

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
 Data File : BF087739.D
 Acq On : 6 Jun 2016 6:50
 Operator : UM/SJ
 Sample : H3354-01
 Misc :
 ALS Vial : 75 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-27-20160531

Manual Integrations
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 6/6/2016 7:25:35 PM

Quant Time: Jun 06 07:56:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	136774	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	569956	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	224192	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	364268	20.00	ng	0.00
75) Chrysene-d12	14.02	240	280849	20.00	ng	0.00
86) Perylene-d12	15.45	264	246095	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	694734	82.10	ng	0.01
7) Phenol-d6	6.49	99	813250	76.63	ng	0.00
23) Nitrobenzene-d5	7.43	82	528863	53.69	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	142563	63.35	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	812489	48.95	ng	-0.01
78) Terphenyl-d14	12.97	244	570422	49.56	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.76	152	62265	2.76	ng	99
49) Dimethylphthalate	9.62	163	209659	12.86	ng	98
70) Phenanthrene	11.40	178	357237	18.09	ng	99
71) Anthracene	11.45	178	92113	4.65	ng	99
72) Carbazole	11.61	167	47486	2.53	ng	98
74) Fluoranthene	12.59	202	529921	27.27	ng	98
77) Pyrene	12.82	202	516709	25.84	ng	99
80) Benzo(a)anthracene	14.01	228	260616	16.08	ng	95
82) Chrysene	14.05	228	236149m	14.64	ng	
83) Bis(2-ethylhexyl)phthalate	14.01	149	53981	5.33	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.85	276	135064	10.13	ng	# 100
87) Benzo(b)fluoranthene	15.04	252	284186m	17.75	ng	
88) Benzo(k)fluoranthene	15.06	252	102372m	7.69	ng	
89) Benzo(a)pyrene	15.39	252	197667	14.69	ng	# 96
90) Dibenzo(a,h)anthracene	16.86	278	30285	2.64	ng	# 89
91) Benzo(g,h,i)perylene	17.27	276	142255	12.31	ng	95

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

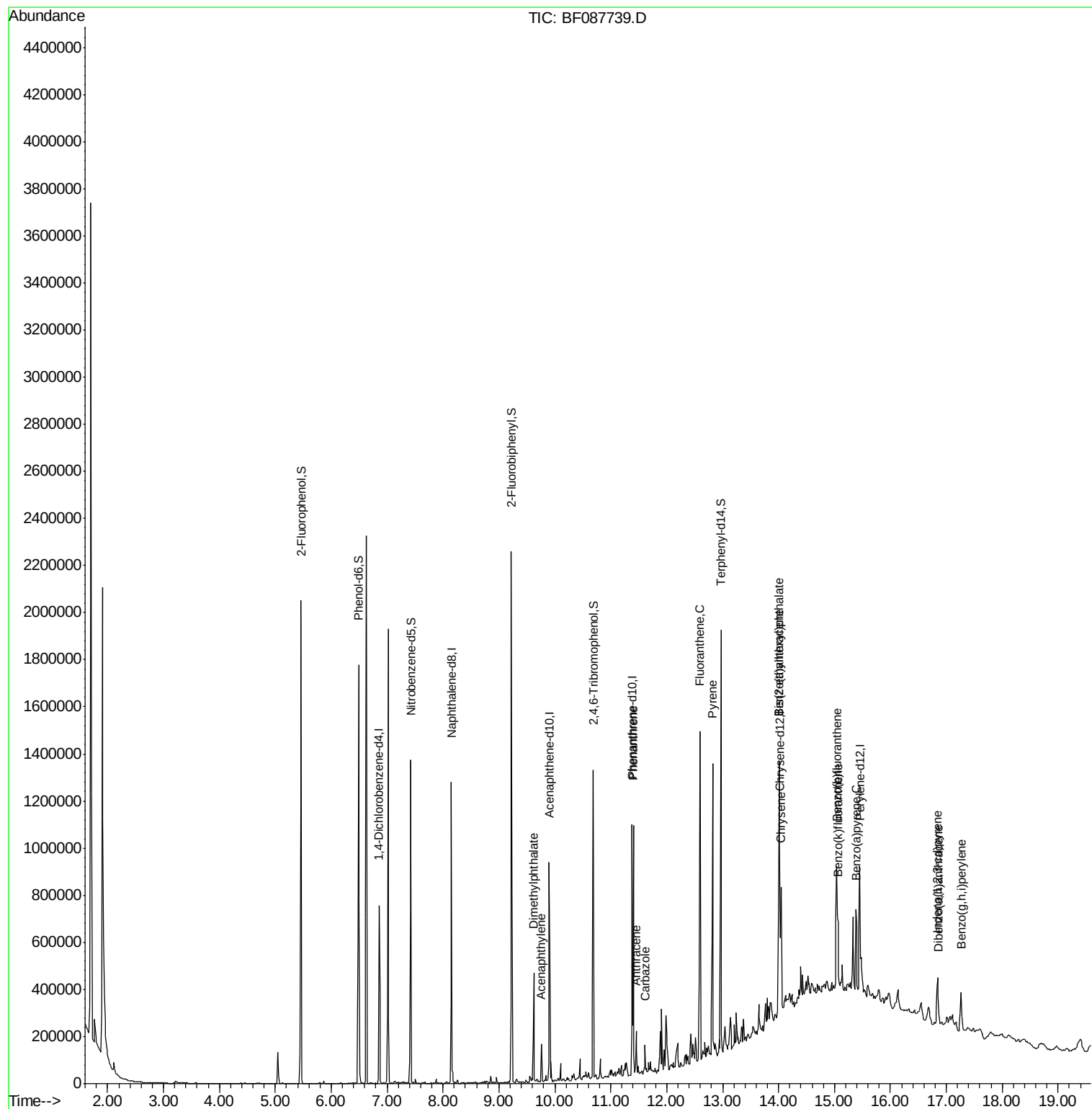
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087739.D
Acq On : 6 Jun 2016 6:50
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ALS Vial : 75 Sample Multiplier: 1

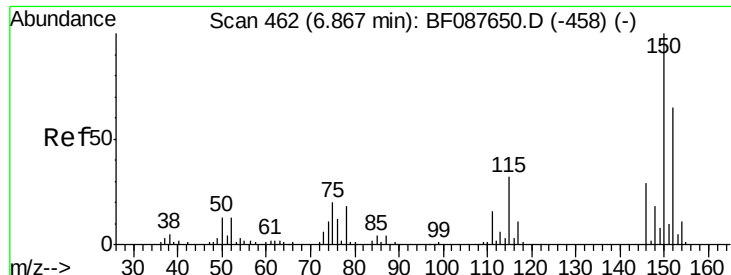
Instrument :
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POST-EX-27-20160531

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Quant Time: Jun 06 07:56:43 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
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#1

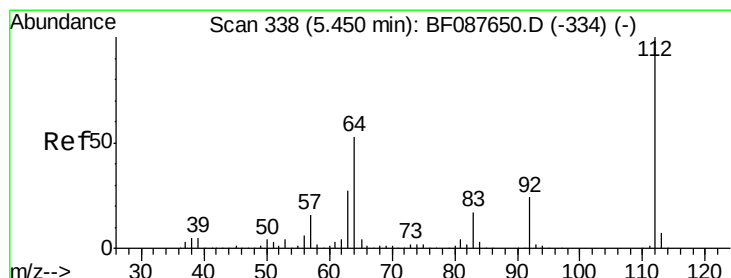
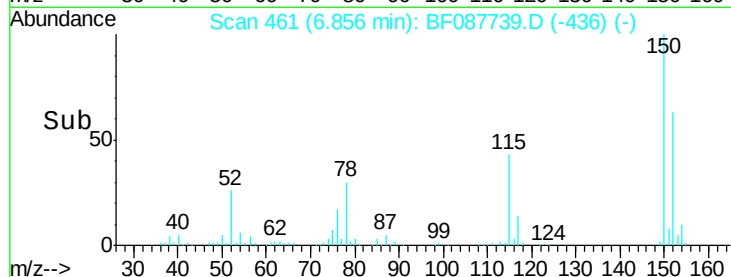
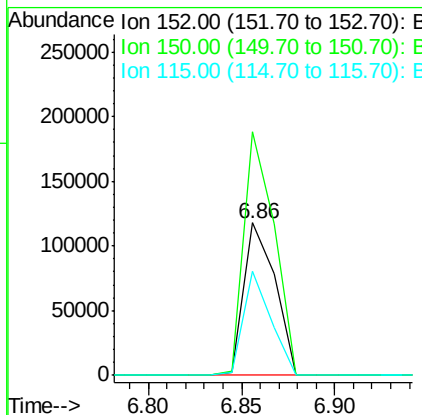
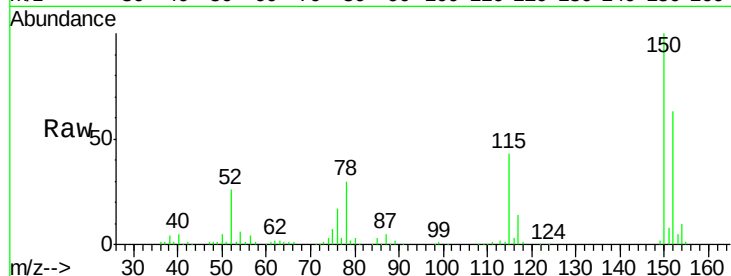
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
ClientSampleId :
POST-EX-27-20160531

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.8	185.6
115	67.9	39.6	59.4

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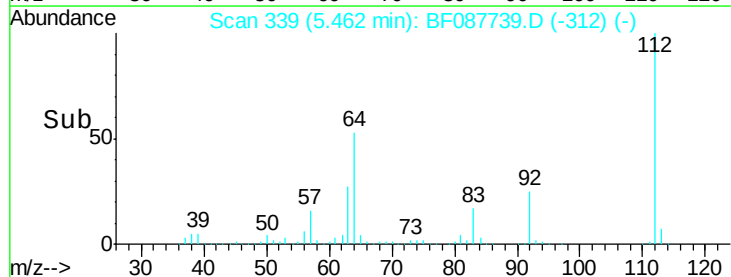
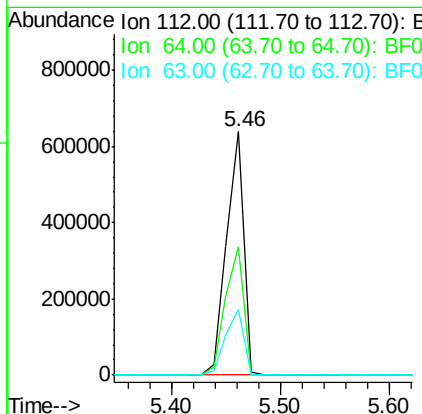
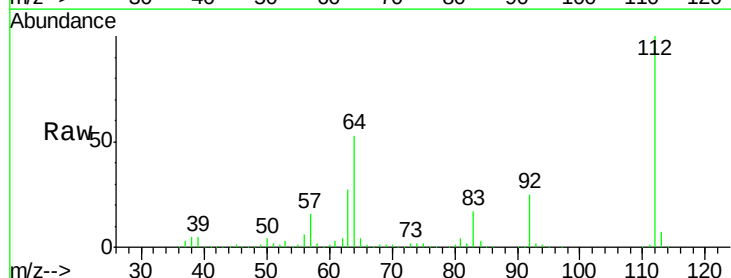
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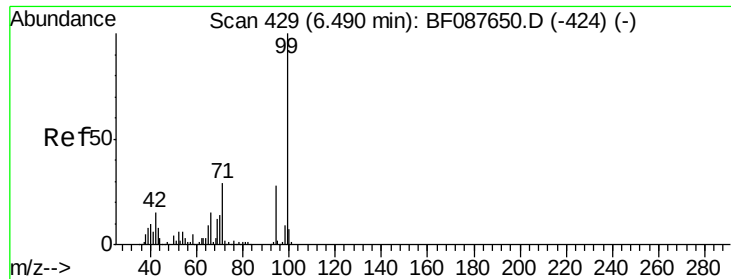


#5

2-Fluorophenol
Concen: 82.10 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	42.2	63.2
63	27.1	21.8	32.8





#7

Phenol-d6

Concen: 76.63 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

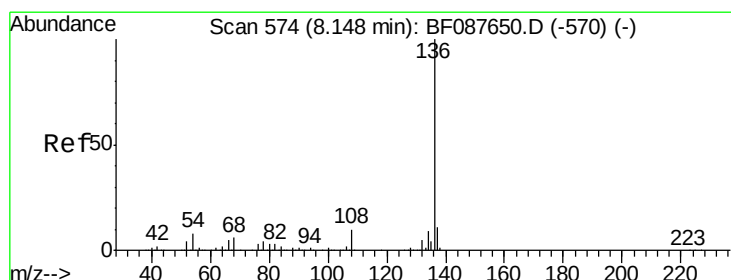
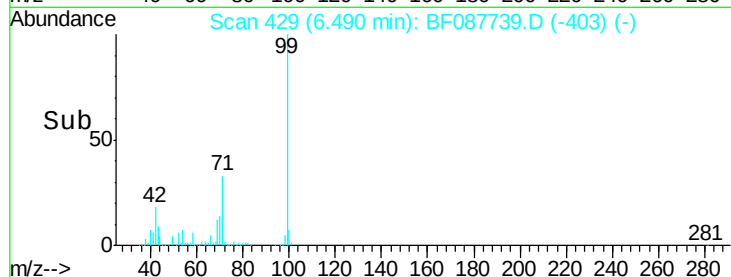
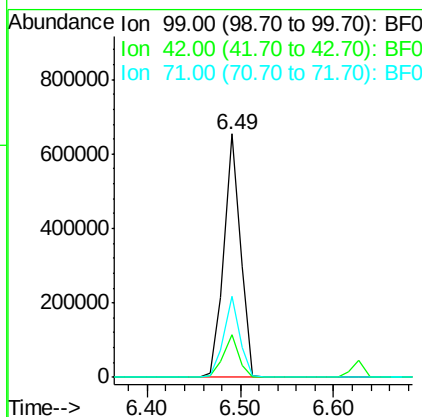
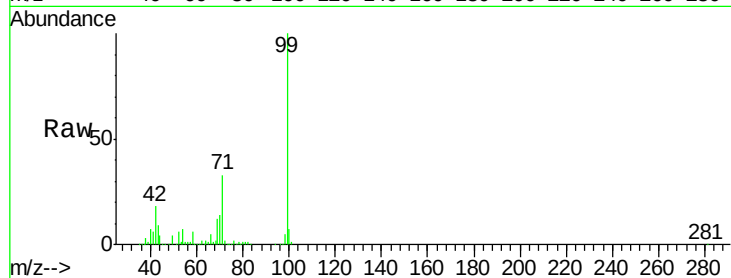
ClientSampleId :

POST-EX-27-20160531

Tot Ion:	99	Resp:	813250
Ion Ratio	Lower	Upper	
99	100		
42	17.6	12.2	18.2
71	33.4	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

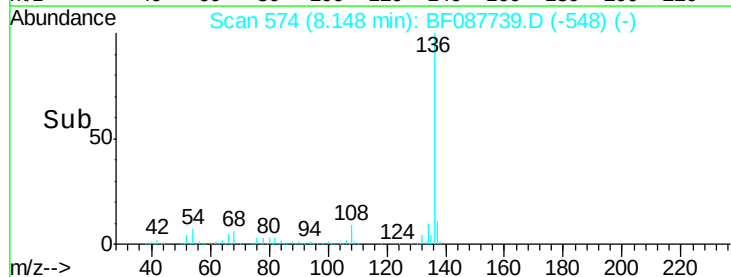
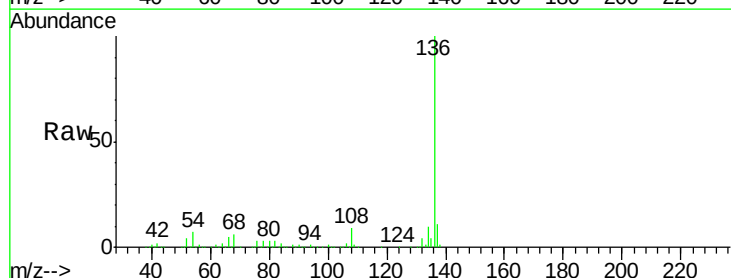
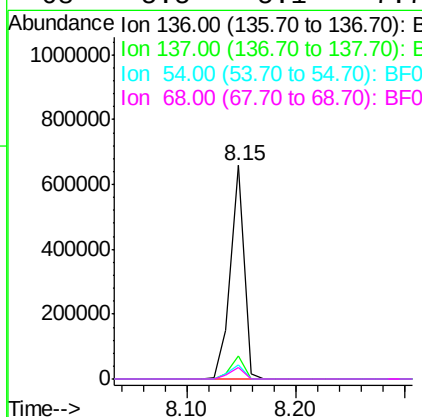
RT: 8.15 min Scan# 574

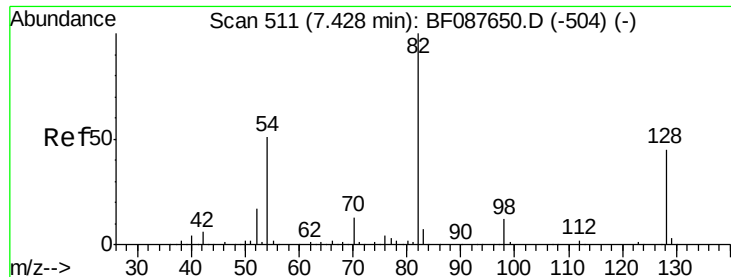
Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Tgt Ion:	136	Resp:	569956
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.8	6.6	10.0
68	5.5	5.1	7.7





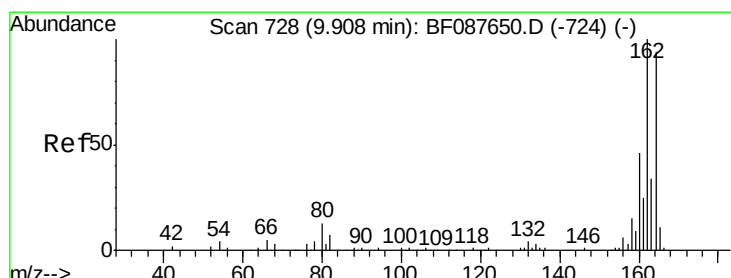
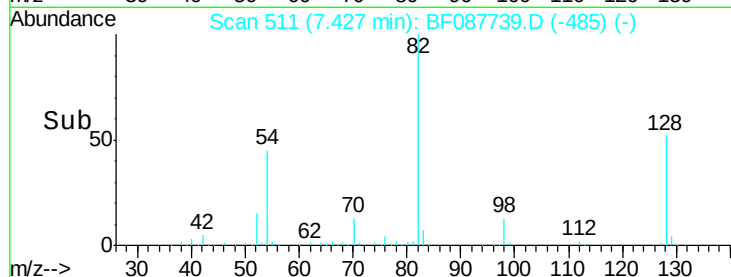
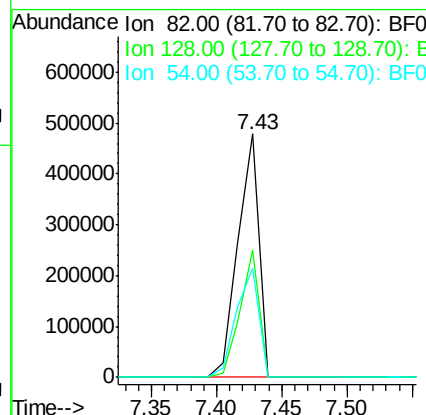
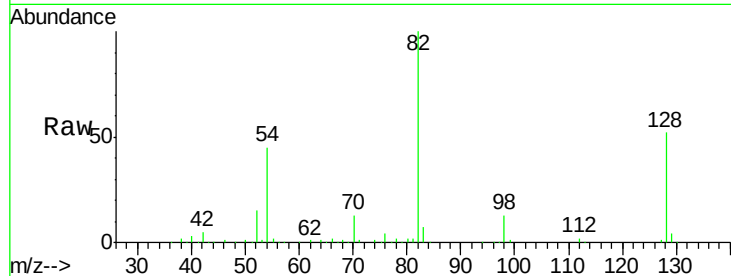
#23
 Nitrobenzene-d5
 Concen: 53.69 ng
 RT: 7.43 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF087739.D
 Acq: 6 Jun 2016 6:50

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-27-20160531

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.5	35.9	53.9	
54	45.1	40.9	61.3	

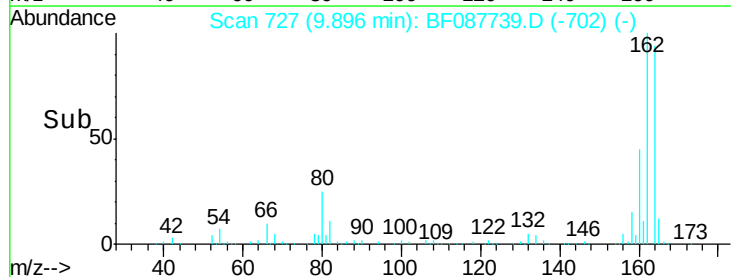
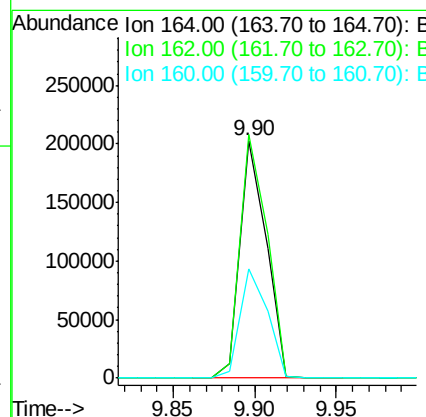
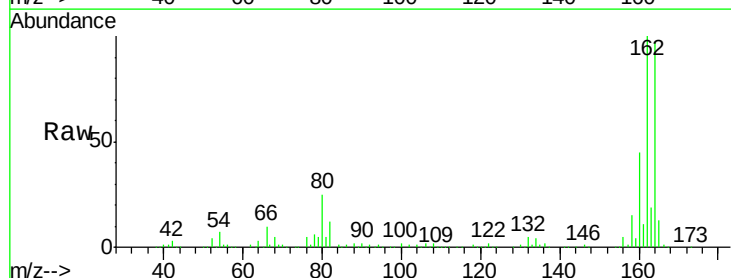
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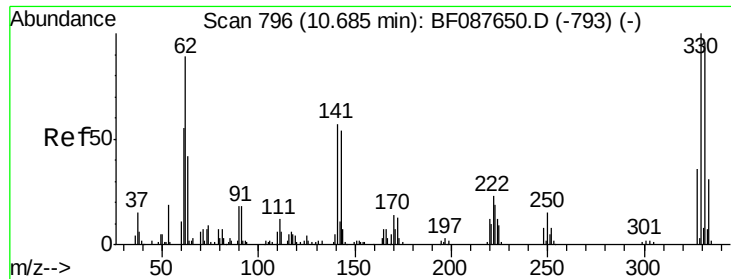
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: BF087739.D
 Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	85.4	128.2	
160	46.1	39.5	59.3	





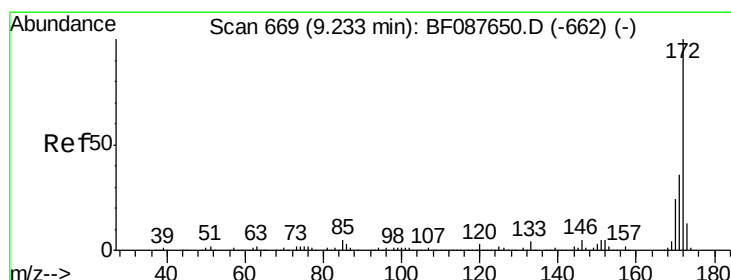
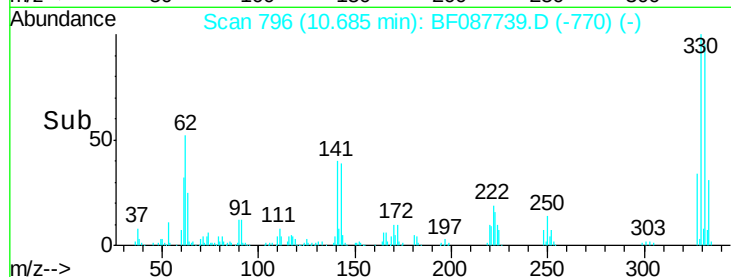
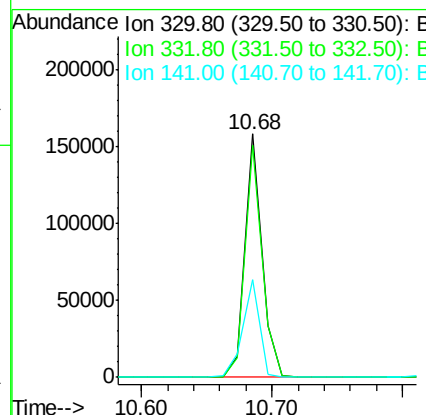
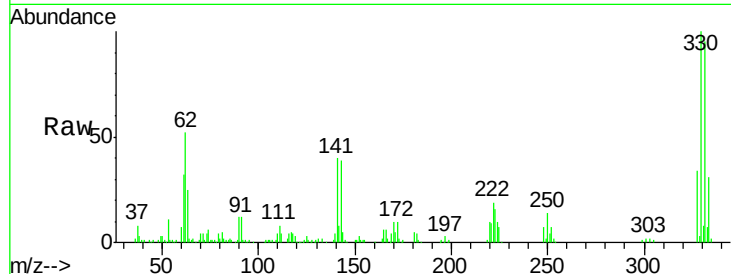
#41
 2,4,6-Tribromophenol
 Concen: 63.35 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087739.D
 Acq: 6 Jun 2016 6:50

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-27-20160531

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	40.2	0.0	0.0#

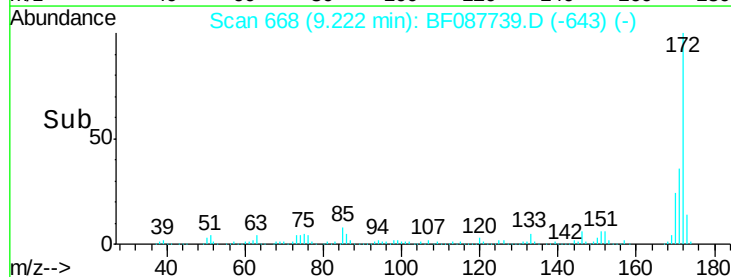
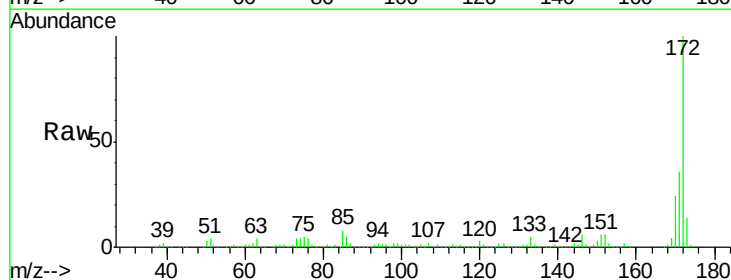
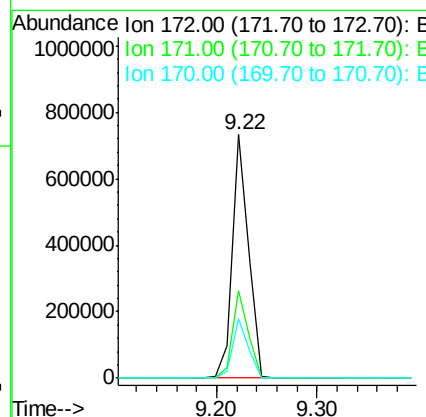
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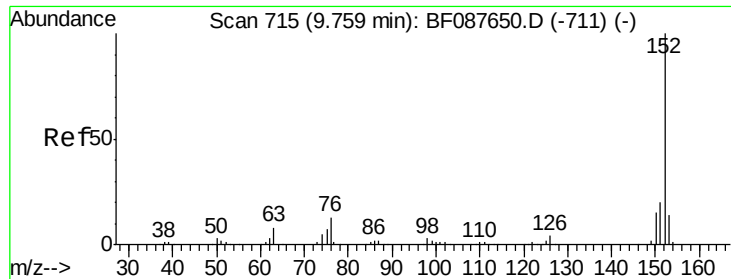
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#44
 2-Fluorobiphenyl
 Concen: 48.95 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087739.D
 Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.3	19.2	28.8





#48

Acenaphthylene

Concen: 2.76 ng

RT: 9.76 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF087739.D

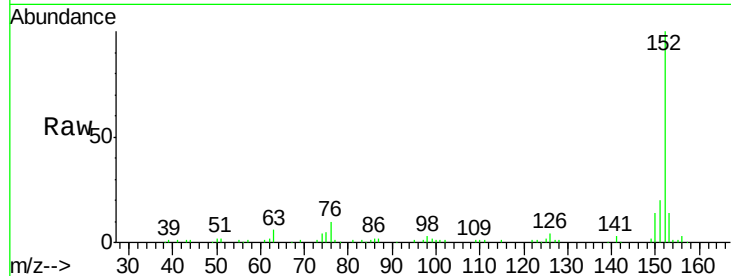
Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

ClientSampleId :

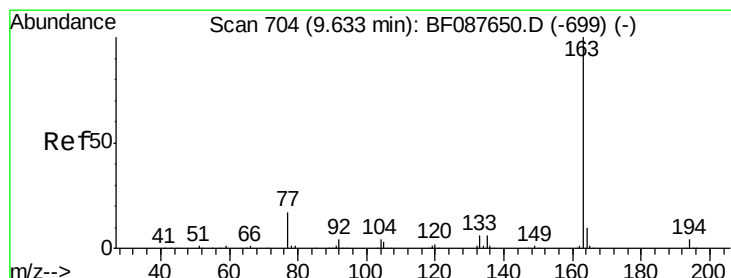
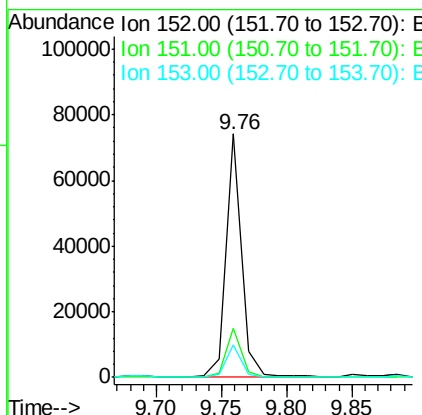
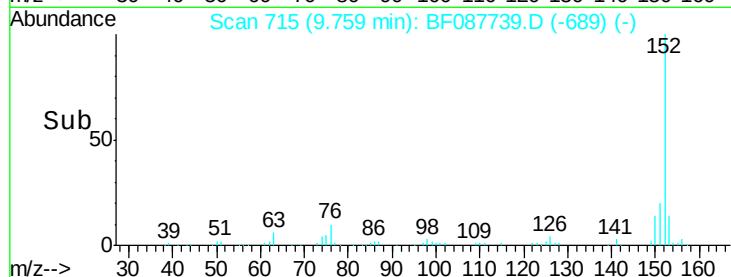
POST-EX-27-20160531



Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		62265		
151	20.0	16.2	24.4		
153	13.6	11.0	16.6		

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#49

Dimethylphthalate

Concen: 12.86 ng

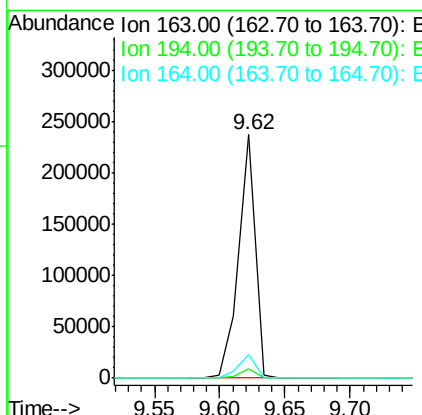
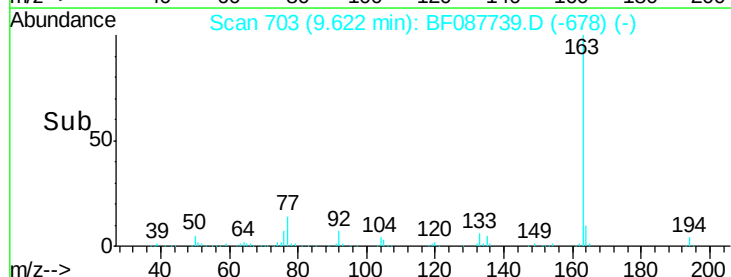
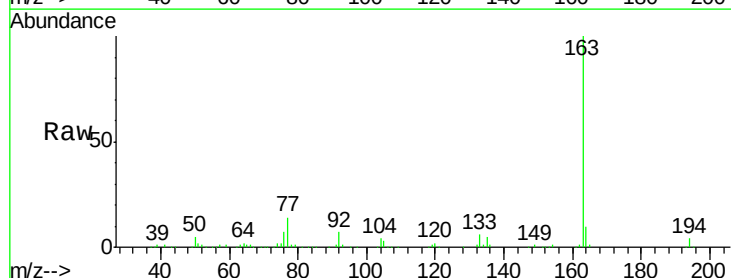
RT: 9.62 min Scan# 703

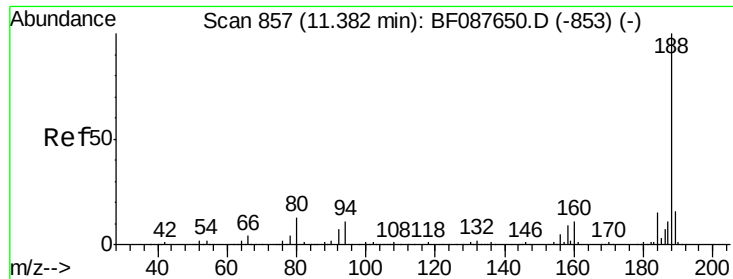
Delta R.T. -0.01 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		209659		
194	3.6	2.8	4.2		
164	9.7	8.3	12.5		





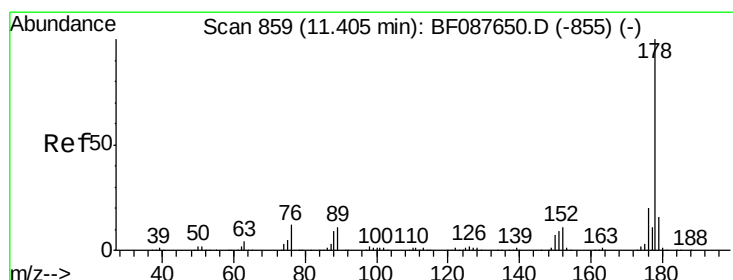
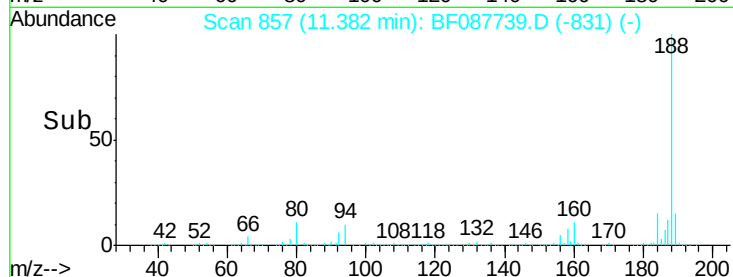
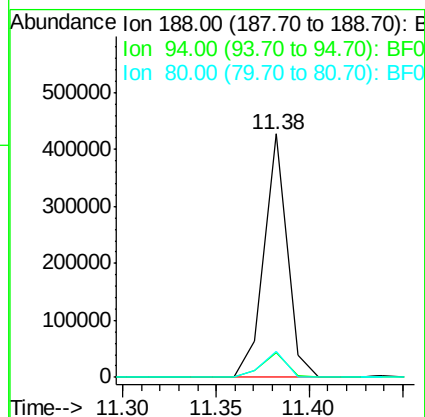
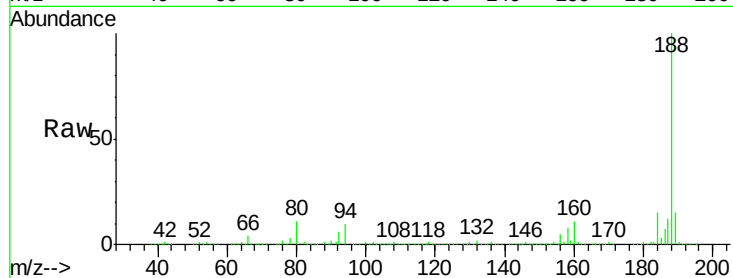
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	364268		
94	10.4		9.0	13.6
80	10.8		10.0	15.0

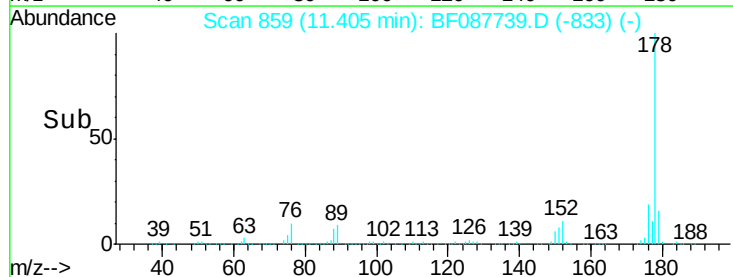
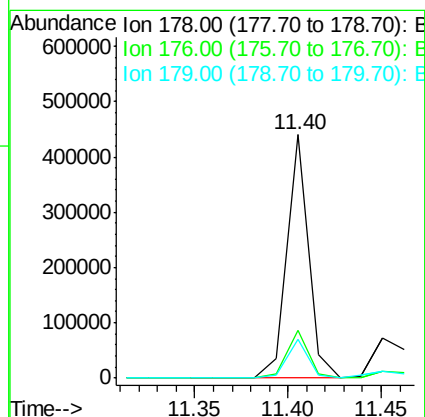
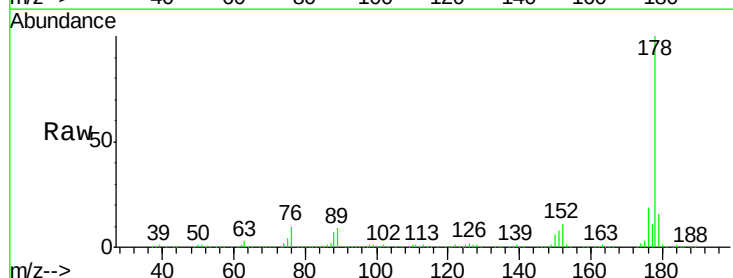
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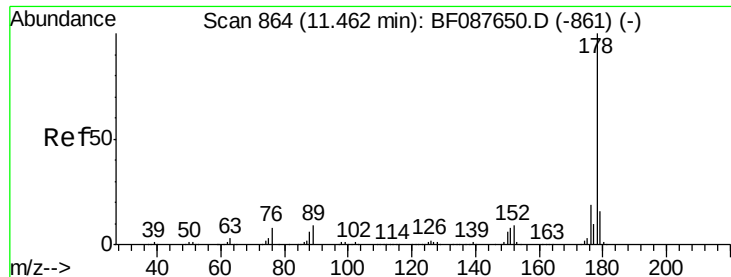
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#70
Phenanthrene
Concen: 18.09 ng
RT: 11.40 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	357237		
176	19.4		15.8	23.6
179	15.7		13.0	19.4





#71

Anthracene

Concen: 4.65 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

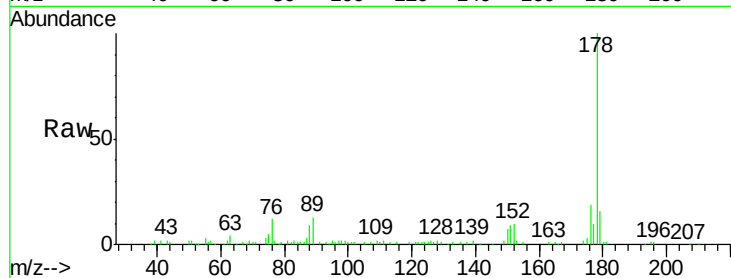
ClientSampleId :

POST-EX-27-20160531

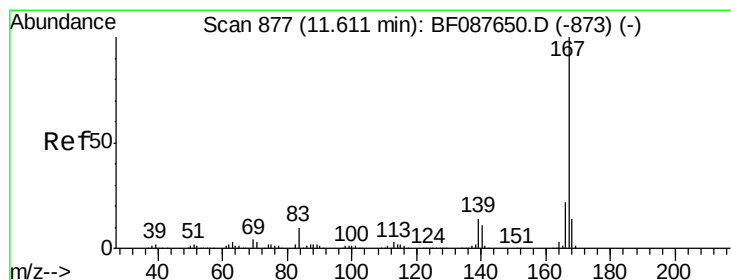
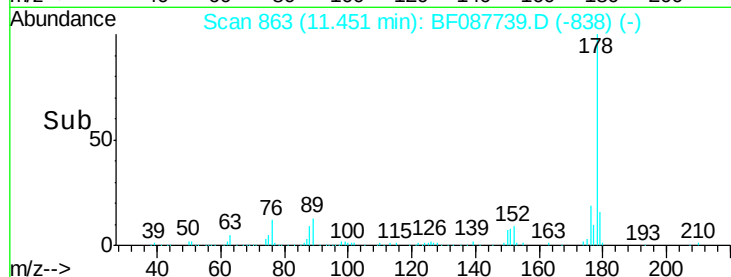
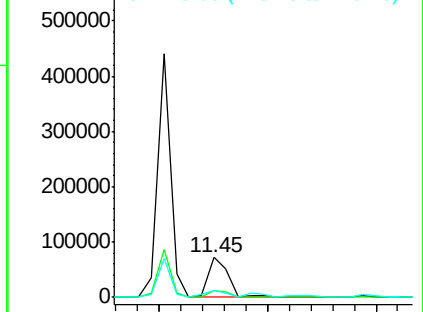
Tot Ion:	178	Resp:	92113
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.6	23.4
179	16.3	12.8	19.2

Manual Integrations
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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: 2.53 ng

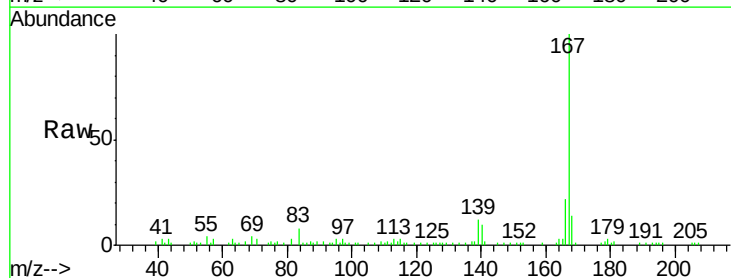
RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

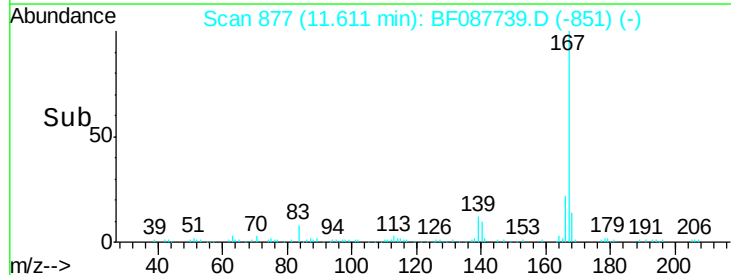
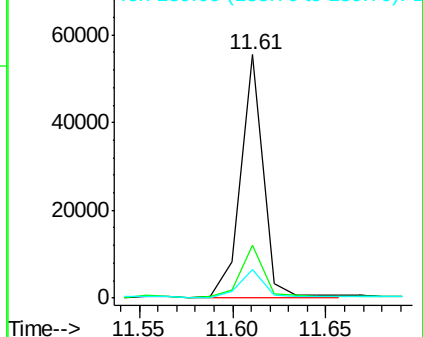
Lab File: BF087739.D

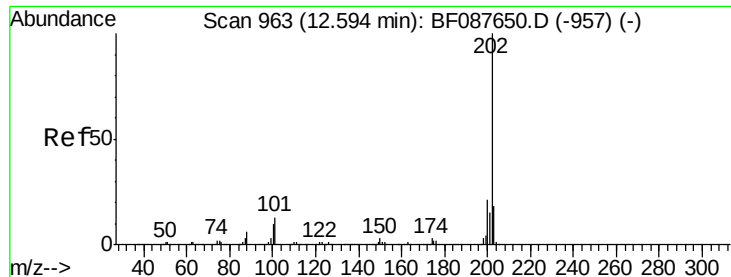
Acq: 6 Jun 2016 6:50

Tgt Ion:	167	Resp:	47486
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.8	26.6
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: 27.27 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

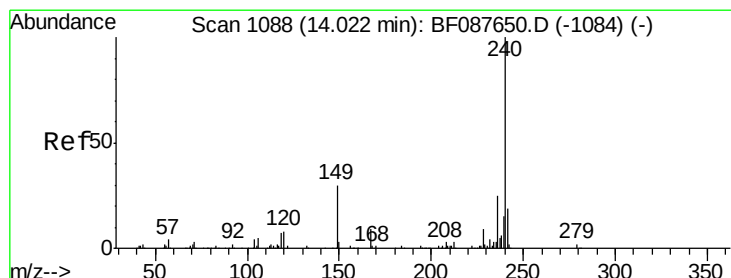
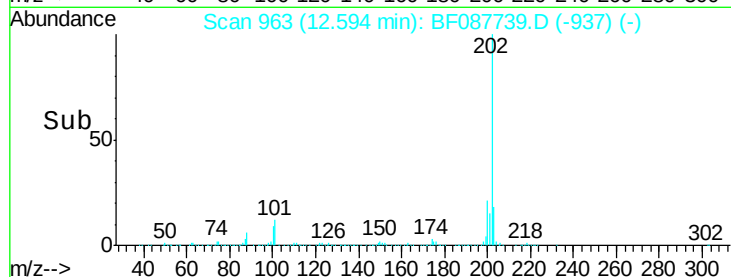
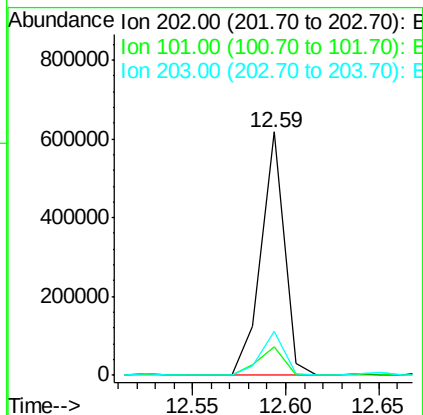
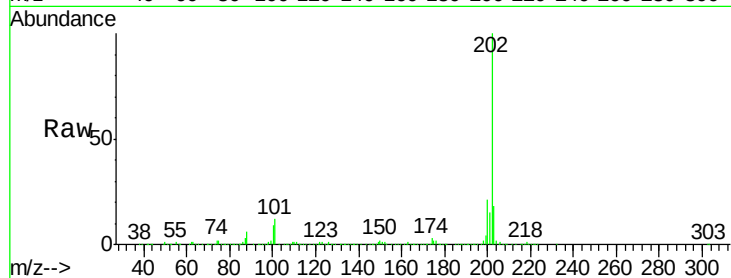
ClientSampleId :

POST-EX-27-20160531

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		529921		
101	11.8	0.0	33.1		
203	17.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.00 ng

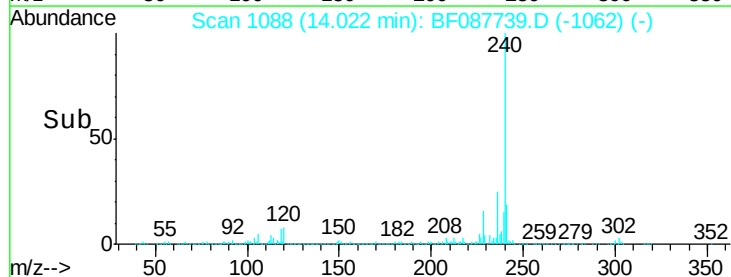
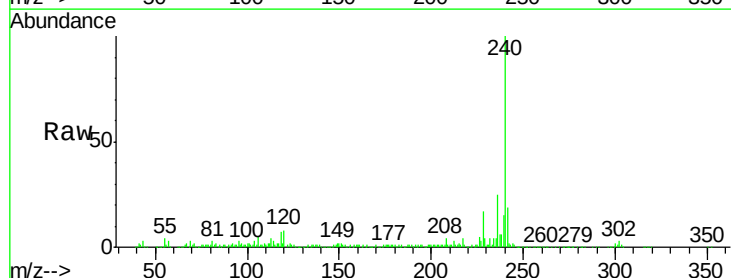
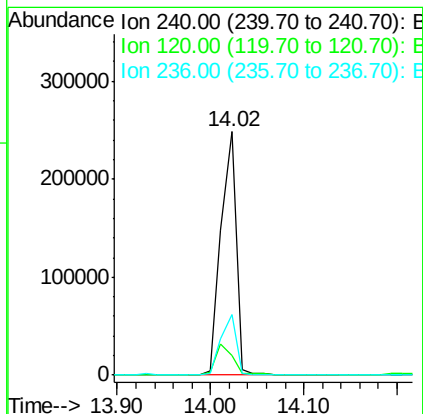
RT: 14.02 min Scan# 1088

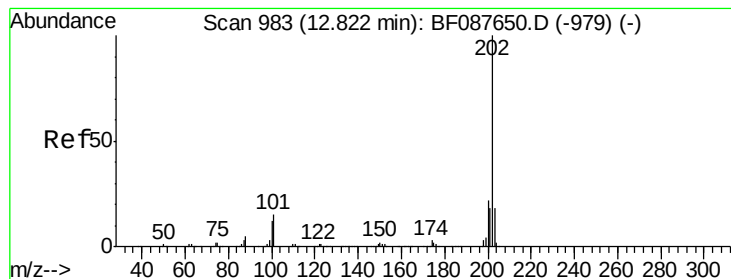
Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		280849		
120	8.0	6.8	10.2		
236	25.1	20.2	30.2		





#77

Pvrene

Concen: 25.84 ng

RT: 12.82 min Scan# 983

Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

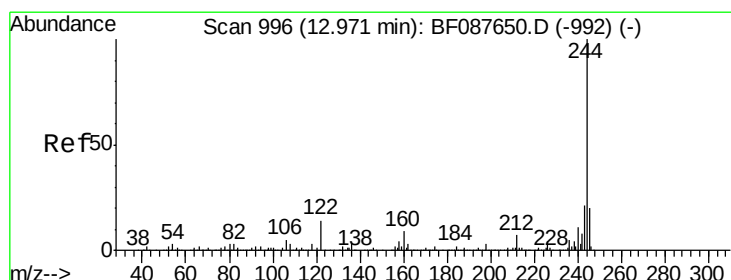
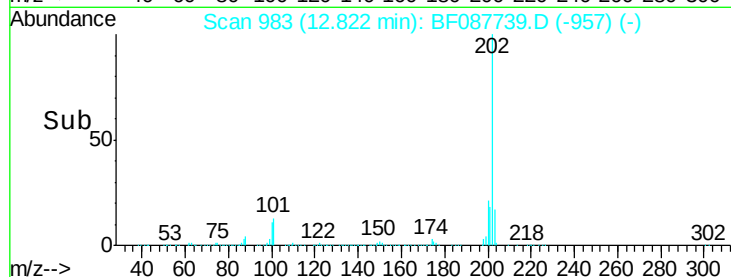
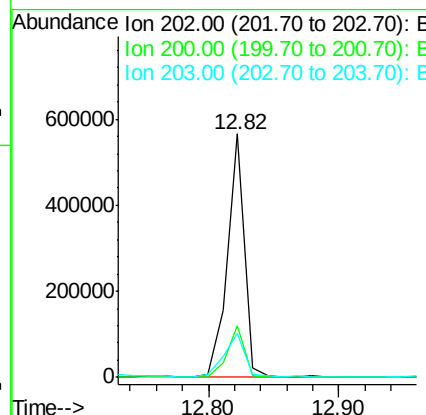
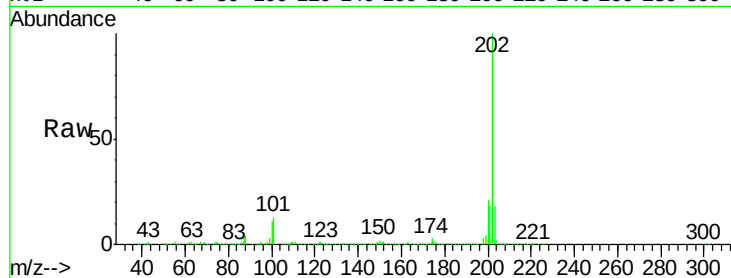
ClientSampleId :

POST-EX-27-20160531

Tot Ion:	202	Resp:	516709
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.0	14.5	21.7

Manual Integrations
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6/6/2016 7:25:35 PM



#78

Terphenyl-d14

Concen: 49.56 ng

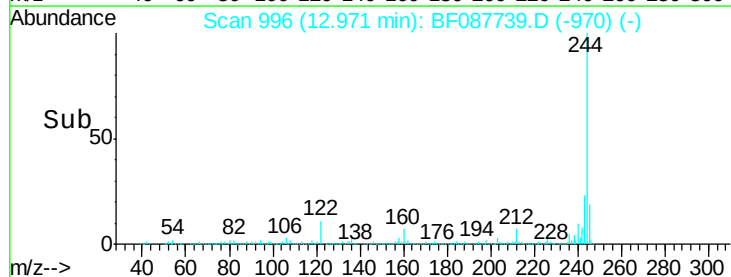
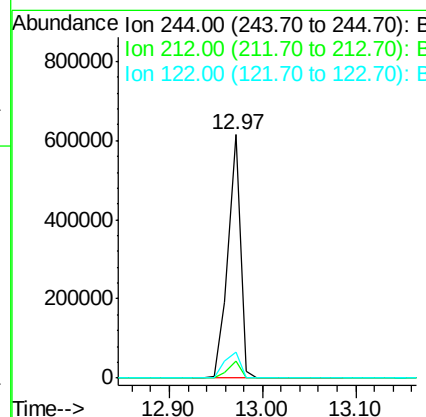
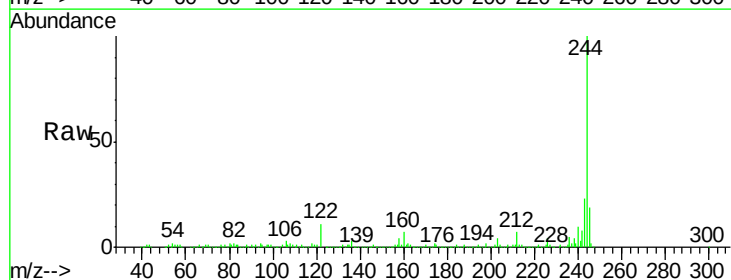
RT: 12.97 min Scan# 996

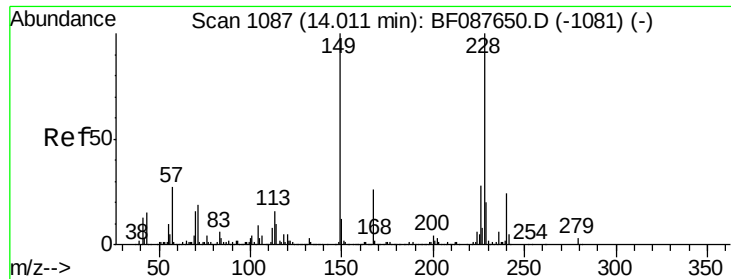
Delta R.T. 0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Tgt Ion:	244	Resp:	570422
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	10.7	11.2	16.8#





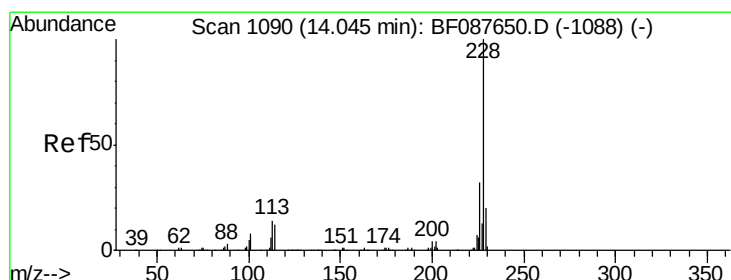
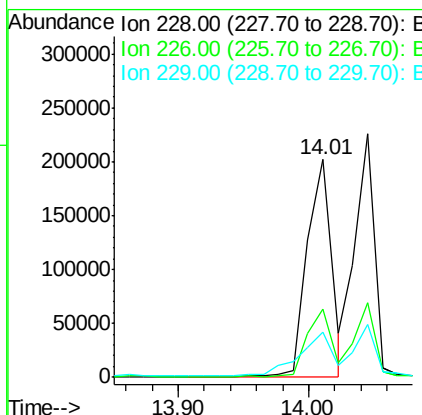
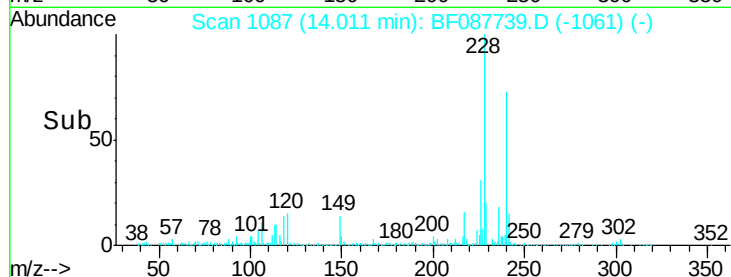
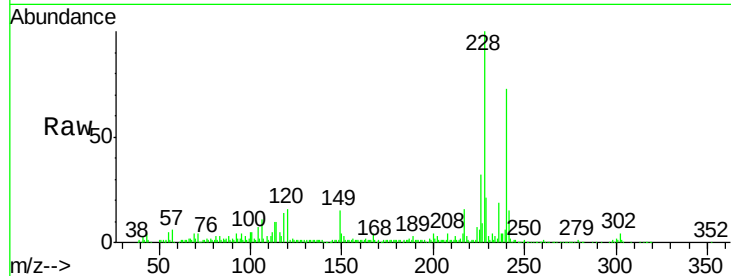
#80
Benzo(a)anthracene
Concen: 16.08 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
ClientSampleId :
POST-EX-27-20160531

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.3	33.5
229	20.8	16.0	24.0

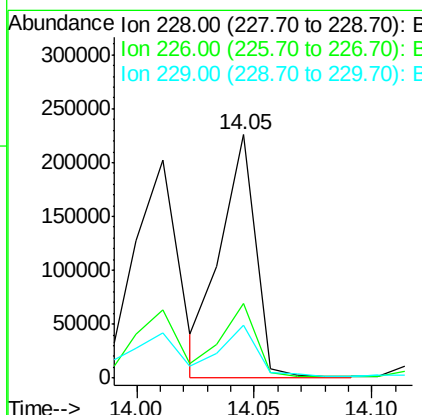
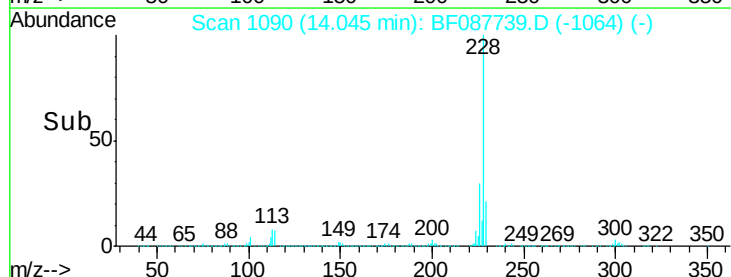
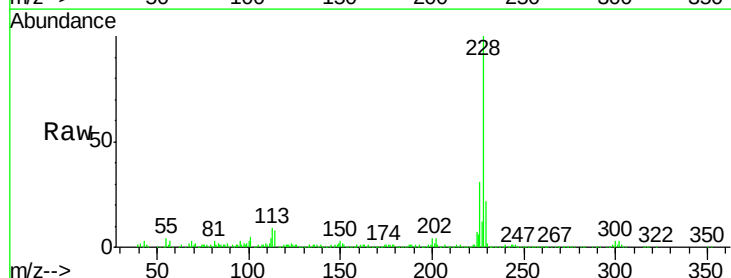
Manual Integrations
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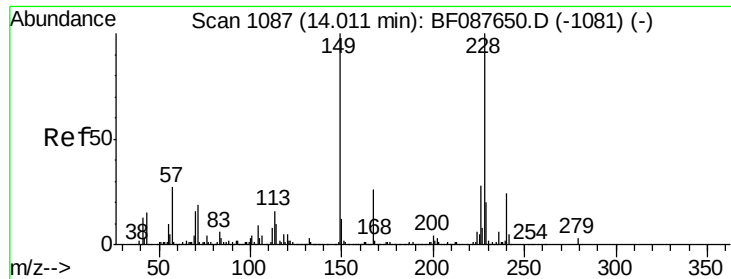
SOHIL
6/6/2016 7:25:35 PM



#82
Chrysene
Concen: 14.64 ng m
RT: 14.05 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.2
229	22.0	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.33 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Instrument :

BNA_F

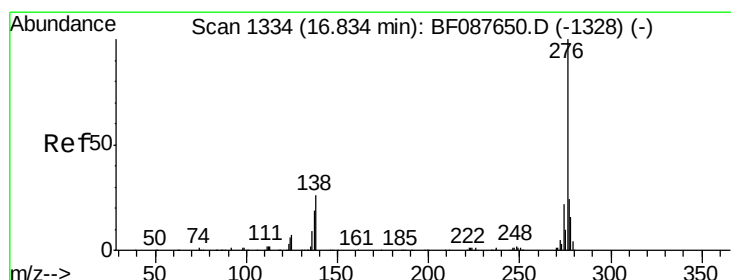
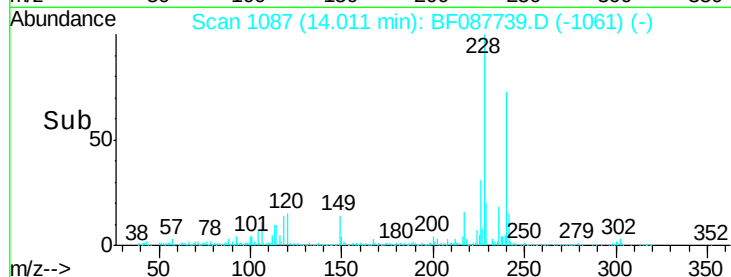
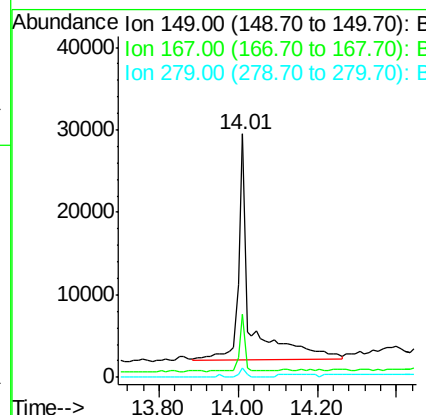
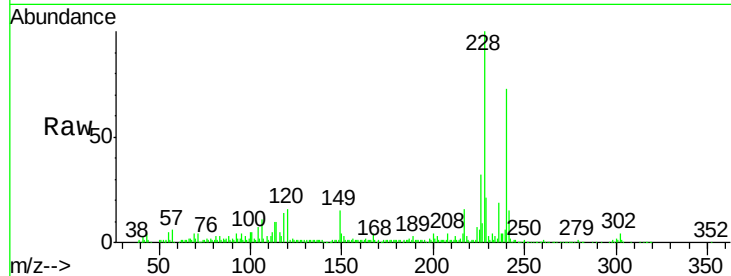
ClientSampleId :

POST-EX-27-20160531

Tot Ion:	149	Resp:	53981
Ion Ratio	Lower	Upper	
149	100		
167	25.9	20.5	30.7
279	3.9	2.0	3.0#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.13 ng

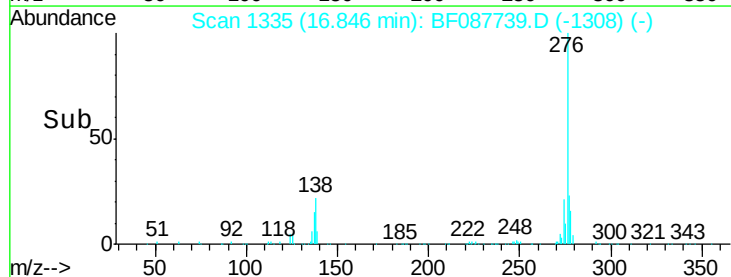
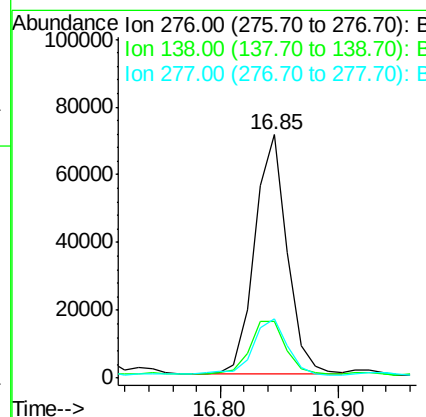
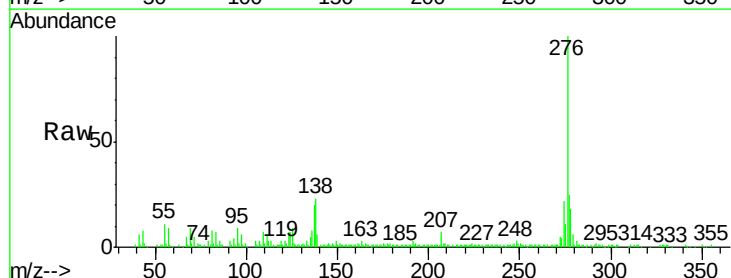
RT: 16.85 min Scan# 1335

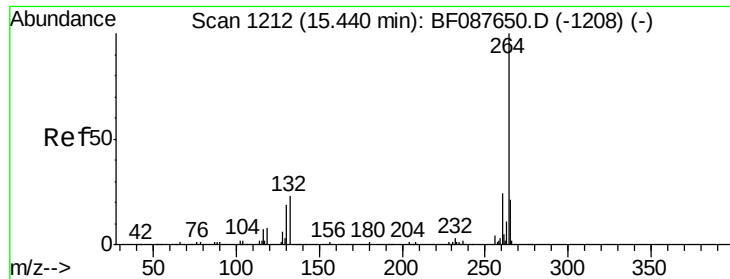
Delta R.T. 0.01 min

Lab File: BF087739.D

Acq: 6 Jun 2016 6:50

Tgt Ion:	276	Resp:	135064
Ion Ratio	Lower	Upper	
276	100		
138	24.6	0.0	0.0#
277	26.3	0.0	0.0#





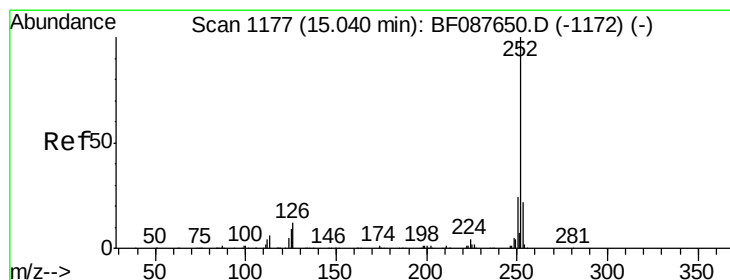
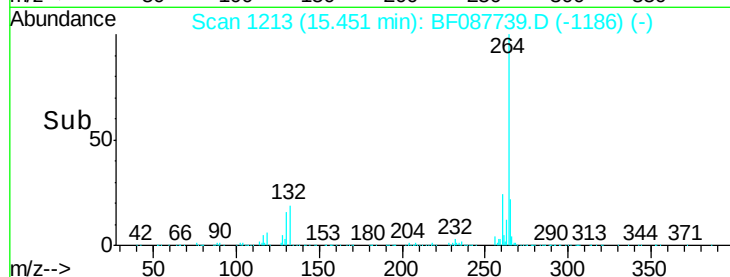
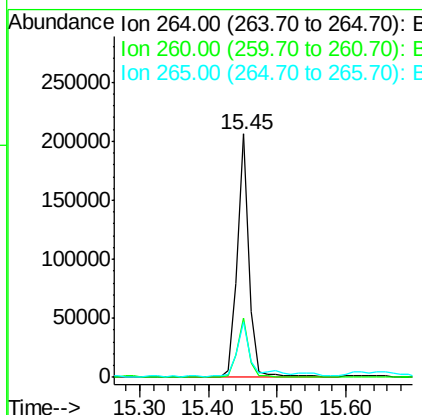
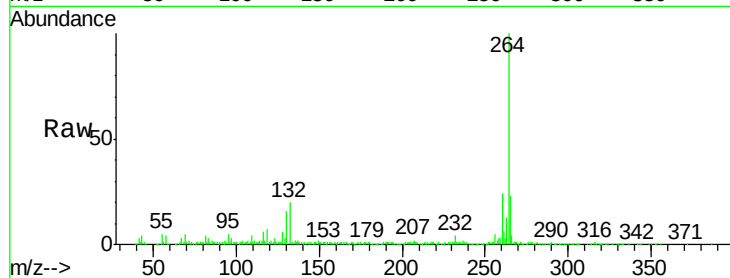
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1213
Delta R.T. 0.01 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
ClientSampleId :
POST-EX-27-20160531

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.7	16.9	25.3

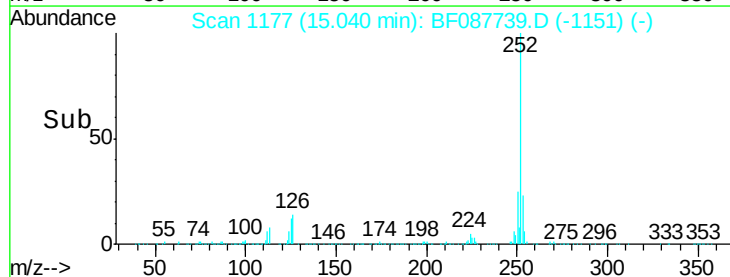
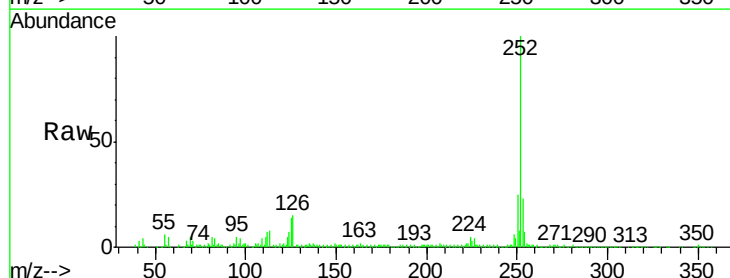
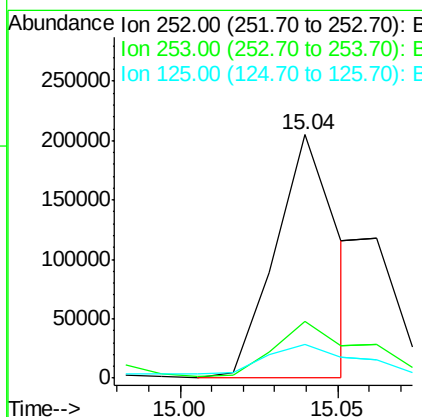
Manual Integrations
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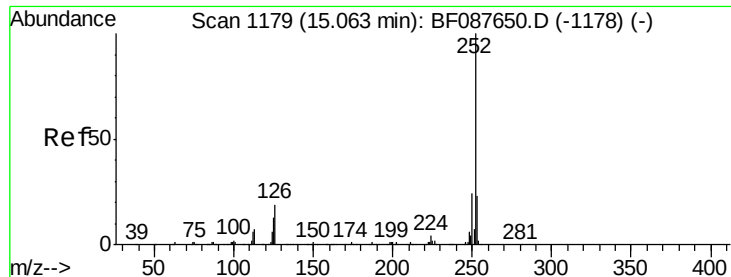
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#87
Benzo(b)fluoranthene
Concen: 17.75 ng m
RT: 15.04 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	13.8	7.1	10.7#





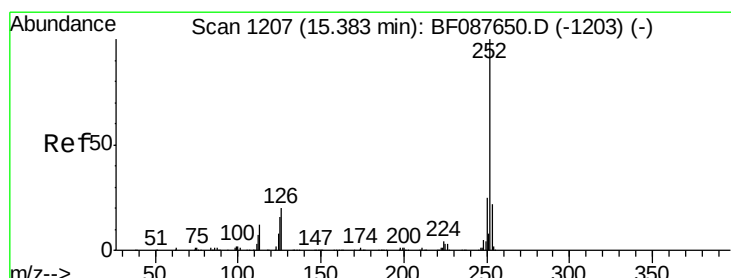
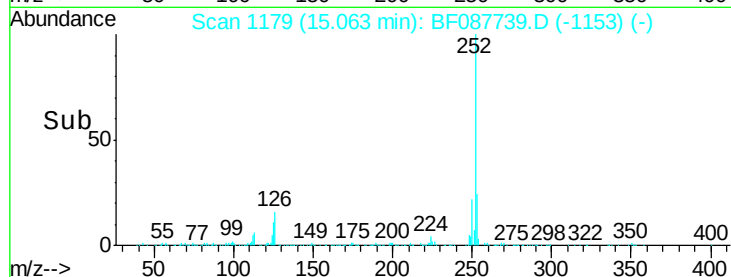
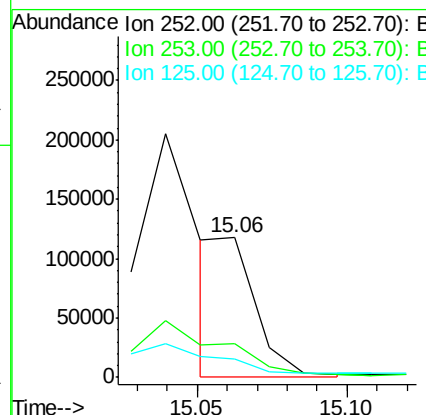
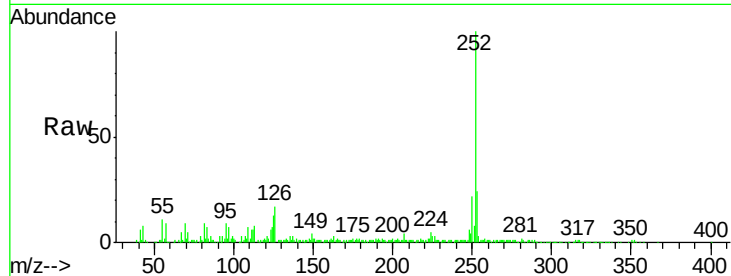
#88
Benzo(k)fluoranthene
Concen: 7.69 ng m
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
ClientSampleId :
POST-EX-27-20160531

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	13.5	11.2	16.8

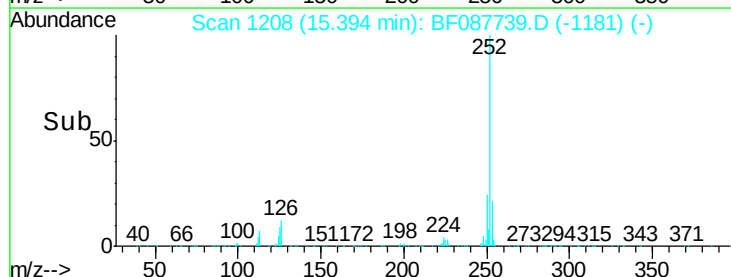
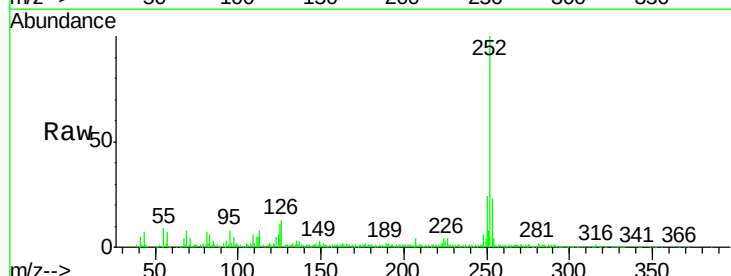
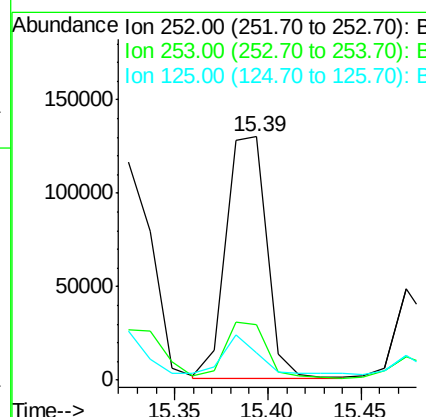
Manual Integrations
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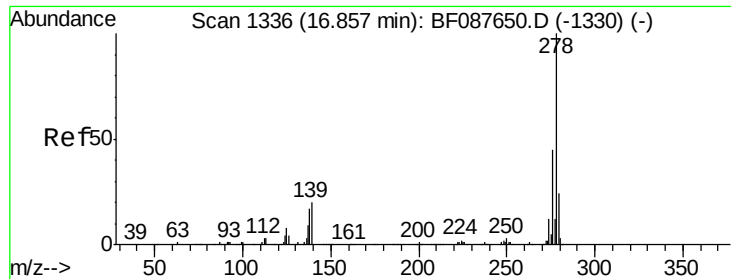
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#89
Benzo(a)pyrene
Concen: 14.69 ng
RT: 15.39 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.4	12.5	18.7





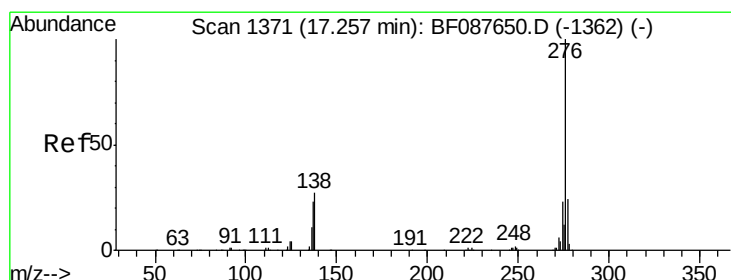
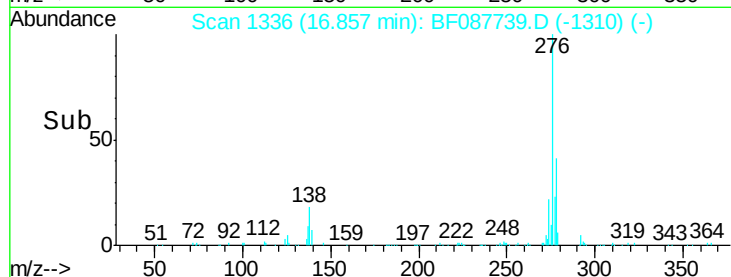
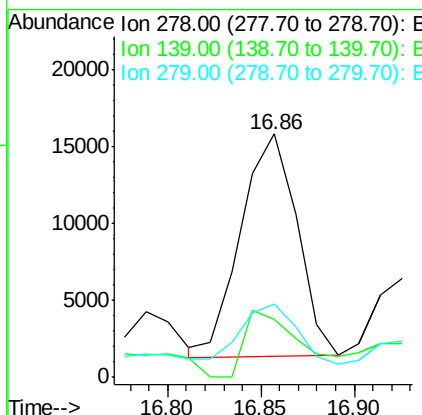
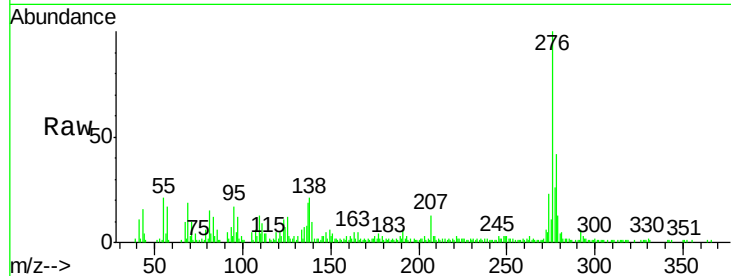
#90
Dibenzo(a,h)anthracene
Concen: 2.64 ng
RT: 16.86 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Instrument :
BNA_F
ClientSampleId :
POST-EX-27-20160531

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.8	15.7	23.5#
279	30.2	19.4	29.2#

Manual Integrations
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6/6/2016 7:25:35 PM



#91
Benzo(g,h,i)perylene
Concen: 12.31 ng
RT: 17.27 min Scan# 1372
Delta R.T. 0.01 min
Lab File: BF087739.D
Acq: 6 Jun 2016 6:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.9	28.3
138	22.1	21.4	32.2

