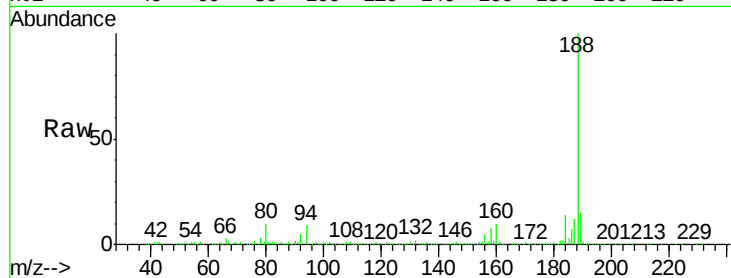
ClientSampleId :

P3-SP9

Tgt Ion:	188	Resp:	426656
Ion Ratio	Lower	Upper	
188	100		
94	9.0	10.0	15.0#
80	9.6	11.2	16.8#

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



#70

Phenanthrene

Concen: 19.49 ng

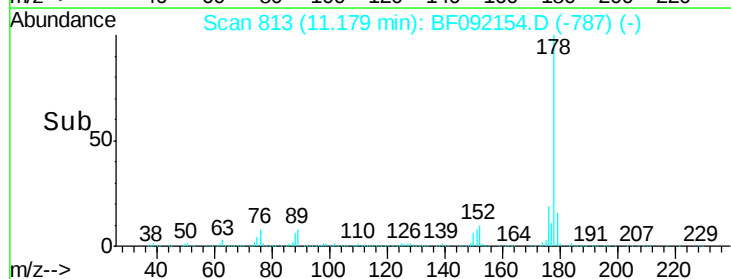
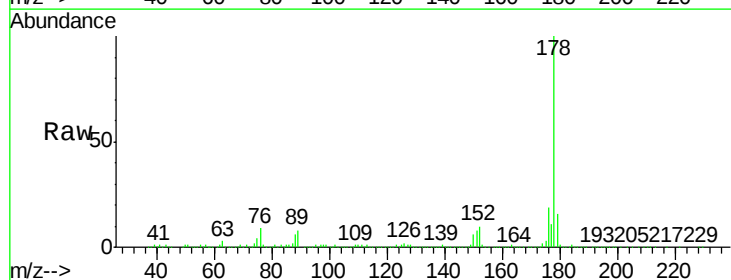
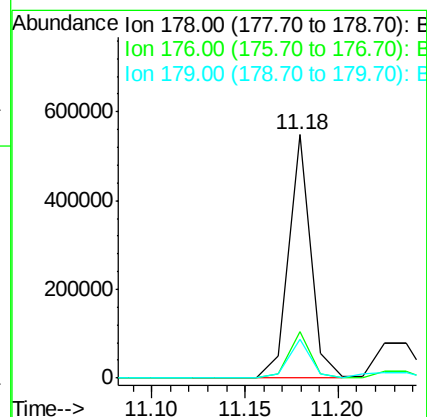
RT: 11.18 min Scan# 813

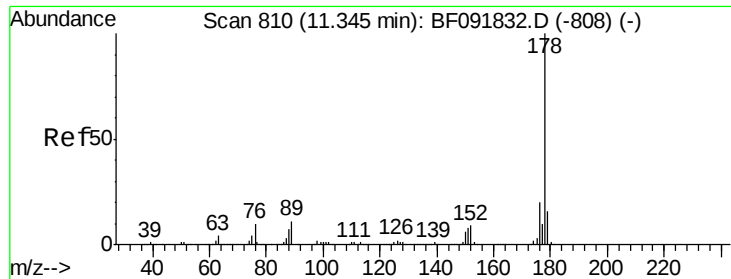
Delta R.T. 0.00 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion:	178	Resp:	450904
Ion Ratio	Lower	Upper	
178	100		
176	19.3	16.6	25.0
179	15.8	12.8	19.2





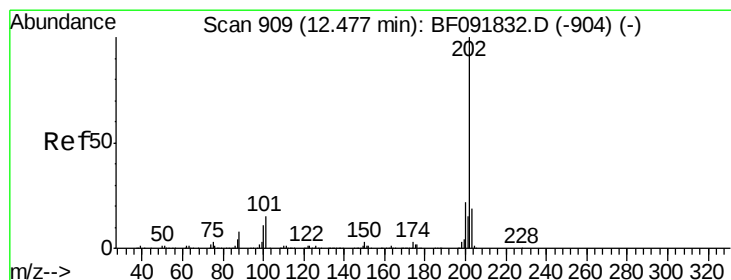
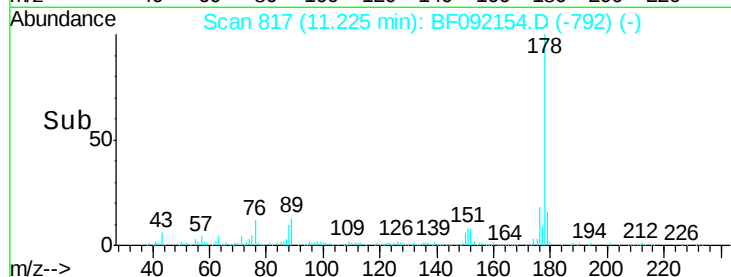
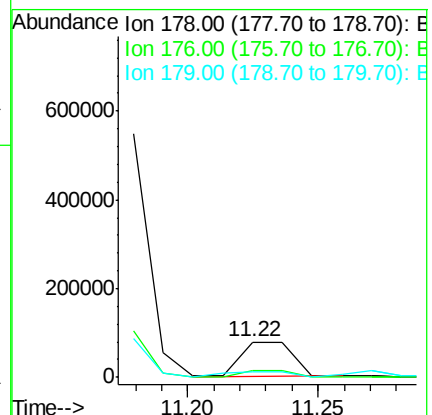
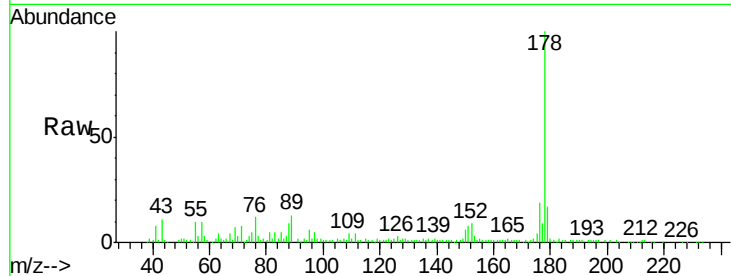
#71
 Anthracene
 Concen: 3.52 ng
 RT: 11.22 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Instrument :
 BNA_F
 ClientSampled :
 P3-SP9

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	16.9	13.2	19.8

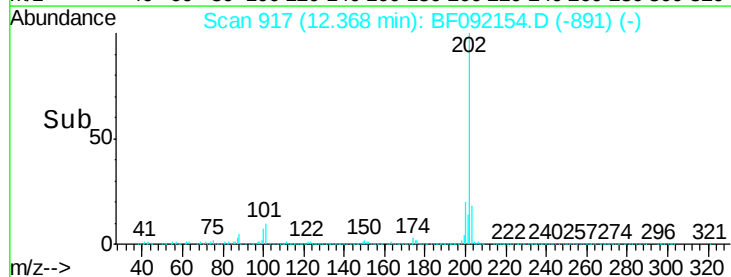
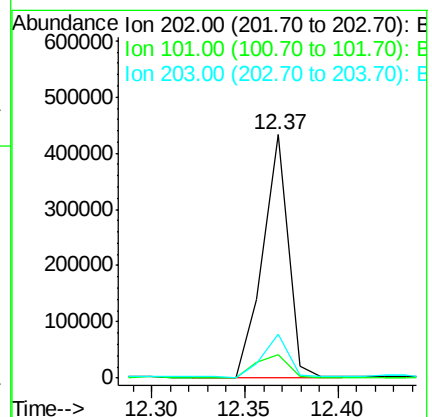
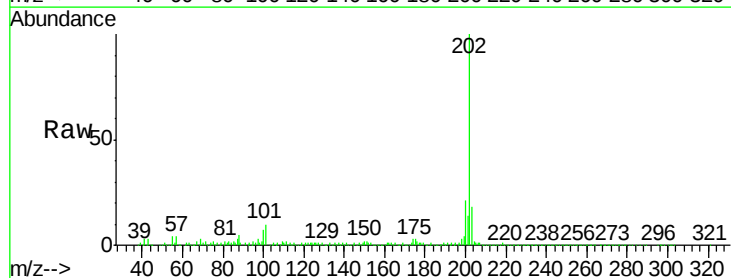
Manual Integrations
 APPROVED

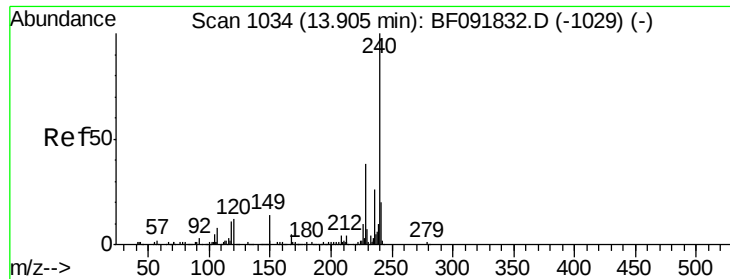
Sohil
 1/10/2017 10:01:37 AM



#74
 Fluoranthene
 Concen: 17.59 ng
 RT: 12.37 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.6
203	18.1	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Instrument :

BNA_F

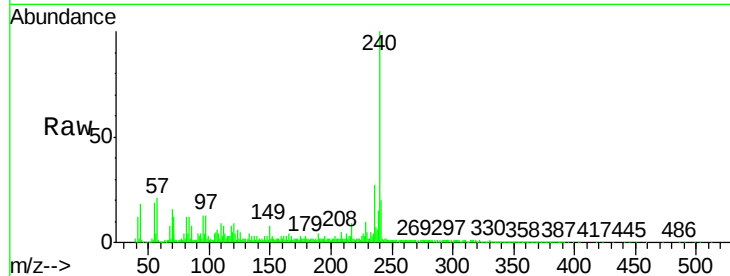
ClientSampleId :

P3-SP9

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	277922		
120	9.3	12.9	19.3#	
236	26.6	20.9	31.3	

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



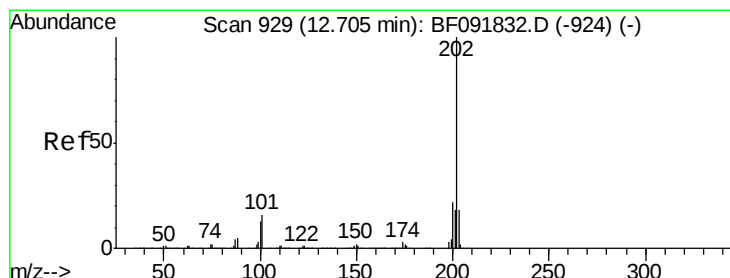
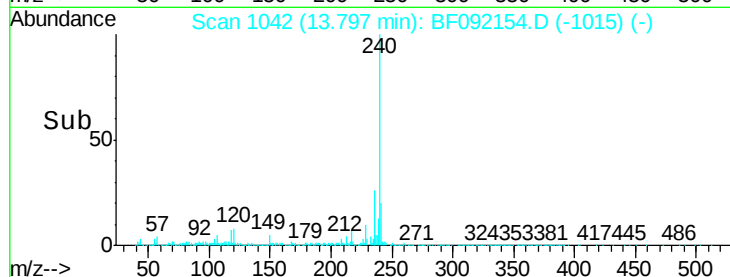
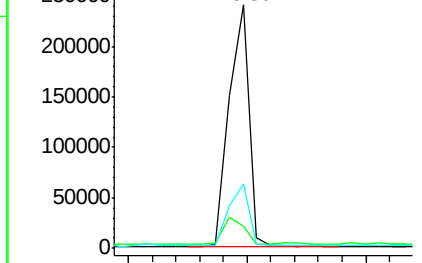
Abundance

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

13.80



#77

Pyrene

Concen: 16.81 ng

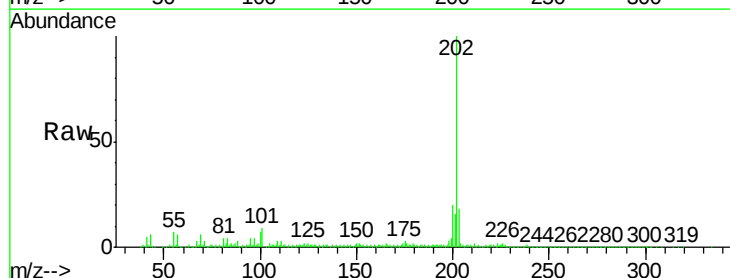
RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	342711		
200	20.4	17.7	26.5	
203	17.6	14.7	22.1	



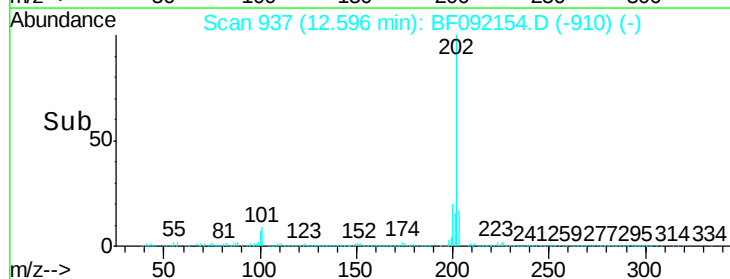
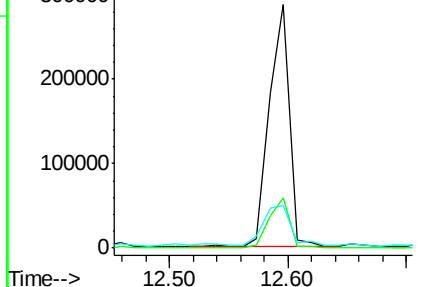
Abundance

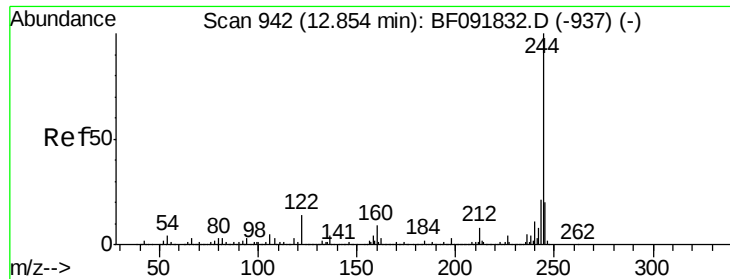
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.60





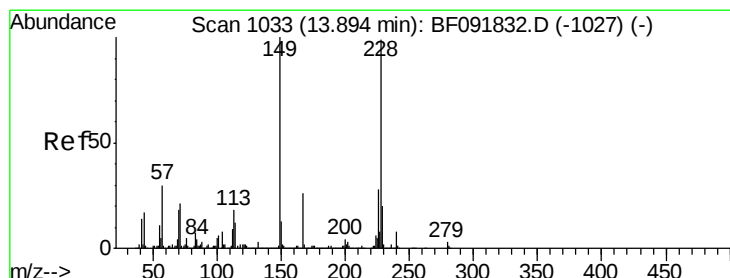
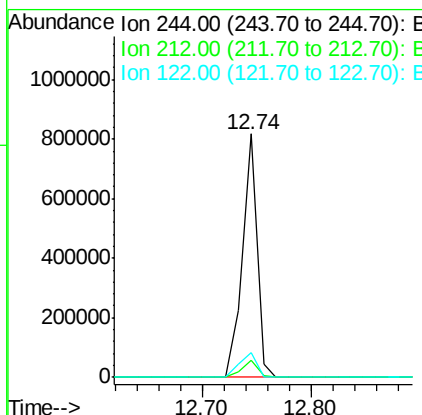
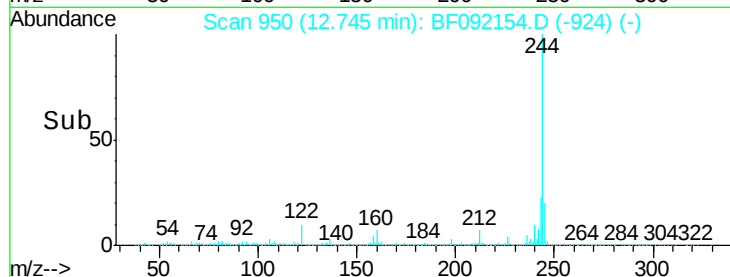
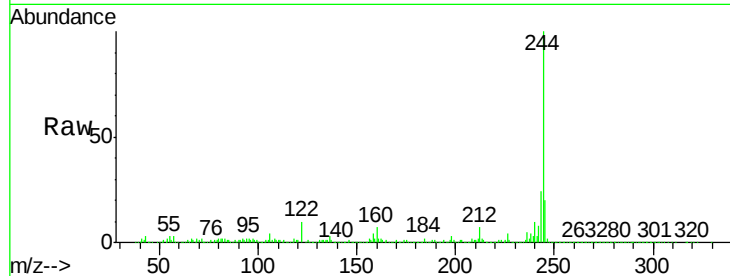
#78
 Terphenyl-d14
 Concen: 65.29 ng
 RT: 12.74 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Instrument :
 BNA_F
 ClientSampled :
 P3-SP9

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.2	9.2
122	10.3	11.4	17.2#

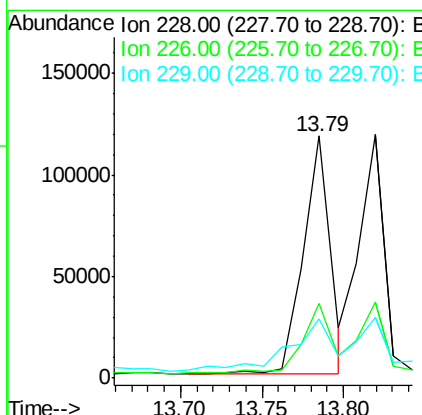
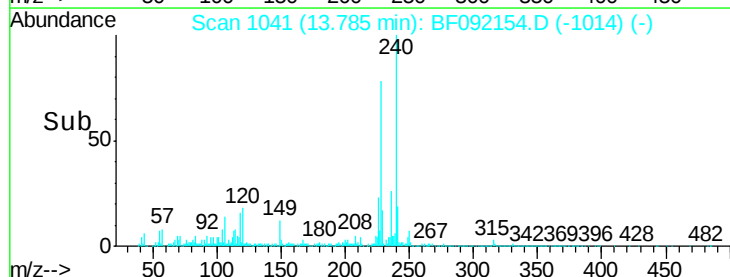
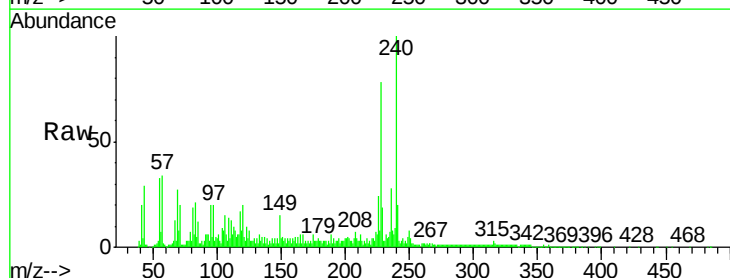
Manual Integrations
 APPROVED

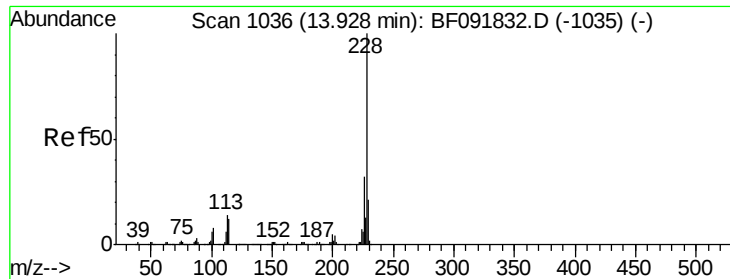
Sohil
 1/10/2017 10:01:37 AM



#80
 Benzo(a)anthracene
 Concen: 8.59 ng
 RT: 13.79 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	22.4	33.6
229	24.4	16.2	24.4#





#82

Chrysene

Concen: 8.16 ng m

RT: 13.82 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Instrument :

BNA_F

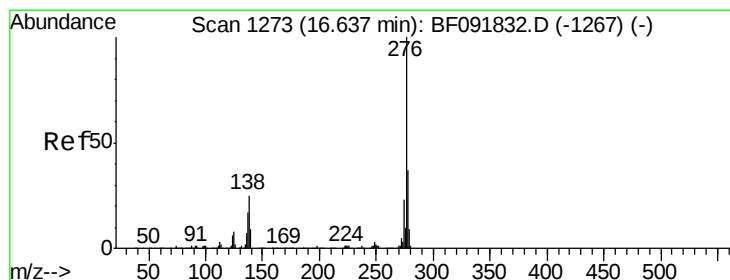
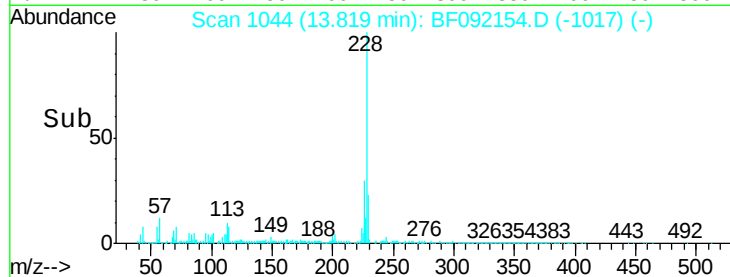
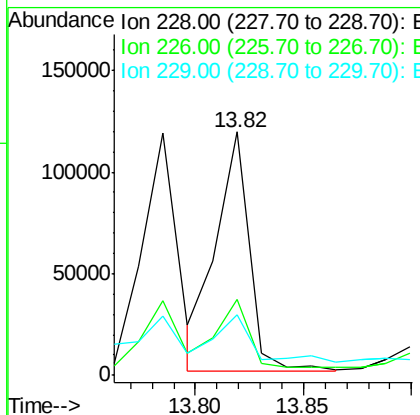
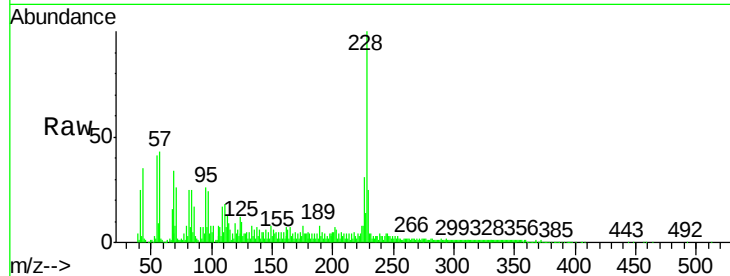
ClientSampleId :

P3-SP9

Tgt Ion:	228	Resp:	128372
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.4	38.0
229	25.1	16.2	24.2

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:37 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.32 ng

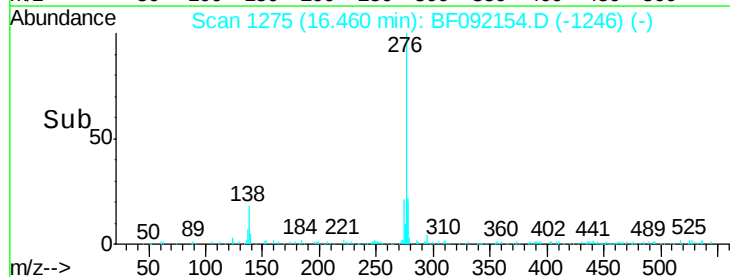
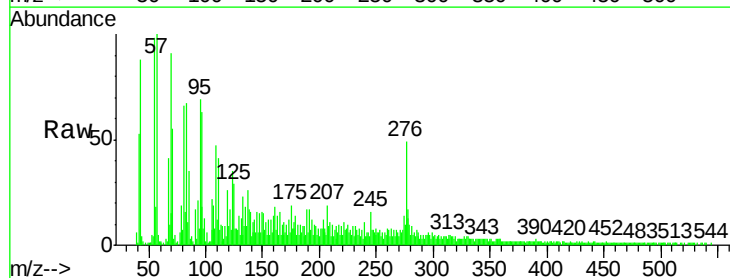
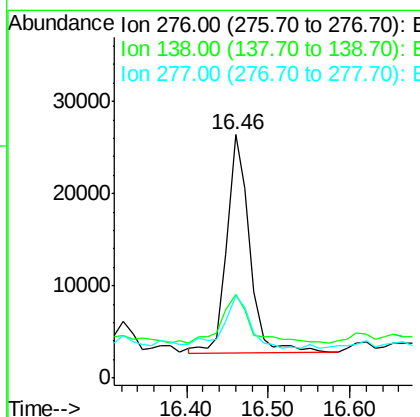
RT: 16.46 min Scan# 1275

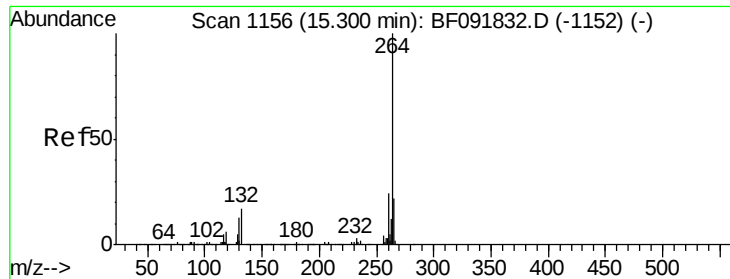
Delta R.T. 0.03 min

Lab File: BF092154.D

Acq: 9 Jan 2017 22:50

Tgt Ion:	276	Resp:	45302
Ion Ratio	Lower	Upper	
276	100		
138	29.1	21.8	32.6
277	28.7	20.2	30.4





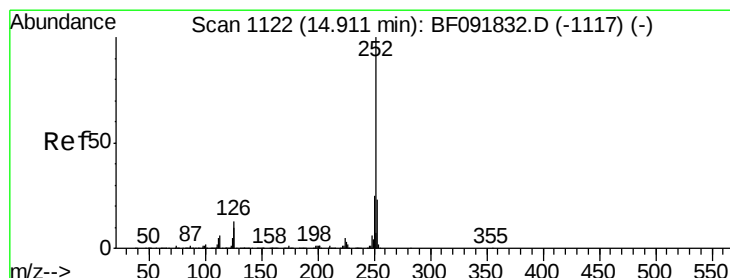
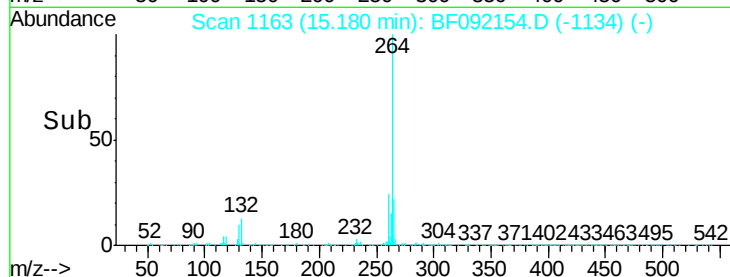
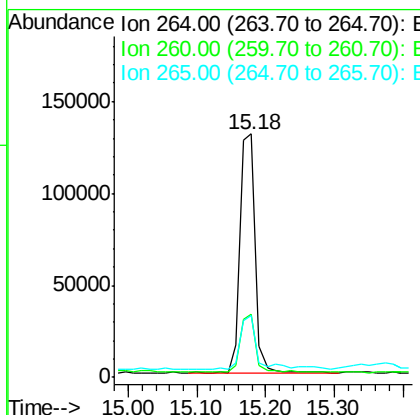
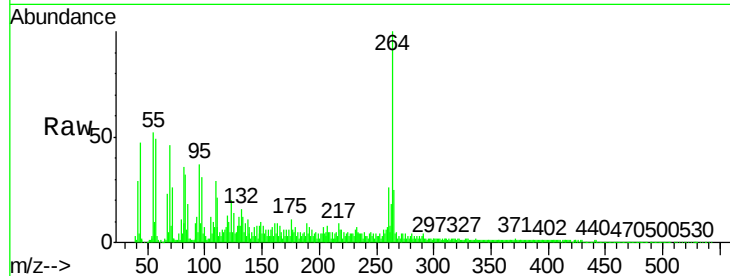
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Instrument :
BNA_F
ClientSampleId :
P3-SP9

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	25.3	17.4	26.0

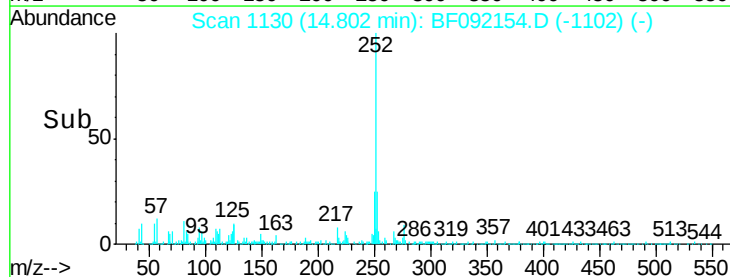
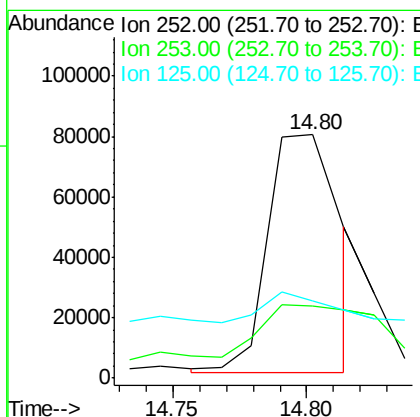
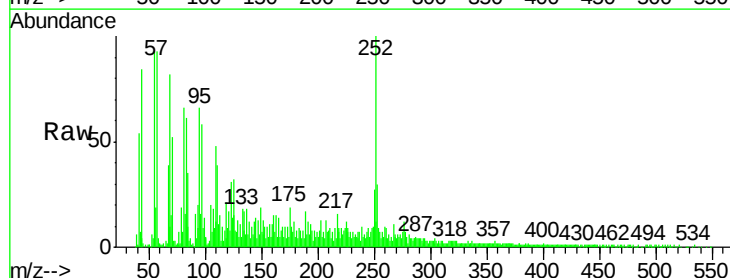
Manual Integrations
APPROVED

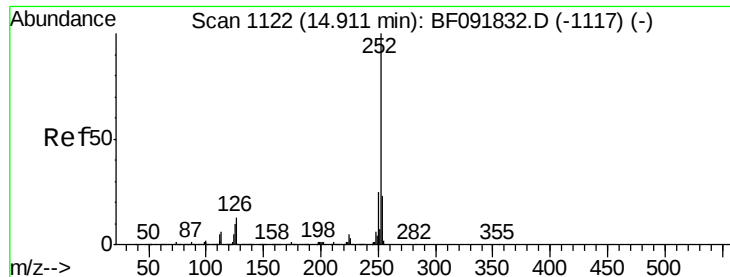
Sohil
1/10/2017 10:01:37 AM



#87
Benzo(b)fluoranthene
Concen: 11.56 ng m
RT: 14.80 min Scan# 1130
Delta R.T. 0.02 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.2	27.4#
125	31.6	9.8	14.6#





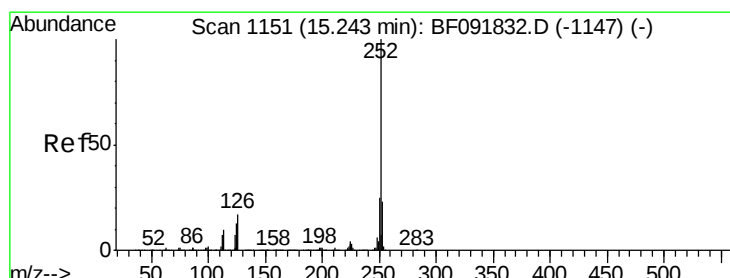
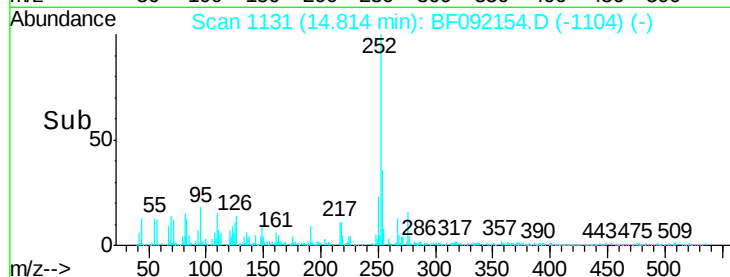
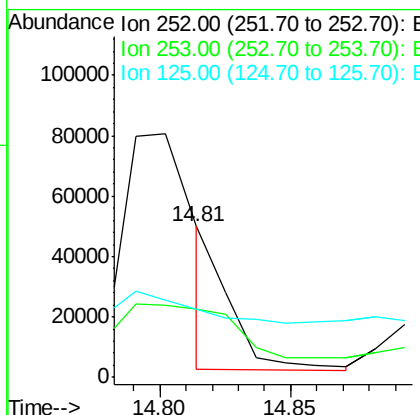
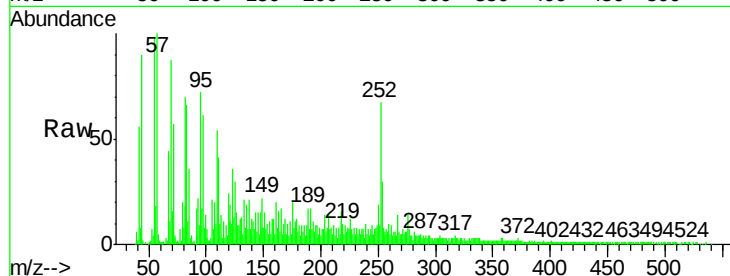
#88
Benzo(k)fluoranthene
Concen: 2.20 ng m
RT: 14.81 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Instrument :
BNA_F
ClientSampled :
P3-SP9

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.2	18.5	27.7#
125	44.8	8.9	13.3#

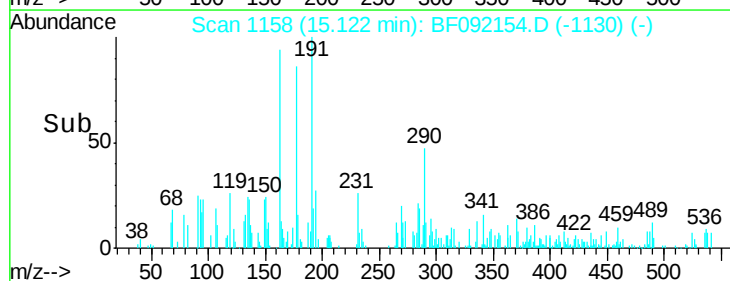
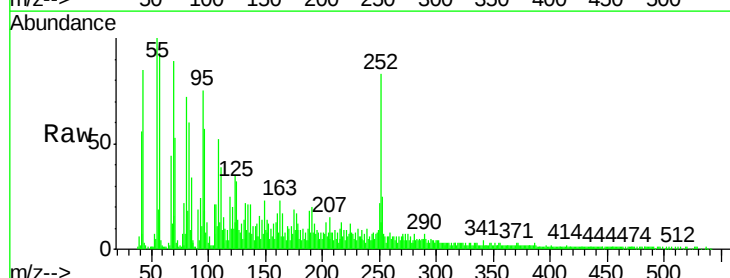
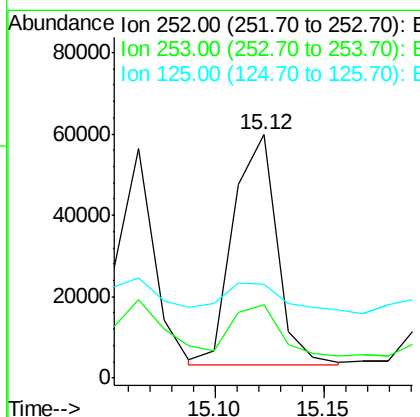
Manual Integrations
APPROVED

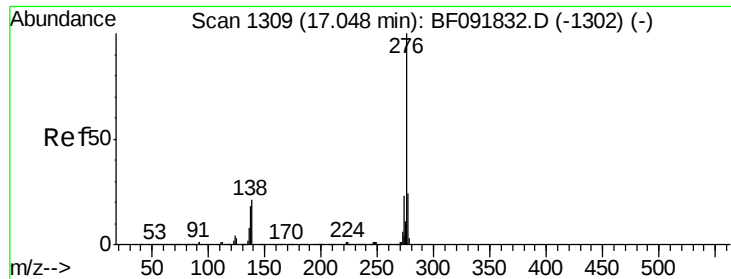
Sohil
1/10/2017 10:01:37 AM



#89
Benzo(a)pyrene
Concen: 6.94 ng
RT: 15.12 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF092154.D
Acq: 9 Jan 2017 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	18.2	27.2#
125	38.7	10.0	15.0#





#91
 Benzo(g,h,i)perylene
 Concen: 4.93 ng
 RT: 16.85 min Scan# 1309
 Delta R.T. 0.05 min
 Lab File: BF092154.D
 Acq: 9 Jan 2017 22:50

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP9

Tgt Ion	Ratio	Lower	Upper
276	100		
277	35.5	19.2	28.8#
138	31.6	16.0	24.0#

Manual Integrations
 APPROVED

Sohil
 1/10/2017 10:01:37 AM

