

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052416\
 Data File : BF087358.D
 Acq On : 25 May 2016 2:30
 Operator : UM/SJ
 Sample : H3211-24
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1330+60(0-4)

Quant Time: May 25 05:18:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 00:58:25 2016
 Response via : Initial Calibration

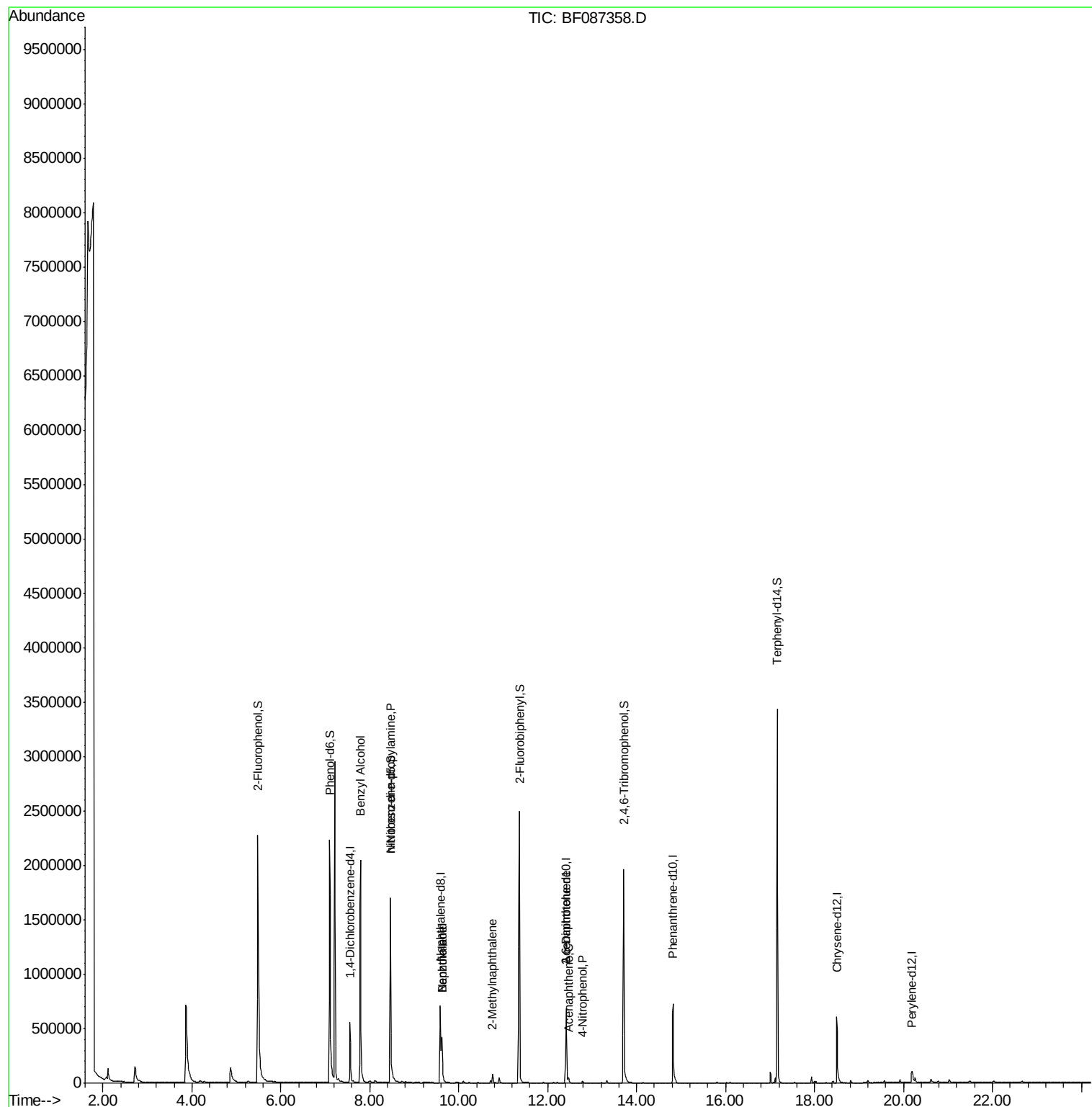
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	118230	20.00	ng	-0.01
21) Naphthalene-d8	9.59	136	471695	20.00	ng	-0.01
38) Acenaphthene-d10	12.41	164	198946	20.00	ng	-0.01
63) Phenanthrene-d10	14.82	188	449049	20.00	ng	0.00
75) Chrysene-d12	18.50	240	325357	20.00	ng	-0.01
86) Perylene-d12	20.18	264	40051	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	977832	145.33	ng	0.02
7) Phenol-d6	7.10	99	1207684	132.83	ng	-0.01
23) Nitrobenzene-d5	8.47	82	878569	93.87	ng	-0.02
41) 2,4,6-Tribromophenol	13.71	330	345391	180.66	ng	-0.01
44) 2-Fluorobiphenyl	11.37	172	1526872	108.20	ng	-0.01
78) Terphenyl-d14	17.17	244	1473929	96.31	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	7.79	79	15011	2.26	ng	# 40
19) n-Nitroso-di-n-propylamine	8.47	70	117774	17.37	ng	# 75
31) Naphthalene	9.62	128	377257	15.96	ng	99
32) Benzoic acid	9.62	122	918	6.05	ng	# 1
37) 2-Methylnaphthalene	10.75	142	41244	2.79	ng	94
50) 2,6-Dinitrotoluene	12.41	165	23175	7.22	ng	# 21
51) Acenaphthene	12.47	154	25314	2.03	ng	93
55) 4-Nitrophenol	12.79	139	5615	3.57	ng	# 14

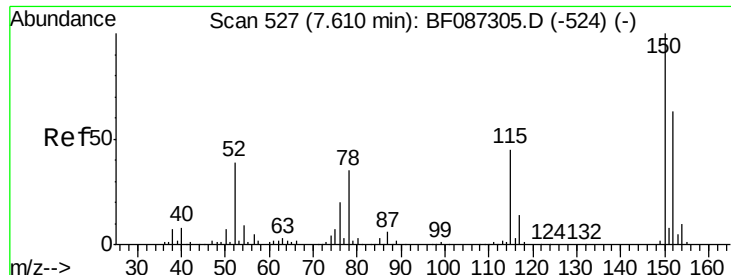
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

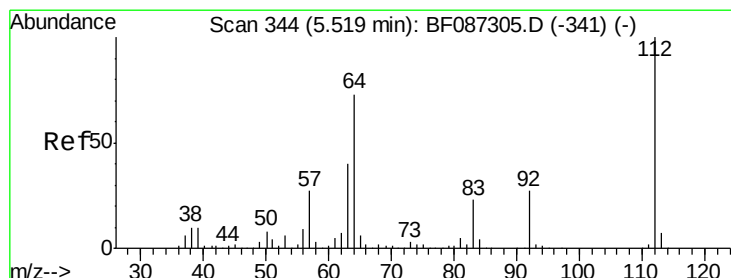
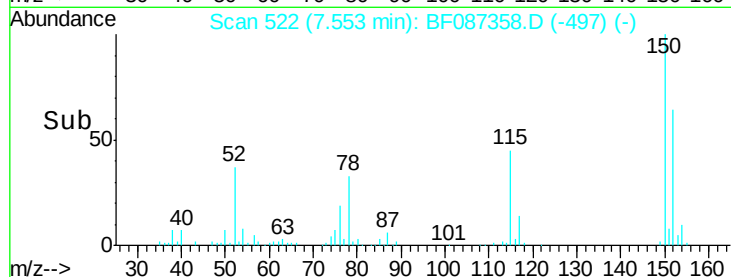
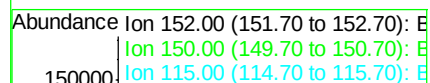
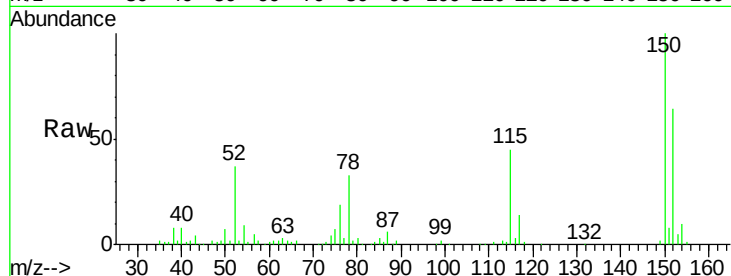
Tgt Ion:152 Resp: 118230

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.6

115 69.4 51.5 77.3



#5

2-Fluorophenol

Concen: 145.33 ng

RT: 5.48 min Scan# 341

Delta R.T. 0.02 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

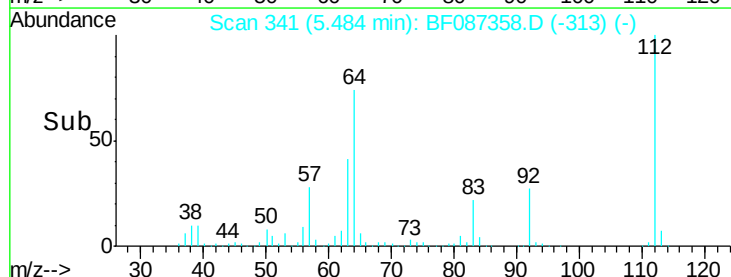
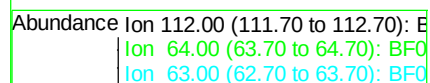
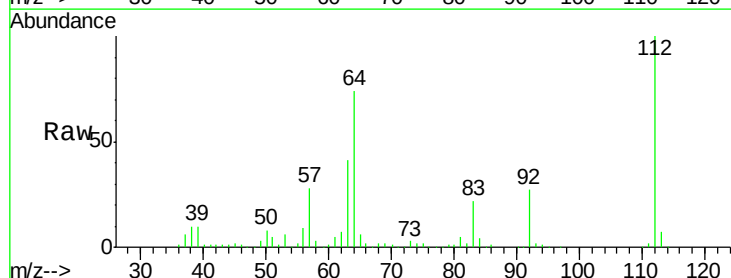
Tgt Ion:112 Resp: 977832

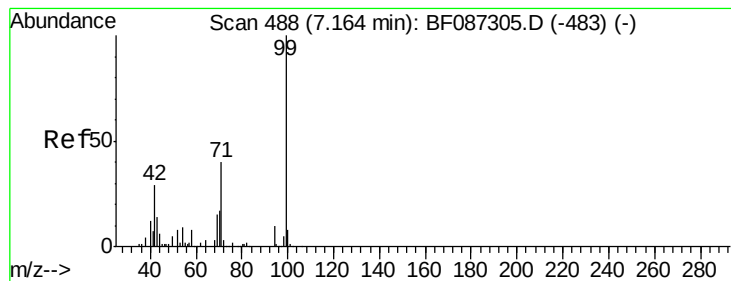
Ion Ratio Lower Upper

112 100

64 74.0 52.1 78.1

63 41.1 25.7 38.5





#7

Phenol-d6

Concen: 132.83 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

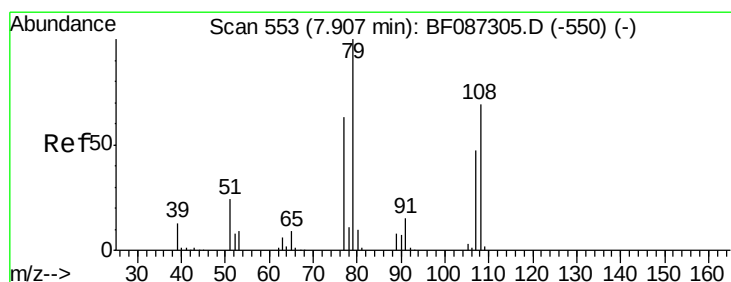
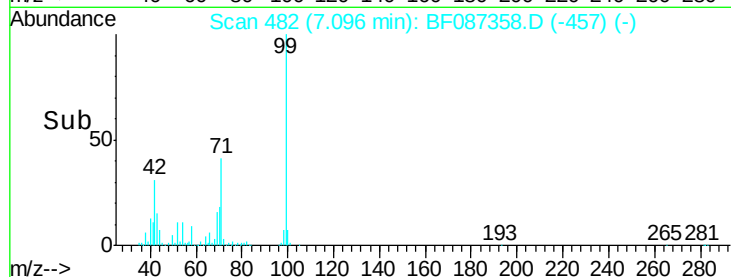
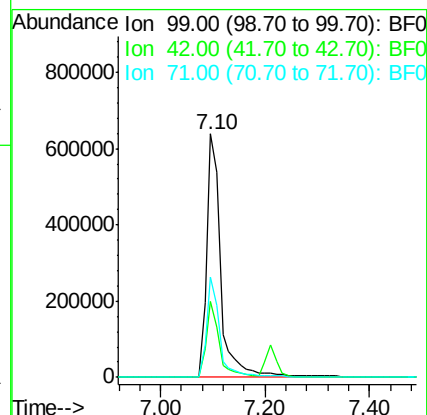
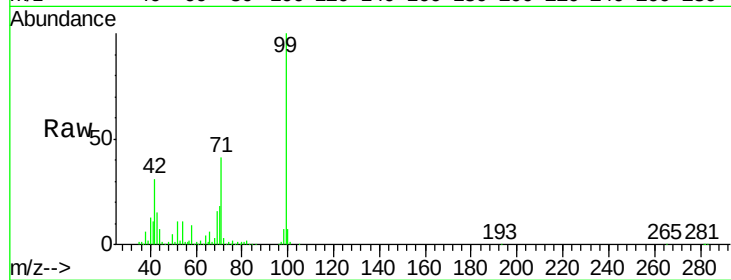
Tgt Ion: 99 Resp: 1207684

Ion Ratio Lower Upper

99 100

42 31.1 13.6 20.4#

71 41.2 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 7.79 min Scan# 543

Delta R.T. -0.07 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

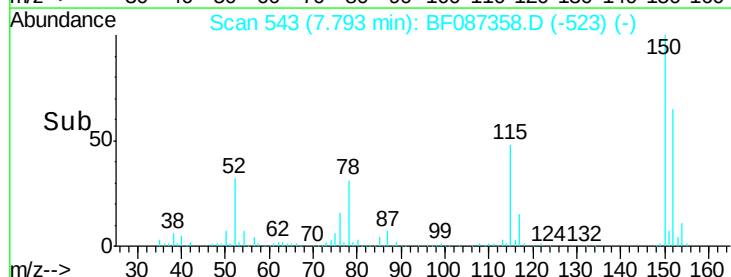
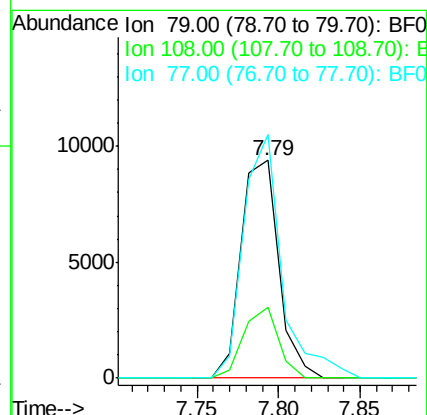
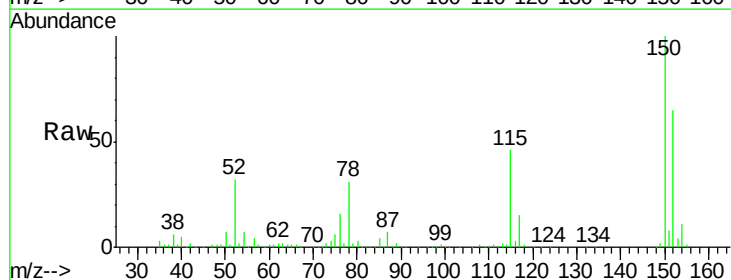
Tgt Ion: 79 Resp: 15011

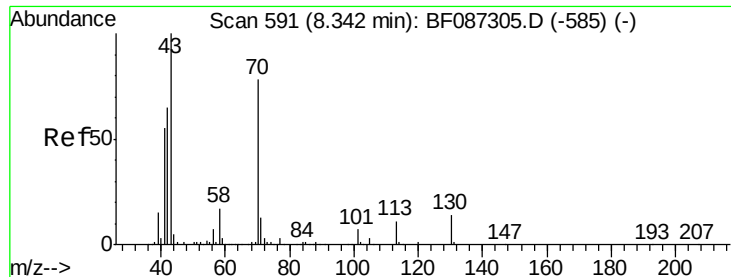
Ion Ratio Lower Upper

79 100

108 32.3 68.4 102.6#

77 111.8 50.6 76.0#

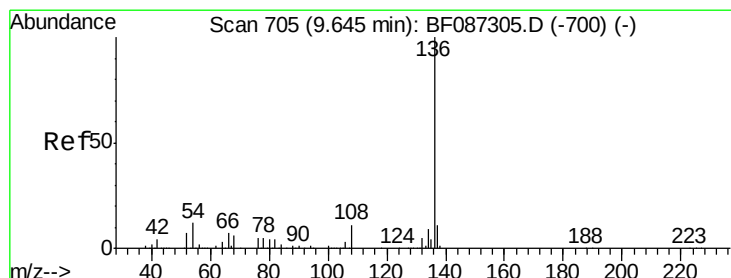
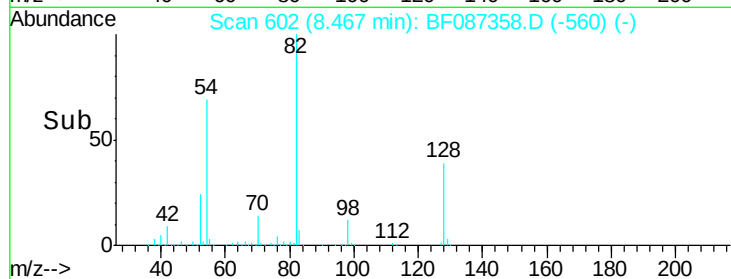
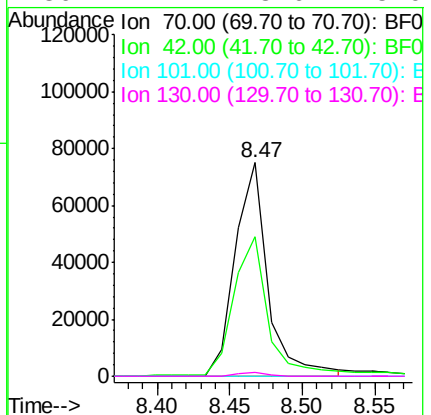
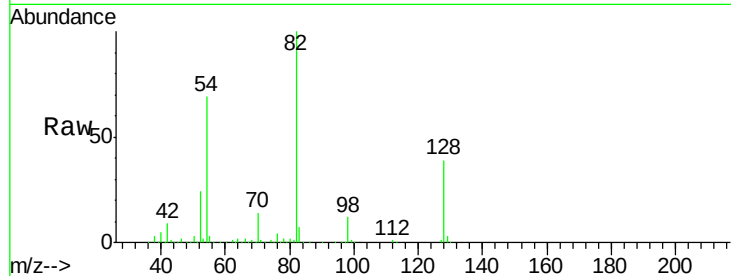




#19
n-Nitroso-di-n-propylamine
Concen: 17.37 ng
RT: 8.47 min Scan# 602
Delta R.T. 0.18 min
Lab File: BF087358.D
Acq: 25 May 2016 2:30

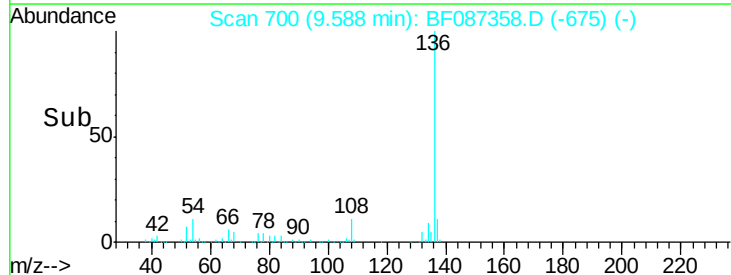
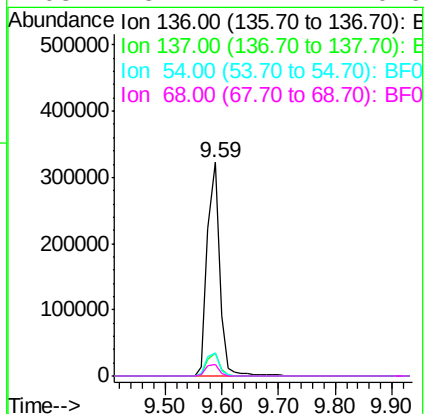
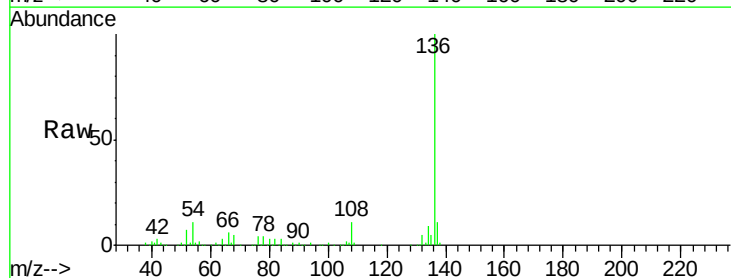
Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

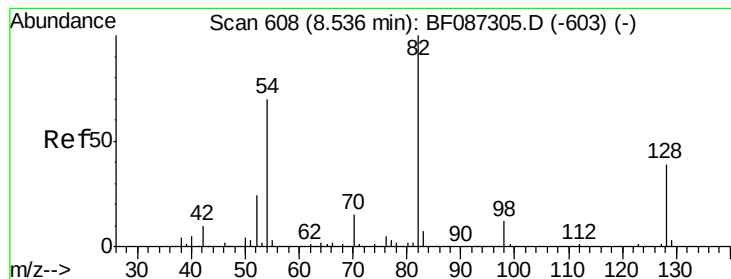
Tgt Ion: 70 Resp: 117774
Ion Ratio Lower Upper
70 100
42 65.2 43.1 64.7#
101 0.0 8.1 12.1#
130 1.7 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF087358.D
Acq: 25 May 2016 2:30

Tgt Ion: 136 Resp: 471695
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.7 5.0 7.4#
68 5.4 4.4 6.6





#23

Nitrobenzene-d5

Concen: 93.87 ng

RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

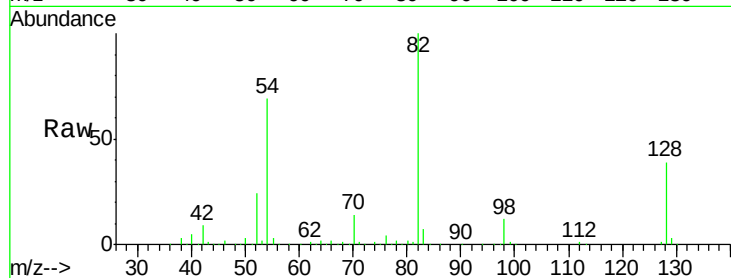
Tgt Ion: 82 Resp: 878569

Ion Ratio Lower Upper

82 100

128 39.4 40.6 61.0#

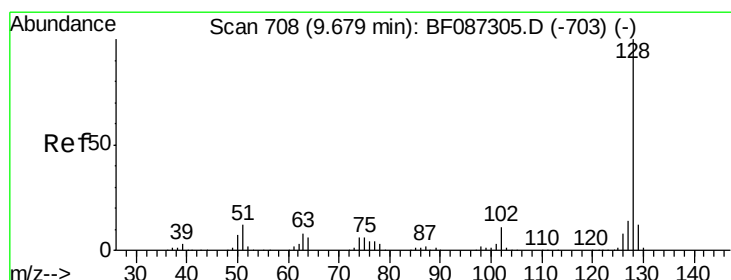
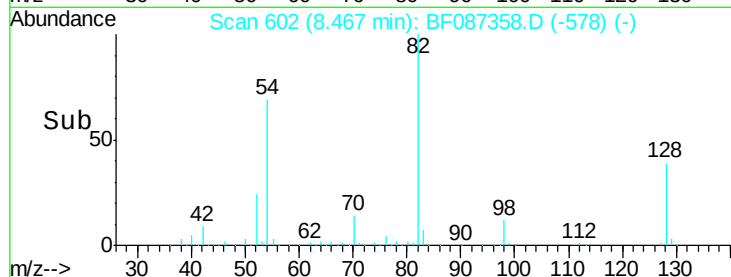
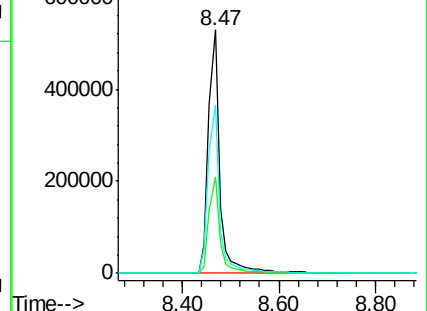
54 69.2 38.1 57.1#



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: 15.96 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

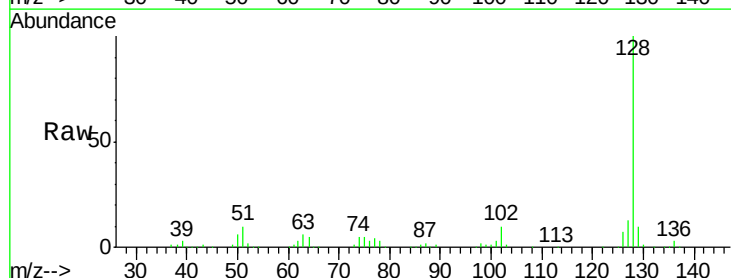
Tgt Ion: 128 Resp: 377257

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

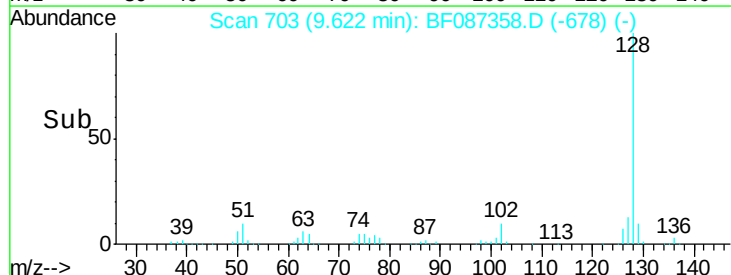
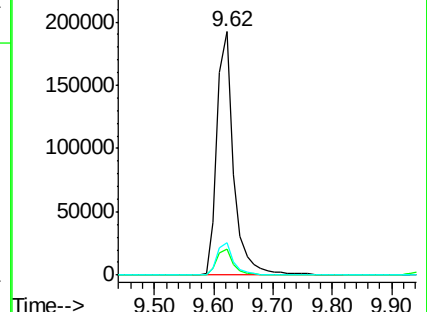
127 13.1 10.8 16.2

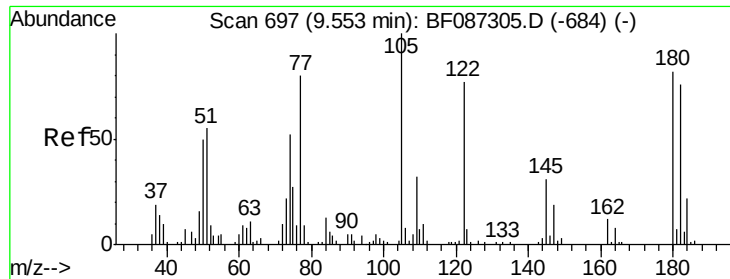


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 6.05 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.16 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

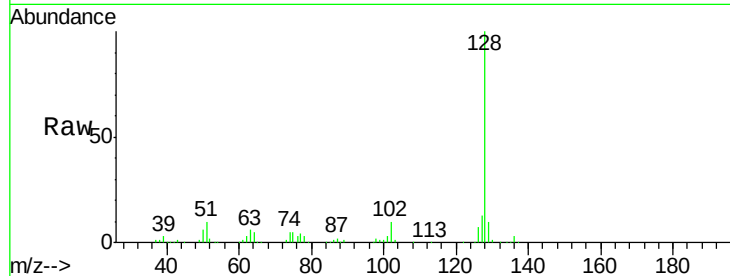
Tgt Ion:122 Resp: 918

Ion Ratio Lower Upper

122 100

105 0.0 92.6 132.6#

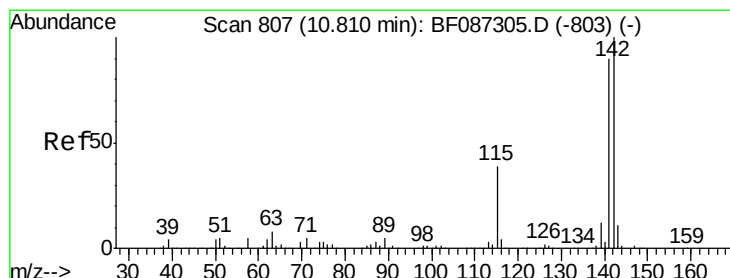
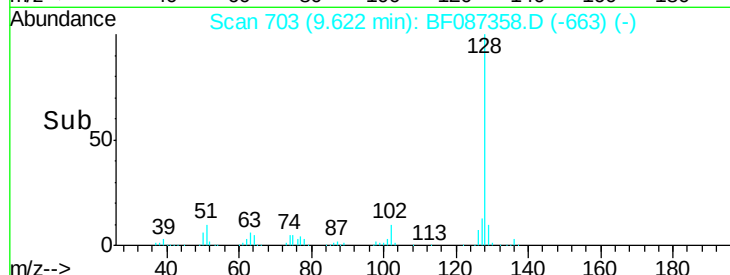
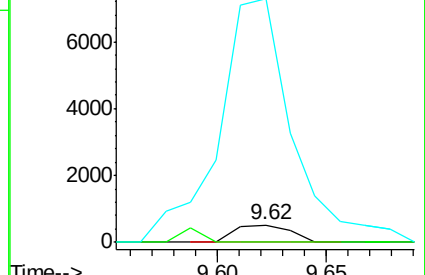
77 1397.7 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#37

2-Methylnaphthalene

Concen: 2.79 ng

RT: 10.75 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

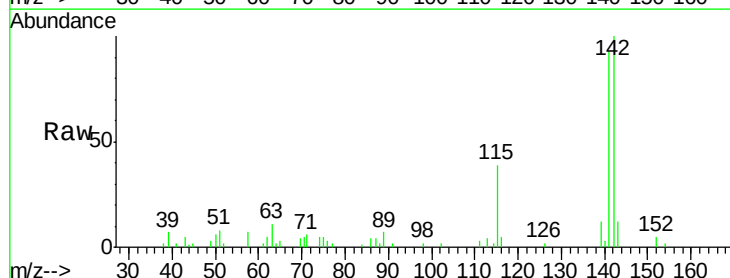
Tgt Ion:142 Resp: 41244

Ion Ratio Lower Upper

142 100

141 92.7 71.0 106.6

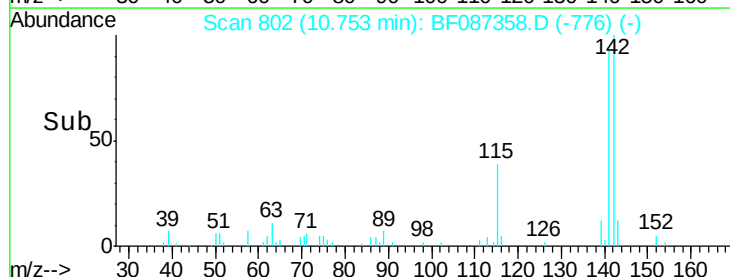
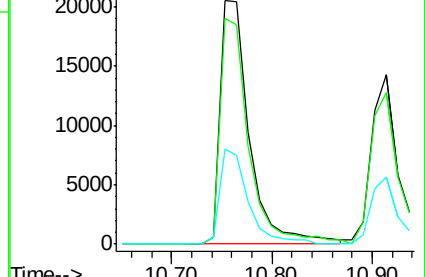
115 39.3 26.6 39.8

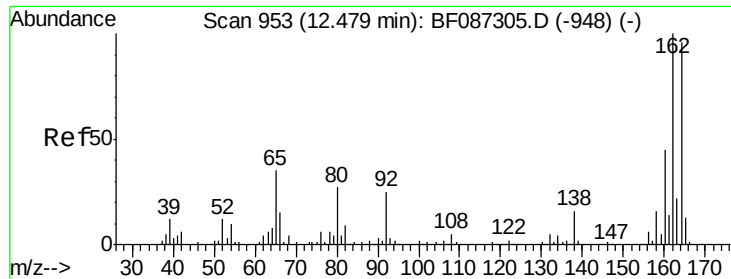


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

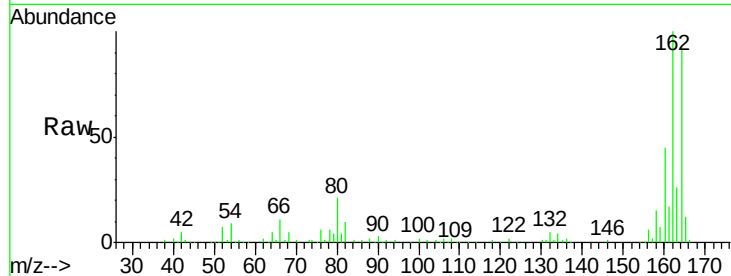




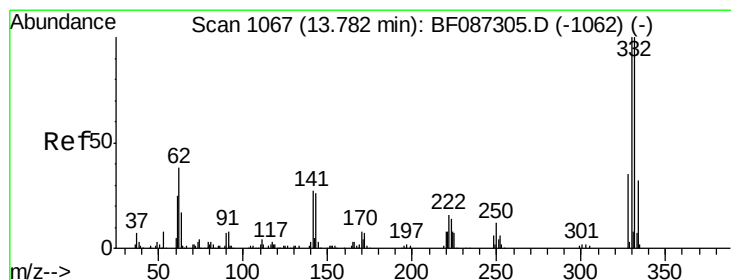
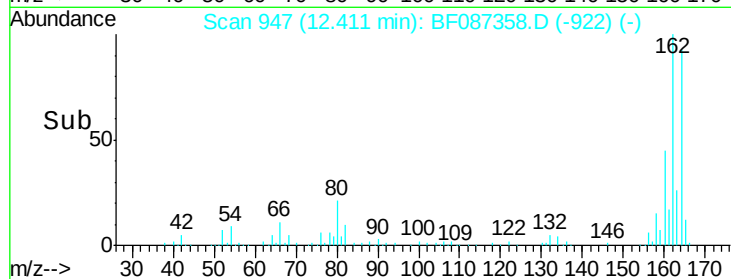
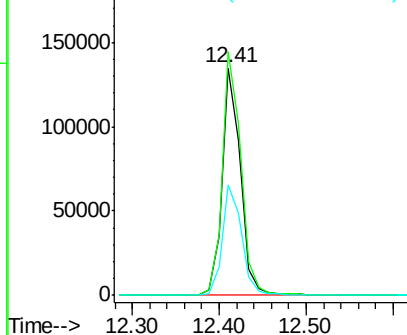
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.41 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF087358.D
 Acq: 25 May 2016 2:30

Instrument :
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 TA-1330+60(0-4)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	82.8	124.2
160	48.5	36.9	55.3

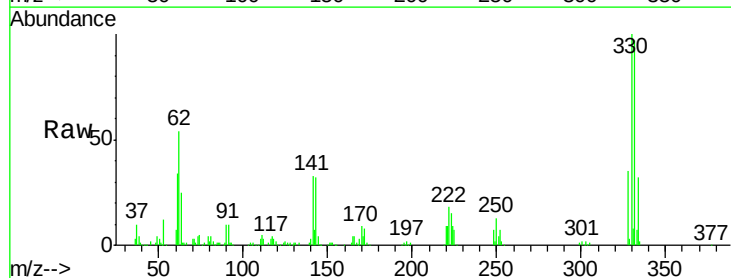


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

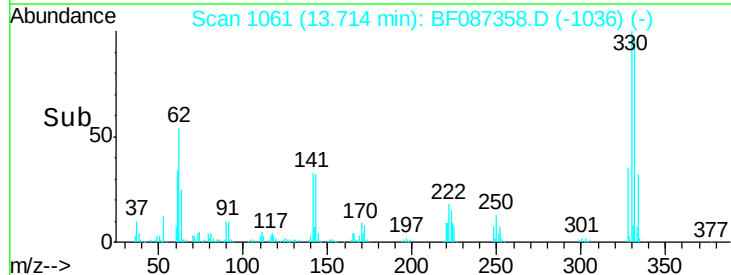
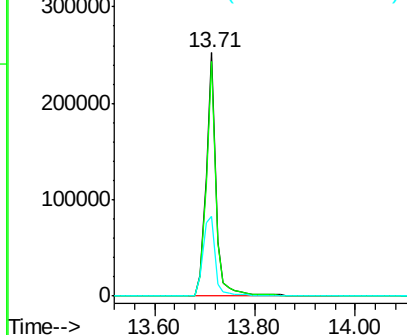


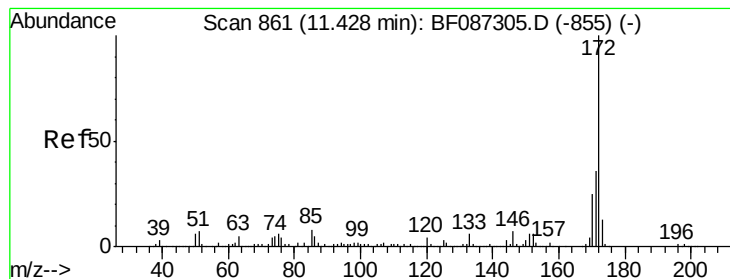
#41
 2,4,6-Tribromophenol
 Concen: 180.66 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087358.D
 Acq: 25 May 2016 2:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.0	118.4
141	42.2	31.2	46.8



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: 108.20 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

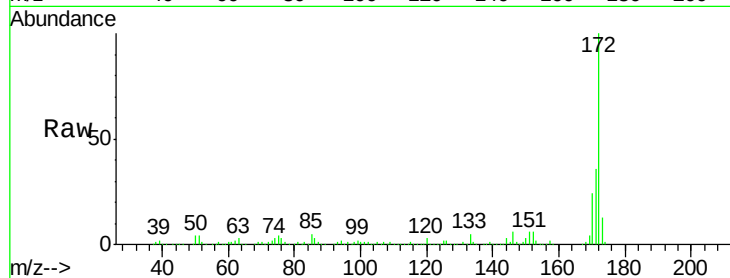
Tgt Ion:172 Resp: 1526872

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

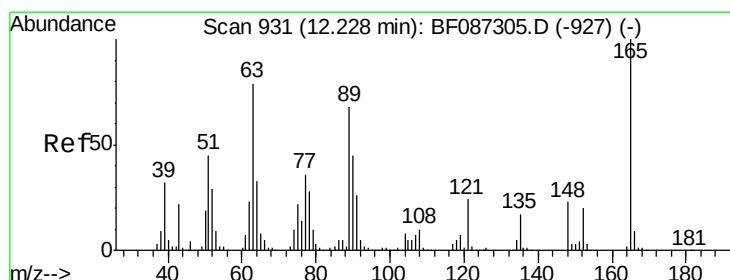
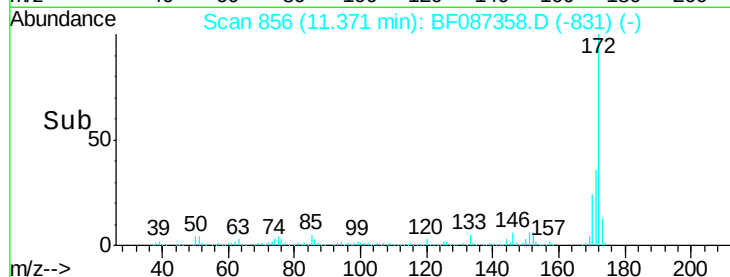
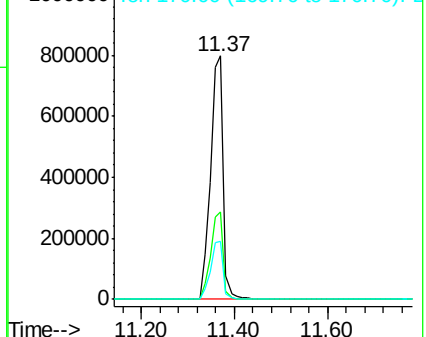
170 24.1 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 7.22 ng

RT: 12.41 min Scan# 947

Delta R.T. 0.23 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

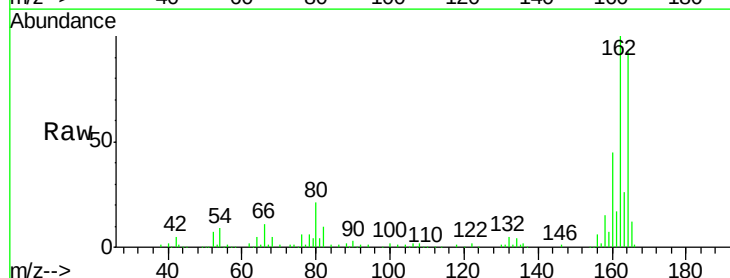
Tgt Ion:165 Resp: 23175

Ion Ratio Lower Upper

165 100

63 2.7 51.8 77.8#

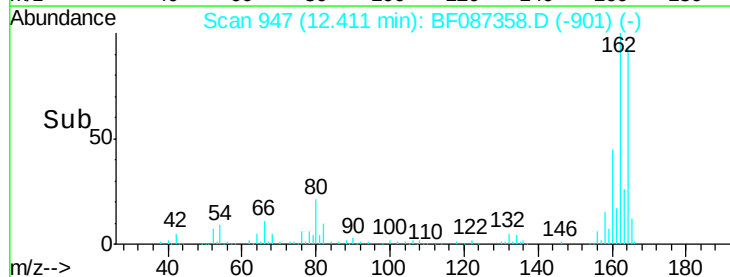
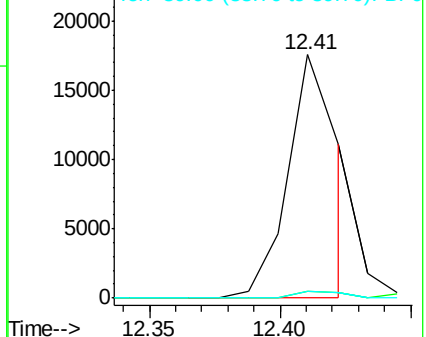
89 2.5 50.7 76.1#

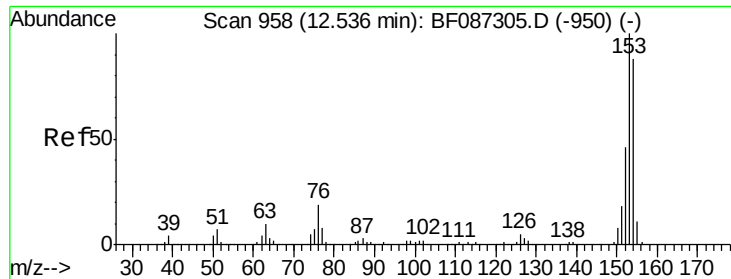


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.03 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

Instrument :

BNA_F

ClientSampleId :

TA-1330+60(0-4)

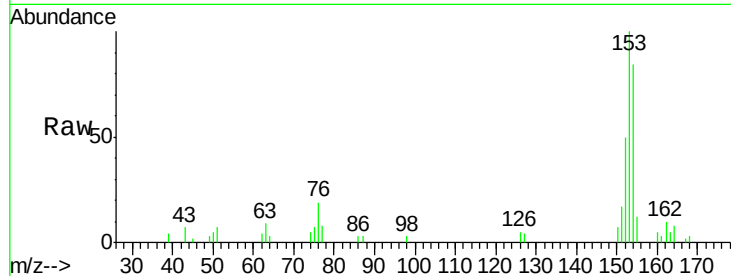
Tgt Ion:154 Resp: 25314

Ion Ratio Lower Upper

154 100

153 119.3 89.8 134.6

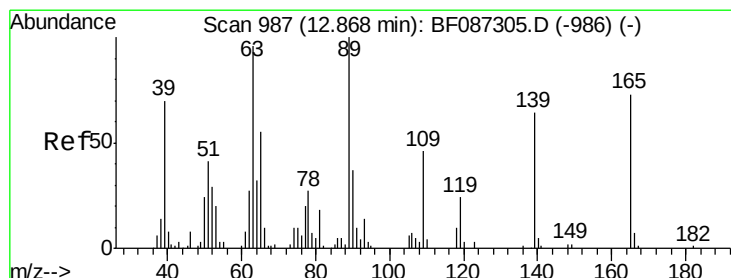
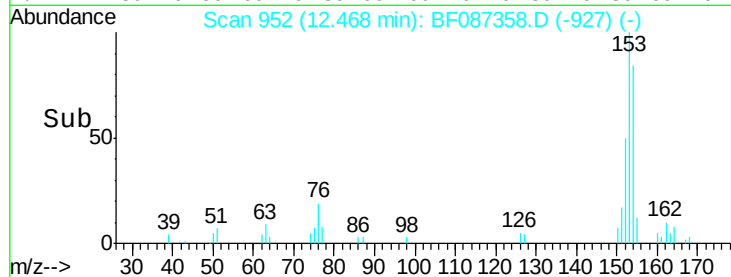
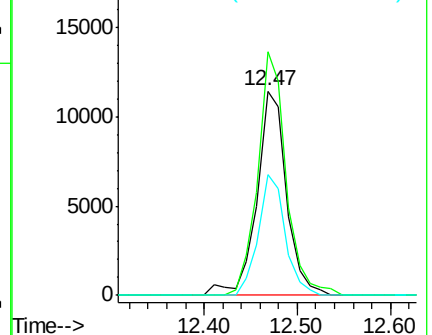
152 59.1 43.4 65.0



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



#55

4-Nitrophenol

Concen: 3.57 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF087358.D

Acq: 25 May 2016 2:30

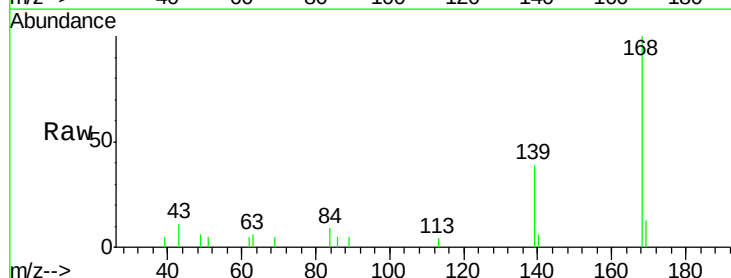
Tgt Ion:139 Resp: 5615

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

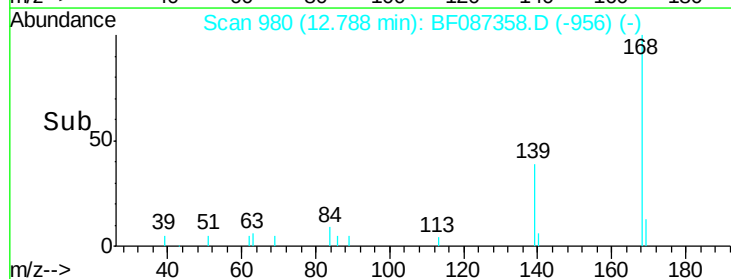
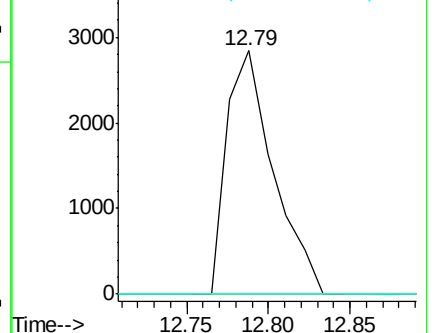
65 0.0 64.0 104.0#

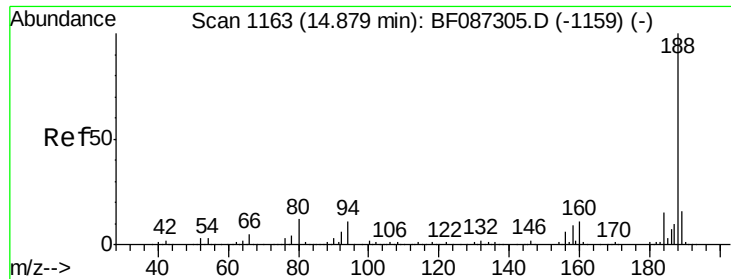


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

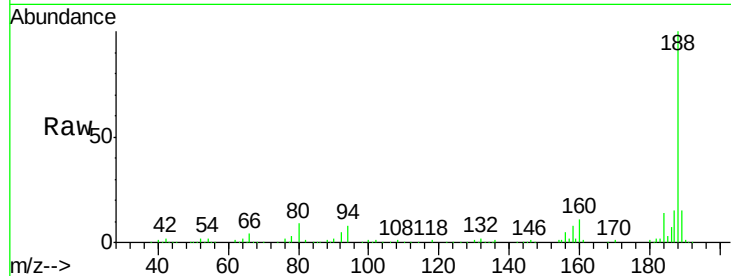




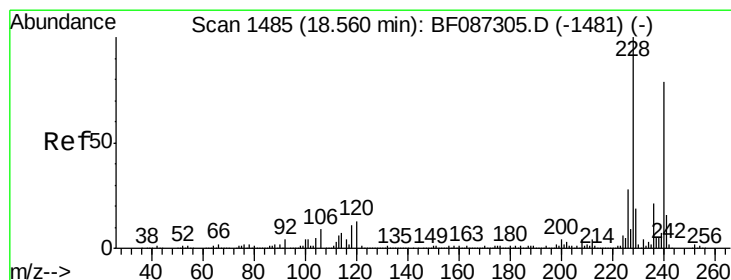
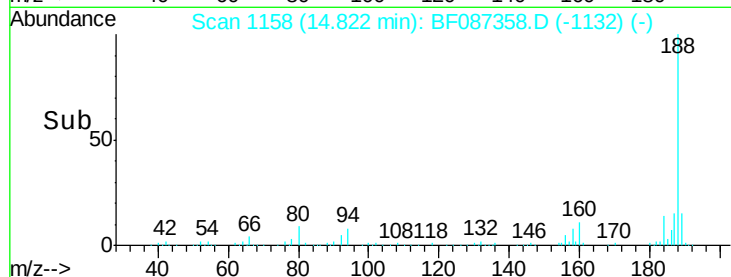
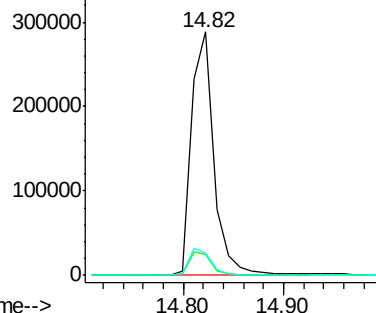
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF087358.D
Acq: 25 May 2016 2:30

Instrument :
BNA_F
ClientSampleId :
TA-1330+60(0-4)

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.0	7.1	10.7

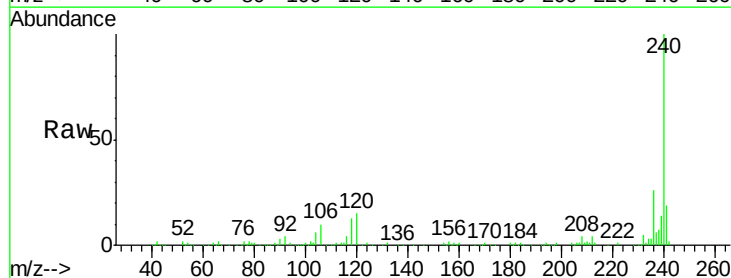


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

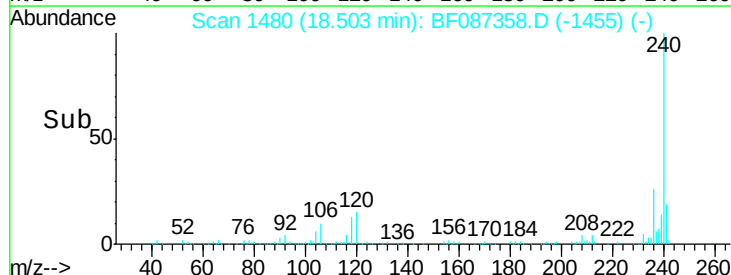
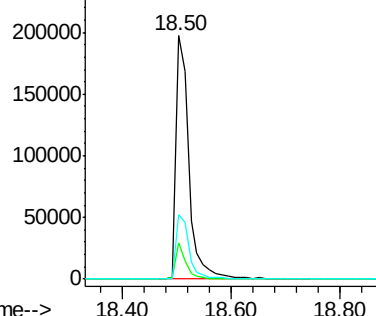


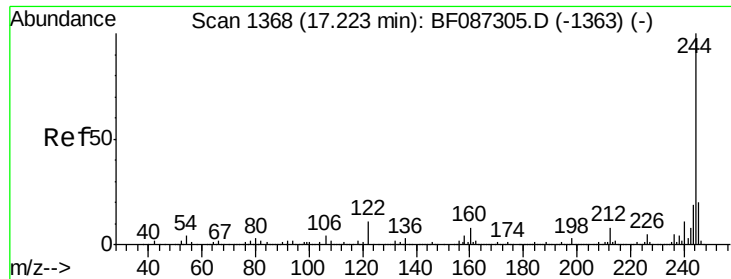
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087358.D
Acq: 25 May 2016 2:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	11.2	16.8
236	26.3	21.2	31.8



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

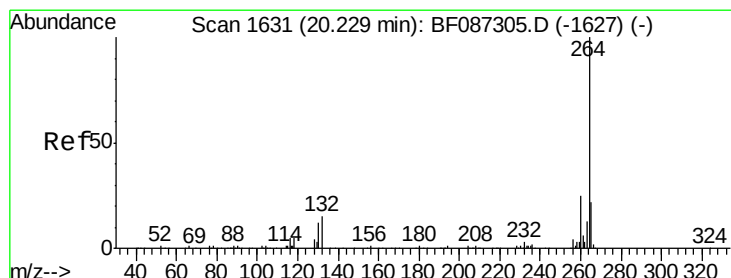
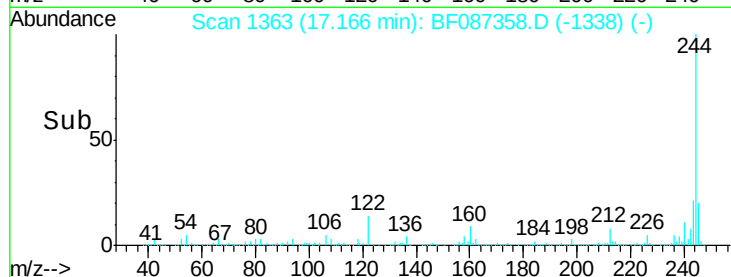
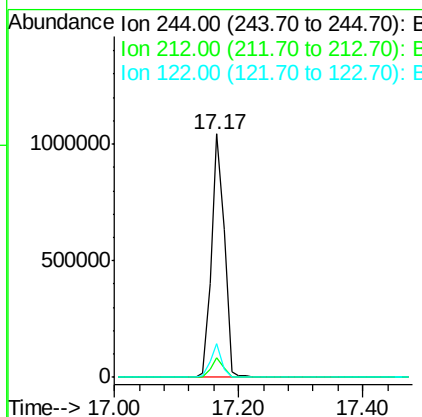
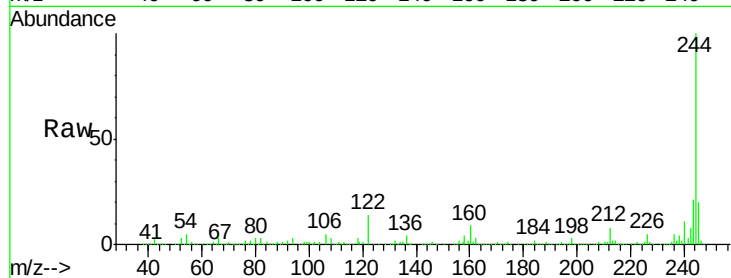




#78
 Terphenyl-d14
 Concen: 96.31 ng
 RT: 17.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF087358.D
 Acq: 25 May 2016 2:30

Instrument :
 BNA_F
 ClientSampleId :
 TA-1330+60(0-4)

Tgt Ion:244 Resp: 1473929
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 13.6 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.18 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BF087358.D
 Acq: 25 May 2016 2:30

Tgt Ion:264 Resp: 40051
 Ion Ratio Lower Upper
 264 100
 260 31.2 19.5 29.3#
 265 20.1 17.3 25.9

