

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
 Data File : BF082390.D
 Acq On : 20 Oct 2015 8:51
 Operator : UM/IZ
 Sample : G4046-03DL 400X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:26:09 PM

Quant Time: Oct 20 13:19:30 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 01:46:21 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	82165	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	348539	20.00	ng	-0.03
38) Acenaphthene-d10	9.85	164	166465	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	291278	20.00	ng	-0.03
75) Chrysene-d12	14.02	240	217145	20.00	ng	0.01
86) Perylene-d12	15.54	264	211252	20.00	ng	0.10
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.18	172	2203	0.22	ng	-0.03
78) Terphenyl-d14	12.93	244	2138	0.26	ng	-0.03
Target Compounds						
31) Naphthalene	8.11	128	36304	2.40	ng	98
51) Acenaphthene	9.89	154	42342	4.53	ng	99
54) Dibenzofuran	10.06	168	27511	2.14	ng	95
57) Fluorene	10.40	166	41683	3.96	ng	99
70) Phenanthrene	11.36	178	345345	24.19	ng	99
71) Anthracene	11.42	178	99430	6.76	ng	98
72) Carbazole	11.58	167	61772	4.60	ng	98
74) Fluoranthene	12.56	202	381595	24.89	ng	96
77) Pyrene	12.79	202	299285	23.22	ng	98
80) Benzo(a)anthracene	14.01	228	147105	13.02	ng	97
82) Chrysene	14.05	228	119659	10.05	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	816723	97.34	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	56212m	5.94	ng	
87) Benzo(b)fluoranthene	15.13	252	158735m	12.35	ng	
88) Benzo(k)fluoranthene	15.16	252	58179m	5.39	ng	
89) Benzo(a)pyrene	15.49	252	107984	9.78	ng	98
91) Benzo(a,h,i)perylene	17.40	276	45813	5.21	ng	98

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

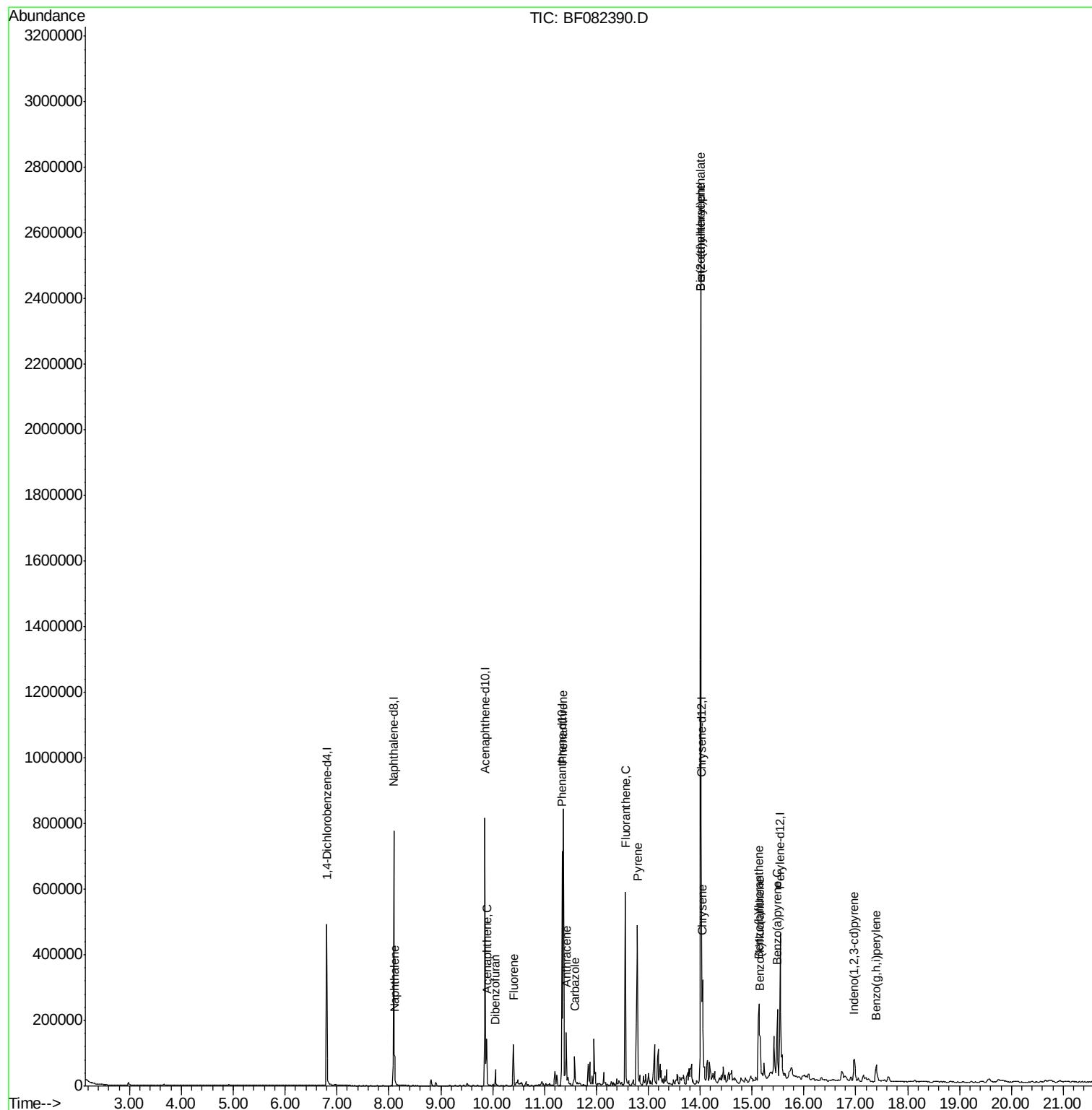
Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\
Data File : BF082390.D
Acq On : 20 Oct 2015 8:51
Operator : UM/IZ
Sample : G4046-03DL 400X
Misc :
ALS Vial : 37 Sample Multiplier: 1

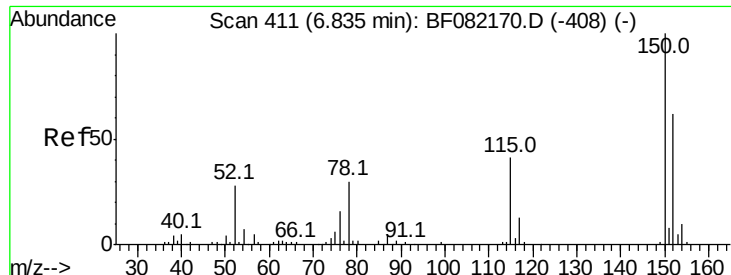
Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM

Quant Time: Oct 20 13:19:30 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration





#1

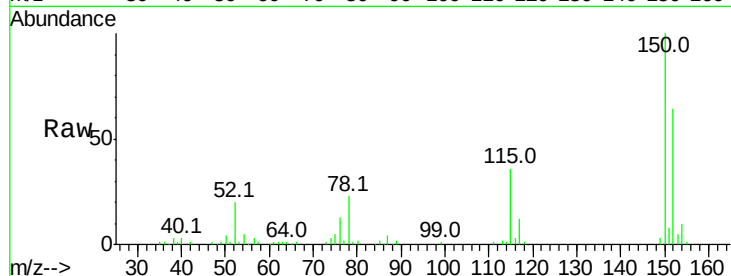
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 408
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

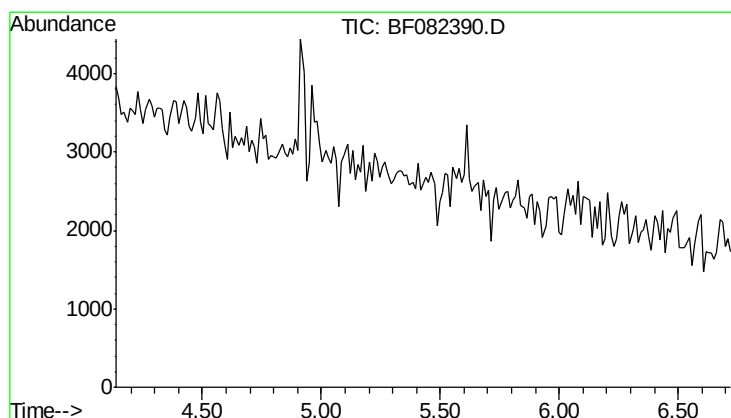
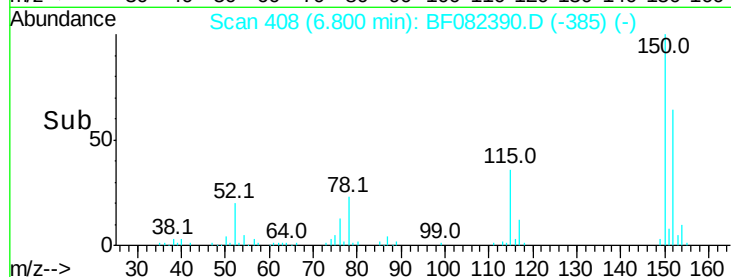
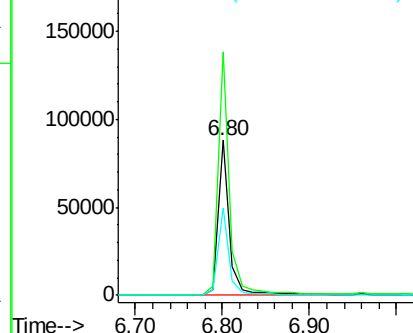
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	129.0	193.4
115	56.7	52.1	78.1

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:26:09 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

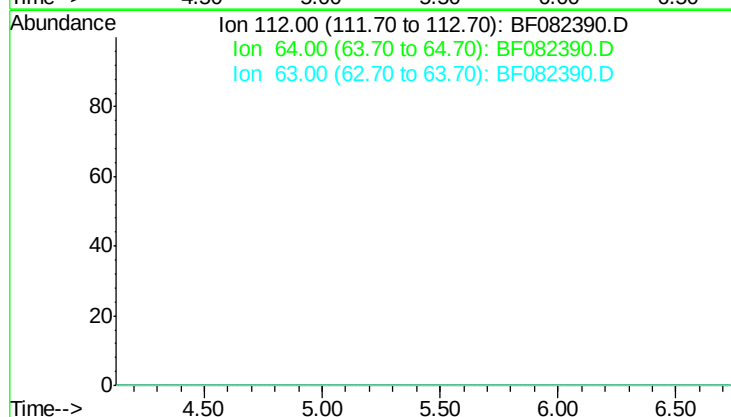


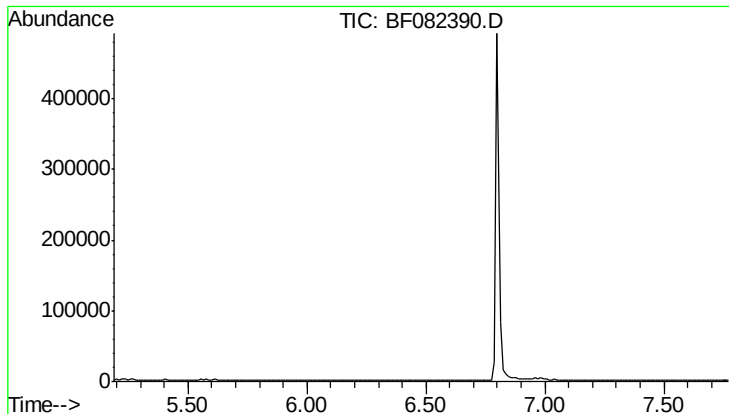
#5

2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.43 min

Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion	Sig	Exp Ratio
112	100	
64	60.8	
63	31.4	





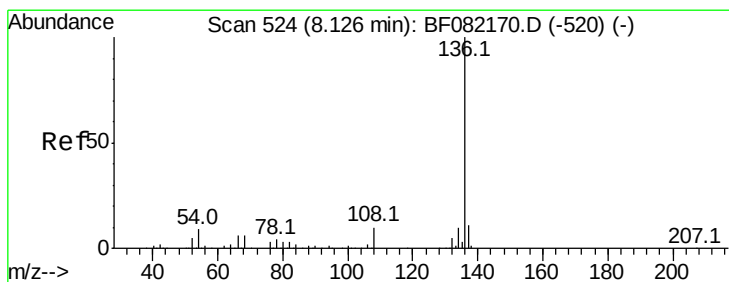
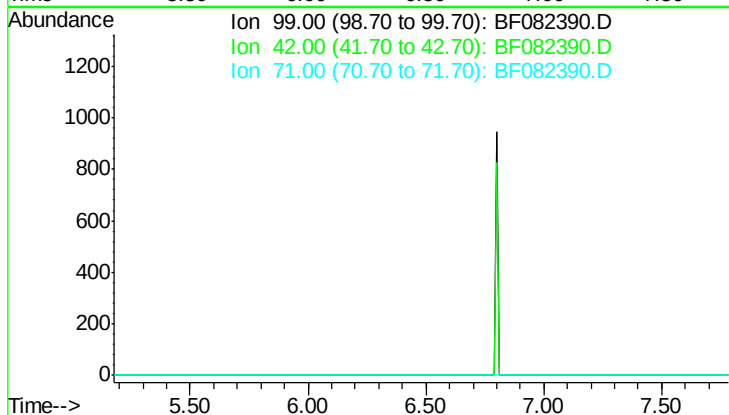
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 6.48 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Tot Ion	99
Sig	Exp Ratio
99	100
42	16.5
71	32.0

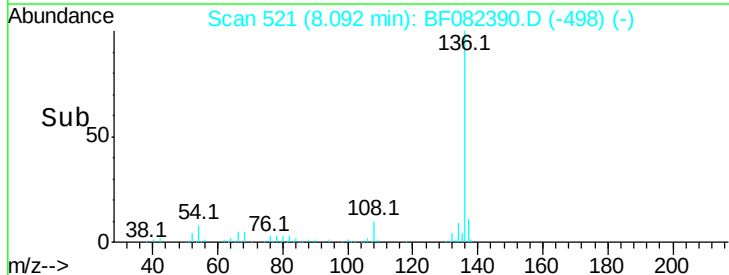
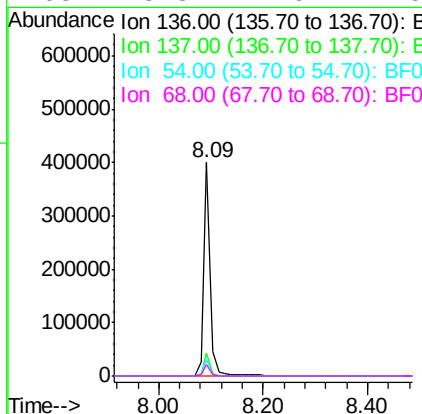
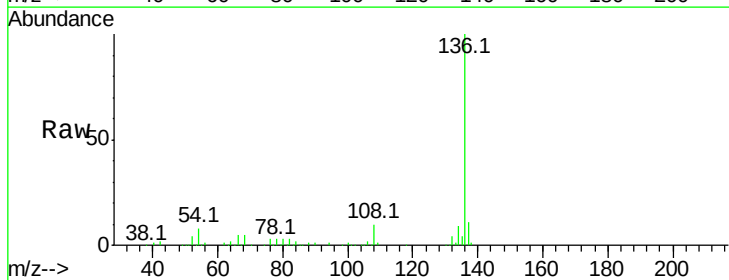
Manual Integrations
 APPROVED

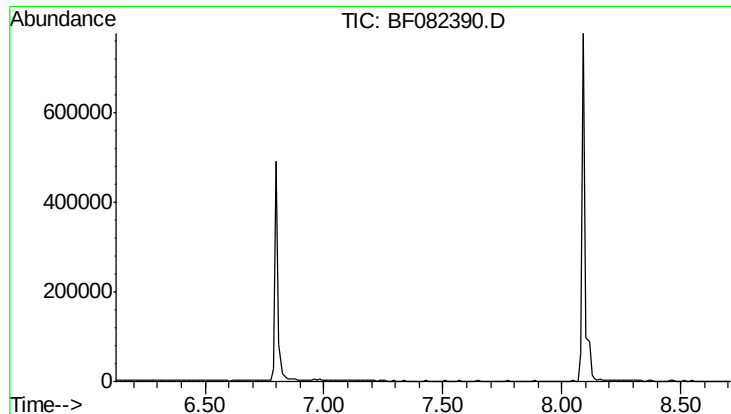
MMdadoda
 10/20/2015 6:26:09 PM



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.09 min Scan# 521
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion	136	Resp	348539
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	7.8	7.5	11.3
68	5.3	4.6	7.0





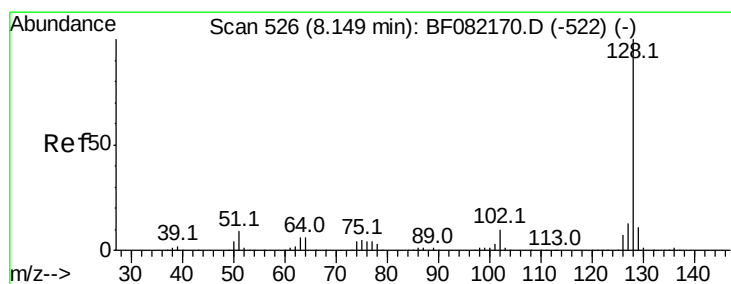
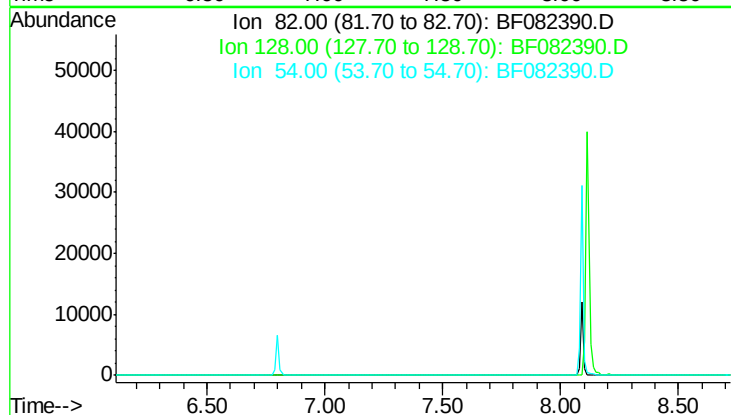
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 7.42 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Tot Ion	82
Sig	Exp Ratio
82	100
128	48.4
54	50.1

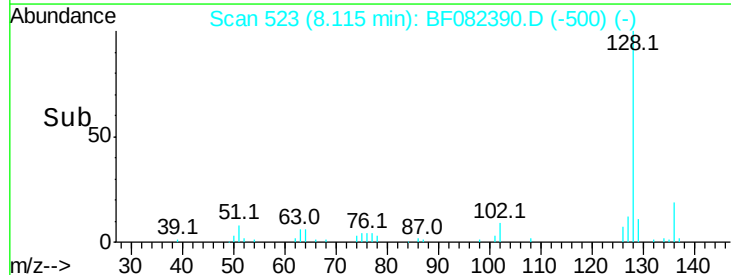
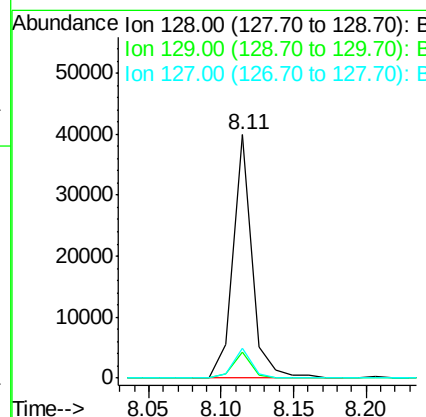
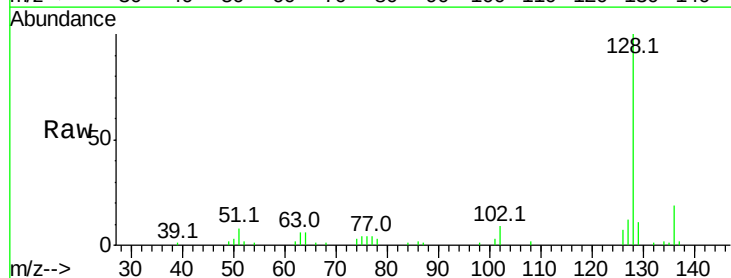
Manual Integrations
 APPROVED

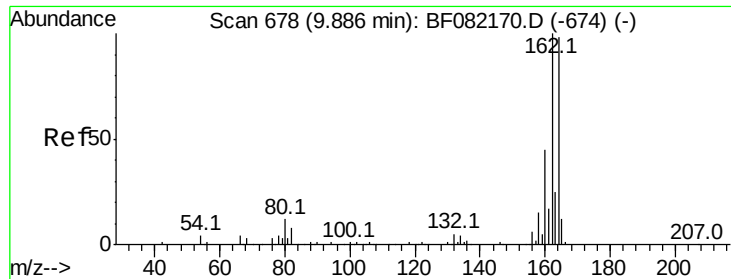
MMdadoda
 10/20/2015 6:26:09 PM



#31
 Naphthalene
 Concen: 2.40 ng
 RT: 8.11 min Scan# 523
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion	128	Resp	Lower	Upper
Ion Ratio	100			
128	10.8	9.1	13.7	
129	12.1	10.7	16.1	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

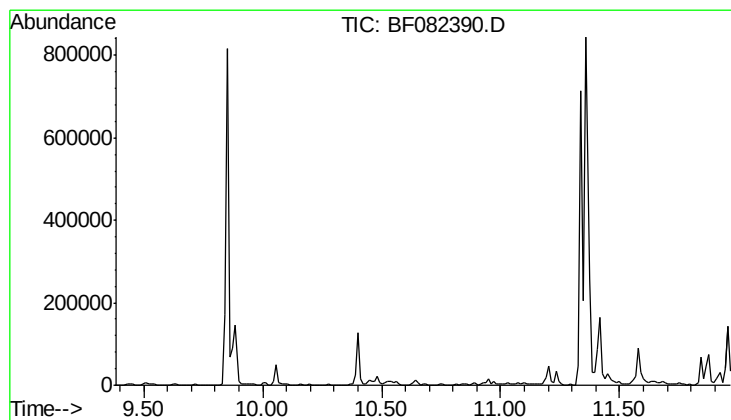
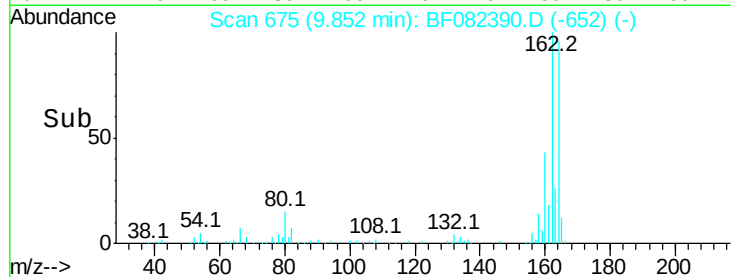
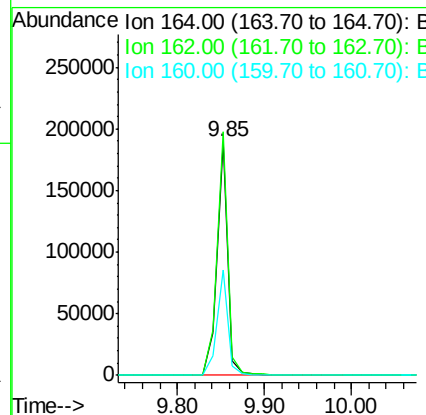
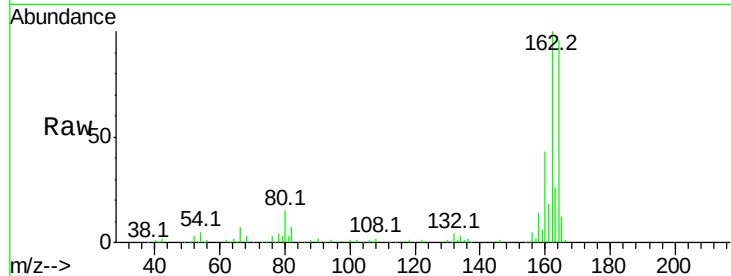
ClientSampleId :

GOODLUCKINSULATIONDL

Tot Ion:	164	Resp:	166465
Ion Ratio	Lower	Upper	
164	100		
162	104.0	81.6	122.4
160	45.1	36.4	54.6

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM



#41

2,4,6-Tribromophenol

Concen: 0.00 ng

Expected RT: 10.67 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

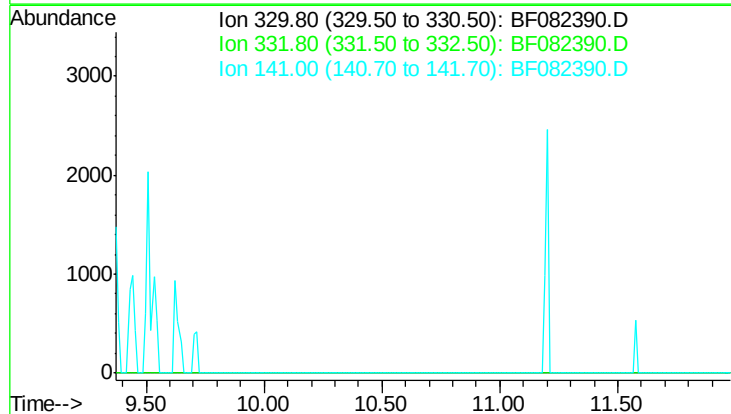
Tgt Ion: 330

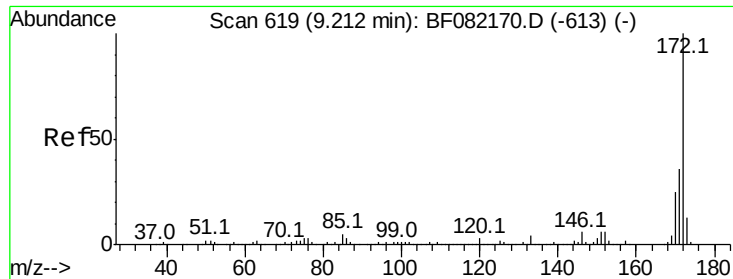
Sig Exp Ratio

330 100

332 96.4

141 37.3





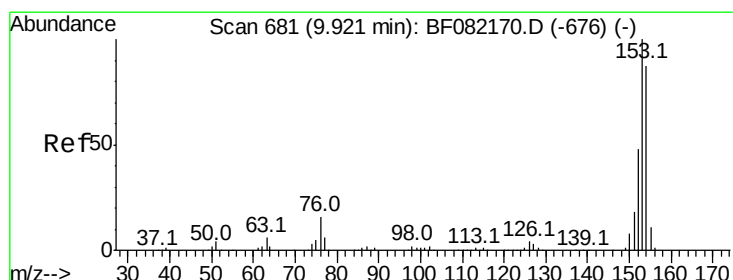
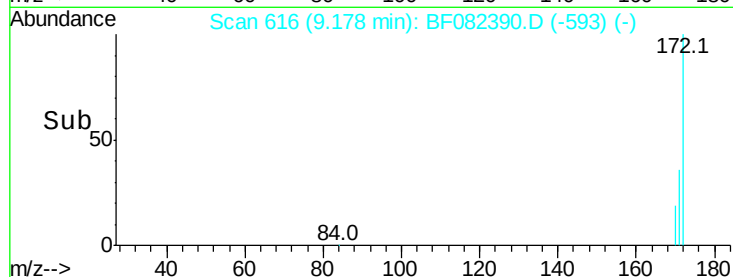
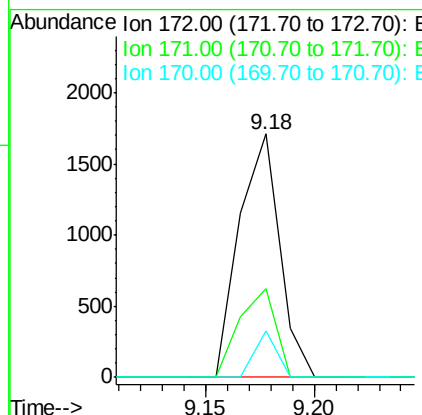
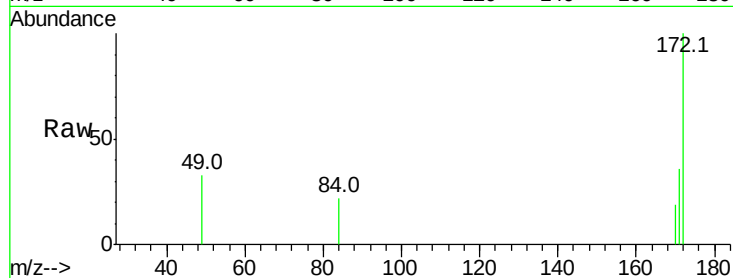
#44
2-Fluorobiphenyl
Concen: 0.22 ng
RT: 9.18 min Scan# 616
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	2203		
171	36.5		28.6	42.8
170	19.0		19.7	29.5

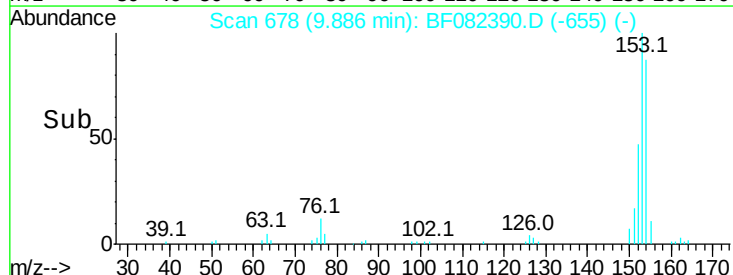
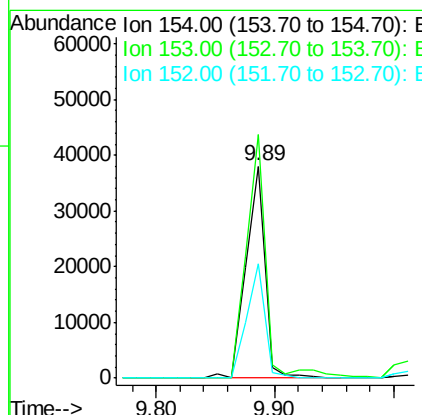
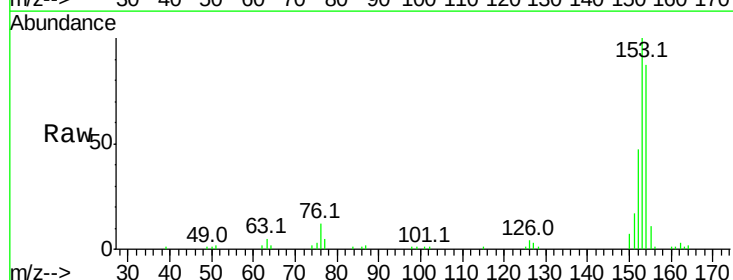
Manual Integrations
APPROVED

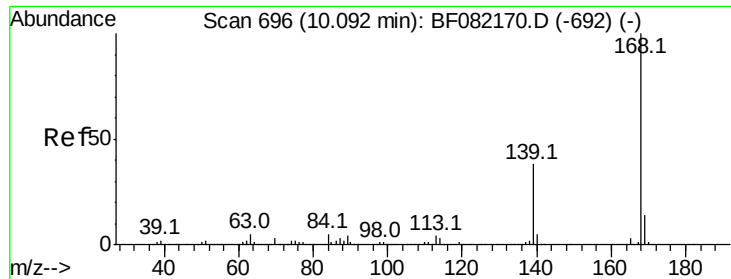
MMdadoda
10/20/2015 6:26:09 PM



#51
Acenaphthene
Concen: 4.53 ng
RT: 9.89 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42342		
153	114.9		91.4	137.2
152	54.1		44.3	66.5





#54

Dibenzenofuran

Concen: 2.14 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

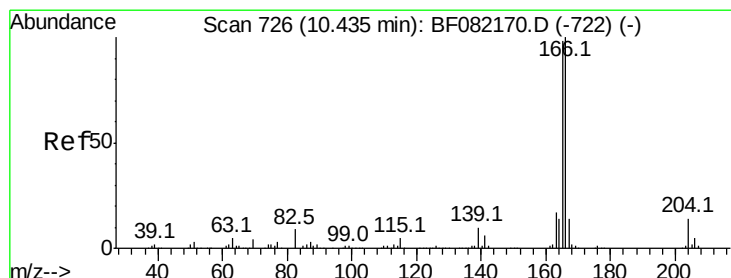
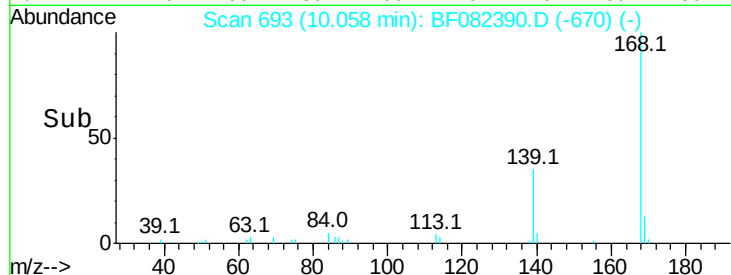
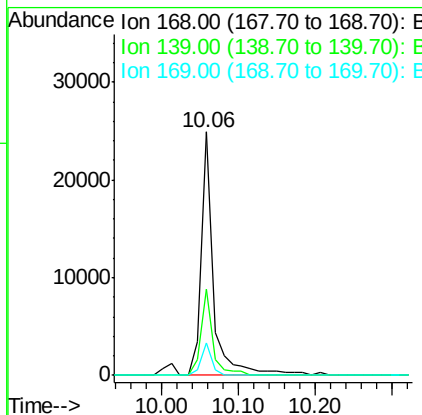
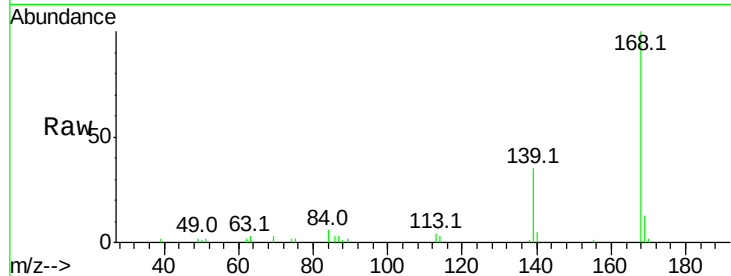
ClientSampleId :

GOODLUCKINSULATIONDL

Tot Ion:	168	Resp:	27511
Ion Ratio	Lower	Upper	
168	100		
139	35.3	31.0	46.6
169	13.2	10.9	16.3

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM



#57

Fluorene

Concen: 3.96 ng

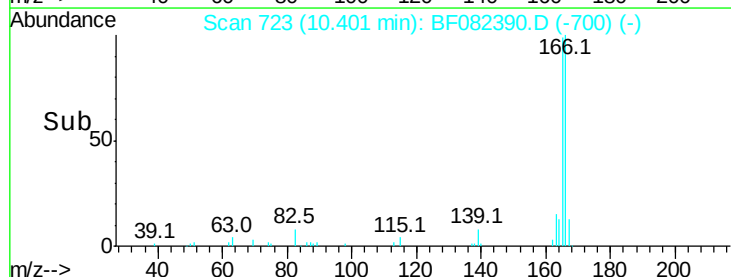
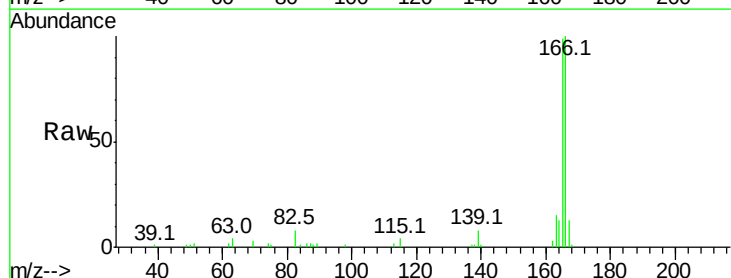
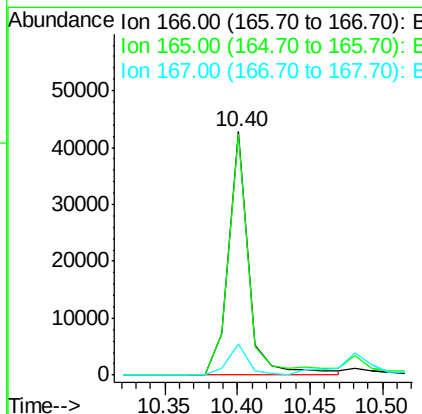
RT: 10.40 min Scan# 723

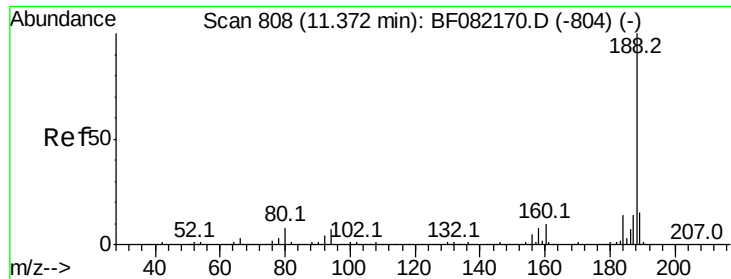
Delta R.T. -0.03 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Tgt Ion:	166	Resp:	41683
Ion Ratio	Lower	Upper	
166	100		
165	98.9	78.3	117.5
167	12.8	10.8	16.2





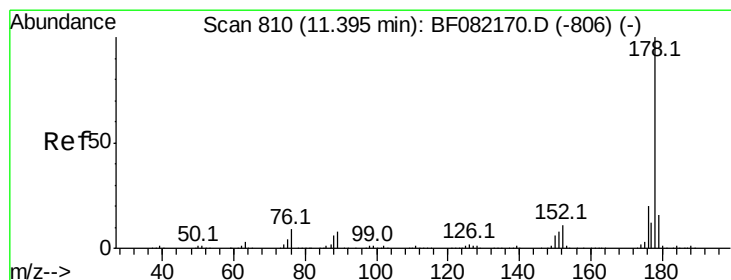
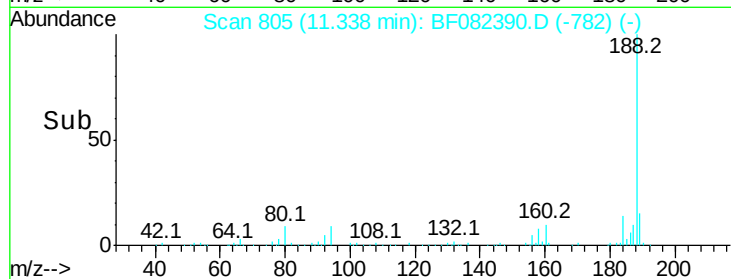
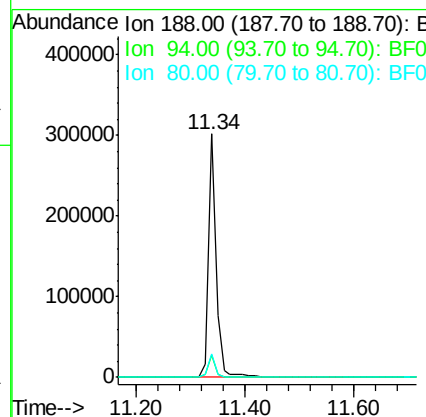
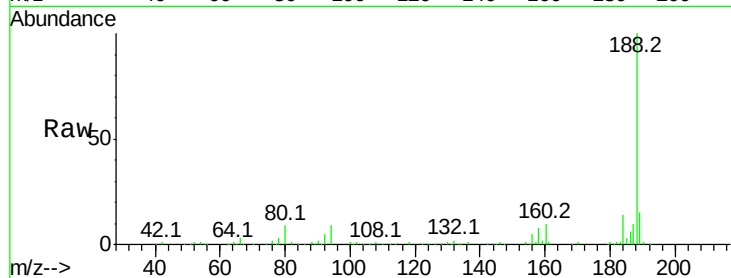
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 805
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	5.8	8.6#
80	9.5	6.4	9.6

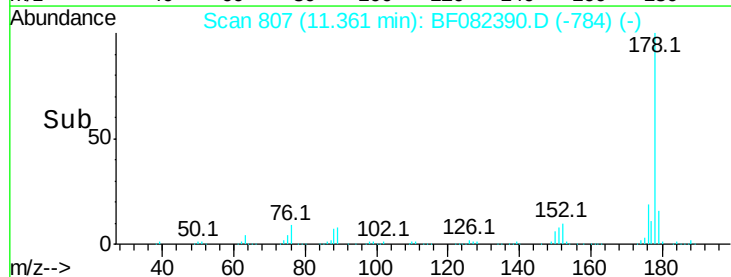
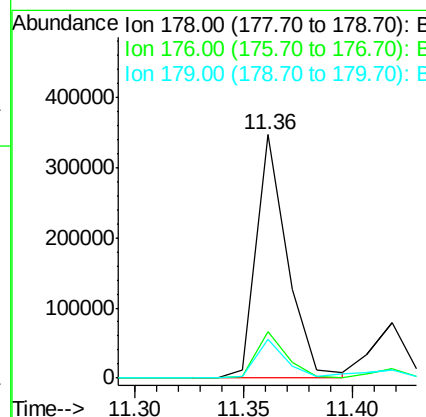
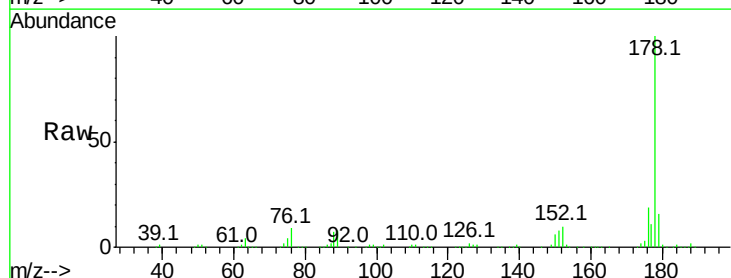
Manual Integrations
APPROVED

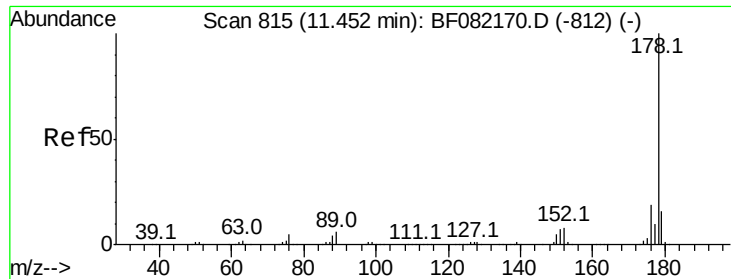
MMdadoda
10/20/2015 6:26:09 PM



#70
Phenanthrene
Concen: 24.19 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.03 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.7	12.6	19.0





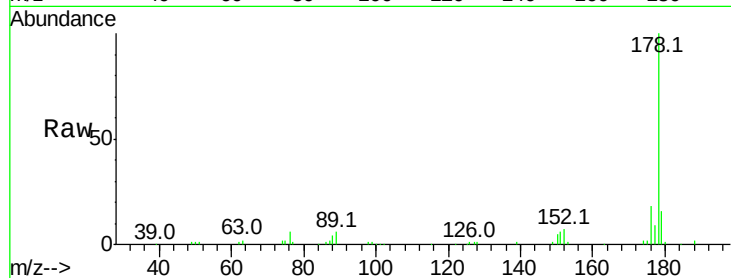
#71
 Anthracene
 Concen: 6.76 ng
 RT: 11.42 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

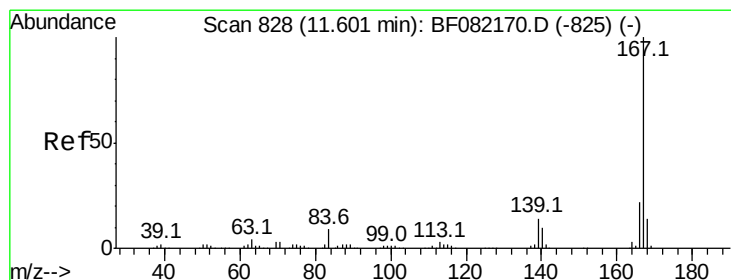
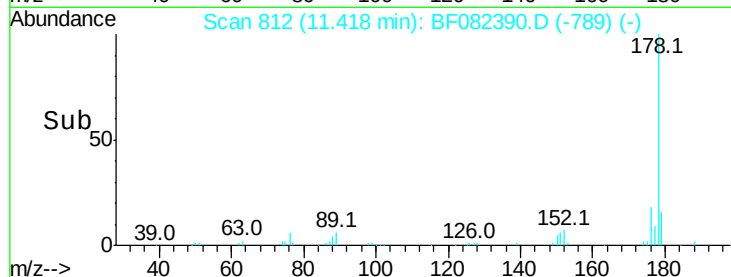
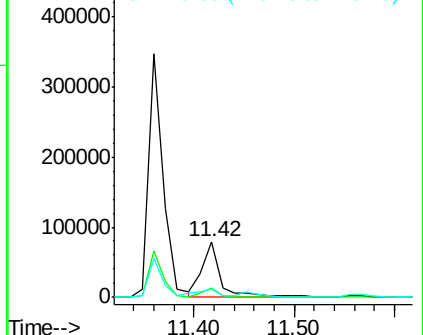
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.0
179	15.6	12.5	18.7

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:26:09 PM

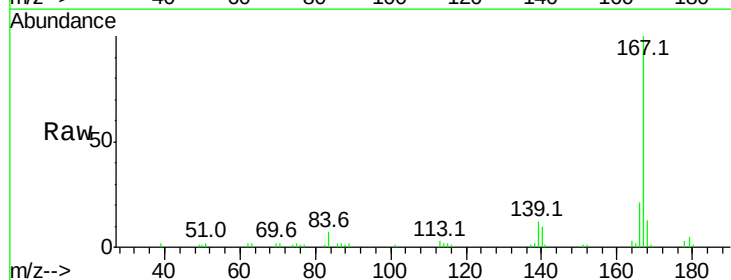


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

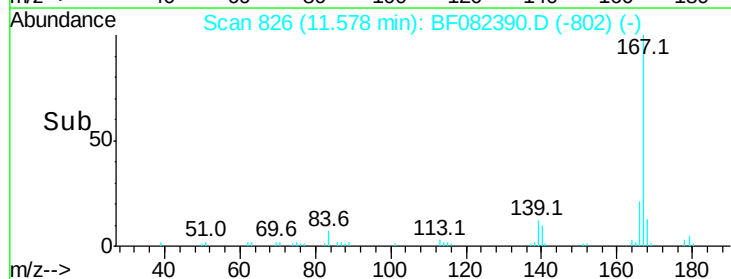
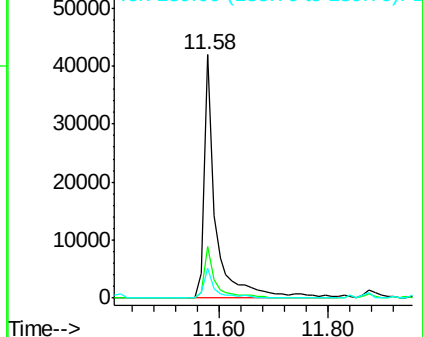


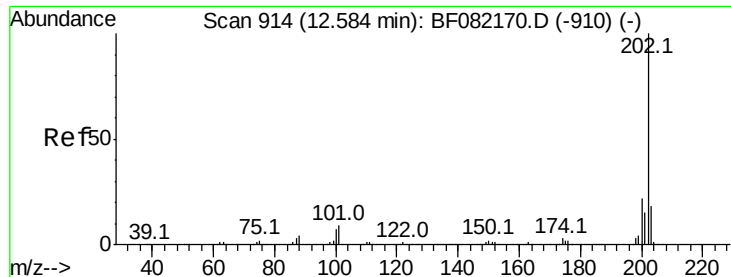
#72
 Carbazole
 Concen: 4.60 ng
 RT: 11.58 min Scan# 826
 Delta R.T. -0.02 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	12.0	11.2	16.8



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.89 ng

RT: 12.56 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

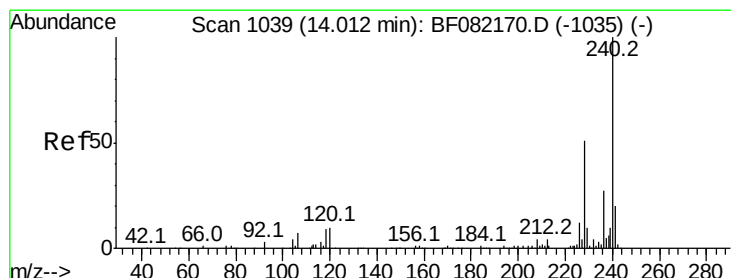
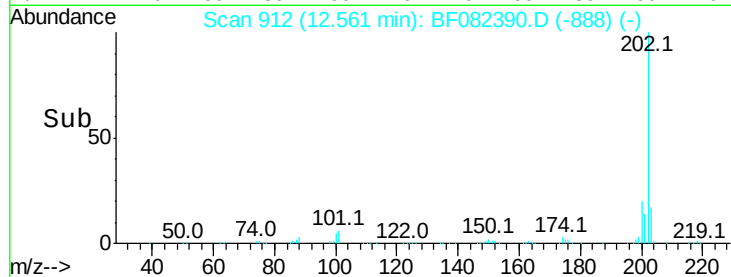
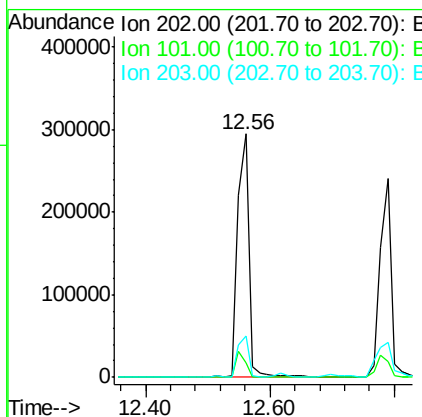
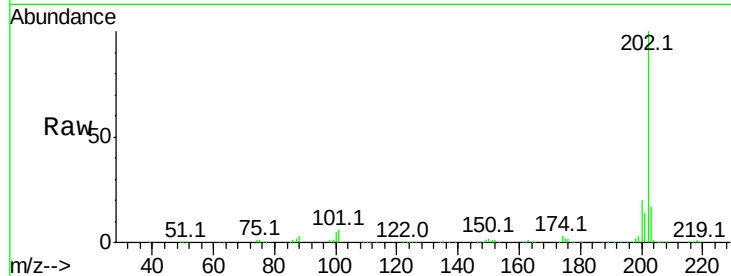
ClientSampleId :

GOODLUCKINSULATIONDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		381595		
101	6.1	0.0	29.3		
203	17.1	0.0	37.8		

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM



#75

Chrysene-d12

Concen: 20.00 ng

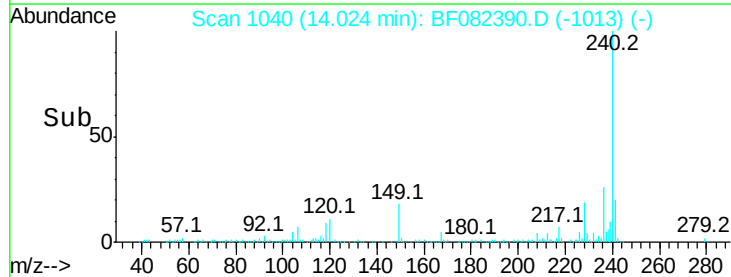
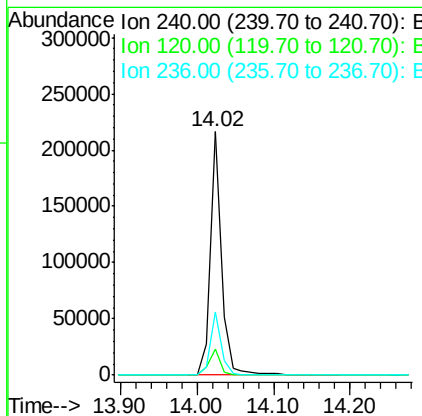
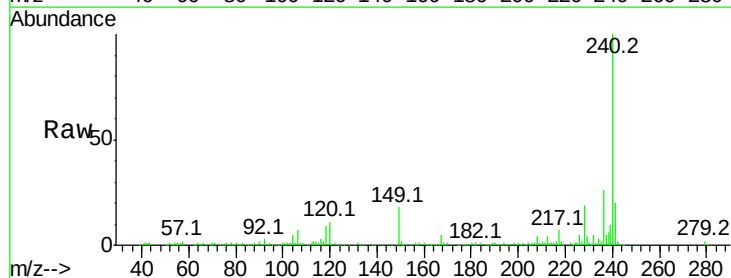
RT: 14.02 min Scan# 1040

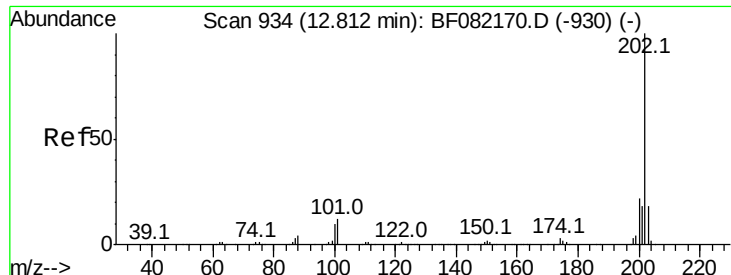
Delta R.T. 0.01 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		217145		
120	10.8	8.1	12.1		
236	25.8	21.3	31.9		





#77

Pvrene

Concen: 23.22 ng

RT: 12.79 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

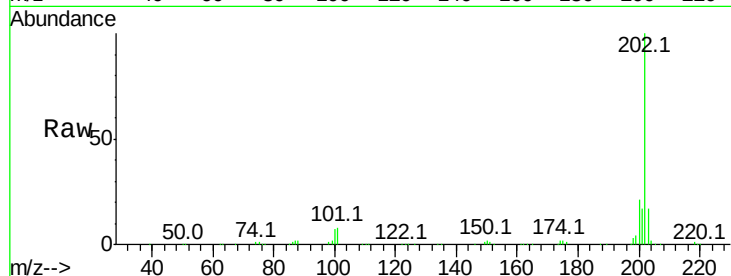
ClientSampleId :

GOODLUCKINSULATIONDL

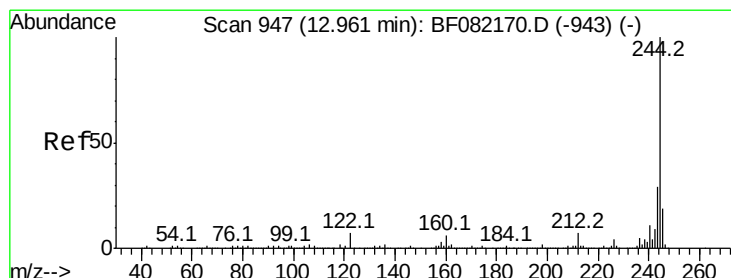
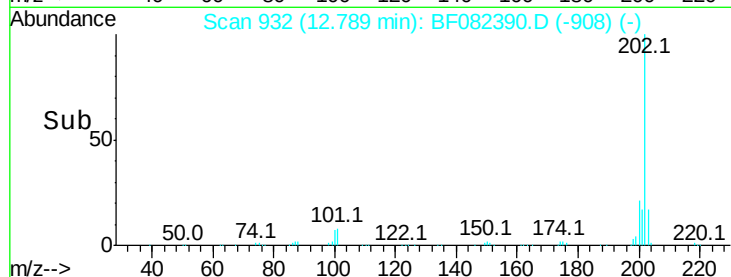
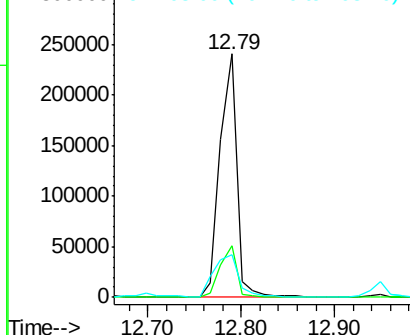
Tot Ion:	202	Resp:	299285
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.9	26.9
203	17.4	14.5	21.7

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM



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: 0.26 ng

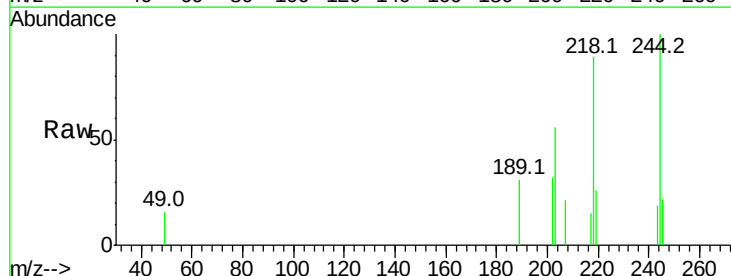
RT: 12.93 min Scan# 944

Delta R.T. -0.03 min

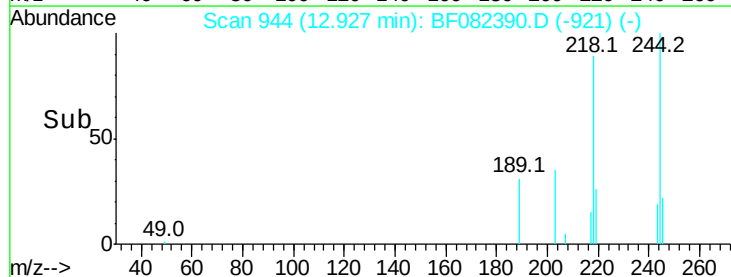
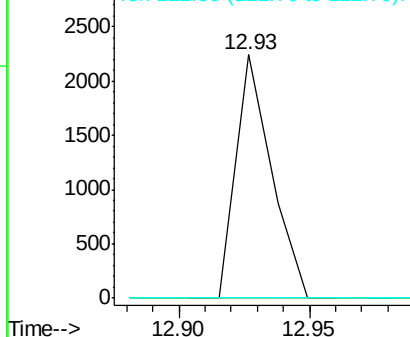
Lab File: BF082390.D

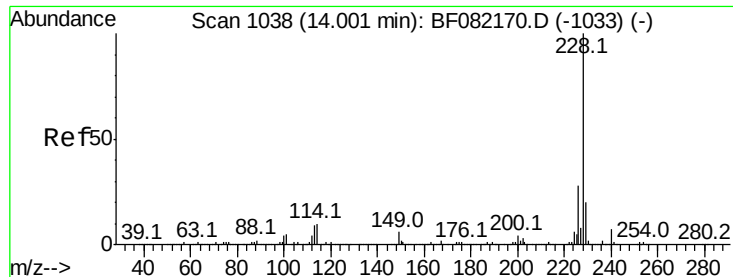
Acq: 20 Oct 2015 8:51

Tgt Ion:	244	Resp:	2138
Ion Ratio	Lower	Upper	
244	100		
212	0.0	5.8	8.6#
122	0.0	5.9	8.9#



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





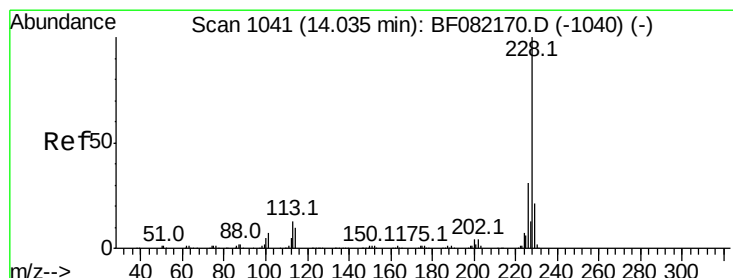
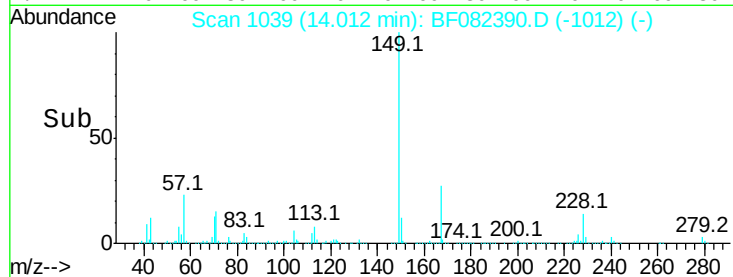
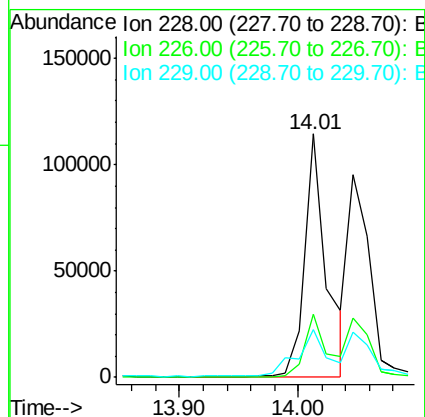
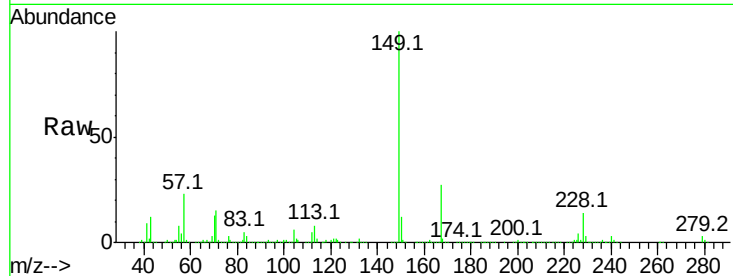
#80
Benzo(a)anthracene
Concen: 13.02 ng
RT: 14.01 min Scan# 1039
Delta R.T. 0.01 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.3	33.5
229	19.7	16.2	24.2

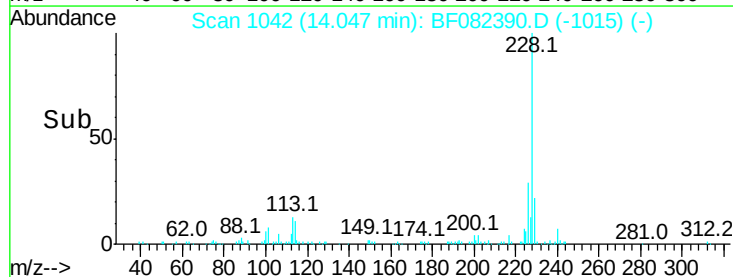
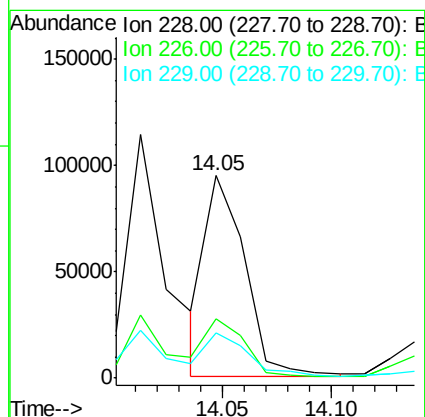
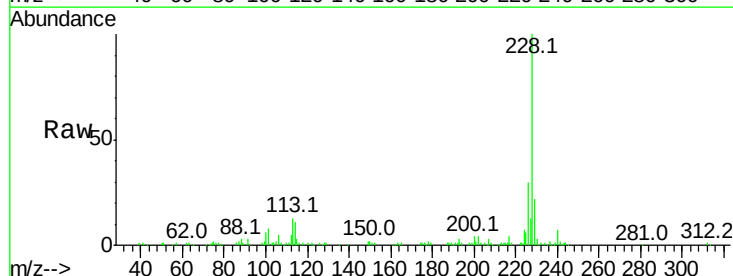
Manual Integrations
APPROVED

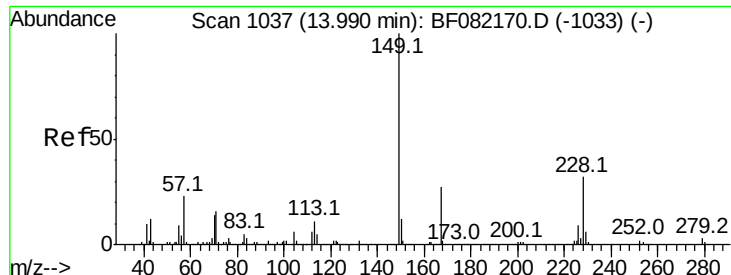
MMdadoda
10/20/2015 6:26:09 PM



#82
Chrysene
Concen: 10.05 ng
RT: 14.05 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.4	36.6
229	22.3	16.3	24.5





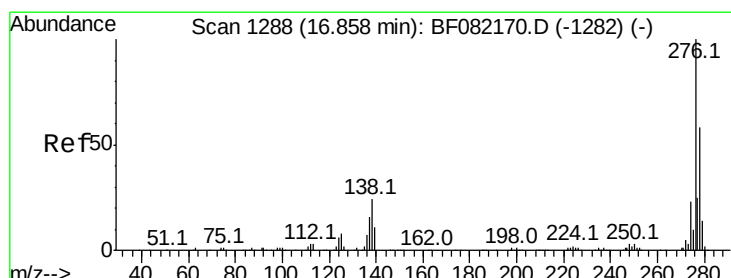
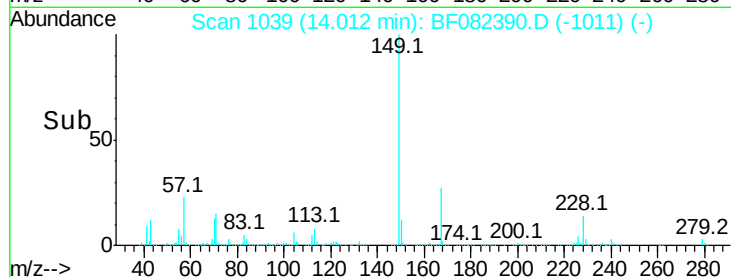
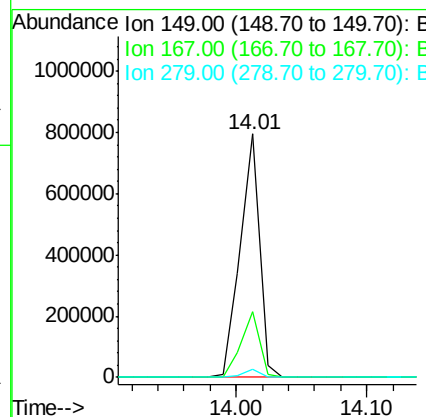
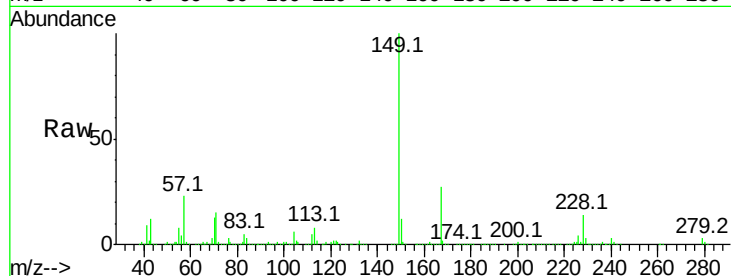
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 97.34 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. 0.02 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	3.3	2.6	4.0

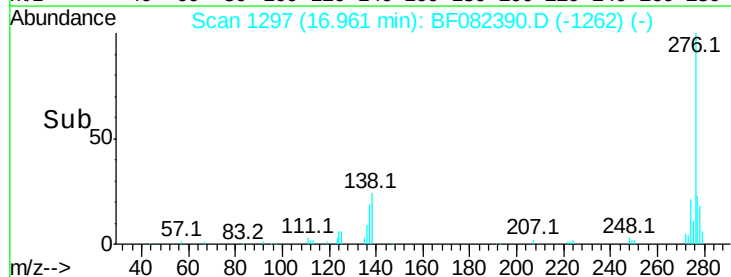
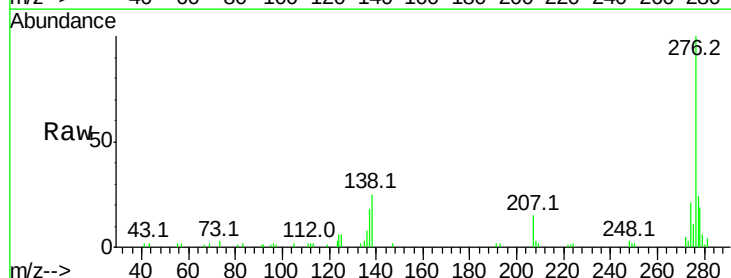
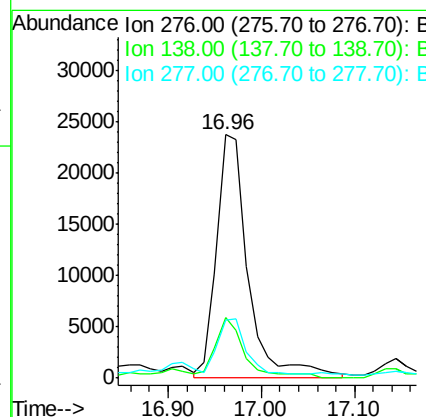
Manual Integrations
 APPROVED

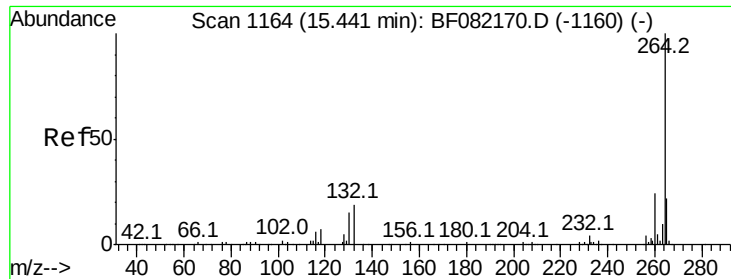
MMdadoda
 10/20/2015 6:26:09 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.94 ng m
 RT: 16.96 min Scan# 1297
 Delta R.T. 0.10 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.9	19.7	29.5#
277	5.8	20.1	30.1#





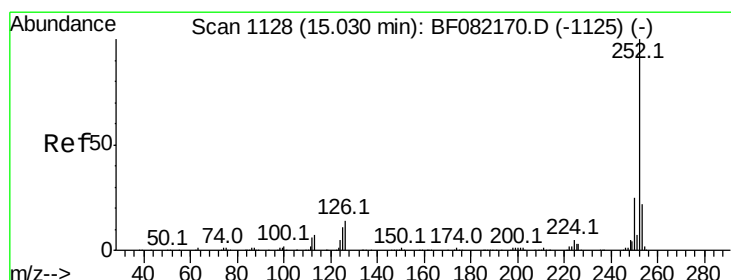
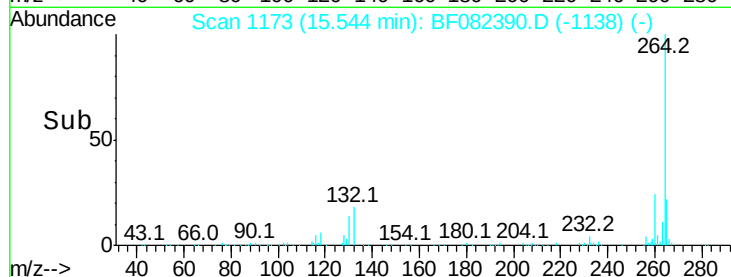
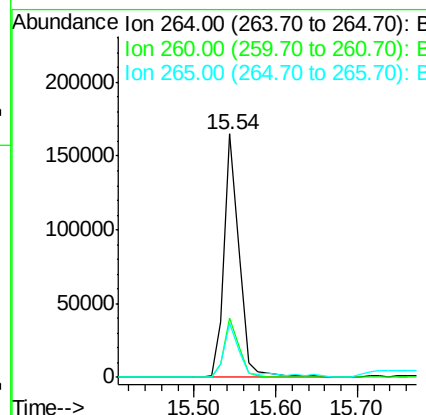
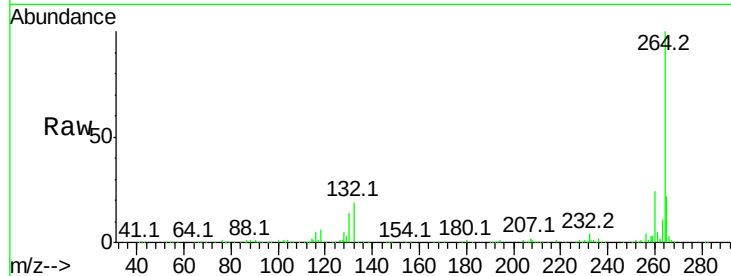
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1173
Delta R.T. 0.10 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Instrument :
BNA_F
ClientSampleId :
GOODLUCKINSULATIONDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	22.0	17.3	25.9

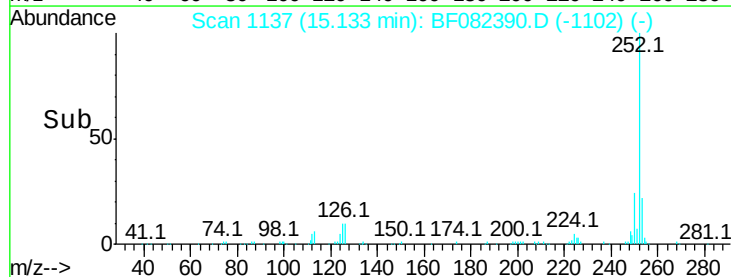
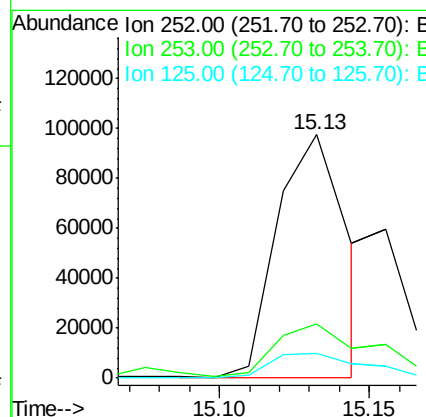
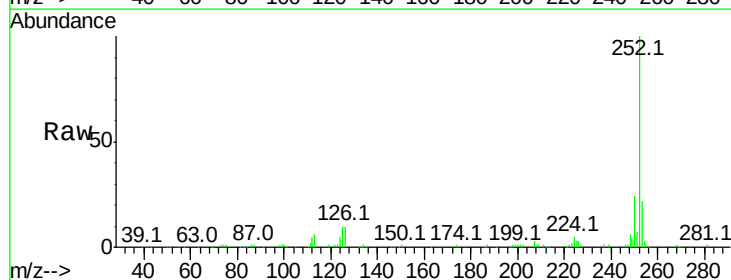
Manual Integrations
APPROVED

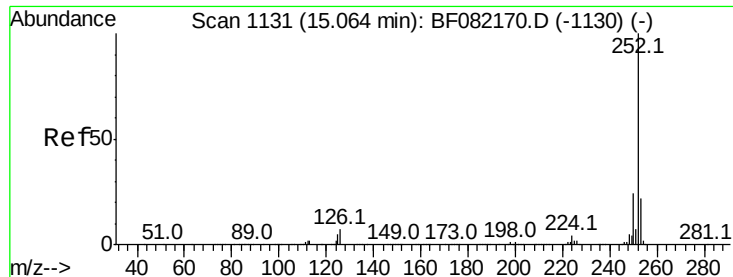
MMdadoda
10/20/2015 6:26:09 PM



#87
Benzo(b)fluoranthene
Concen: 12.35 ng m
RT: 15.13 min Scan# 1137
Delta R.T. 0.10 min
Lab File: BF082390.D
Acq: 20 Oct 2015 8:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	9.9	8.6	12.8





#88

Benzo(k)fluoranthene

Concen: 5.39 ng

RT: 15.16 min Scan# 1139

Delta R.T. 0.09 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Instrument :

BNA_F

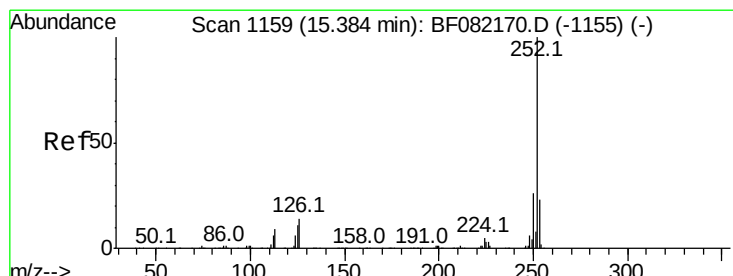
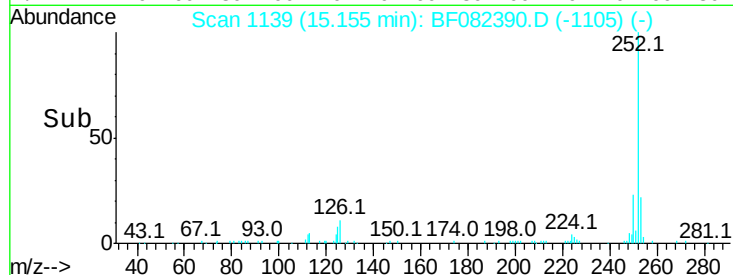
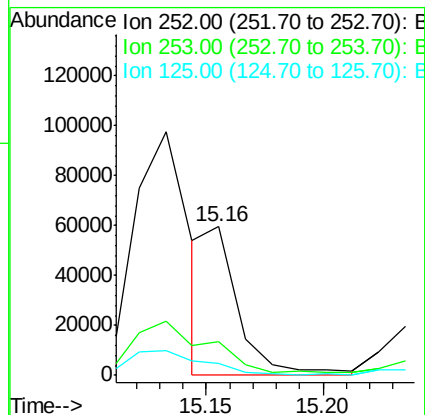
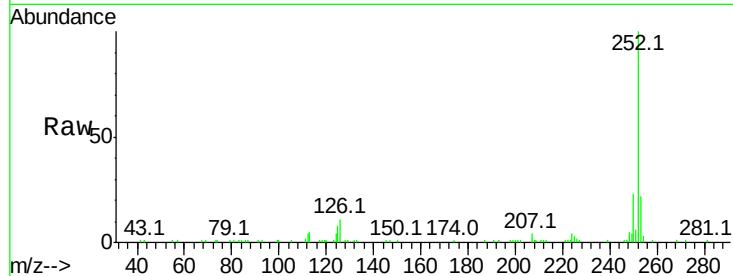
ClientSampleId :

GOODLUCKINSULATIONDL

Tot Ion:	252	Resp:	58179
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	8.4	6.7	10.1

Manual Integrations
APPROVED

MMdadoda
10/20/2015 6:26:09 PM



#89

Benzo(a)pyrene

Concen: 9.78 ng

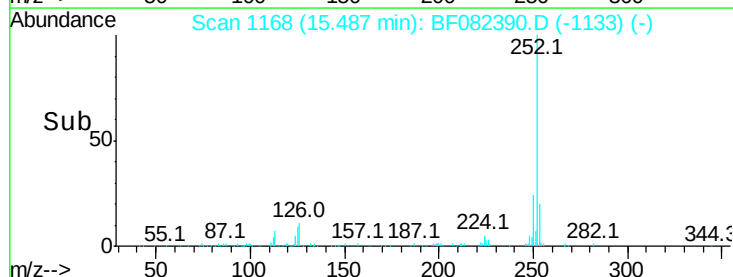
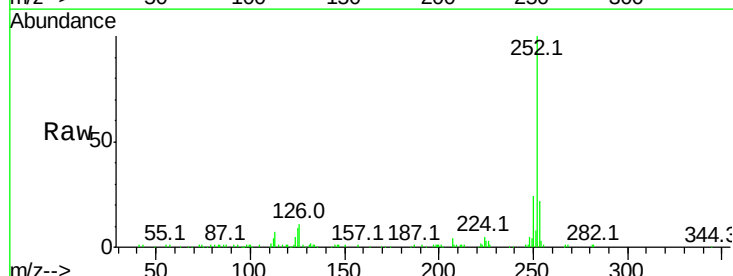
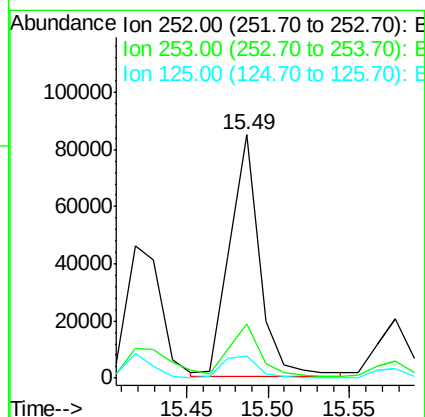
RT: 15.49 min Scan# 1168

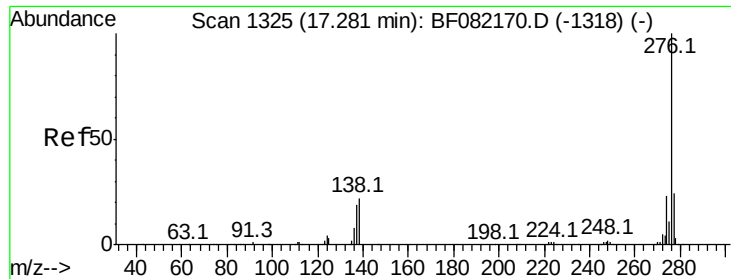
Delta R.T. 0.10 min

Lab File: BF082390.D

Acq: 20 Oct 2015 8:51

Tgt Ion:	252	Resp:	107984
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	9.0	8.9	13.3





#91
 Benzo(a,h,i)perylene
 Concen: 5.21 ng
 RT: 17.40 min Scan# 1335
 Delta R.T. 0.11 min
 Lab File: BF082390.D
 Acq: 20 Oct 2015 8:51

Instrument :
 BNA_F
 ClientSampleId :
 GOODLUCKINSULATIONDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	21.0	17.4	26.2

Manual Integrations
 APPROVED

MMdadoda
 10/20/2015 6:26:09 PM

