

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
 Data File : BF087698.D
 Acq On : 5 Jun 2016 9:41
 Operator : UM/SJ
 Sample : H3345-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C

Manual Integrations
 APPROVED

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 6/6/2016 7:18:53 PM

Quant Time: Jun 06 02:07:09 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	6.88	152	127520	20.00	ng	0.01
21) Naphthalene-d8	8.16	136	89035m	20.00	ng	0.01
38) Acenaphthene-d10	9.91	164	235968	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	434437	20.00	ng	0.00
75) Chrysene-d12	14.01	240	342178	20.00	ng	-0.01
86) Perylene-d12	15.44	264	263697	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	151865	19.25	ng	0.01
7) Phenol-d6	6.49	99	332654	33.62	ng	0.00
23) Nitrobenzene-d5	7.44	82	863560	561.16	ng	0.01
41) 2,4,6-Tribromophenol	10.70	330	337114	142.32	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	1213533	76.44	ng	0.00
78) Terphenyl-d14	12.97	244	1118389	79.75	ng	0.00
Target Compounds						
22) Acetophenone	7.28	105	122472	60.73	ng	# 82
31) Naphthalene	8.34	128	29361578	6782.59	ng	# 91
37) 2-Methylnaphthalene	8.89	142	4629431	1619.42	ng	# 92
45) 1,1'-Biphenyl	9.34	154	1208735	63.12	ng	96
48) Acenaphthylene	9.77	152	1545718	65.02	ng	96
49) Dimethylphthalate	9.62	163	162934	9.50	ng	99
51) Acenaphthene	9.93	154	280745	18.35	ng	99
54) Dibenzofuran	10.10	168	96187	4.62	ng	# 88
57) Fluorene	10.46	166	838703	51.52	ng	97
70) Phenanthrene	11.41	178	1028068	43.65	ng	100
71) Anthracene	11.45	178	137848	5.84	ng	98
72) Carbazole	11.61	167	215922	9.66	ng	98
74) Fluoranthene	12.61	202	70179	3.03	ng	94
77) Pyrene	12.81	202	86244	3.54	ng	99

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

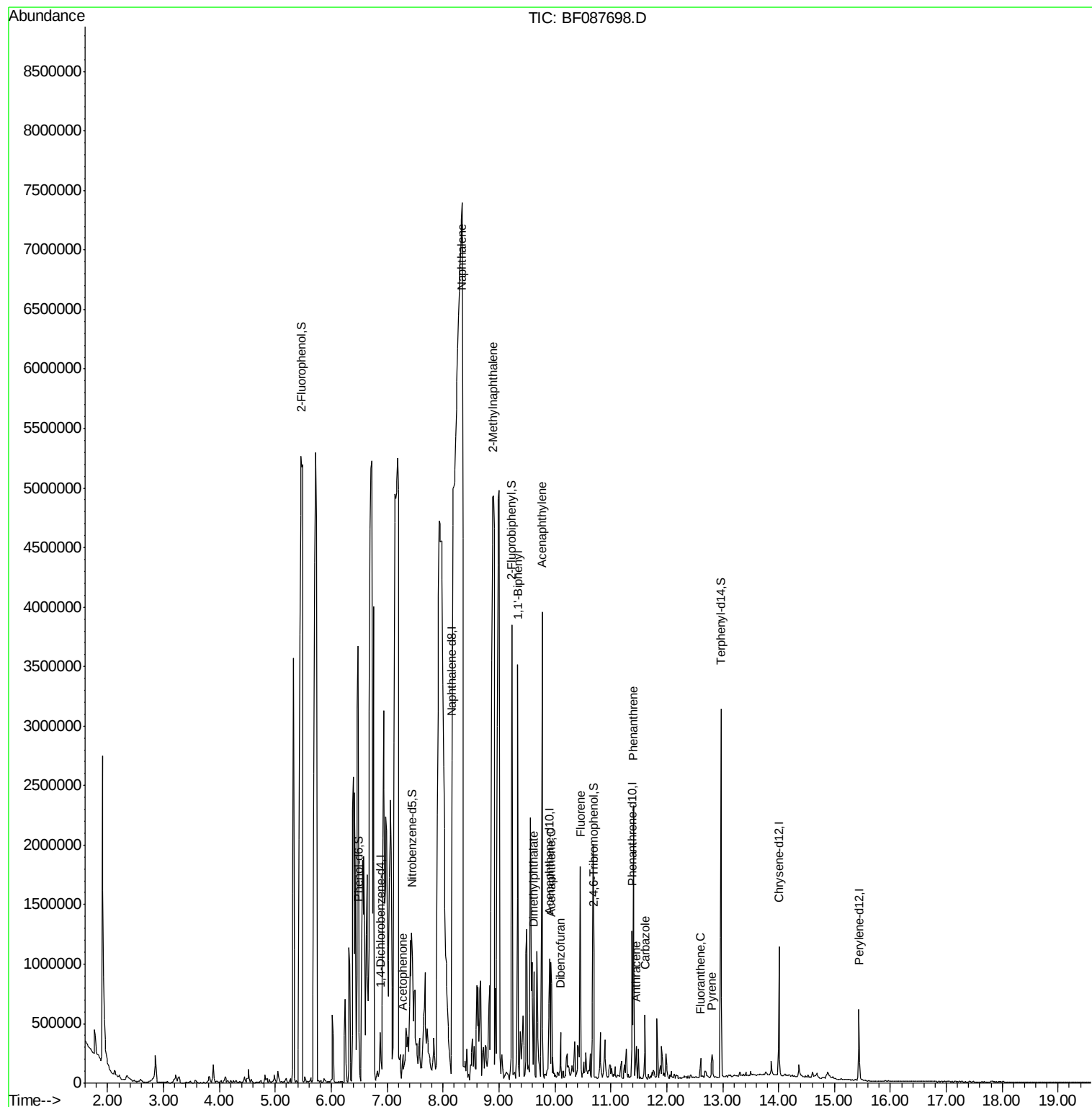
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
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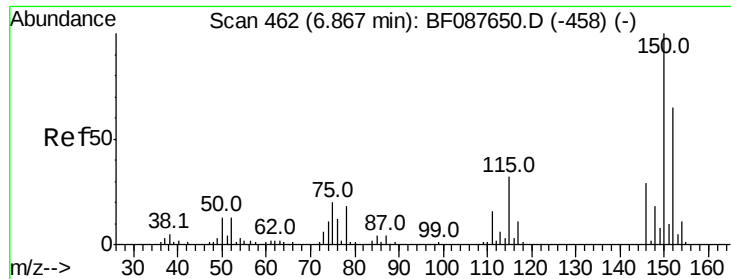
Instrument :
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Quant Time: Jun 06 02:07:09 2016
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#1

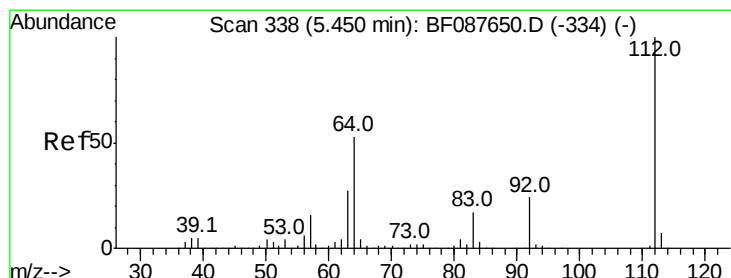
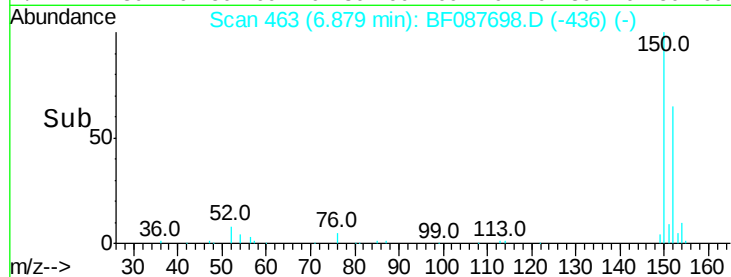
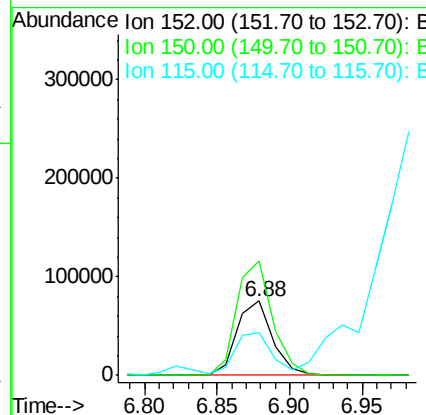
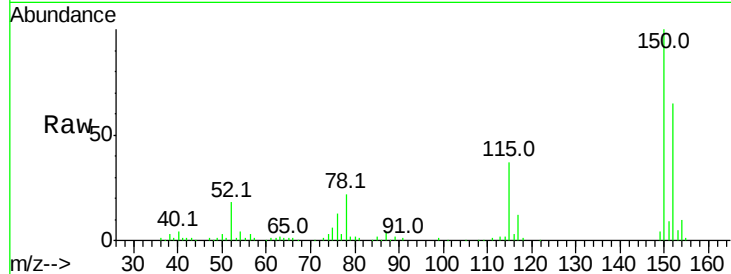
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.8	185.6
115	56.5	39.6	59.4

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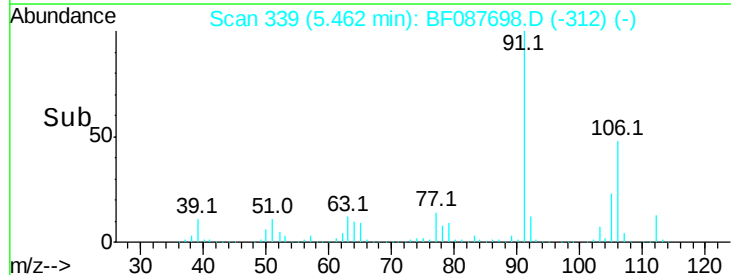
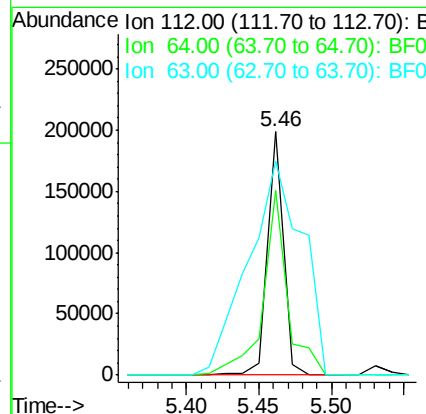
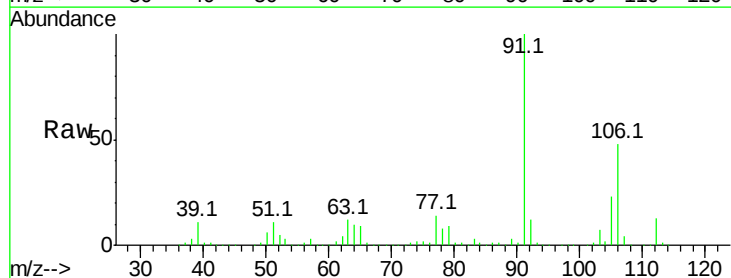
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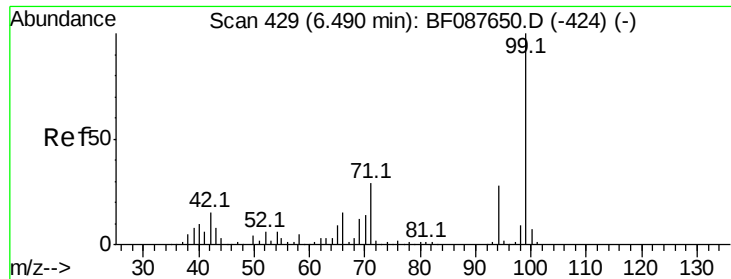


#5

2-Fluorophenol
Concen: 19.25 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.7	42.2	63.2#
63	88.2	21.8	32.8#





#7

Phenol-d6

Concen: 33.62 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Instrument :

BNA_F

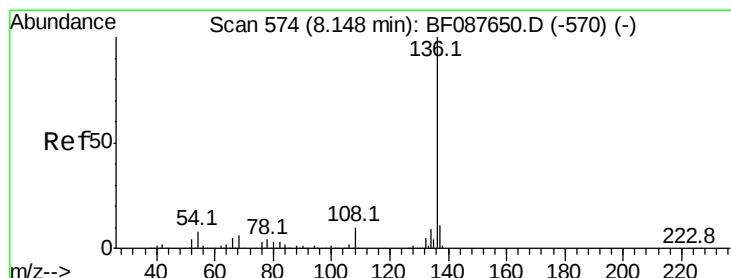
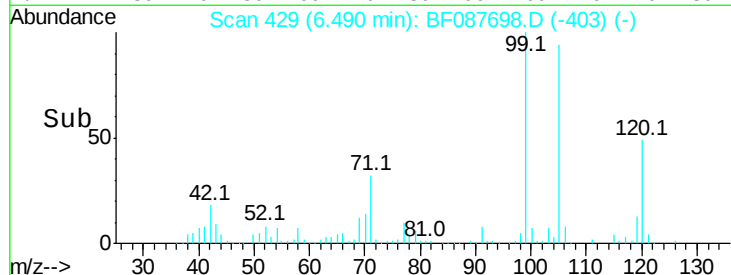
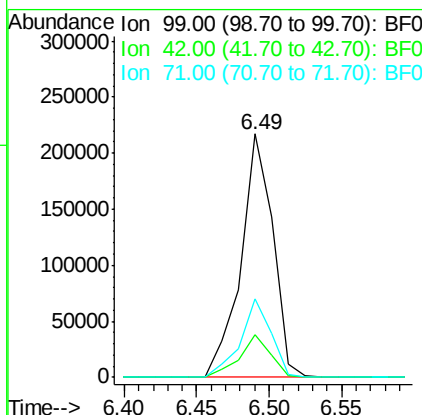
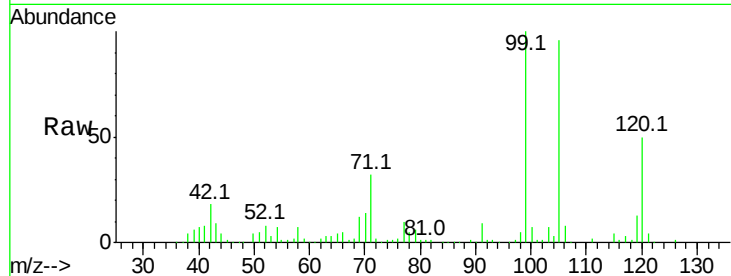
ClientSampleId :

MW-11C

Tot Ion:	99	Resp:	332654
Ion Ratio	Lower	Upper	
99	100		
42	17.6	12.2	18.2
71	32.2	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng m

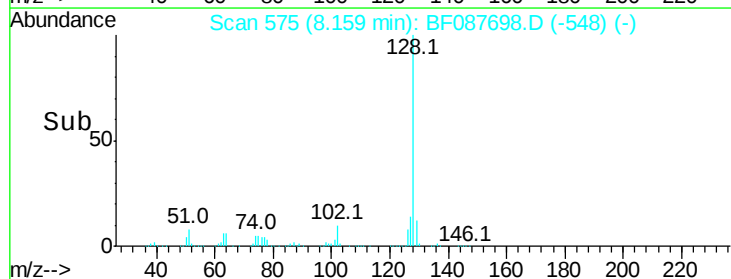
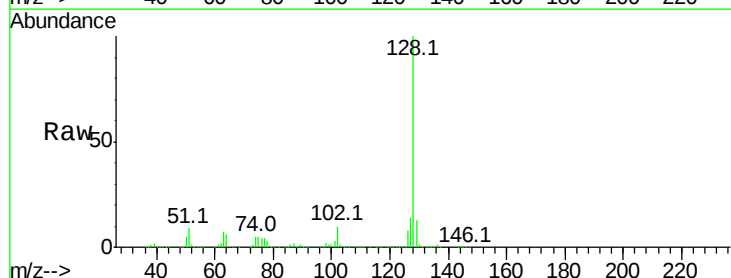
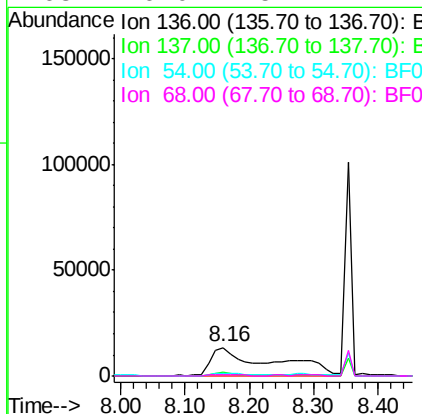
RT: 8.16 min Scan# 575

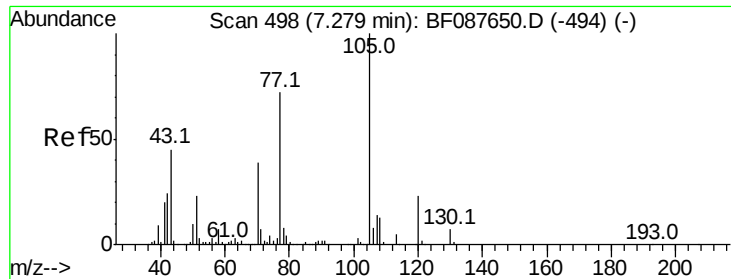
Delta R.T. 0.01 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Tgt Ion:	136	Resp:	89035
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.1	13.7
54	9.1	6.6	10.0
68	6.0	5.1	7.7





#22

Acetophenone

Concen: 60.73 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Instrument :

BNA_F

ClientSampleId :

MW-11C

Tot Ion:105 Resp: 122472
Ion Ratio Lower Upper

105 100

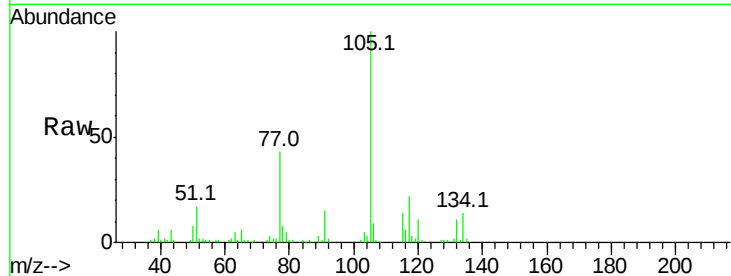
71 0.0 5.3 7.9#

51 17.3 18.2 27.4#

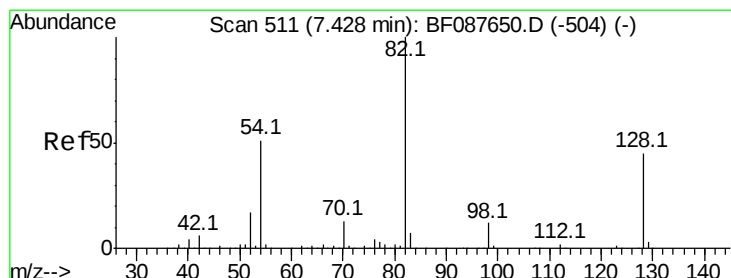
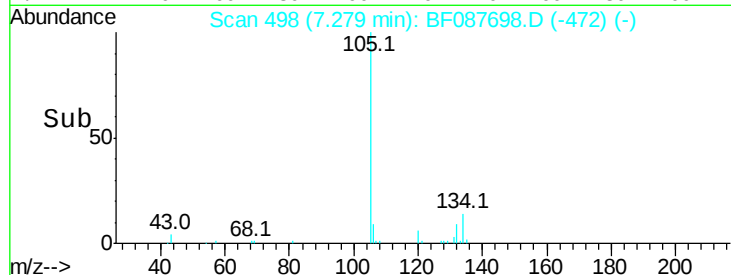
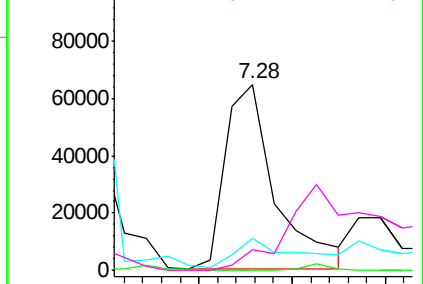
120 11.1 18.0 27.0#

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Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 561.16 ng

RT: 7.44 min Scan# 512

Delta R.T. 0.01 min

Lab File: BF087698.D

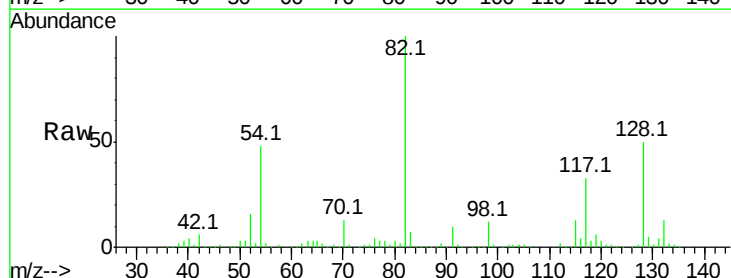
Acq: 5 Jun 2016 9:41

Tgt Ion: 82 Resp: 863560
Ion Ratio Lower Upper

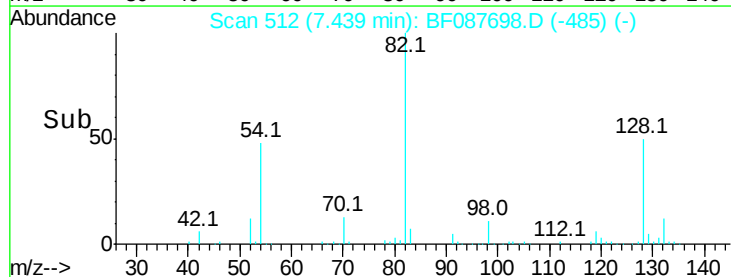
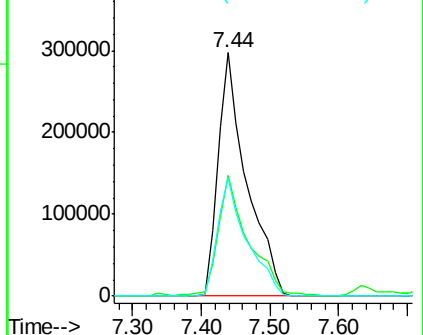
82 100

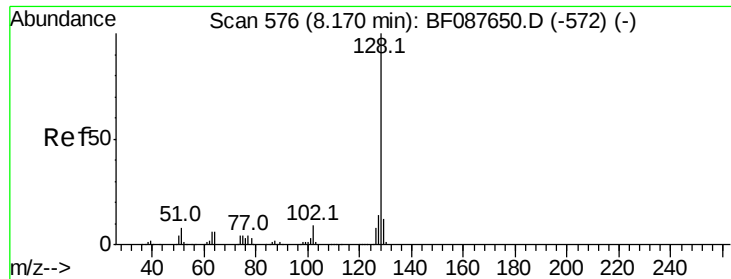
128 49.8 35.9 53.9

54 48.5 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





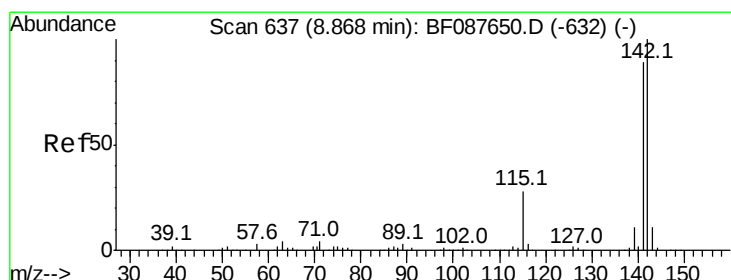
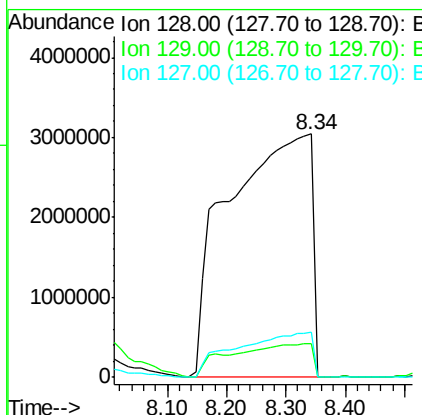
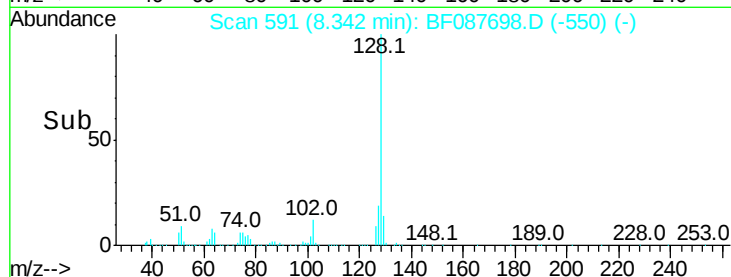
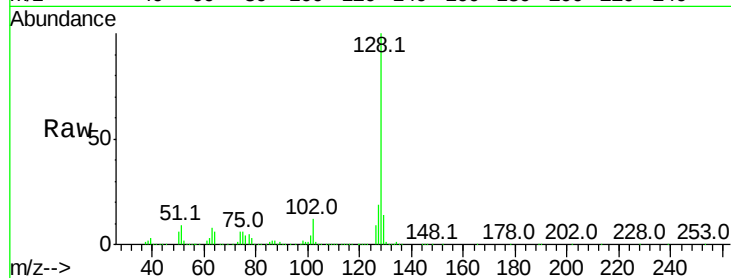
#31
Naphthalene
Concen: 6782.59 ng
RT: 8.34 min Scan# 591
Delta R.T. 0.17 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion:128 Resp:29361578
Ion Ratio Lower Upper
128 100
129 13.9 9.4 14.2
127 18.6 10.9 16.3#

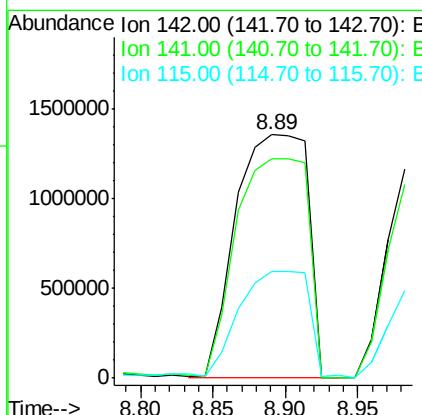
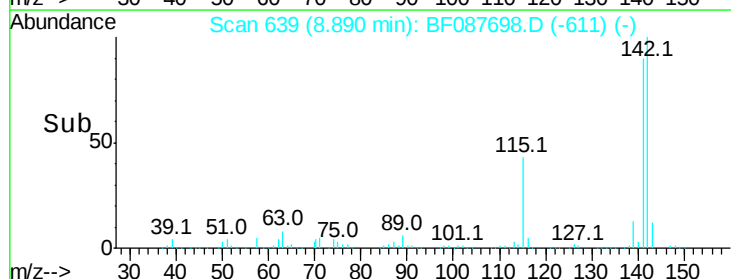
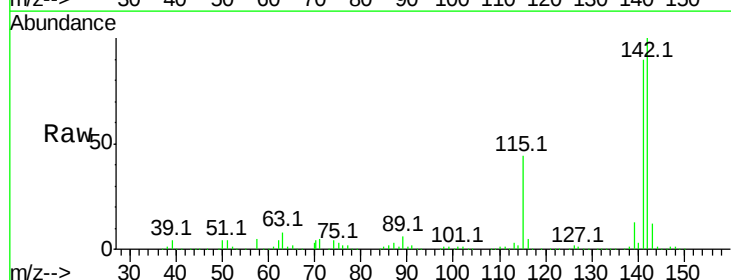
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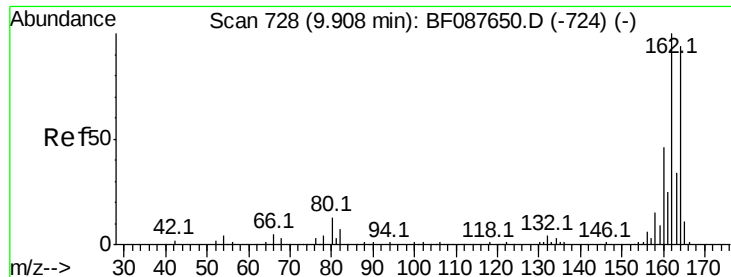
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#37
2-Methylnaphthalene
Concen: 1619.42 ng
RT: 8.89 min Scan# 639
Delta R.T. 0.02 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion:142 Resp: 4629431
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.6
115 43.7 22.6 33.8#





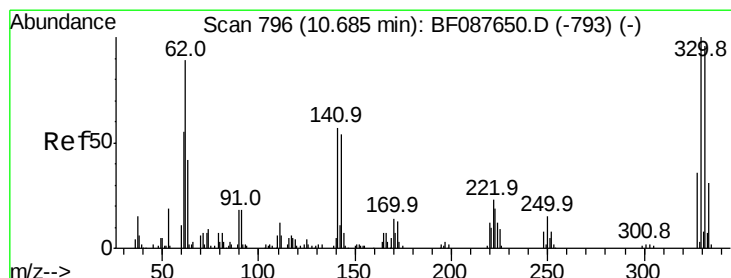
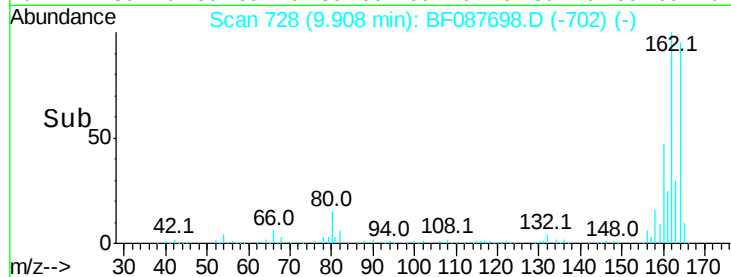
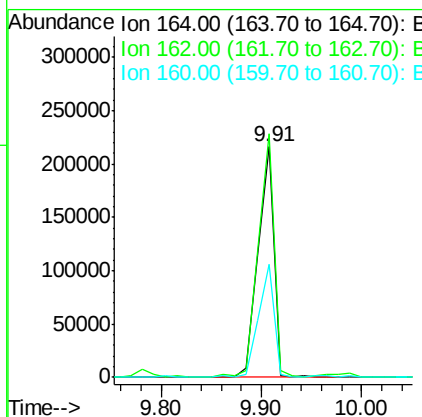
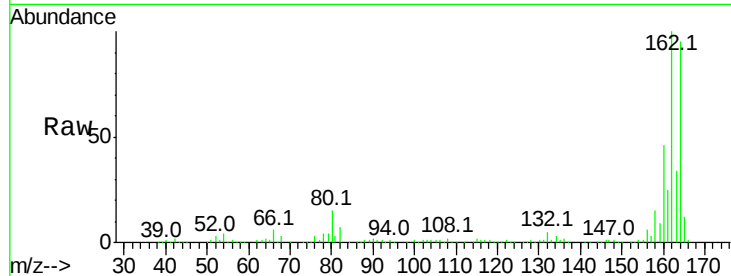
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	85.4	128.2	
160	49.0	39.5	59.3	

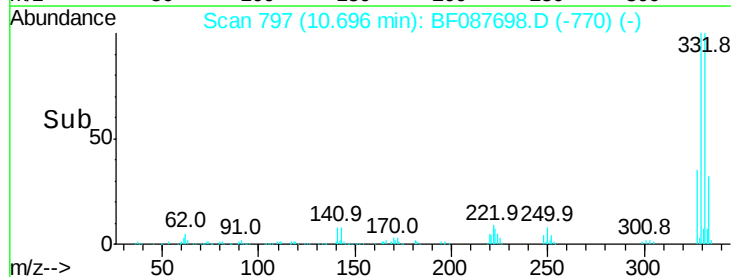
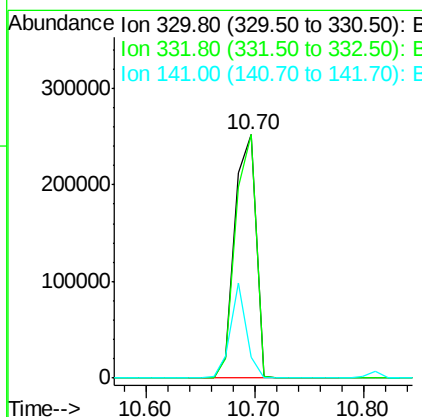
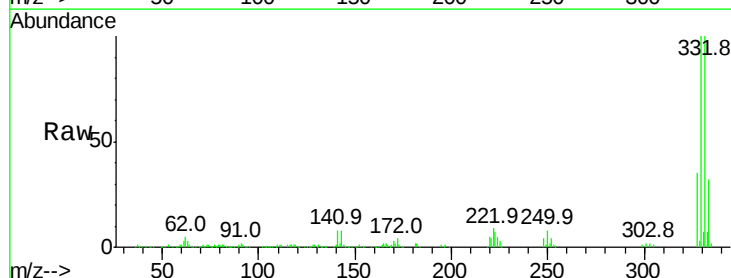
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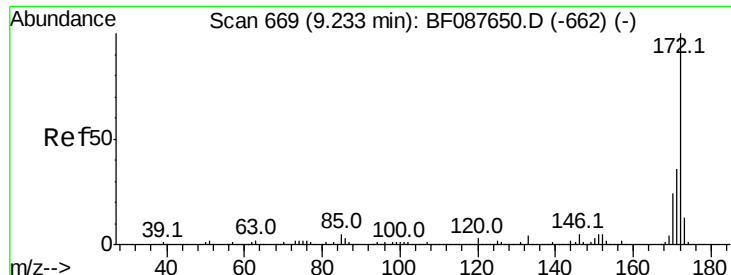
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#41
2,4,6-Tribromophenol
Concen: 142.32 ng
RT: 10.70 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	0.0	0.0#	
141	29.4	0.0	0.0#	





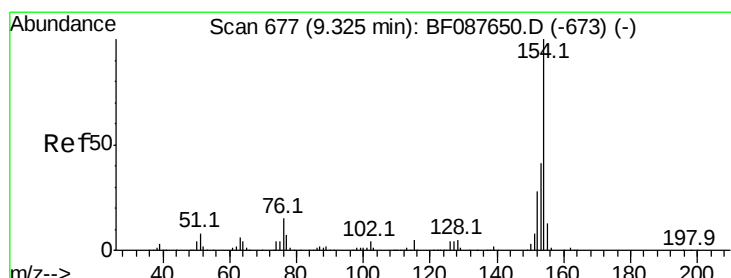
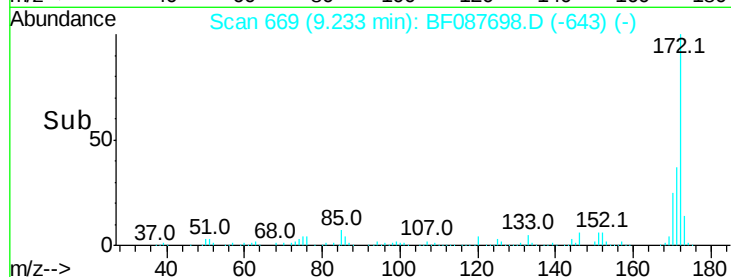
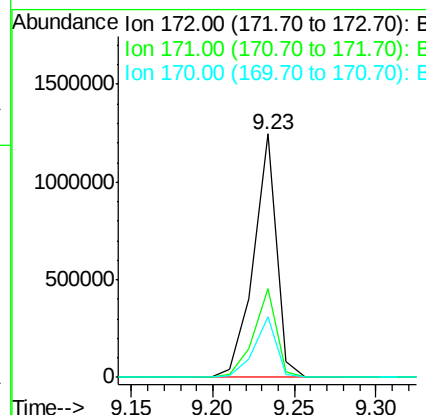
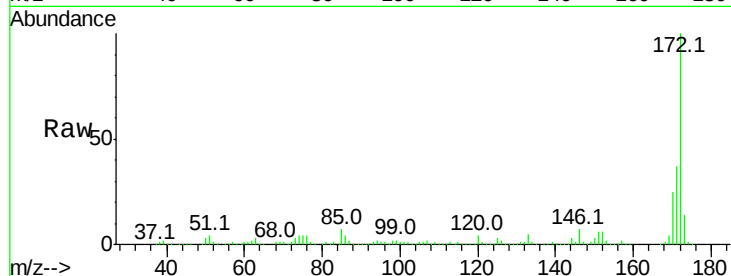
#44
2-Fluorobiphenyl
Concen: 76.44 ng
RT: 9.23 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampleId :
MW-11C

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	24.8	19.2	28.8

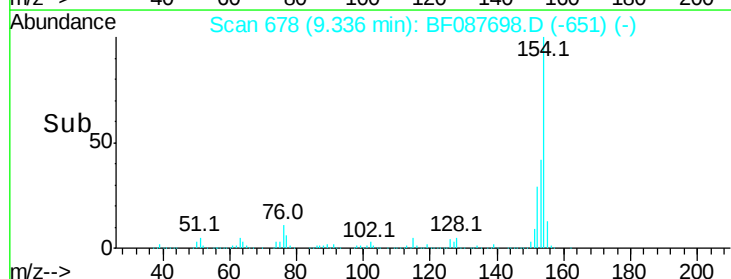
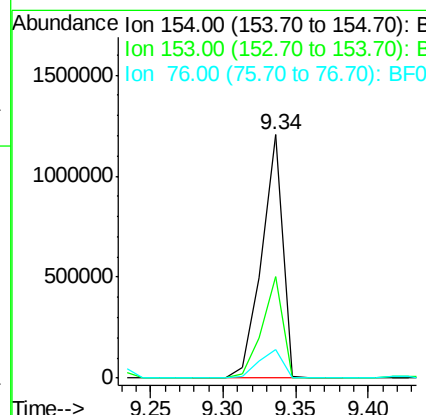
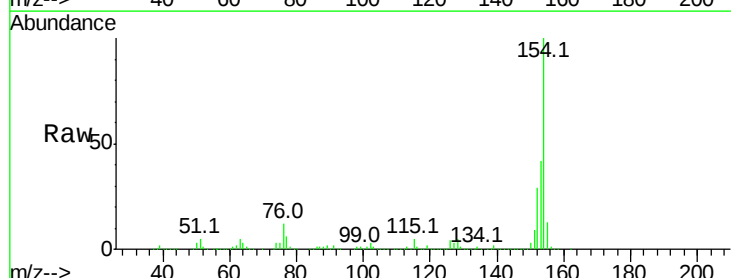
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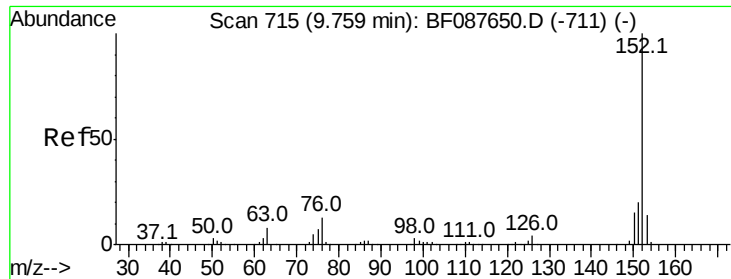
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#45
1,1'-Biphenyl
Concen: 63.12 ng
RT: 9.34 min Scan# 678
Delta R.T. 0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.7	20.6	60.6
76	11.5	0.0	35.1





#48

Acenaphthylene

Concen: 65.02 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Instrument :

BNA_F

ClientSampleId :

MW-11C

Tot Ion:152 Resp: 1545718

Ion Ratio Lower Upper

152 100

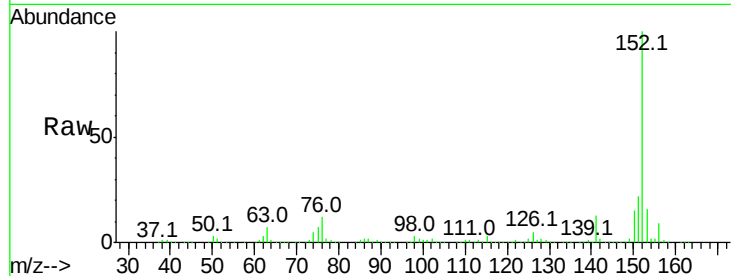
151 21.8 16.2 24.4

153 16.1 11.0 16.6

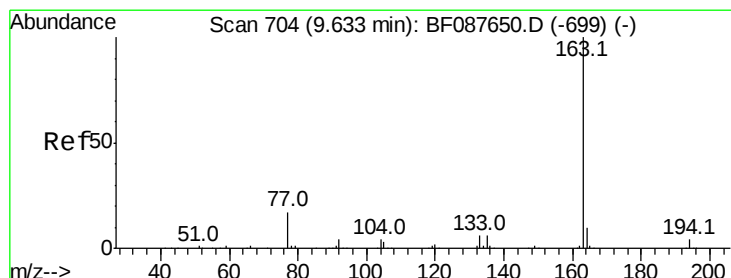
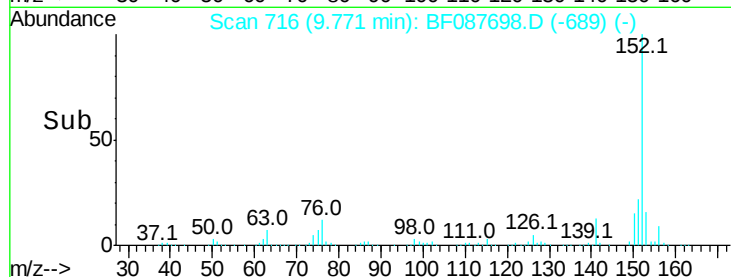
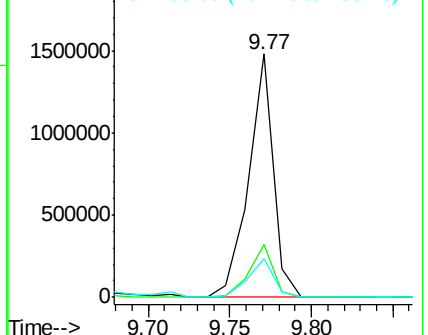
Manual Integrations
APPROVED

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 9.50 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

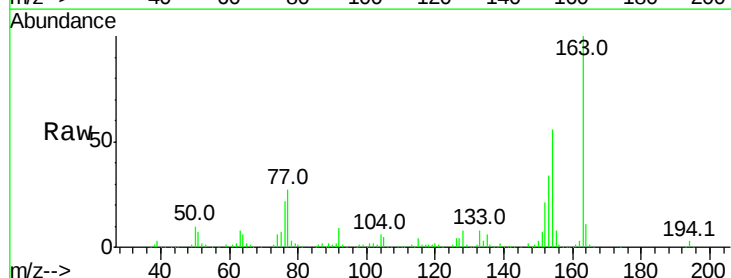
Tgt Ion:163 Resp: 162934

Ion Ratio Lower Upper

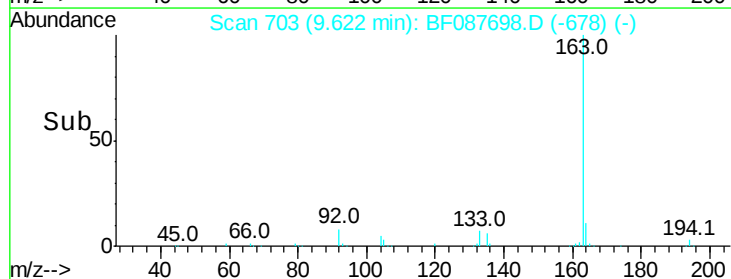
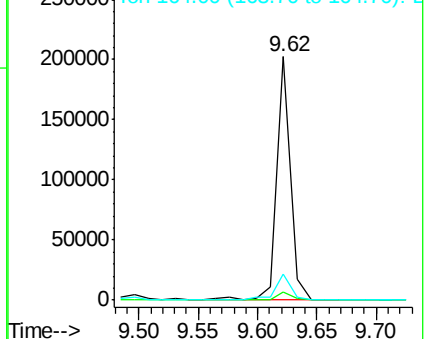
163 100

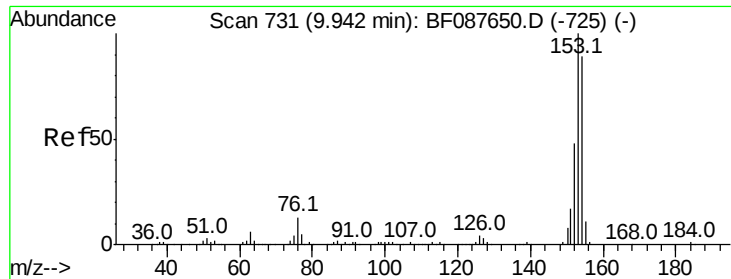
194 3.2 2.8 4.2

164 10.9 8.3 12.5



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: 18.35 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Instrument :

BNA_F

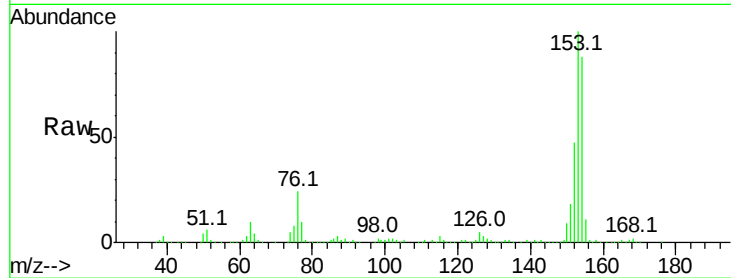
ClientSampleId :

MW-11C

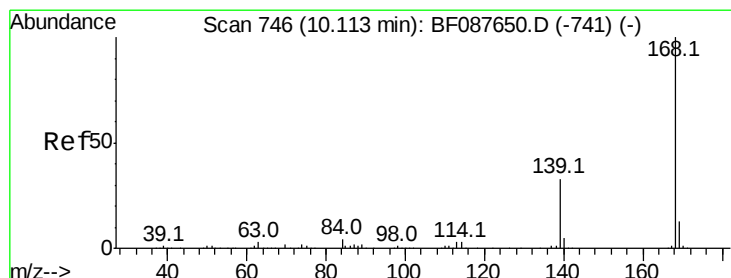
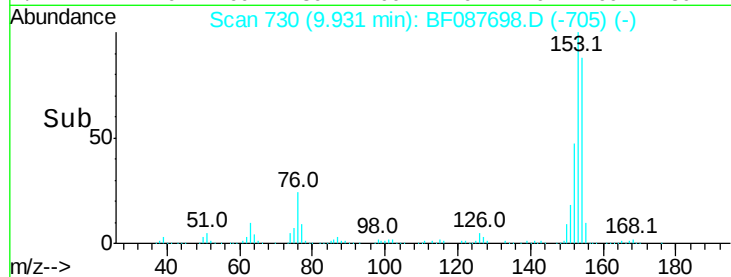
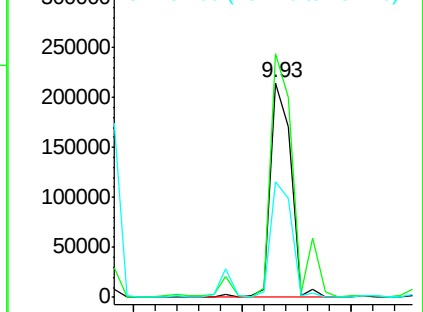
Tot Ion:	154	Resp:	280745
Ion Ratio	Lower	Upper	
154	100		
153	113.7	89.5	134.3
152	53.9	42.7	64.1

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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: 4.62 ng

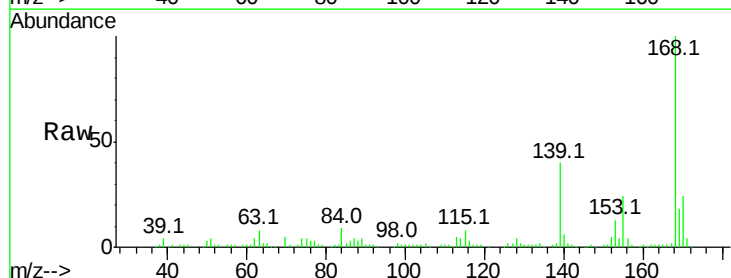
RT: 10.10 min Scan# 745

Delta R.T. -0.01 min

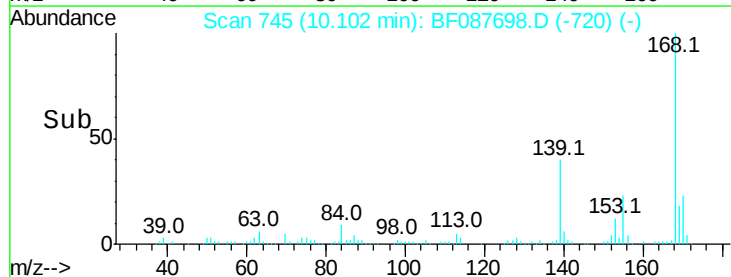
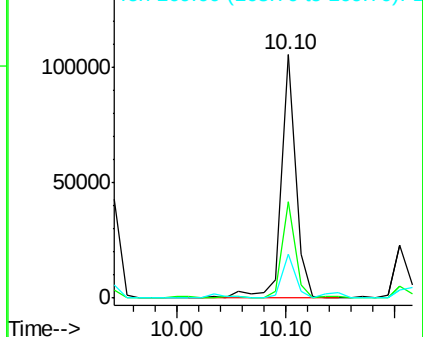
Lab File: BF087698.D

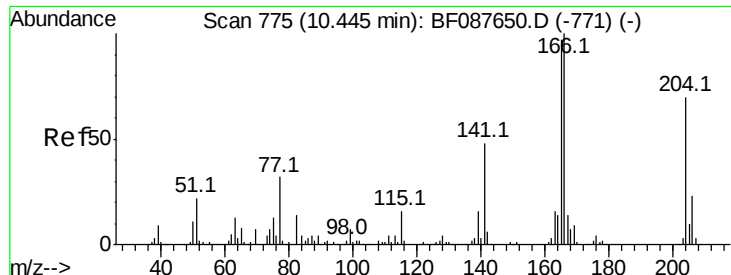
Acq: 5 Jun 2016 9:41

Tgt Ion:	168	Resp:	96187
Ion Ratio	Lower	Upper	
168	100		
139	39.7	26.4	39.6#
169	17.9	10.4	15.6#



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





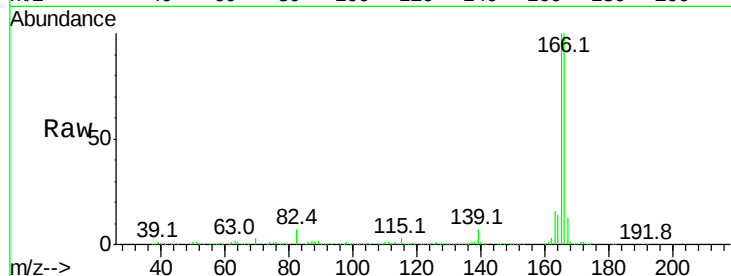
#57
Fluorene
 Concen: 51.52 ng
 RT: 10.46 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: BF087698.D
 Acq: 5 Jun 2016 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-11C

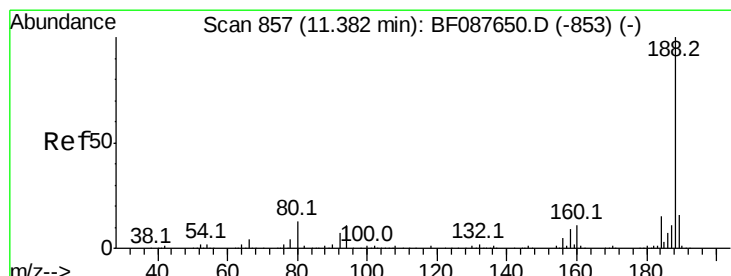
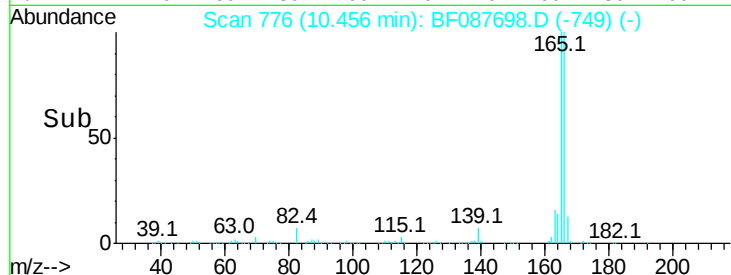
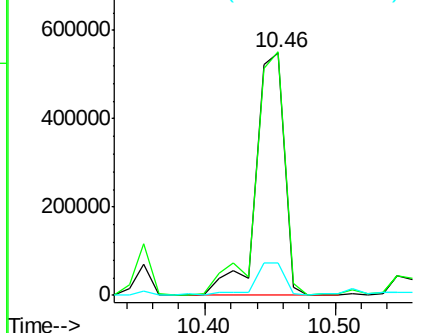
Tot Ion	Ratio	Resp	Lower	Upper
166	100	838703		
165	100.3		77.8	116.8
167	13.3		11.2	16.8

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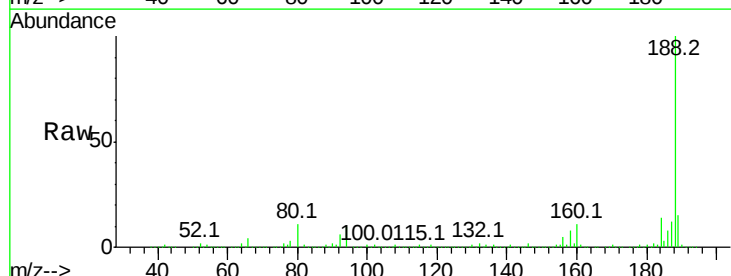


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

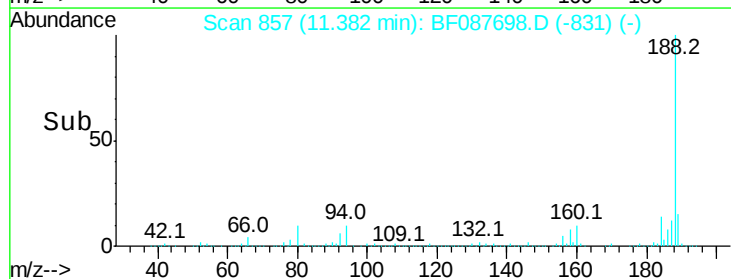
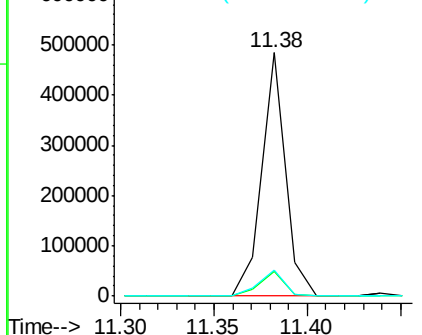


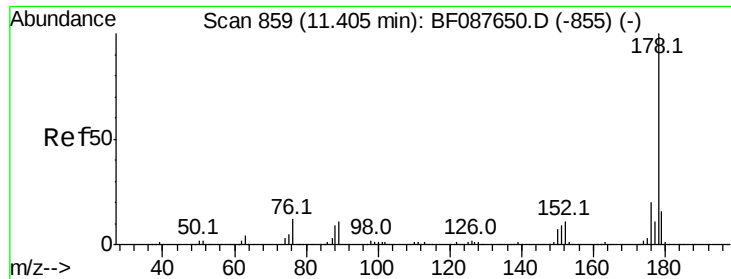
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087698.D
 Acq: 5 Jun 2016 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	434437		
94	10.1		9.0	13.6
80	10.8		10.0	15.0



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0





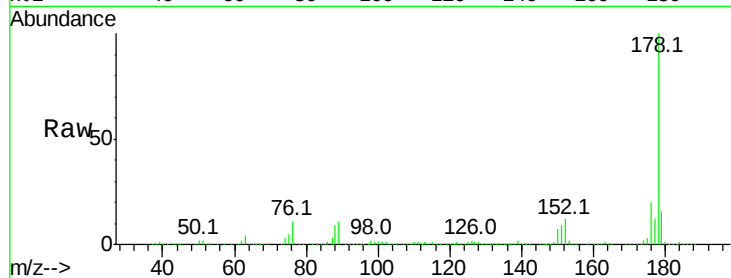
#70
Phenanthrene
Concen: 43.65 ng
RT: 11.41 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampleId :
MW-11C

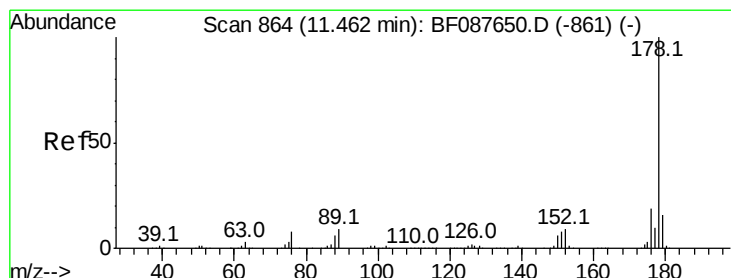
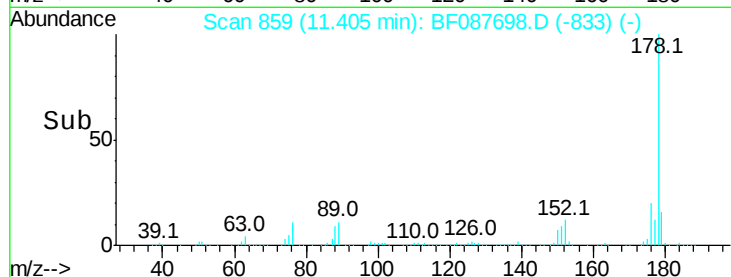
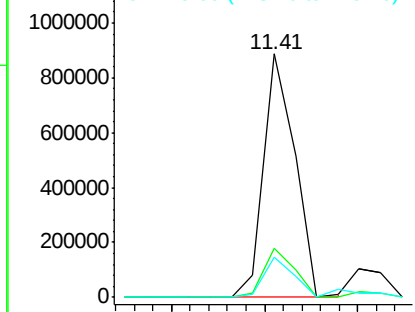
Tot Ion:178 Resp: 1028068
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.6
179 16.2 13.0 19.4

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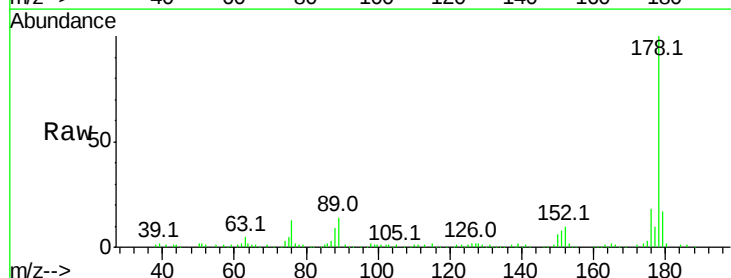


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

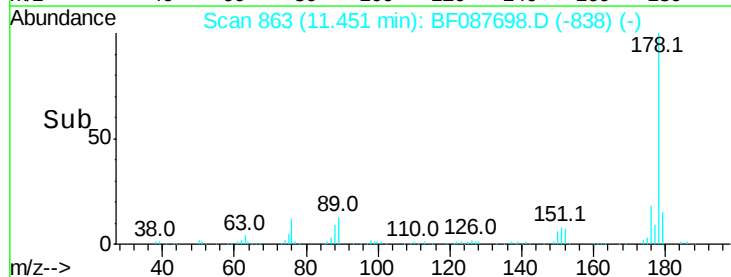
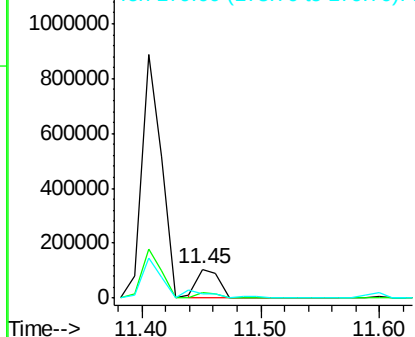


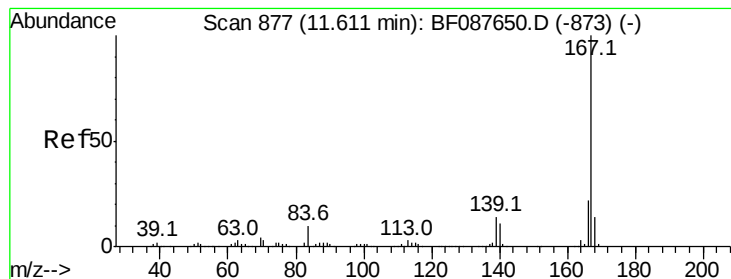
#71
Anthracene
Concen: 5.84 ng
RT: 11.45 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion:178 Resp: 137848
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 16.6 12.8 19.2



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: 9.66 ng

RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Instrument :

BNA_F

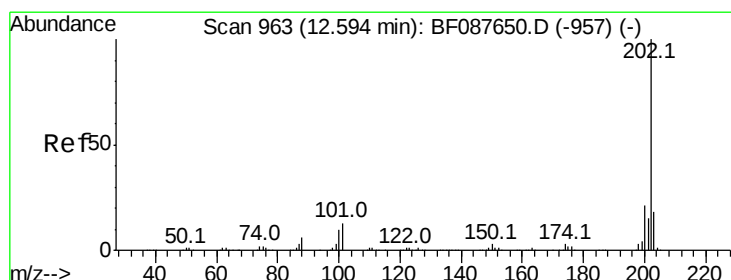
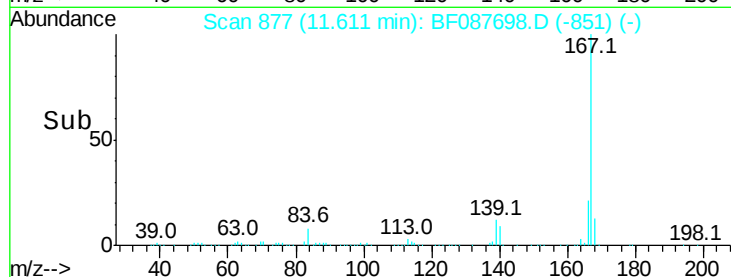
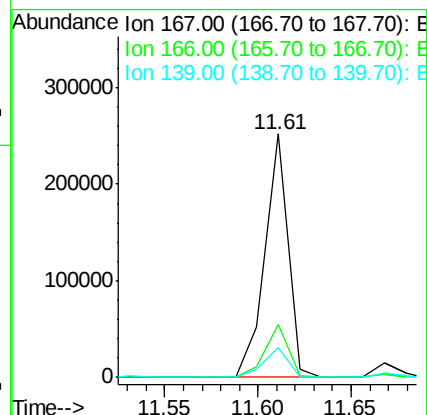
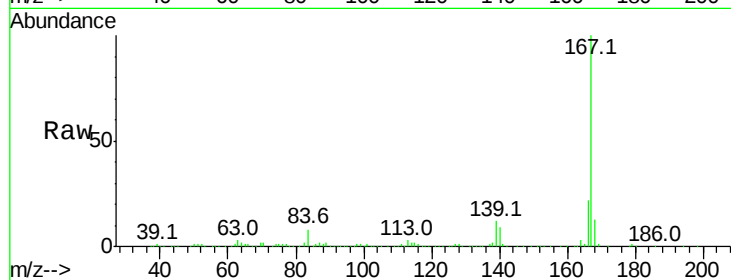
ClientSampleId :

MW-11C

Tot Ion:	167	Resp:	215922
Ion Ratio	Lower	Upper	
167	100		
166	21.7	17.8	26.6
139	12.2	11.2	16.8

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#74

Fluoranthene

Concen: 3.03 ng

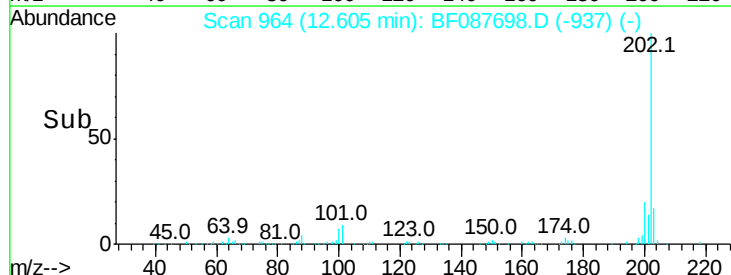
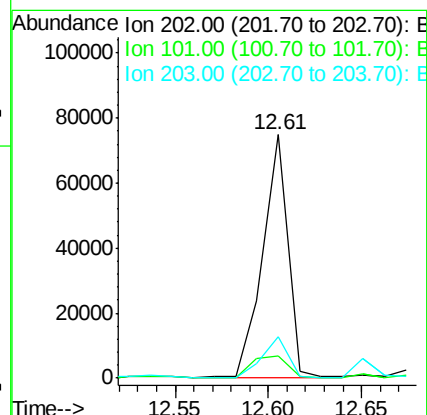
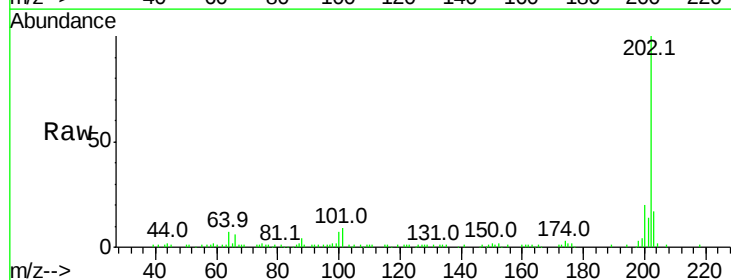
RT: 12.61 min Scan# 964

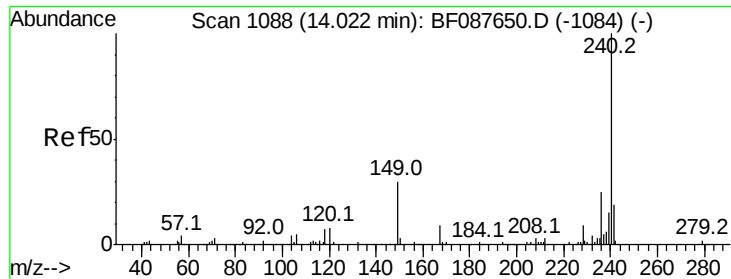
Delta R.T. 0.01 min

Lab File: BF087698.D

Acq: 5 Jun 2016 9:41

Tgt Ion:	202	Resp:	70179
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	33.1
203	17.0	0.0	38.1





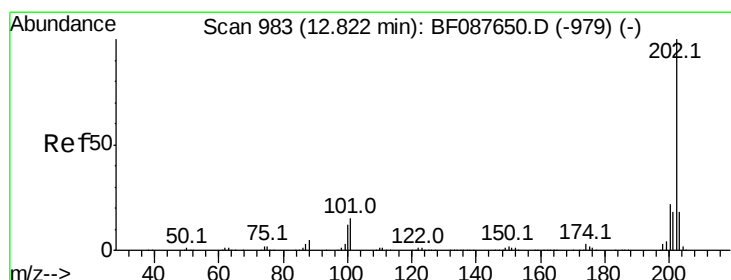
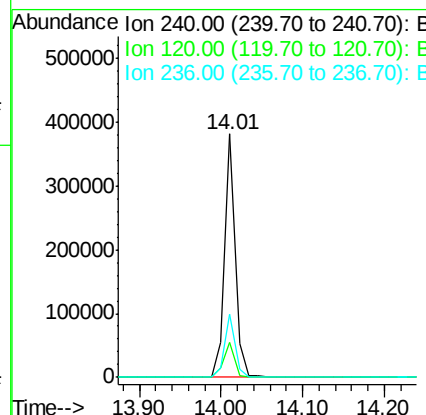
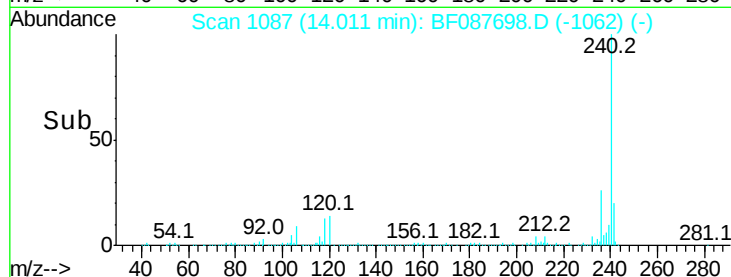
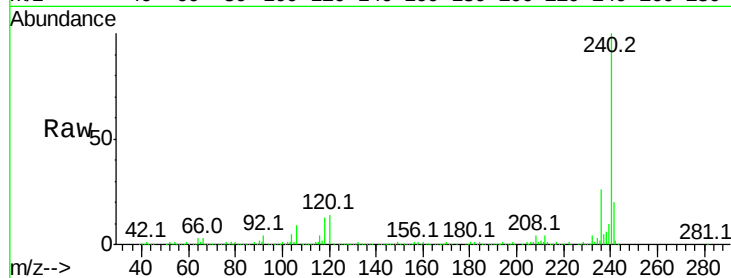
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Instrument :
BNA_F
ClientSampled :
MW-11C

Tot Ion:240 Resp: 342178
Ion Ratio Lower Upper
240 100
120 14.2 6.8 10.2#
236 25.7 20.2 30.2

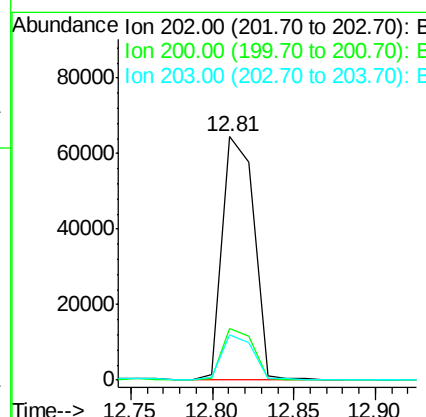
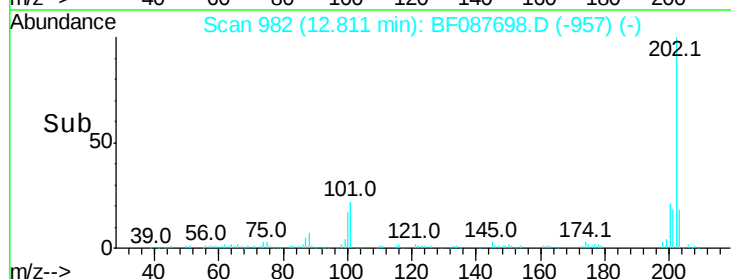
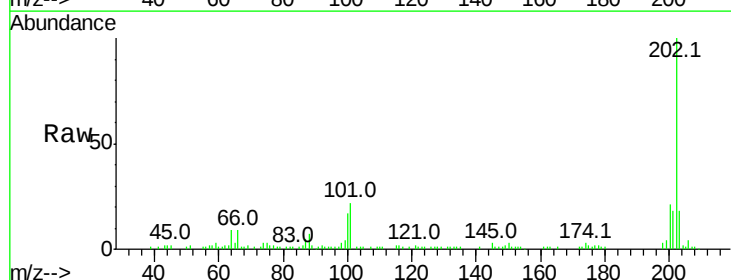
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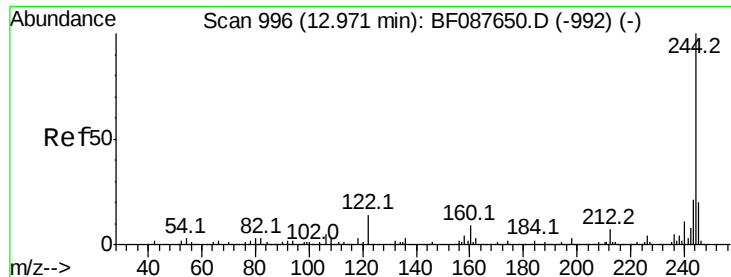
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#77
Pyrene
Concen: 3.54 ng
RT: 12.81 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF087698.D
Acq: 5 Jun 2016 9:41

Tgt Ion:202 Resp: 86244
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.4 14.5 21.7





#78
 Terphenyl-d14
 Concen: 79.75 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087698.D
 Acq: 5 Jun 2016 9:41

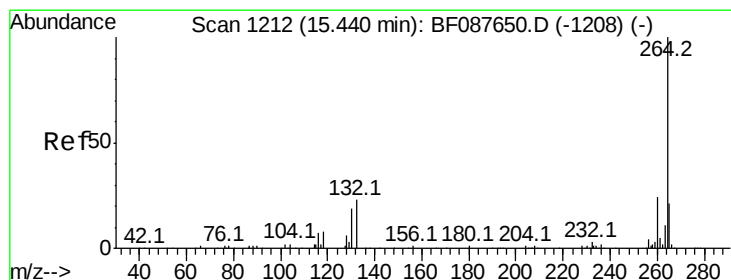
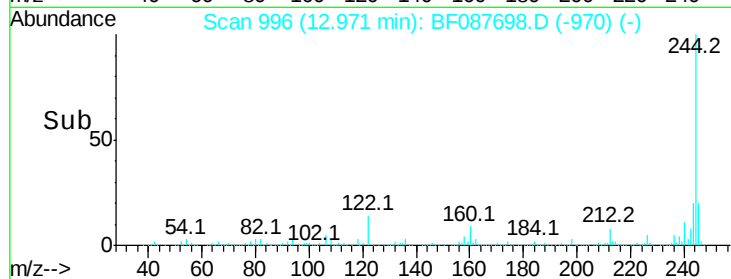
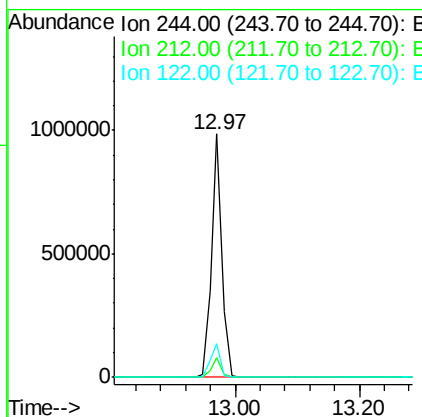
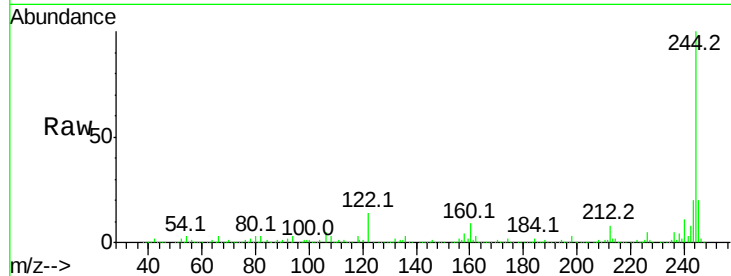
Instrument :
 BNA_F
 ClientSampled :
 MW-11C

Tot Ion:244 Resp: 1118389

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	14.1	11.2	16.8

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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087698.D
 Acq: 5 Jun 2016 9:41

Tgt Ion:264 Resp: 263697

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	16.9	25.3

