

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060416\
 Data File : BF087696.D
 Acq On : 5 Jun 2016 8:41
 Operator : UM/SJ
 Sample : H3345-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Quant Time: Jun 06 01:38:16 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

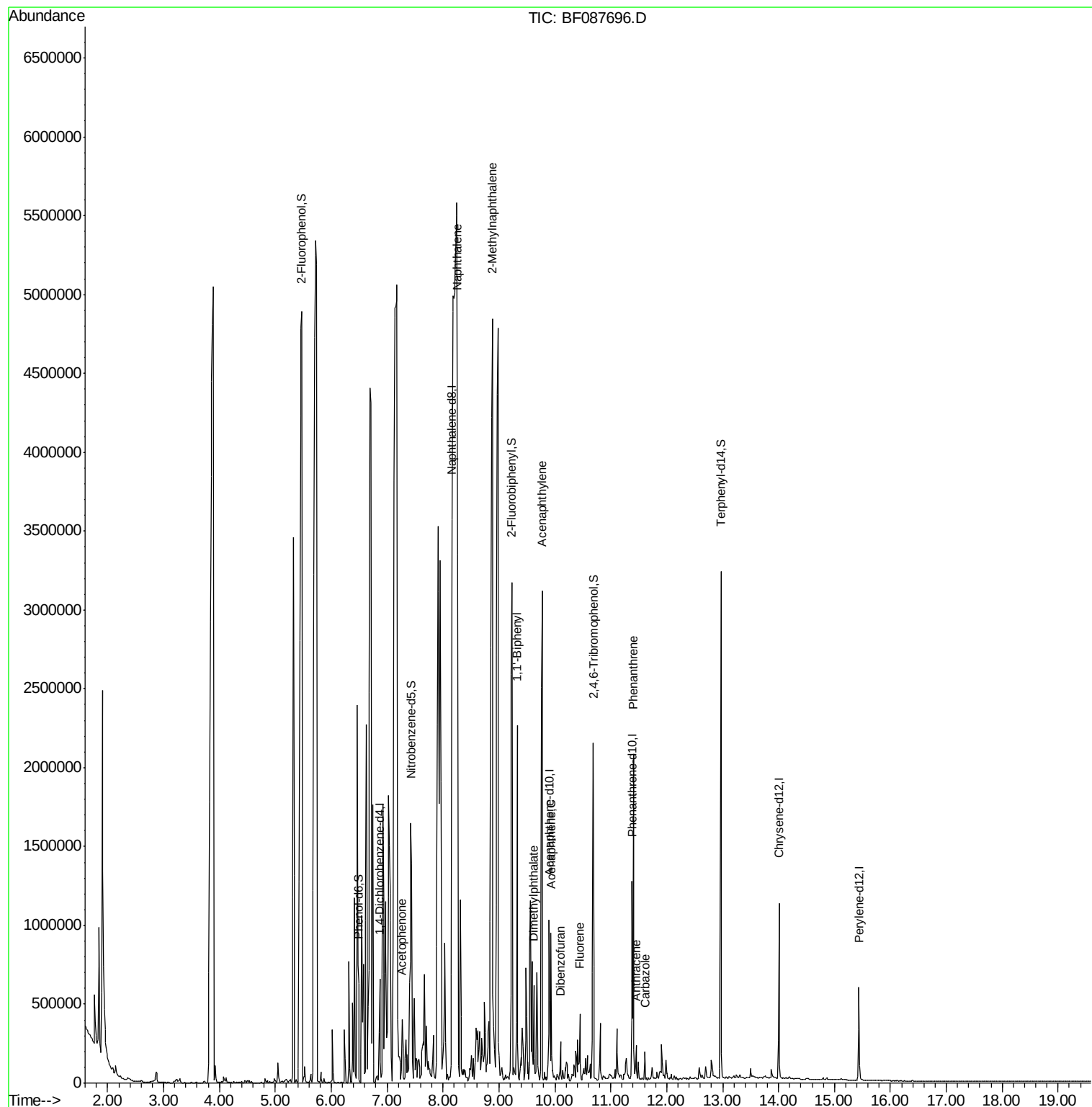
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	133770	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	183461	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	231073	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	454764	20.00	ng	0.00
75) Chrysene-d12	14.01	240	352922	20.00	ng	-0.01
86) Perylene-d12	15.44	264	266657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	308136	37.23	ng	0.01
7) Phenol-d6	6.49	99	390828	37.65	ng	0.00
23) Nitrobenzene-d5	7.43	82	811743	255.99	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	329609	142.10	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1482900	108.07	ng	0.00
78) Terphenyl-d14	12.97	244	1058159	73.16	ng	0.00
Target Compounds						
22) Acetophenone	7.27	105	131146	31.56	ng	# 89
31) Naphthalene	8.25	128	13739330	1540.28	ng	# 96
37) 2-Methylnaphthalene	8.88	142	2542503	431.63	ng	# 92
45) 1,1'-Biphenyl	9.32	154	678552	36.18	ng	99
48) Acenaphthylene	9.77	152	1841707	79.11	ng	98
49) Dimethylphthalate	9.62	163	105898	6.30	ng	100
51) Acenaphthene	9.93	154	182860	12.21	ng	99
54) Dibenzofuran	10.10	168	54997	2.70	ng	# 95
57) Fluorene	10.44	166	161157	10.11	ng	99
70) Phenanthrene	11.40	178	704396	28.57	ng	100
71) Anthracene	11.45	178	80246	3.25	ng	98
72) Carbazole	11.61	167	89770	3.84	ng	96

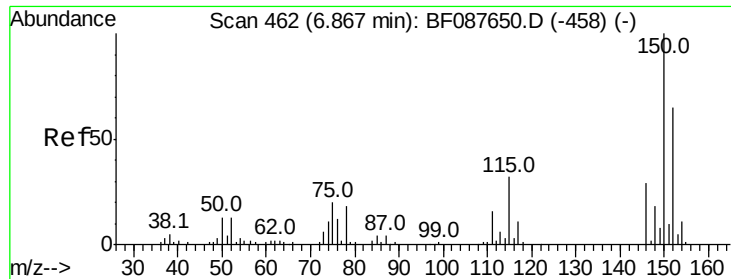
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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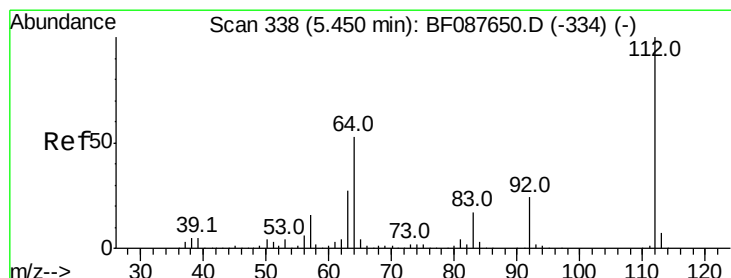
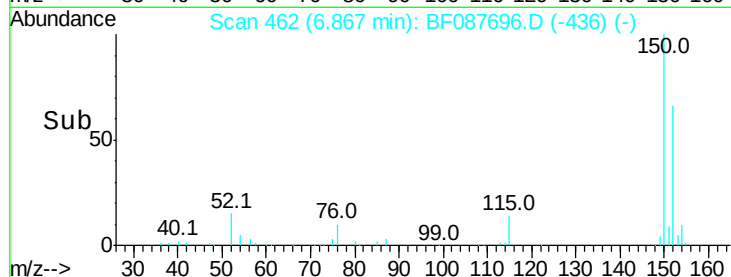
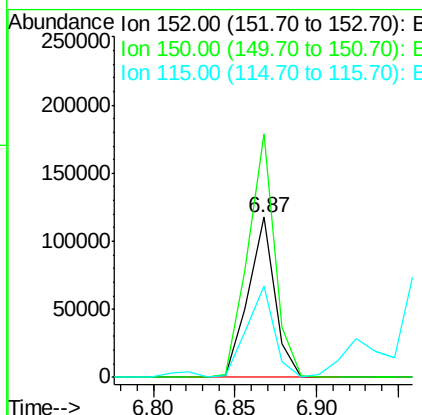
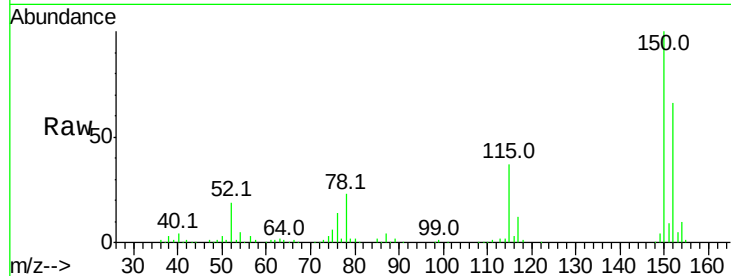


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 462
Delta R.T. -0.00 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Instrument :
BNA_F
ClientSampleId :
MW-16

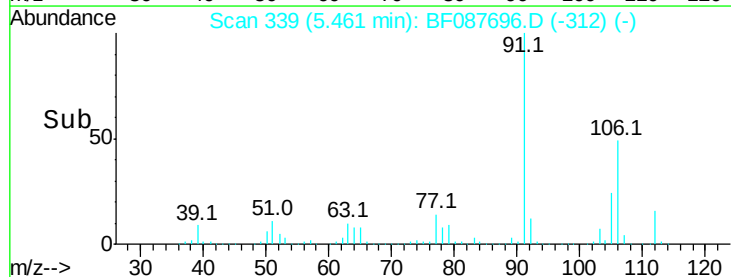
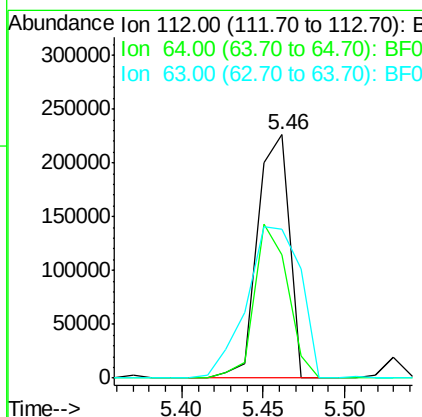
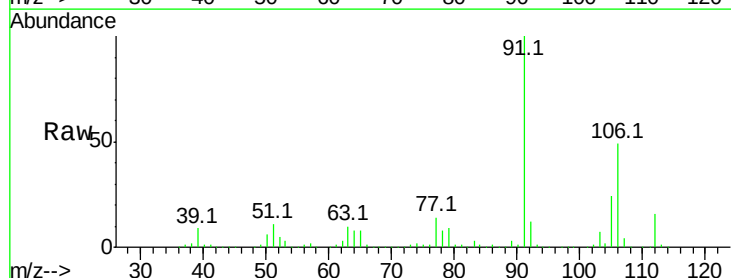
Tot Ion:152 Resp: 133770
Ion Ratio Lower Upper
152 100
150 152.3 123.8 185.6
115 56.8 39.6 59.4

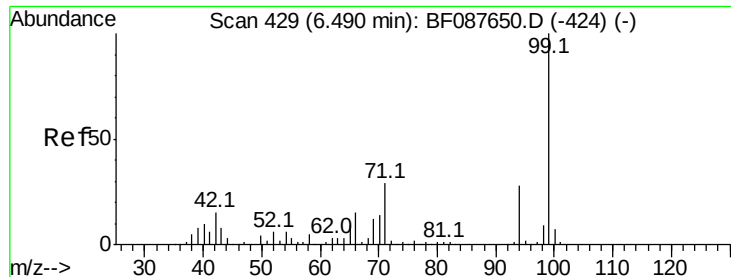


#5

2-Fluorophenol
Concen: 37.23 ng
RT: 5.46 min Scan# 339
Delta R.T. 0.01 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Tgt Ion:112 Resp: 308136
Ion Ratio Lower Upper
112 100
64 50.5 42.2 63.2
63 61.2 21.8 32.8#





#7

Phenol-d6

Concen: 37.65 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

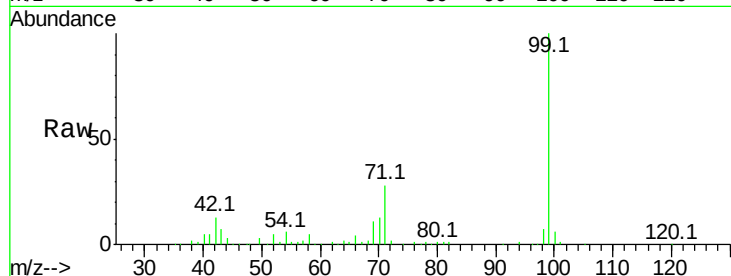
Tot Ion: 99 Resp: 390828

Ion Ratio Lower Upper

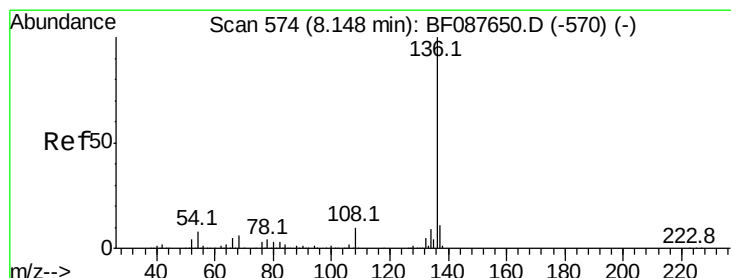
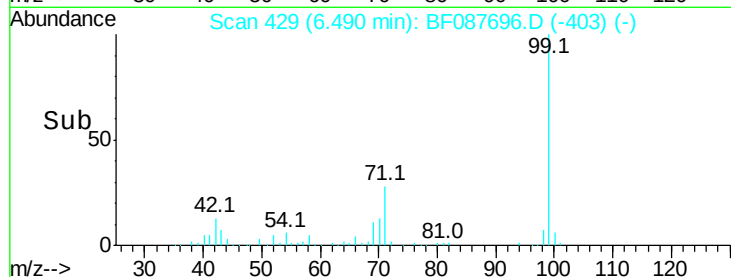
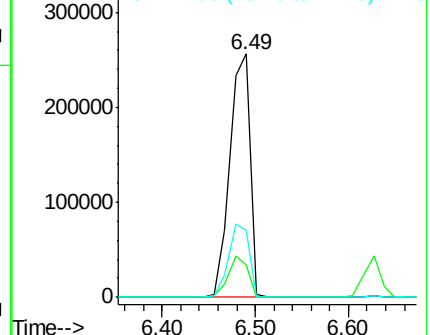
99 100

42 13.3 12.2 18.2

71 27.5 23.4 35.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Tgt Ion: 136 Resp: 183461

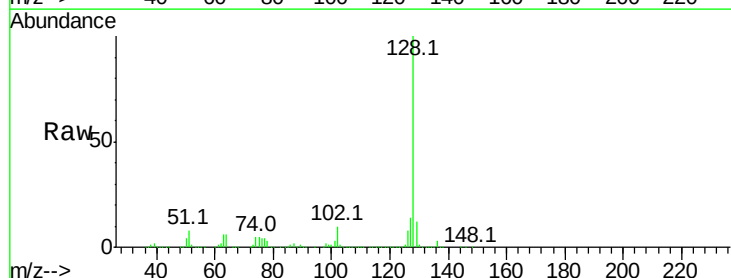
Ion Ratio Lower Upper

136 100

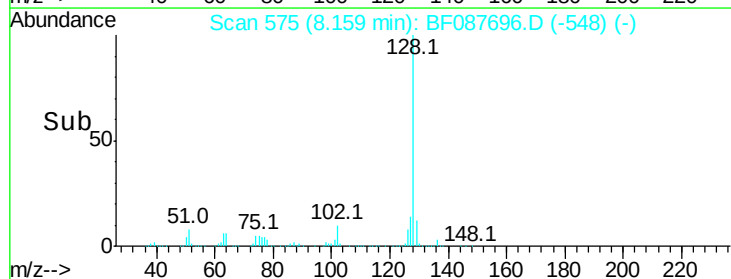
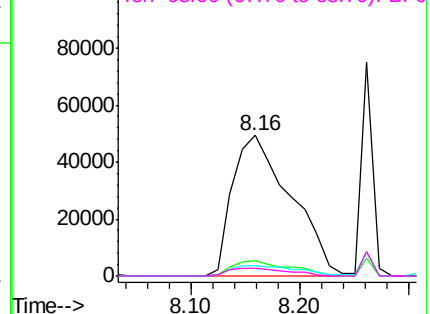
137 11.3 9.1 13.7

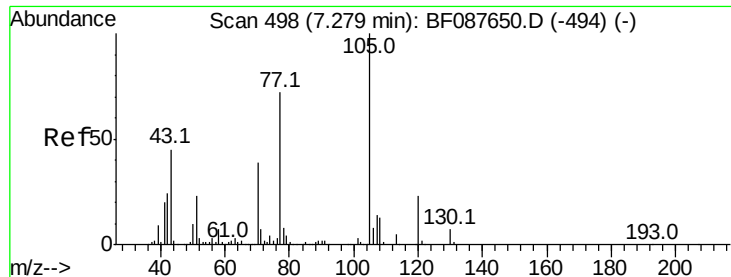
54 7.4 6.6 10.0

68 5.8 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

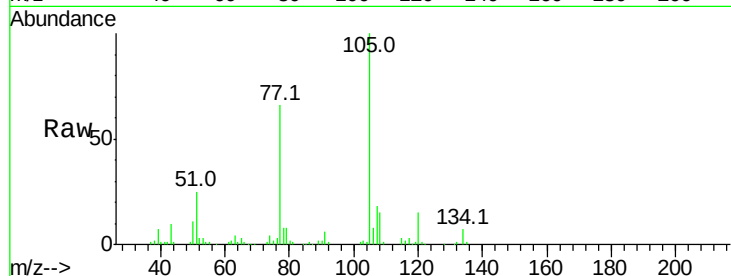




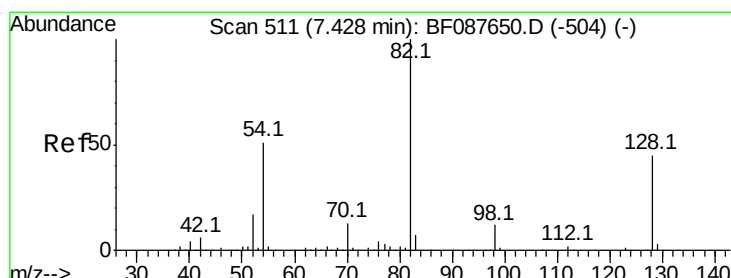
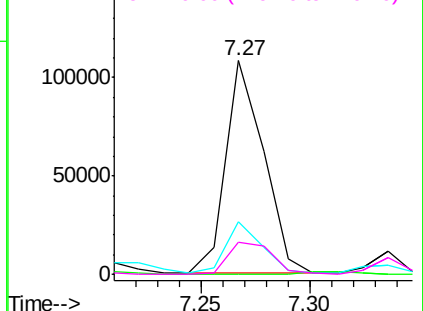
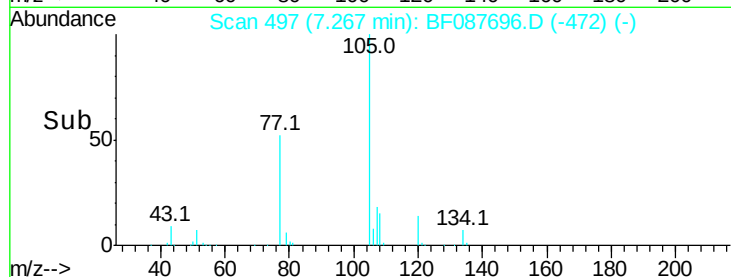
#22
Acetophenone
Concen: 31.56 ng
RT: 7.27 min Scan# 497
Delta R.T. -0.01 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Instrument :
BNA_F
ClientSampleId :
MW-16

Tot Ion:105 Resp: 131146
Ion Ratio Lower Upper
105 100
71 0.0 5.3 7.9#
51 24.8 18.2 27.4
120 14.9 18.0 27.0#

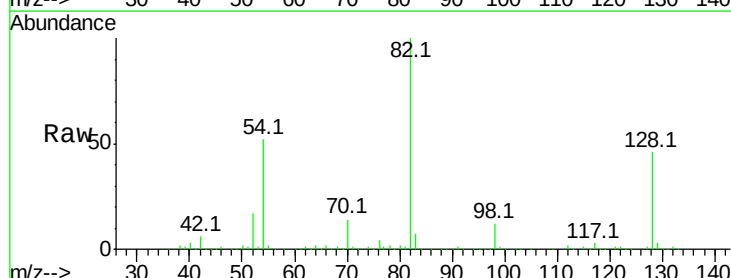


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

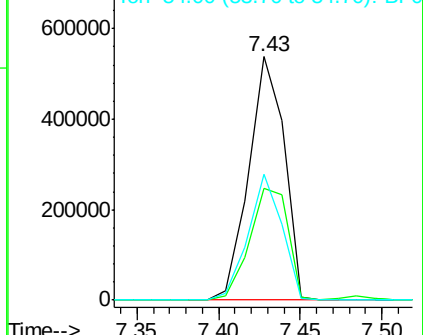
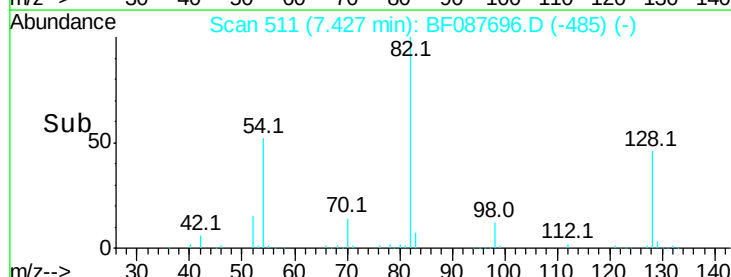


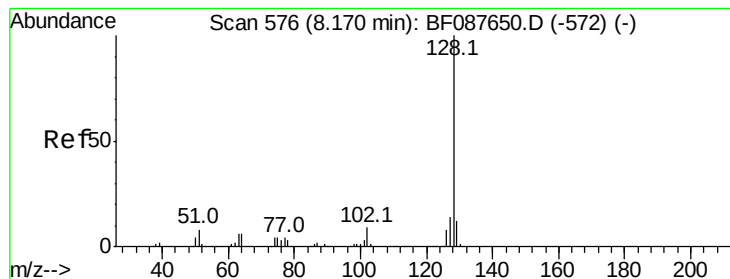
#23
Nitrobenzene-d5
Concen: 255.99 ng
RT: 7.43 min Scan# 511
Delta R.T. -0.00 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Tgt Ion: 82 Resp: 811743
Ion Ratio Lower Upper
82 100
128 45.7 35.9 53.9
54 51.6 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: 1540.28 ng

RT: 8.25 min Scan# 583

Delta R.T. 0.08 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

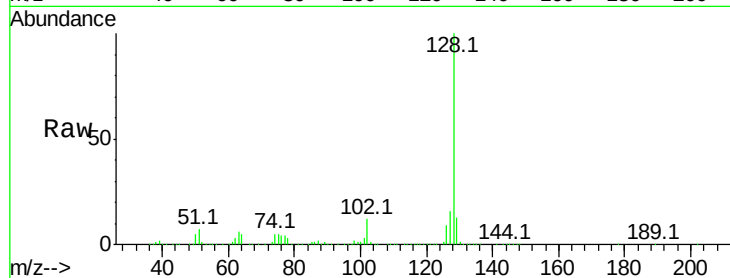
Tot Ion:128 Resp:13739330

Ion Ratio Lower Upper

128 100

129 12.5 9.4 14.2

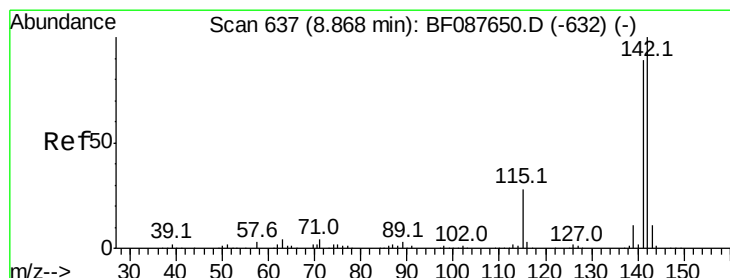
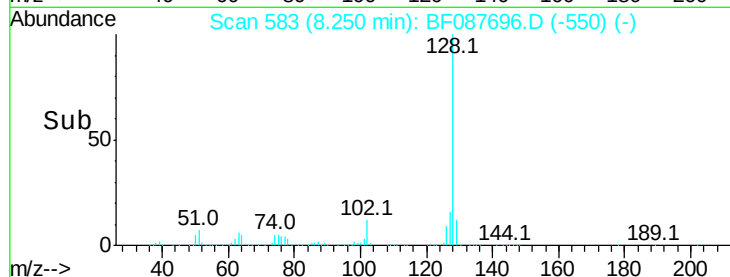
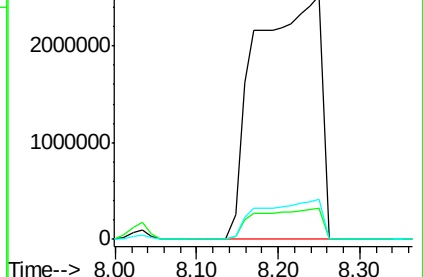
127 16.3 10.9 16.3#



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



#37

2-Methylnaphthalene

Concen: 431.63 ng

RT: 8.88 min Scan# 638

Delta R.T. 0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

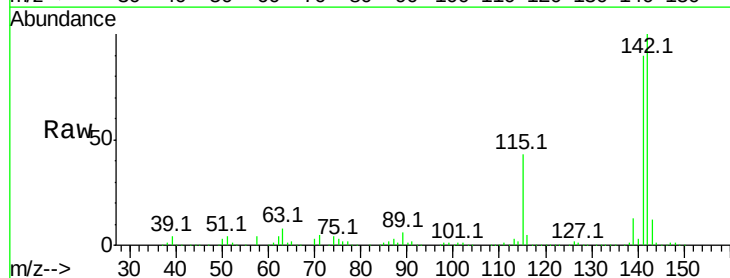
Tgt Ion:142 Resp: 2542503

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6

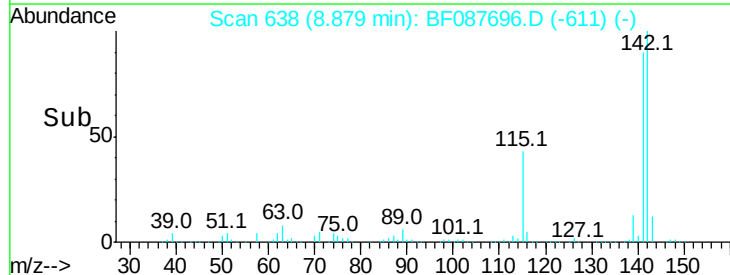
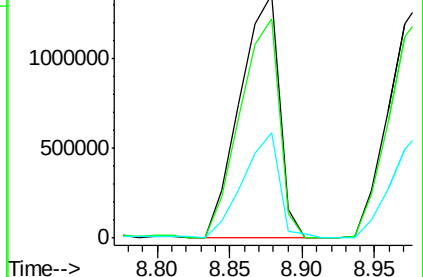
115 43.4 22.6 33.8#

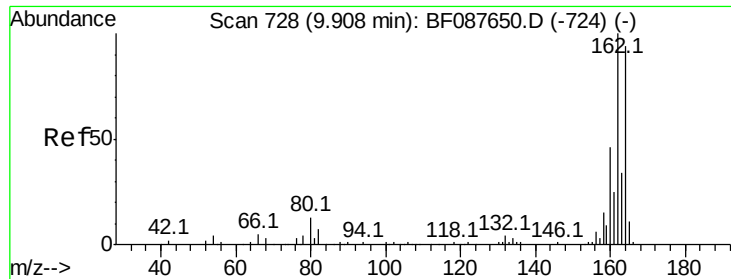


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

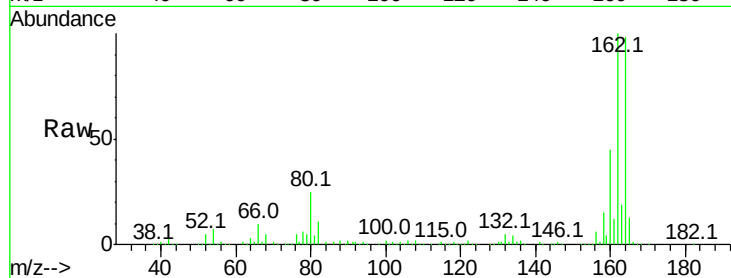




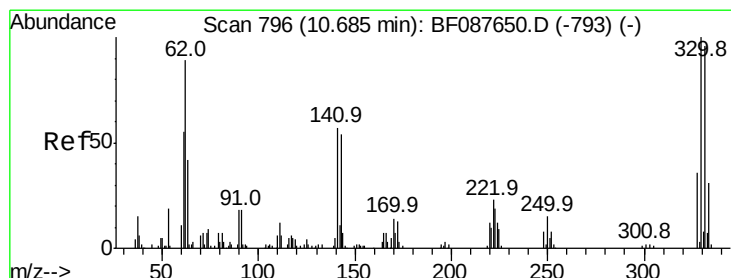
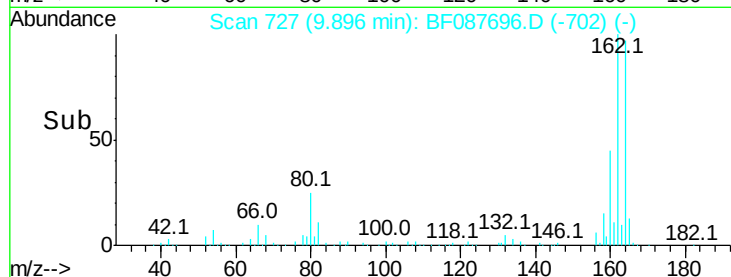
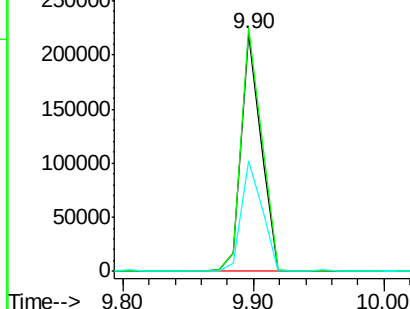
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Instrument :
BNA_F
ClientSampleId :
MW-16

Tot Ion:164 Resp: 231073
Ion Ratio Lower Upper
164 100
162 102.5 85.4 128.2
160 46.4 39.5 59.3

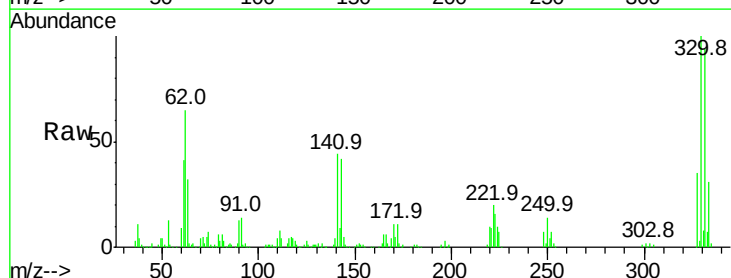


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

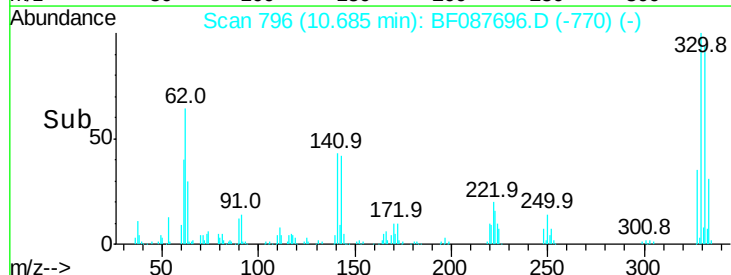
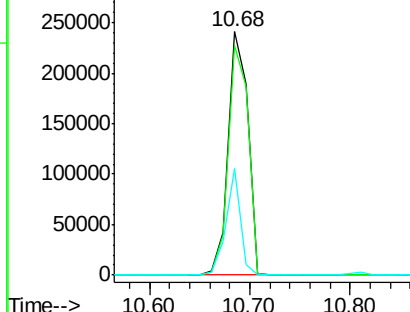


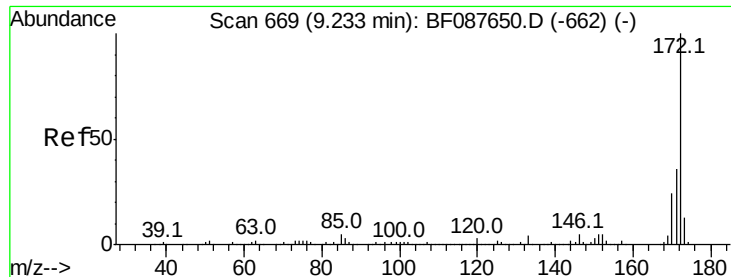
#41
2,4,6-Tribromophenol
Concen: 142.10 ng
RT: 10.68 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF087696.D
Acq: 5 Jun 2016 8:41

Tgt Ion:330 Resp: 329609
Ion Ratio Lower Upper
330 100
332 95.9 0.0 0.0#
141 32.1 0.0 0.0#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



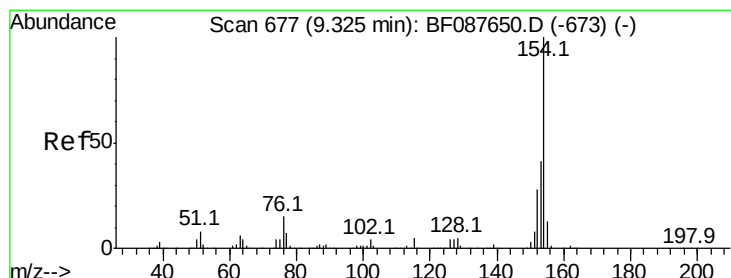
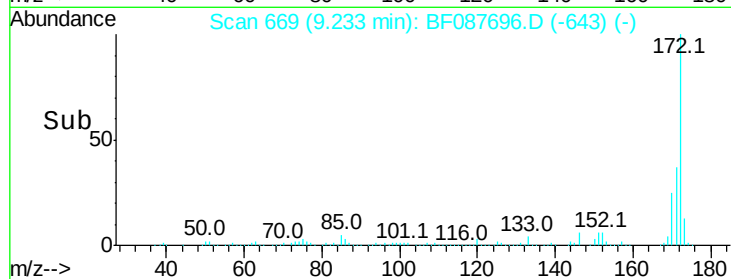
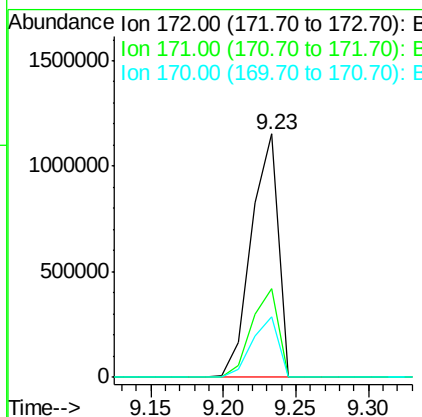
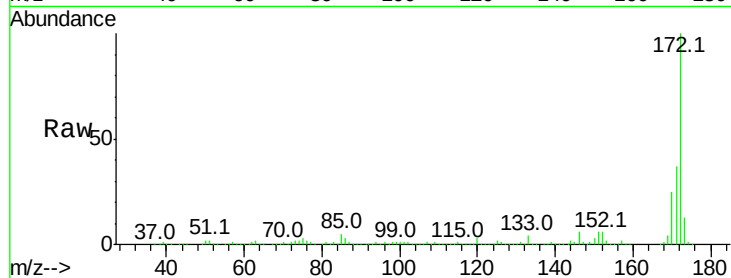


#44
 2-Fluorobiphenyl
 Concen: 108.07 ng
 RT: 9.23 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF087696.D
 Acq: 5 Jun 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Tot Ion:172 Resp: 1482900

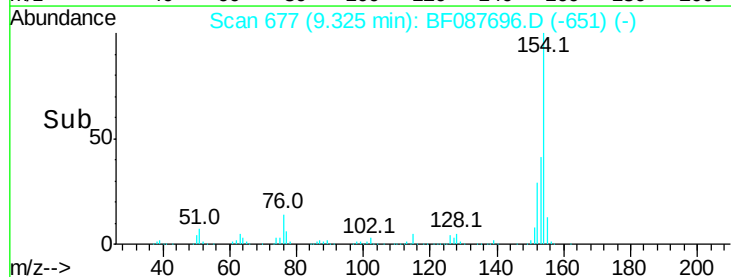
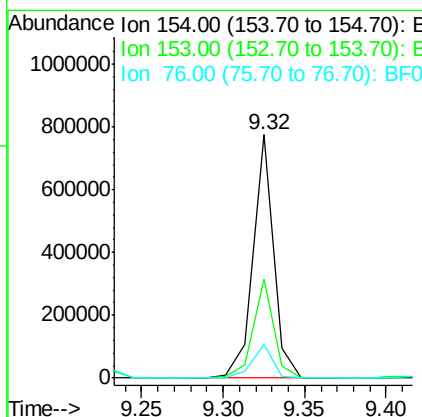
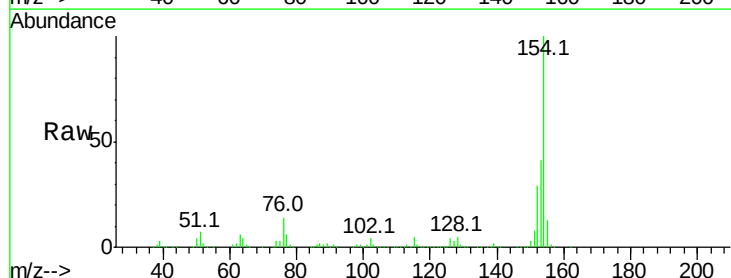
Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.6	43.0
170	24.7	19.2	28.8

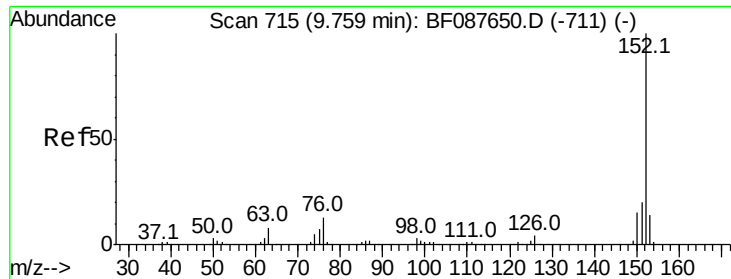


#45
 1,1'-Biphenyl
 Concen: 36.18 ng
 RT: 9.32 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF087696.D
 Acq: 5 Jun 2016 8:41

Tgt Ion:154 Resp: 678552

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	13.9	0.0	35.1





#48

Acenaphthylene

Concen: 79.11 ng

RT: 9.77 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

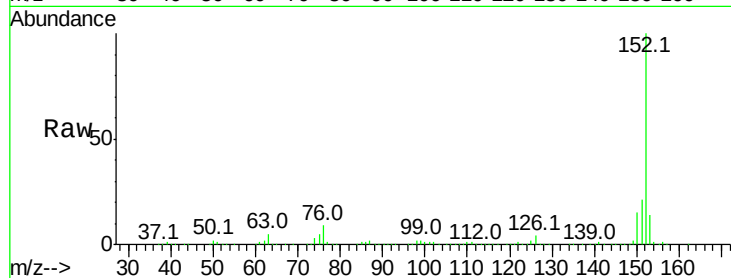
BNA_F

ClientSampleId :

MW-16

Tot Ion:152 Resp: 1841707

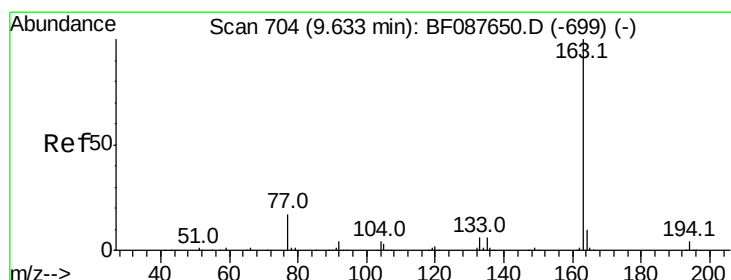
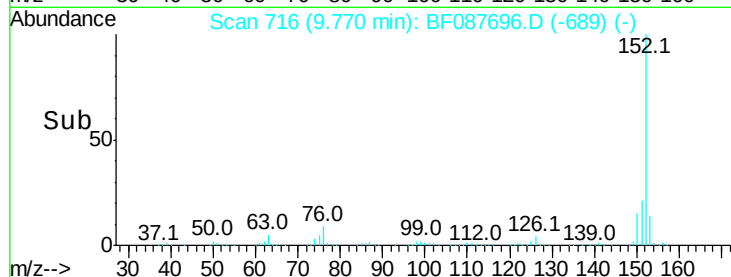
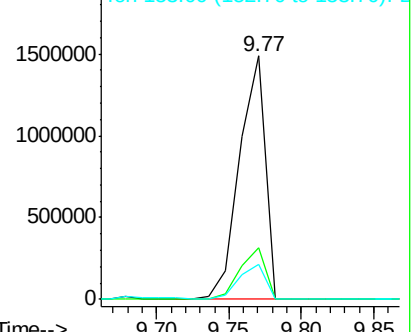
Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.4
153	14.2	11.0	16.6



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: 6.30 ng

RT: 9.62 min Scan# 703

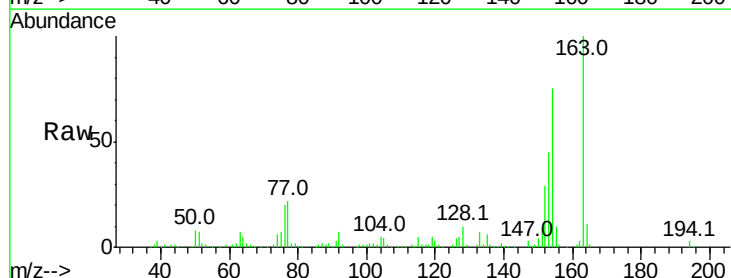
Delta R.T. -0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Tgt Ion:163 Resp: 105898

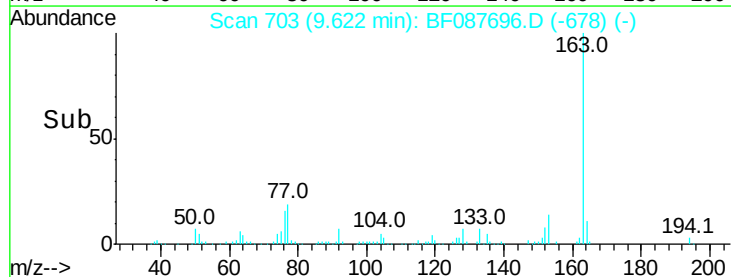
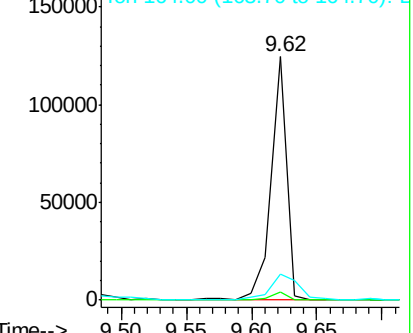
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.6	8.3	12.5

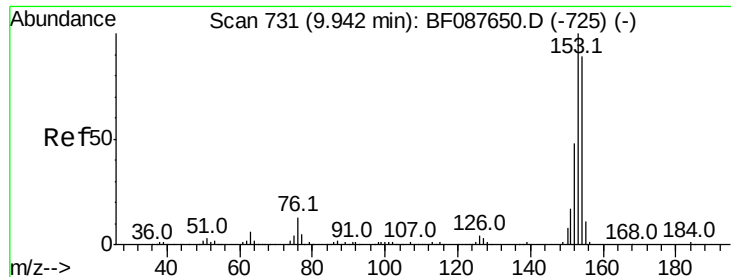


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 12.21 ng

RT: 9.93 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

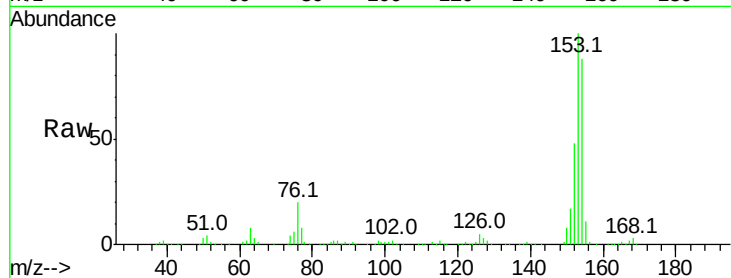
Tot Ion:154 Resp: 182860

Ion Ratio Lower Upper

154 100

153 113.5 89.5 134.3

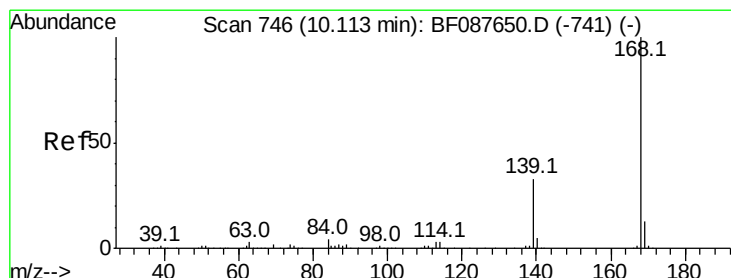
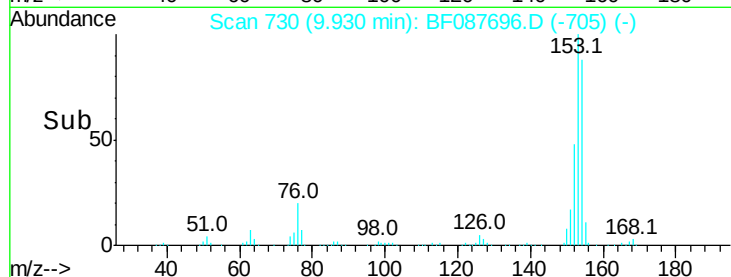
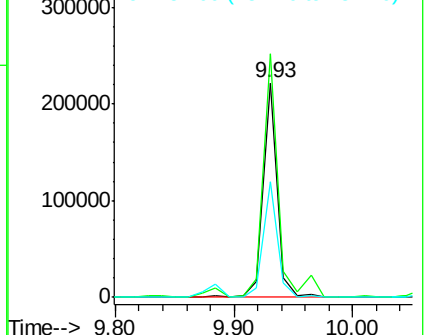
152 54.0 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.70 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

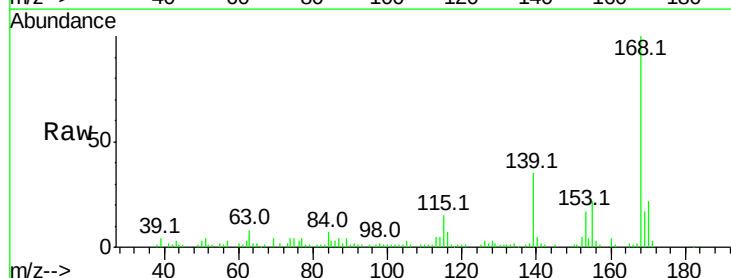
Tgt Ion:168 Resp: 54997

Ion Ratio Lower Upper

168 100

139 34.9 26.4 39.6

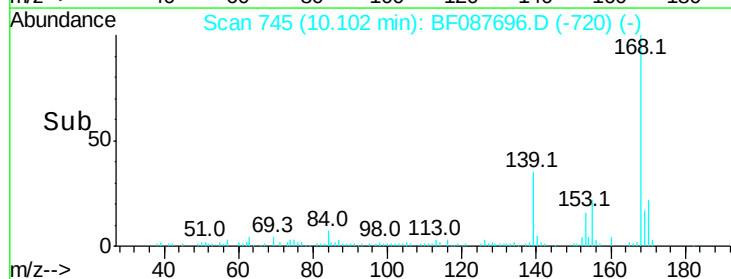
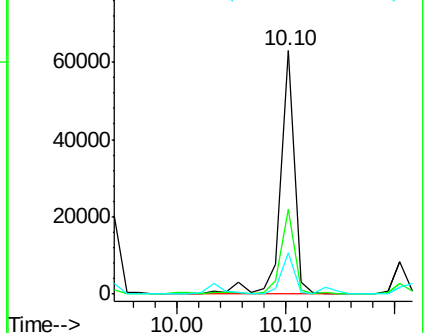
169 17.1 10.4 15.6#

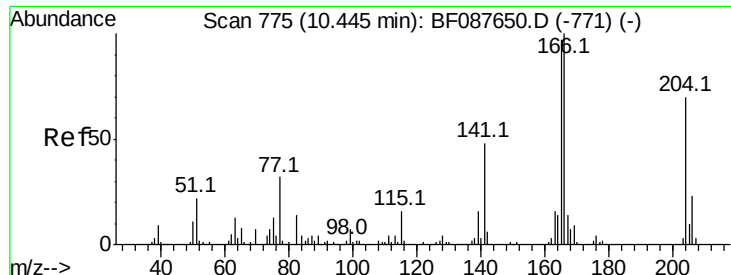


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 10.11 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

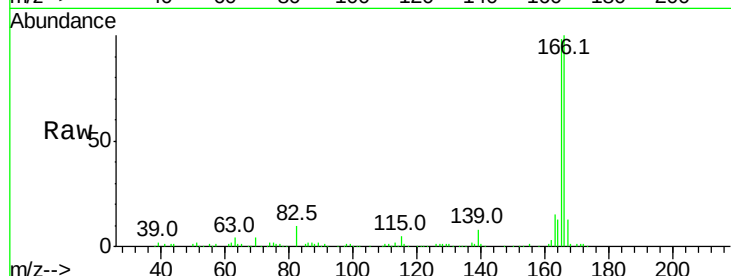
Tot Ion:166 Resp: 161157

Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.8

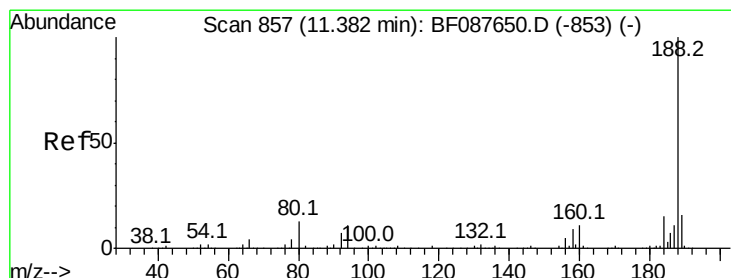
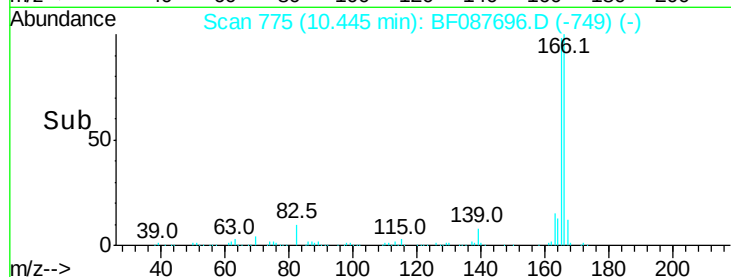
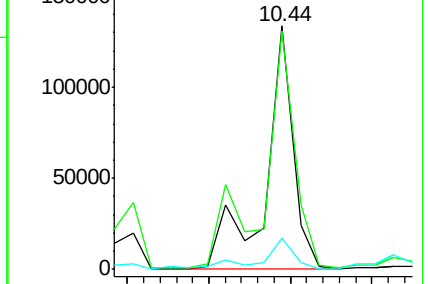
167 13.0 11.2 16.8



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: BF087696.D

Acq: 5 Jun 2016 8:41

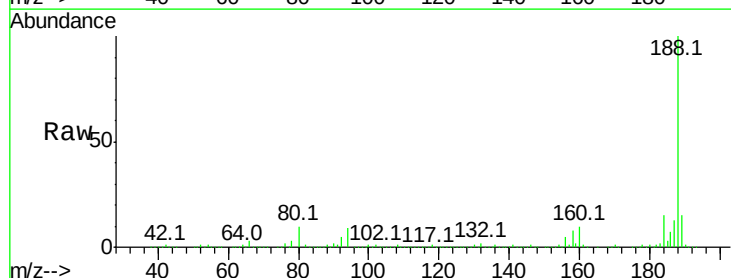
Tgt Ion:188 Resp: 454764

Ion Ratio Lower Upper

188 100

94 9.2 9.0 13.6

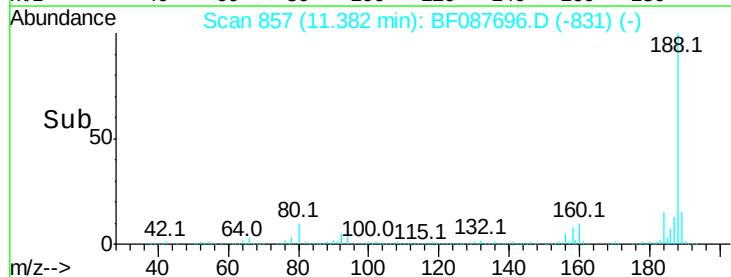
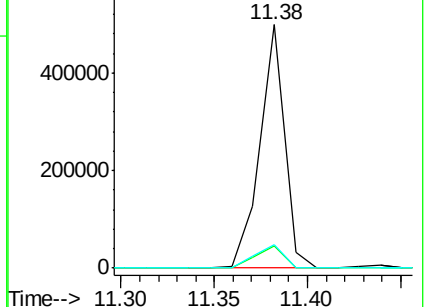
80 9.7 10.0 15.0#

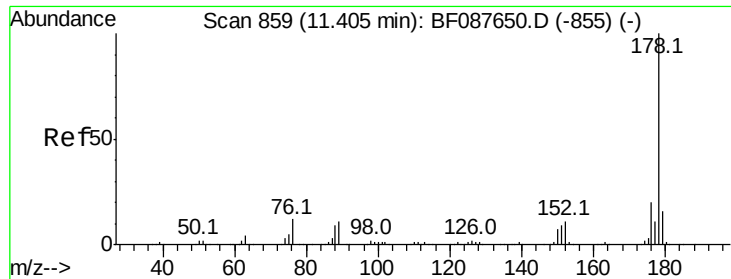


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 28.57 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

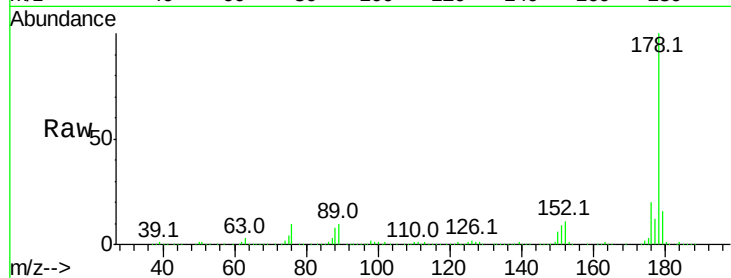
Tot Ion:178 Resp: 704396

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.6

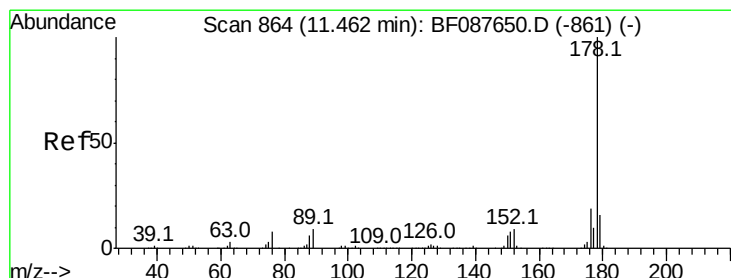
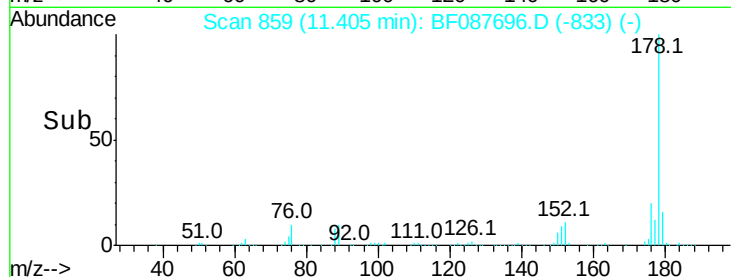
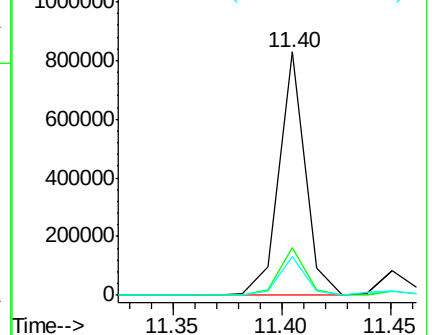
179 15.9 13.0 19.4



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: 3.25 ng

RT: 11.45 min Scan# 863

Delta R.T. -0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

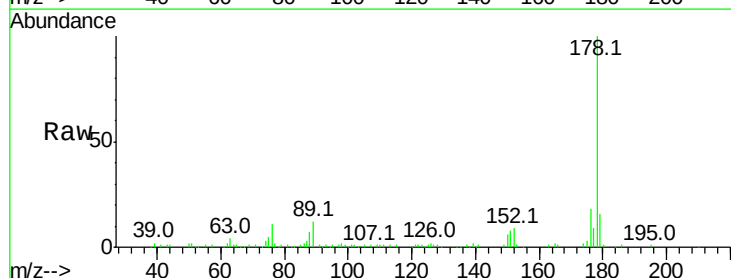
Tgt Ion:178 Resp: 80246

Ion Ratio Lower Upper

178 100

176 17.7 15.6 23.4

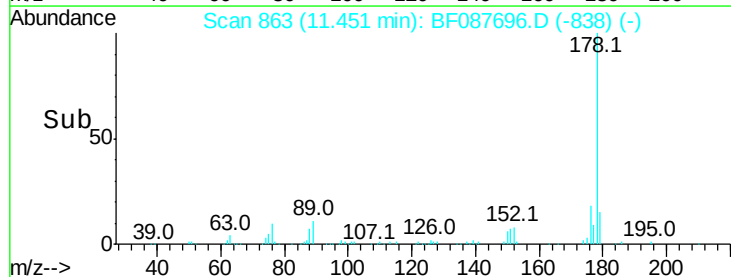
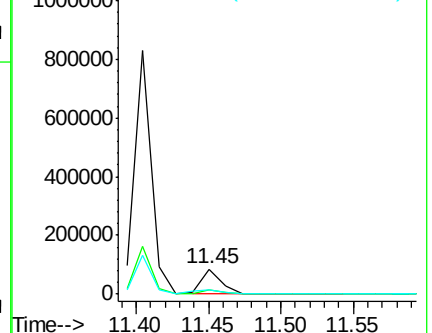
179 15.9 12.8 19.2

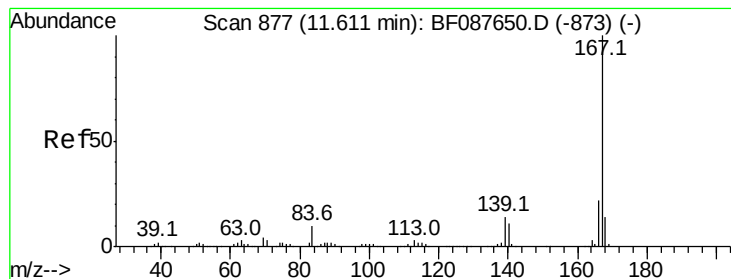


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.84 ng

RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

Instrument :

BNA_F

ClientSampleId :

MW-16

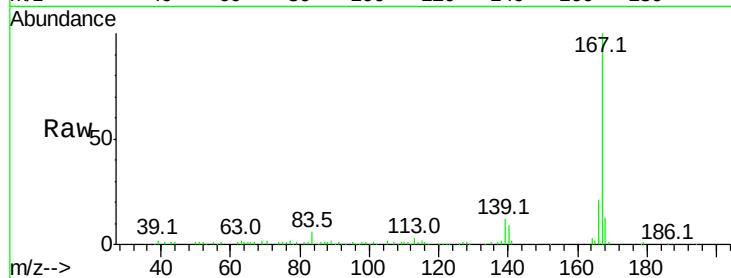
Tot Ion:167 Resp: 89770

Ion Ratio Lower Upper

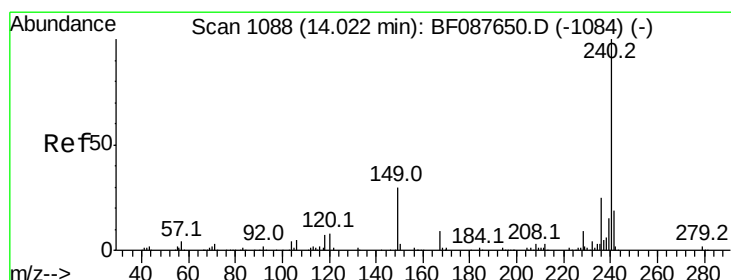
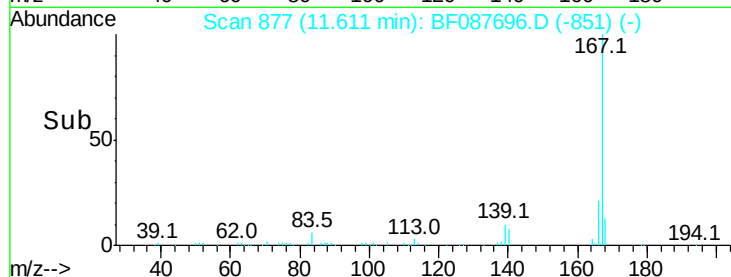
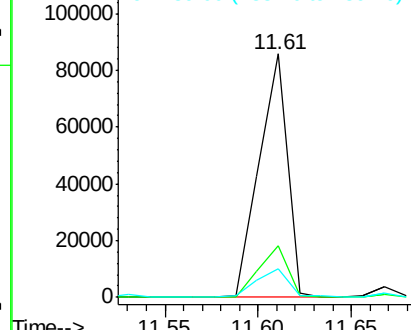
167 100

166 21.1 17.8 26.6

139 11.7 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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087696.D

Acq: 5 Jun 2016 8:41

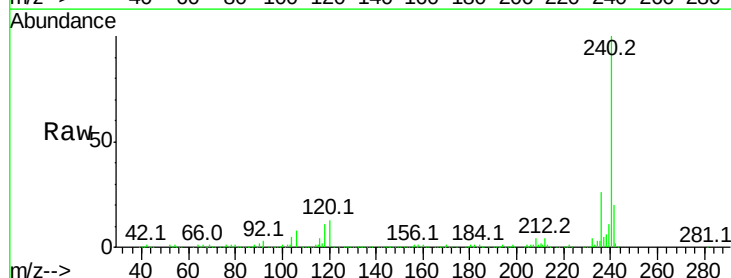
Tgt Ion:240 Resp: 352922

Ion Ratio Lower Upper

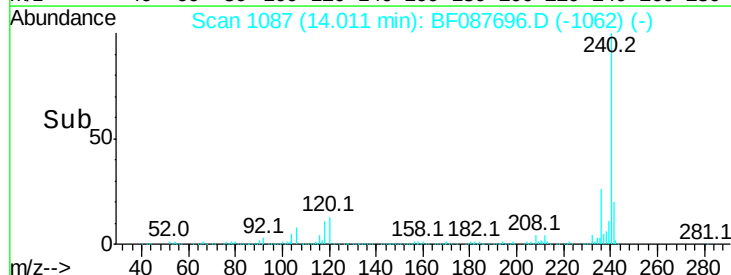
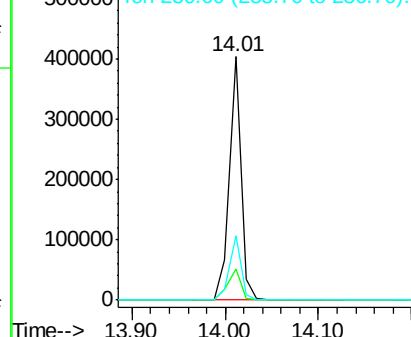
240 100

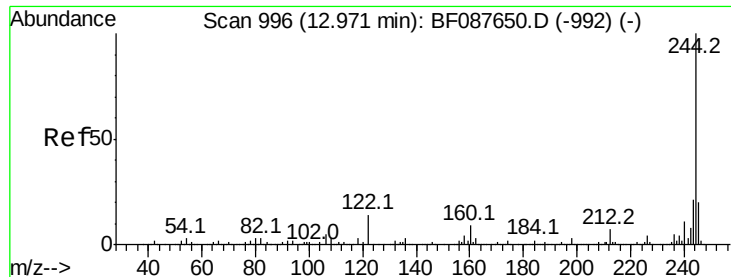
120 12.8 6.8 10.2#

236 26.2 20.2 30.2



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

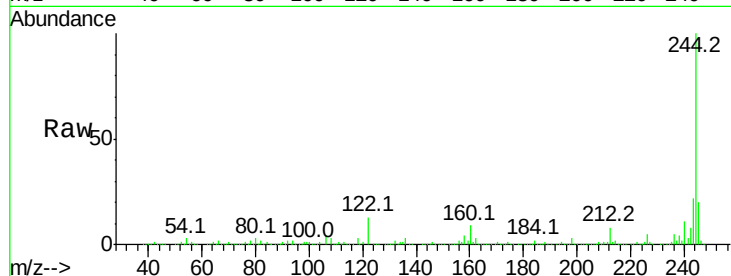




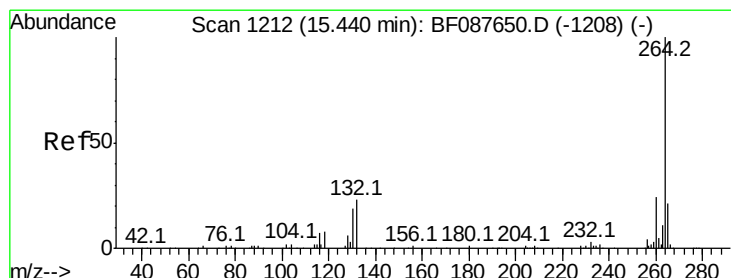
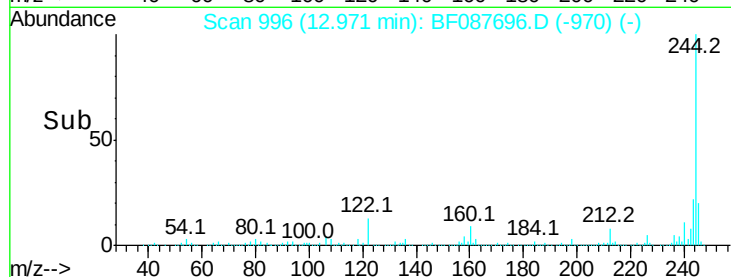
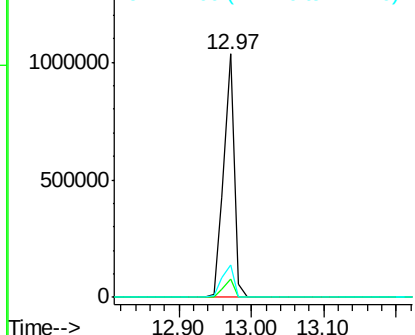
#78
 Terphenyl-d14
 Concen: 73.16 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087696.D
 Acq: 5 Jun 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Tot Ion:244 Resp: 1058159
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.3 11.2 16.8

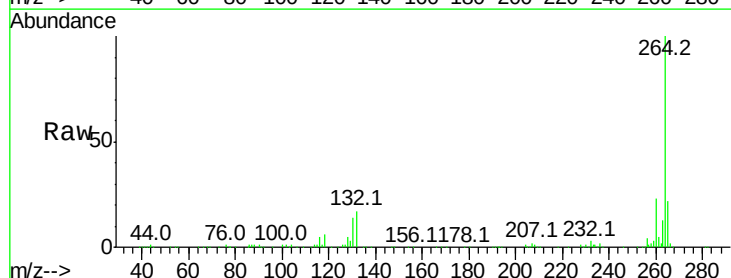


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087696.D
 Acq: 5 Jun 2016 8:41

Tgt Ion:264 Resp: 266657
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.9 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

