

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088305.D
 Acq On : 23 Jun 2016 23:09
 Operator : UM/SJ
 Sample : H3607-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P0-002

Quant Time: Jun 24 01:38:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

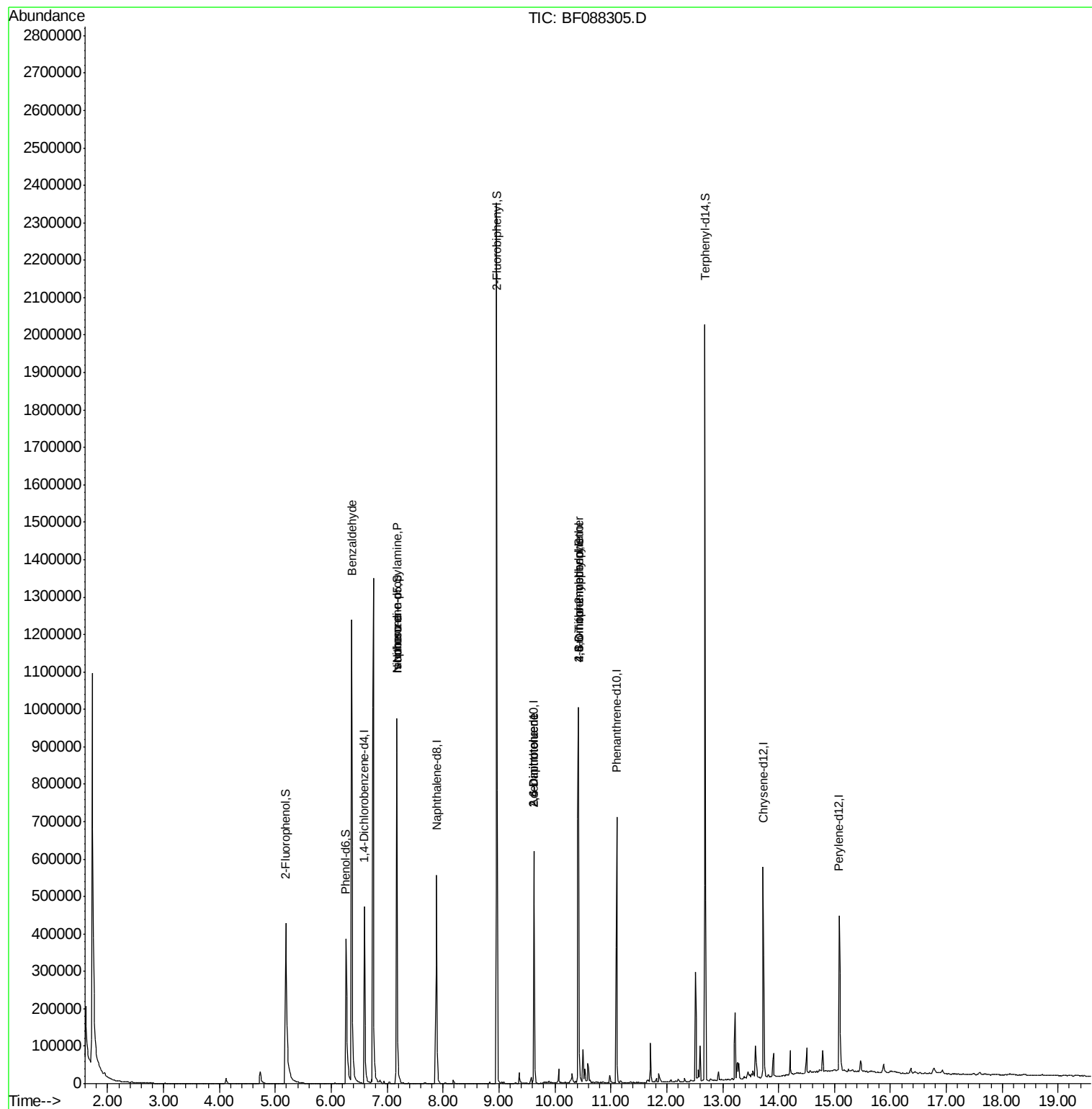
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	93170	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	362934	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	171339	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	309849	20.00	ng	-0.01
75) Chrysene-d12	13.73	240	224088	20.00	ng	-0.02
86) Perylene-d12	15.09	264	185650	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	289808	53.18	ng	0.01
7) Phenol-d6	6.26	99	254428	38.52	ng	0.00
23) Nitrobenzene-d5	7.18	82	518576	83.44	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	164747	91.06	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	880957	80.48	ng	-0.01
78) Terphenyl-d14	12.69	244	677376	68.79	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.36	77	9306	2.18	ng	# 69
10) Phenol	6.28	94	1055	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	66065	15.64	ng	# 66
25) Isophorone	7.18	82	511191	44.40	ng	# 65
45) 1,1'-Biphenyl	8.96	154	1771	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.62	165	21142	7.44	ng	# 37
56) 2,4-Dinitrotoluene	9.62	165	21142	5.79	ng	# 36
57) Fluorene	10.18	166	366	Below Cal	#	94
64) 4,6-Dinitro-2-methylphenol	10.42	198	228	2.27	ng	# 1
66) 4-Bromophenyl-phenylether	10.42	248	10617	3.19	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampleId :

P0-002

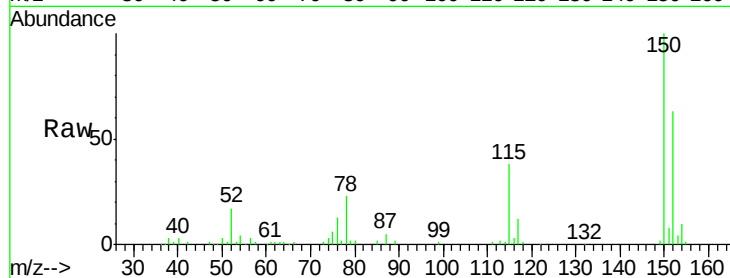
Tgt Ion:152 Resp: 93170

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

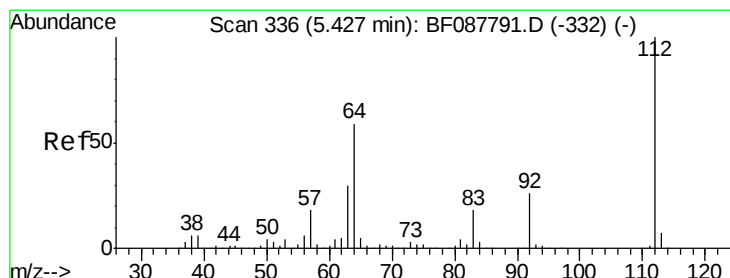
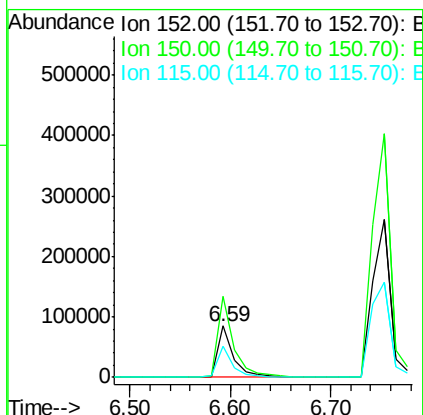
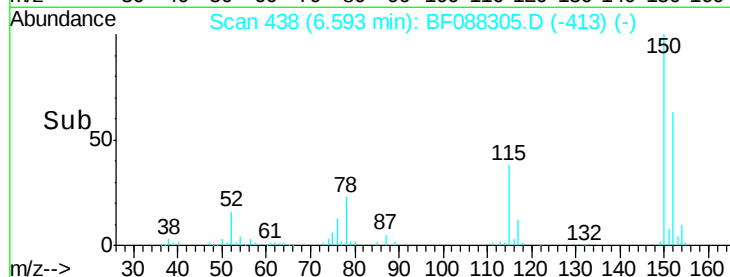
115 60.6 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 53.18 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

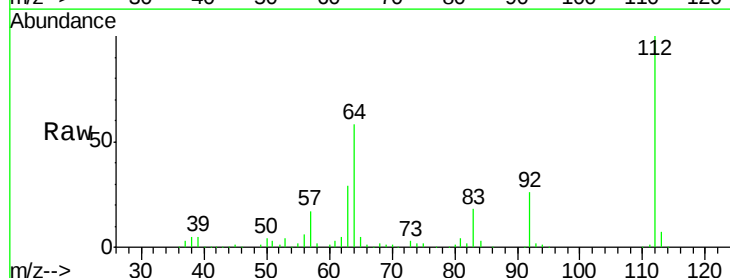
Tgt Ion:112 Resp: 289808

Ion Ratio Lower Upper

112 100

64 58.2 42.2 63.2

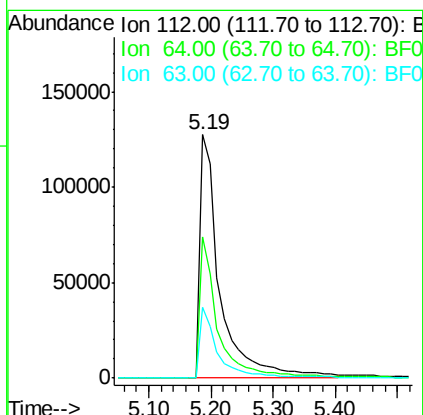
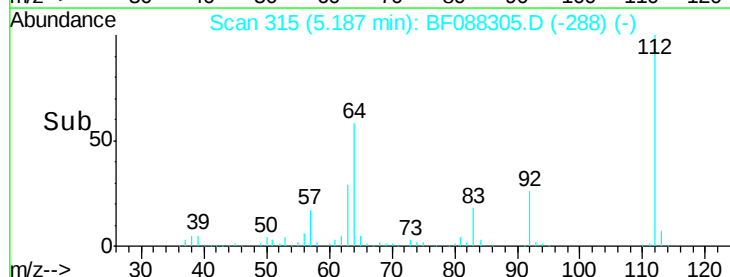
63 29.1 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.52 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampleId :

P0-002

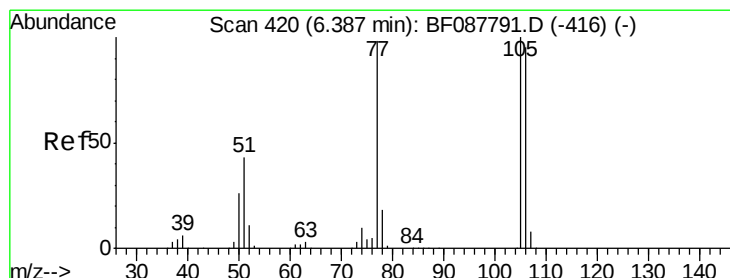
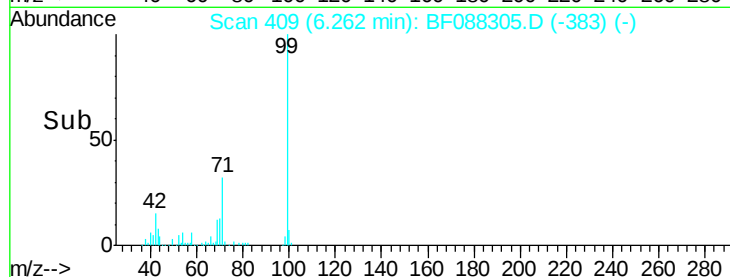
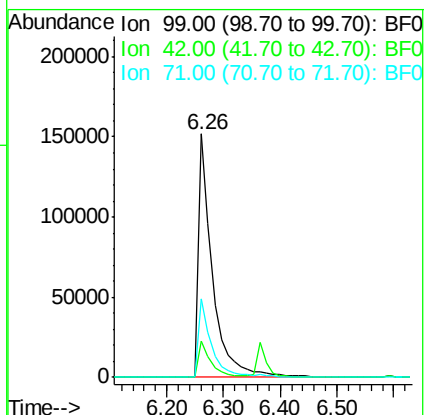
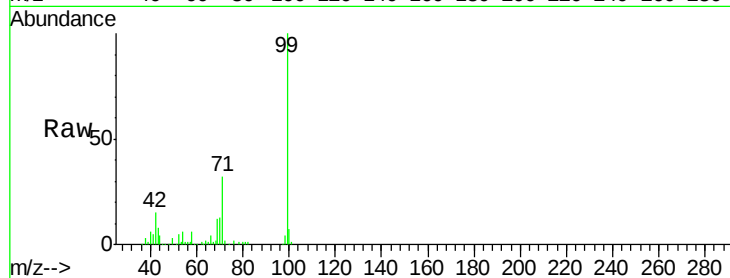
Tgt Ion: 99 Resp: 254428

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 32.2 23.4 35.0



#9

Benzaldehyde

Concen: 2.18 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.22 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

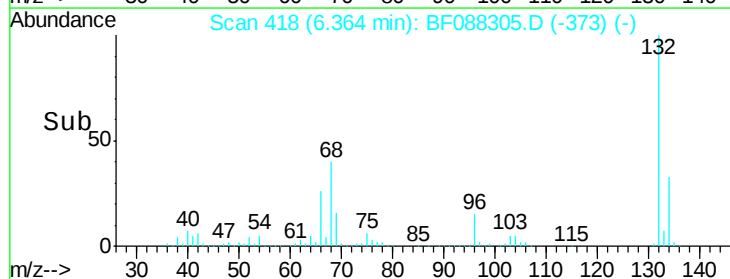
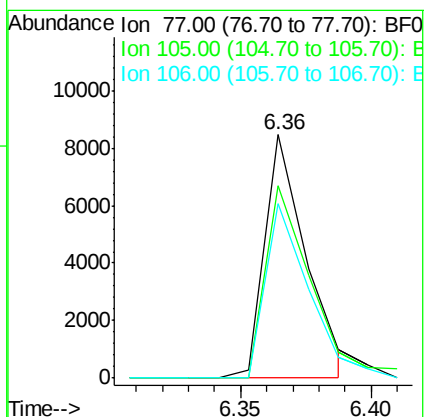
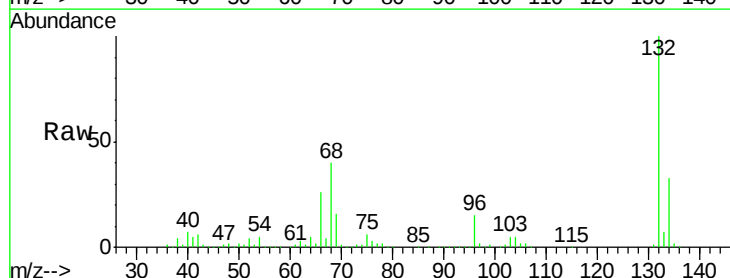
Tgt Ion: 77 Resp: 9306

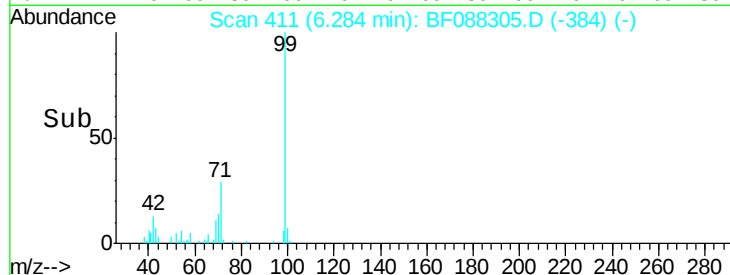
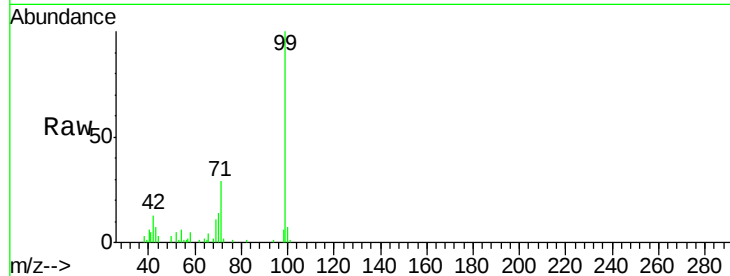
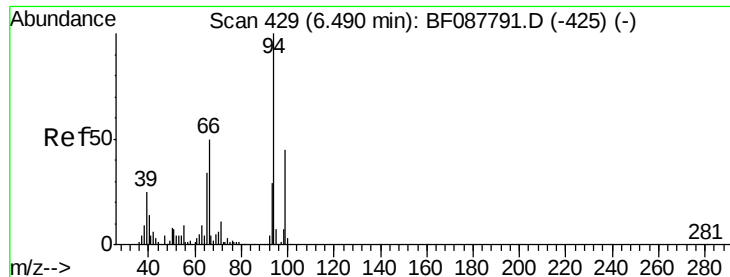
Ion Ratio Lower Upper

77 100

105 79.2 90.6 130.6#

106 71.5 85.3 125.3#





#10

Phenol

Concen: Below Cal

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampleId :

P0-002

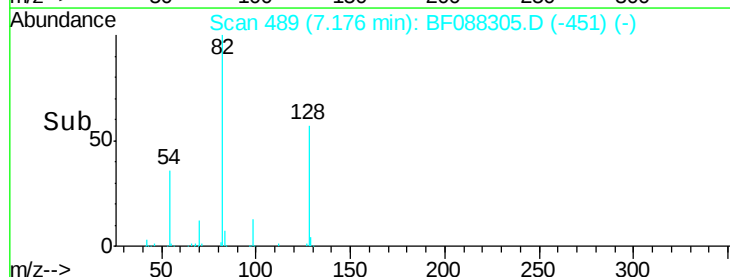
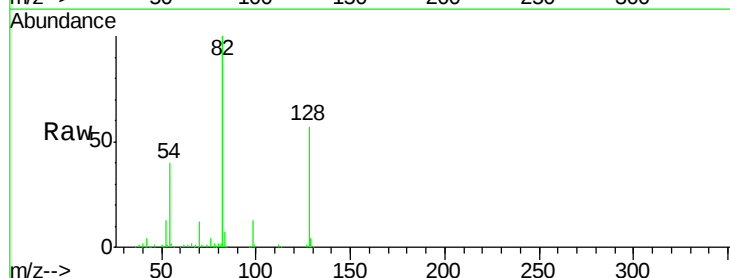
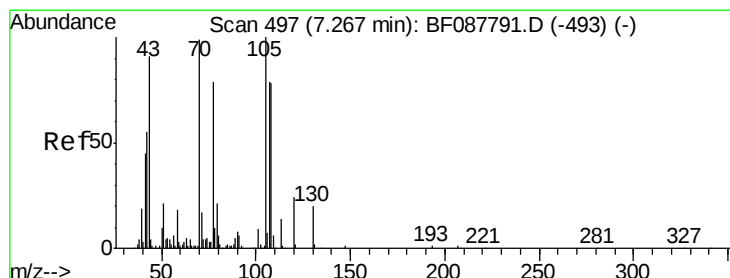
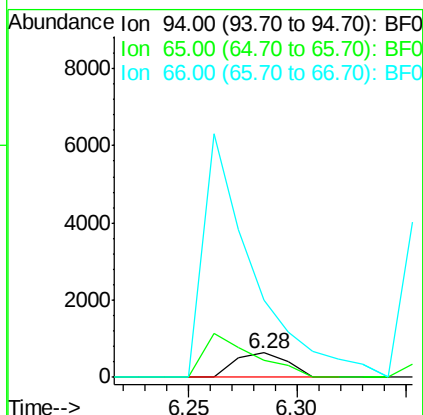
Tgt Ion: 94 Resp: 1055

Ion Ratio Lower Upper

94 100

65 69.6 5.9 45.9#

66 316.3 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 15.64 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Tgt Ion: 70 Resp: 66065

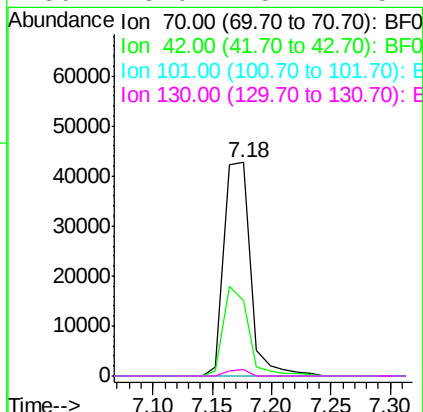
Ion Ratio Lower Upper

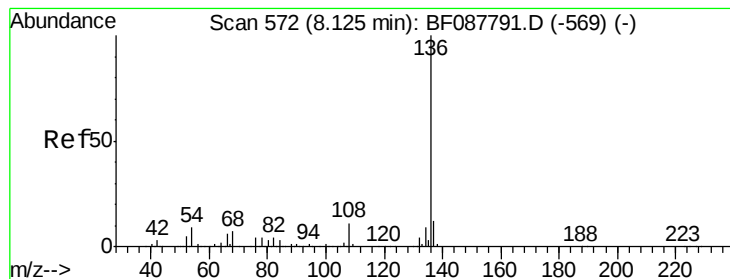
70 100

42 35.1 49.6 74.4#

101 0.0 7.1 10.7#

130 3.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampleId :

P0-002

Tgt Ion: 136 Resp: 362934

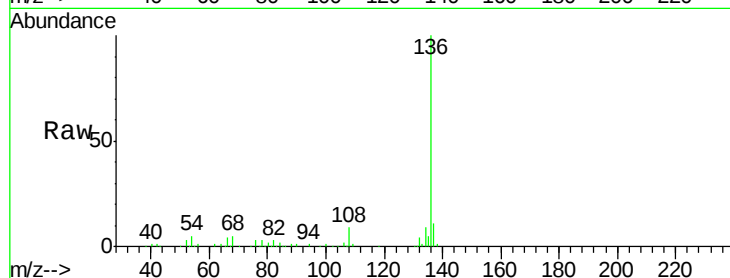
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.3 6.6 10.0#

68 4.7 5.1 7.7#

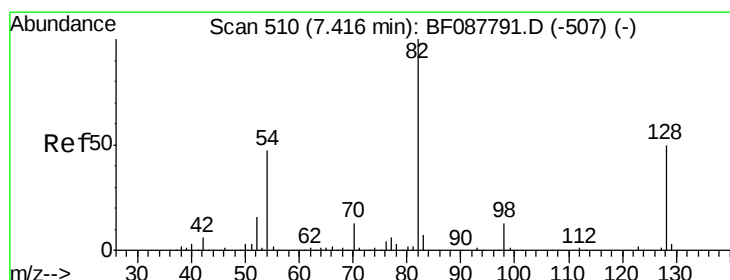
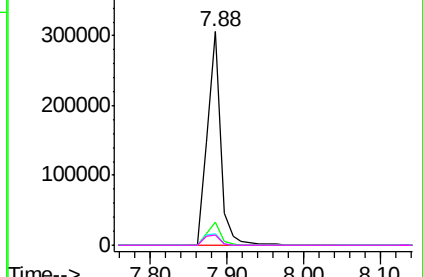
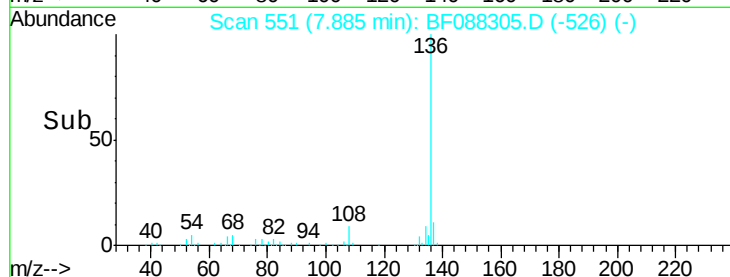


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 83.44 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

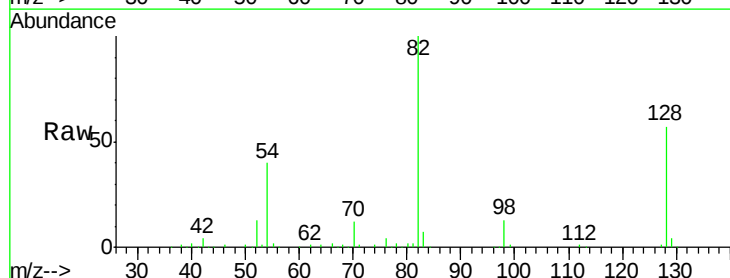
Tgt Ion: 82 Resp: 518576

Ion Ratio Lower Upper

82 100

128 57.3 35.9 53.9#

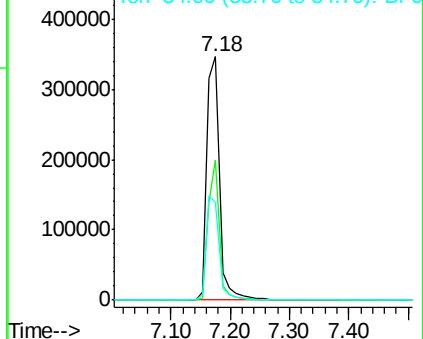
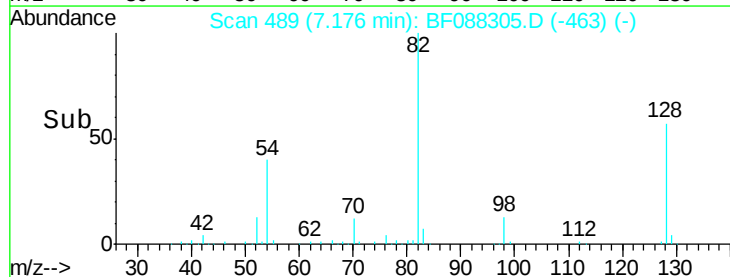
54 40.1 40.9 61.3#

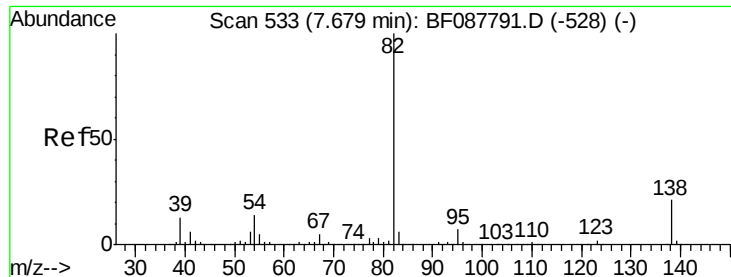


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 44.40 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampled :

P0-002

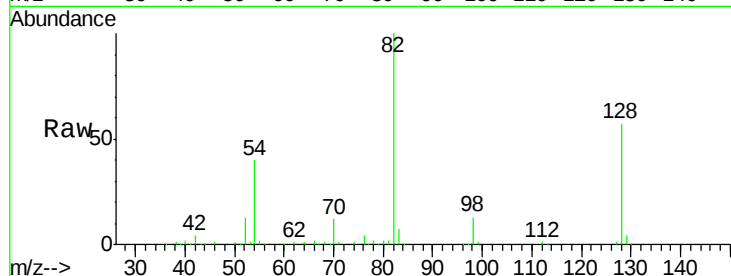
Tgt Ion: 82 Resp: 511191

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

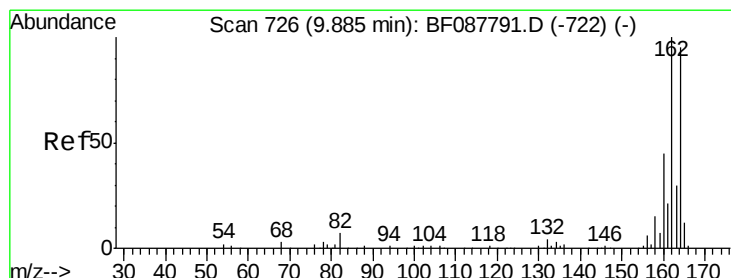
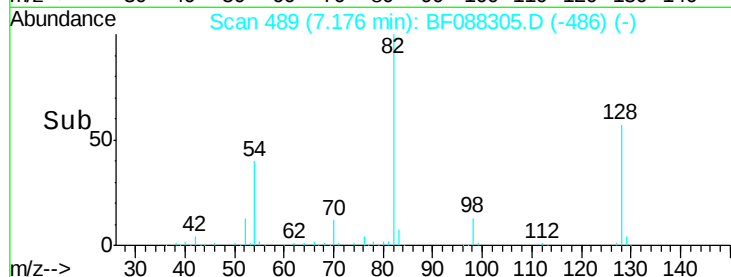
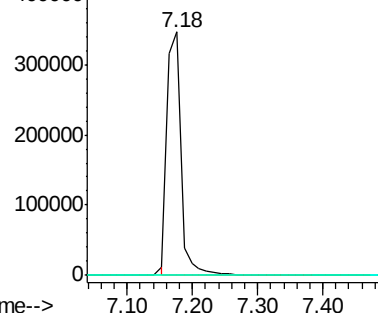
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

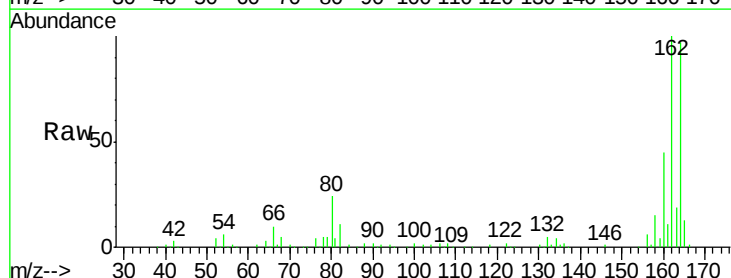
Tgt Ion: 164 Resp: 171339

Ion Ratio Lower Upper

164 100

162 102.8 85.4 128.2

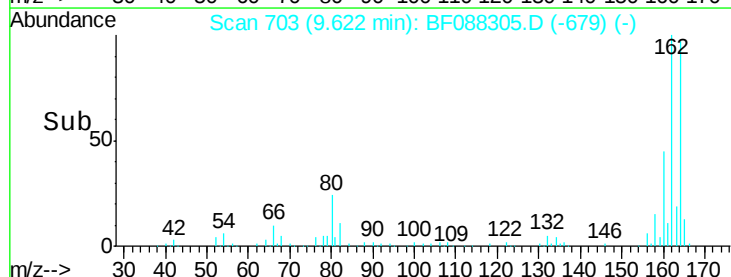
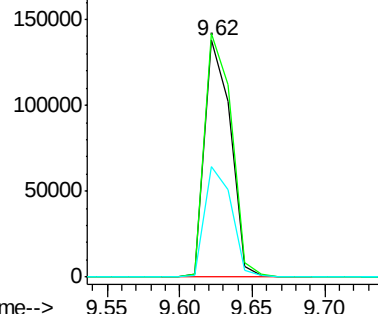
160 46.8 39.5 59.3

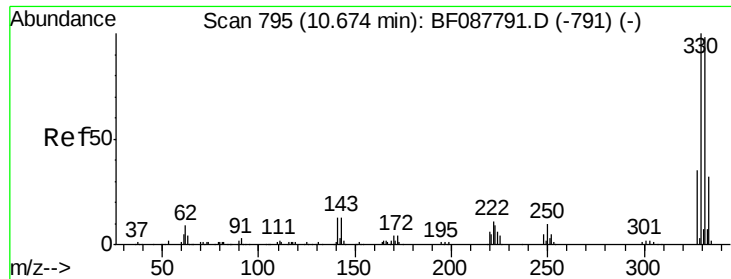


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

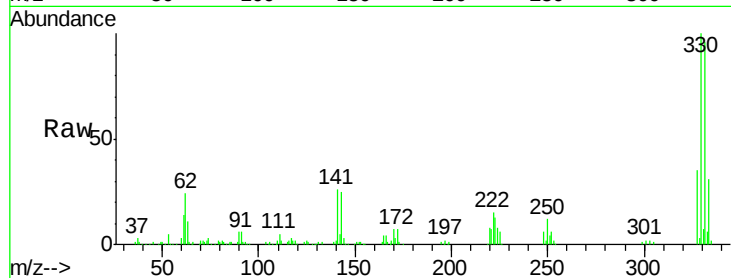




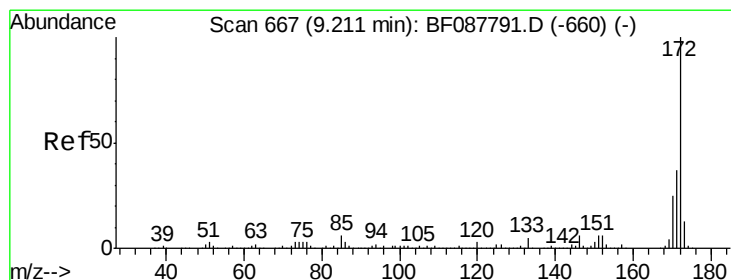
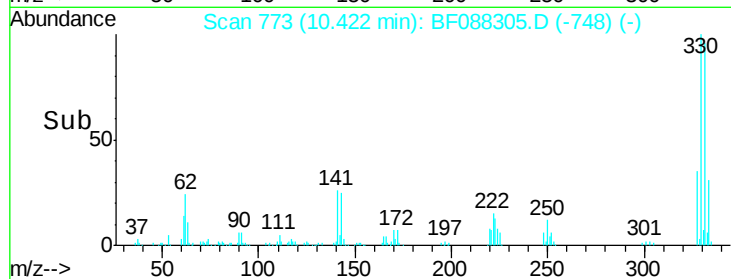
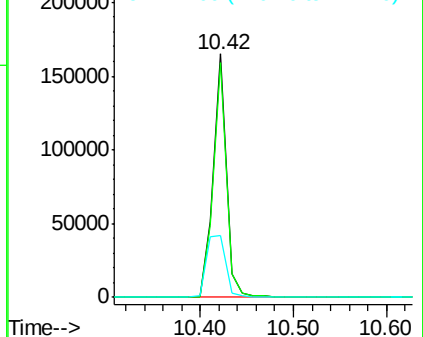
#41
 2,4,6-Tribromophenol
 Concen: 91.06 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088305.D
 Acq: 23 Jun 2016 23:09

Instrument :
 BNA_F
 ClientSampleId :
 P0-002

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	36.9	0.0	0.0#

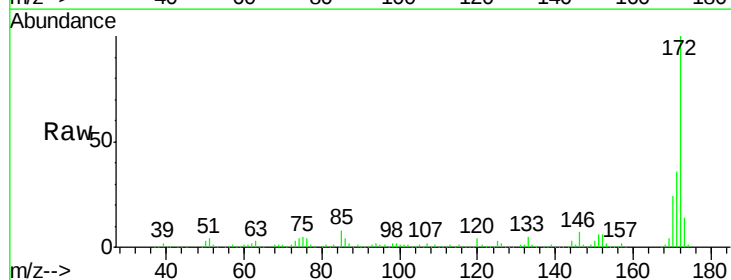


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

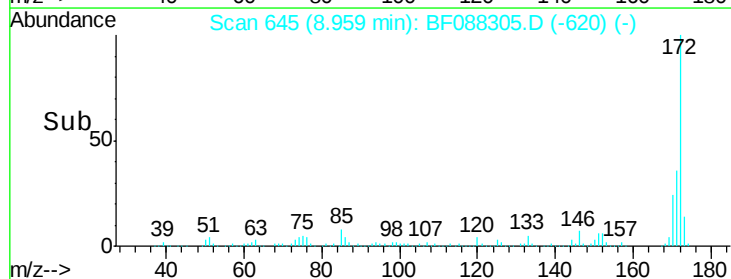
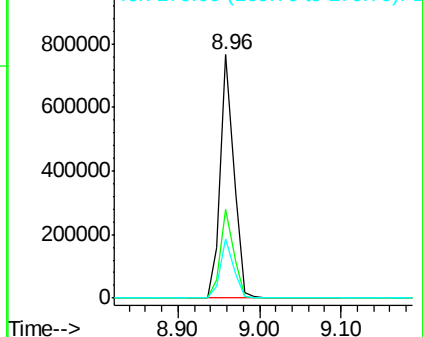


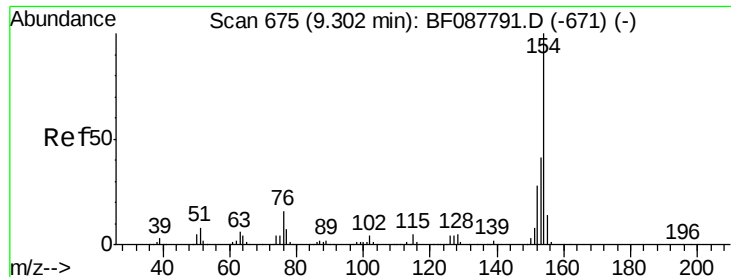
#44
 2-Fluorobiphenyl
 Concen: 80.48 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088305.D
 Acq: 23 Jun 2016 23:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	43.0
170	24.5	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.96 min Scan# 645

Delta R.T. -0.11 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

Instrument :

BNA_F

ClientSampleId :

P0-002

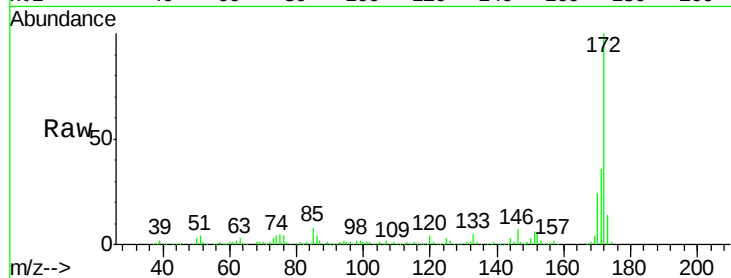
Tgt Ion:154 Resp: 1771

Ion Ratio Lower Upper

154 100

153 889.6 20.6 60.6#

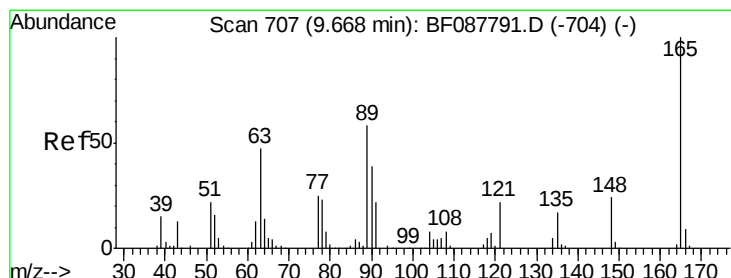
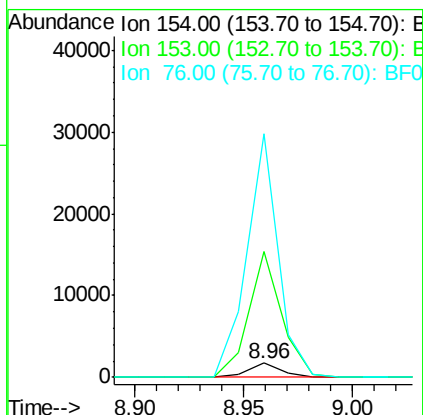
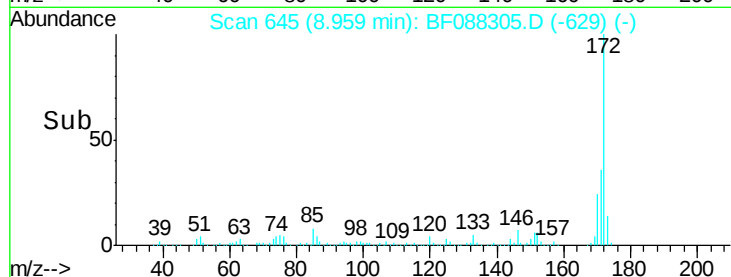
76 1725.1 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.44 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.17 min

Lab File: BF088305.D

Acq: 23 Jun 2016 23:09

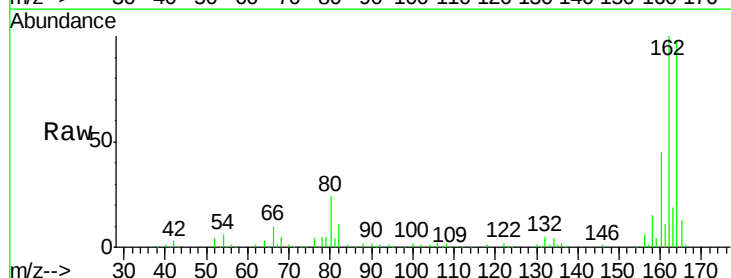
Tgt Ion:165 Resp: 21142

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

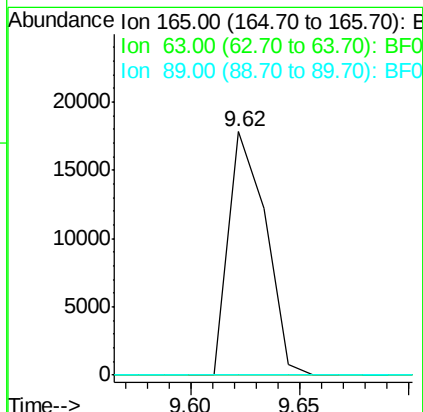
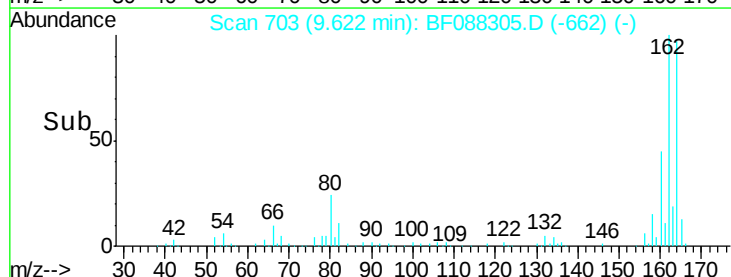
89 0.0 32.2 48.2#

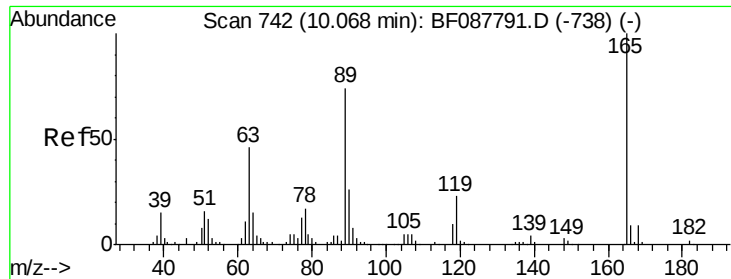


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

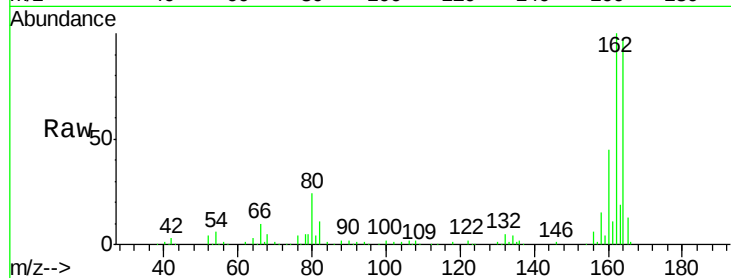




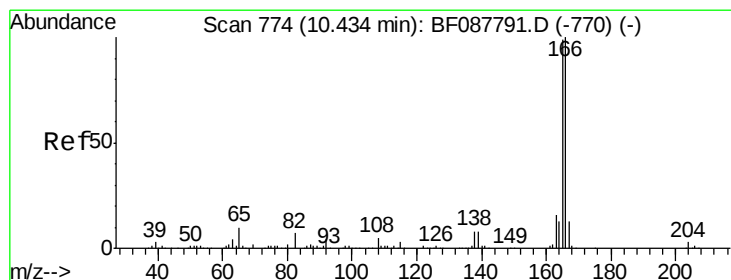
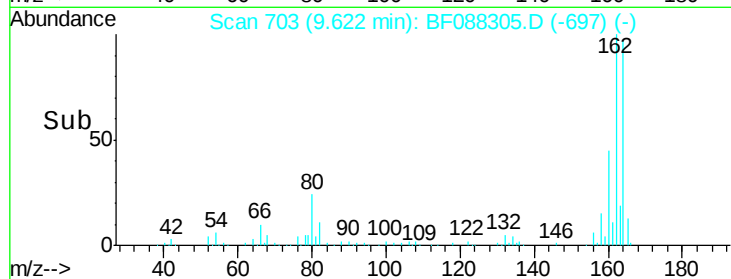
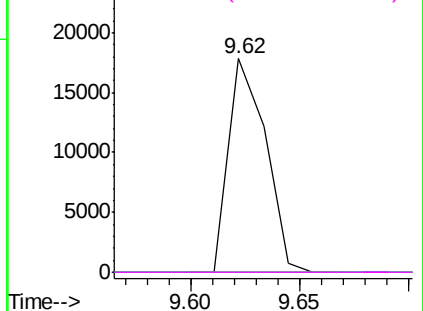
#56
2,4-Dinitrotoluene
Concen: 5.79 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.23 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Instrument :
BNA_F
ClientSampleId :
P0-002

Tgt Ion:165 Resp: 21142
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#

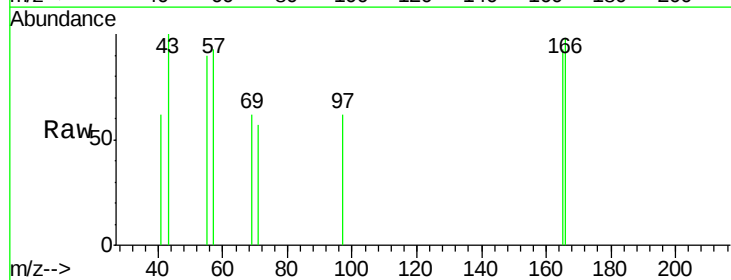


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

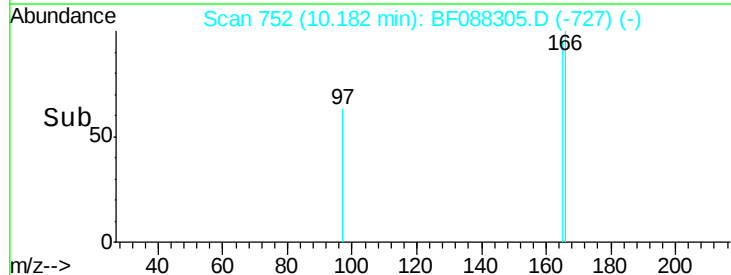
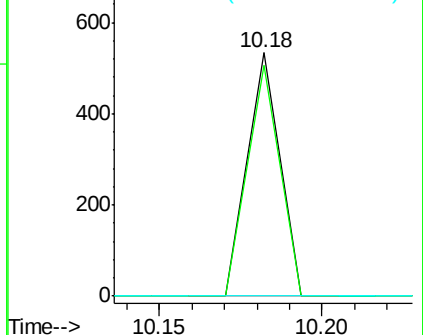


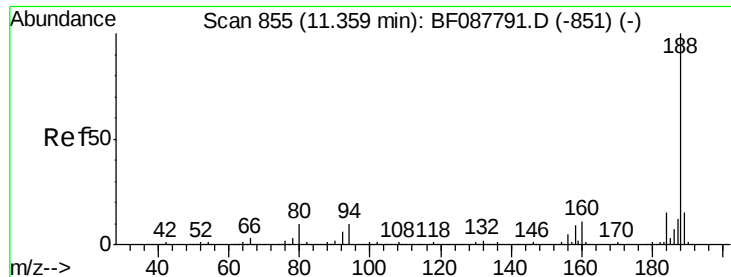
#57
Fluorene
Concen: Below Cal
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Tgt Ion:166 Resp: 366
Ion Ratio Lower Upper
166 100
165 94.9 77.8 116.8
167 0.0 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

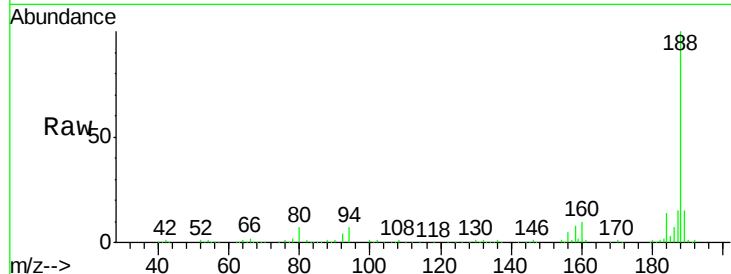




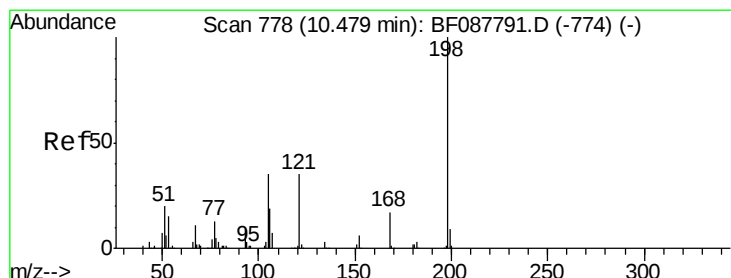
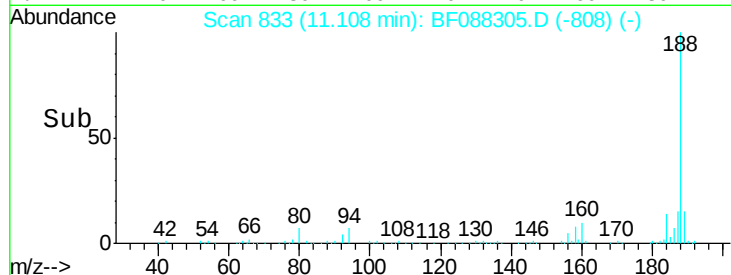
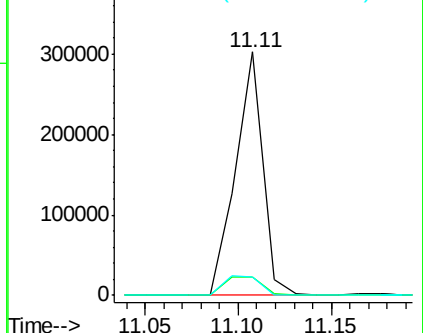
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Instrument :
BNA_F
ClientSampleId :
P0-002

Tgt Ion:188 Resp: 309849
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.6#
80 7.3 10.0 15.0#

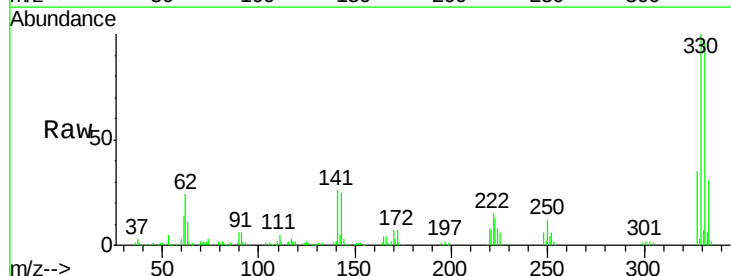


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

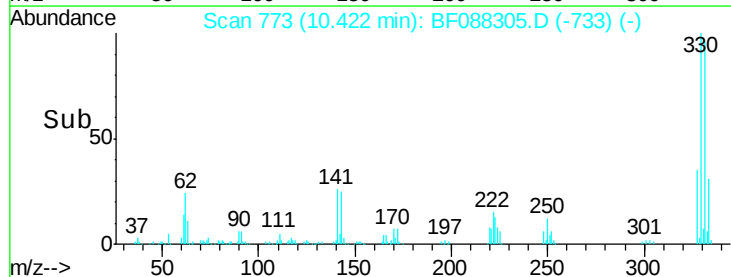
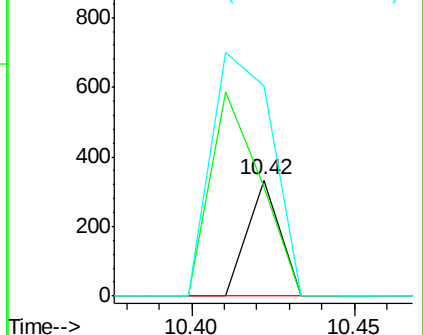


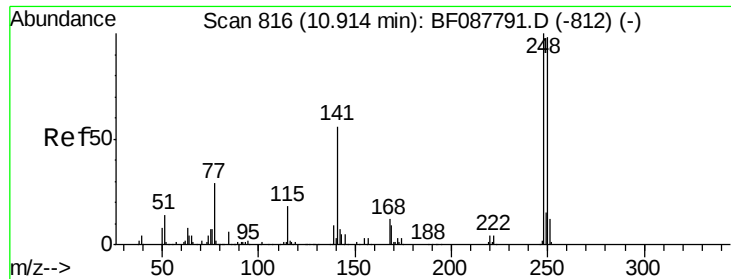
#64
4,6-Dinitro-2-methylphenol
Concen: 2.27 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.16 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Tgt Ion:198 Resp: 228
Ion Ratio Lower Upper
198 100
51 94.6 39.6 79.6#
105 181.4 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

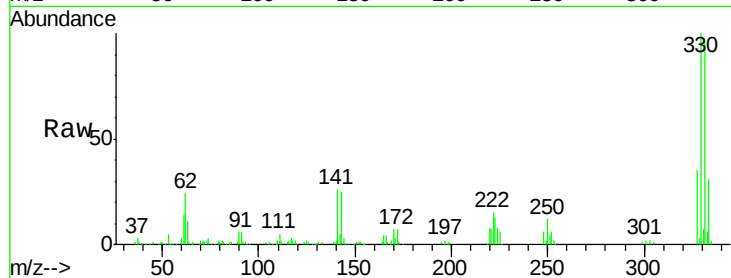




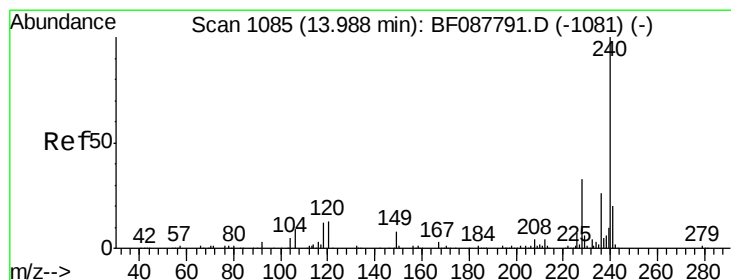
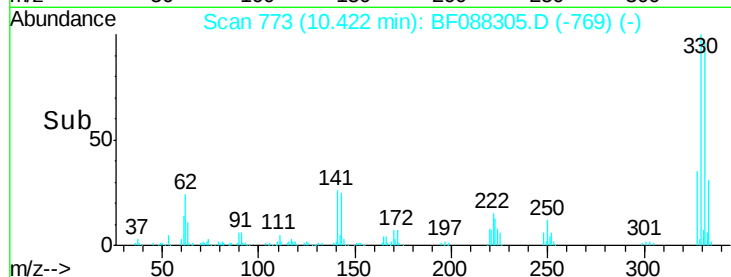
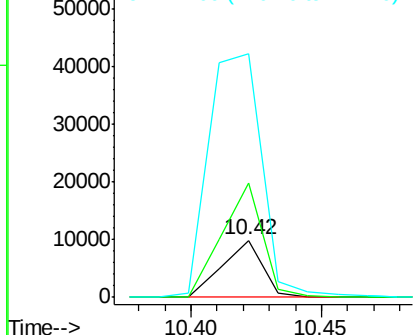
#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Instrument :
BNA_F
ClientSampled :
P0-002

Tgt Ion:248 Resp: 10617
Ion Ratio Lower Upper
248 100
250 201.8 77.1 115.7#
141 428.5 50.6 76.0#

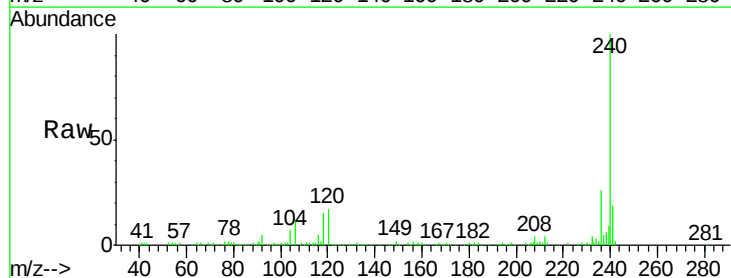


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

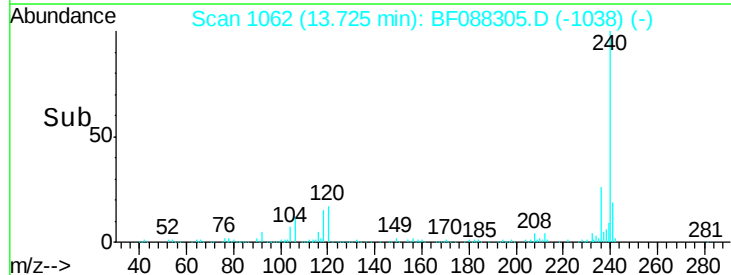
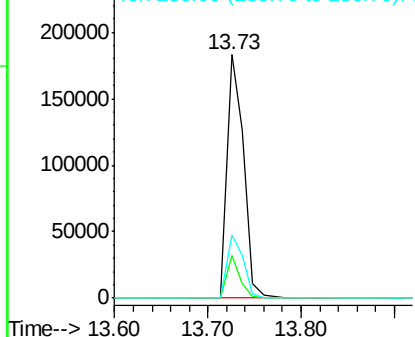


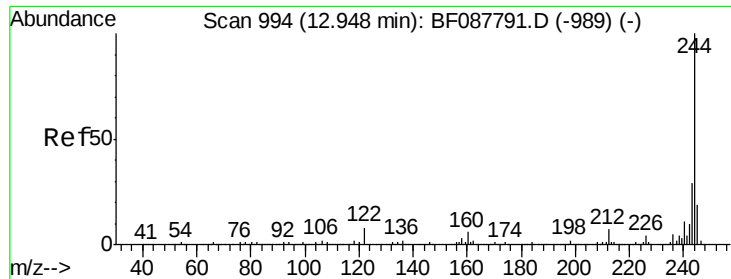
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF088305.D
Acq: 23 Jun 2016 23:09

Tgt Ion:240 Resp: 224088
Ion Ratio Lower Upper
240 100
120 17.3 6.8 10.2#
236 26.1 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

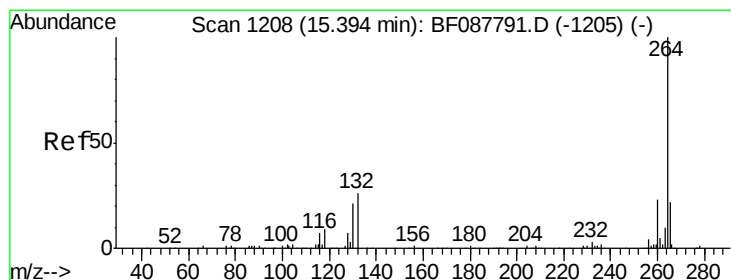
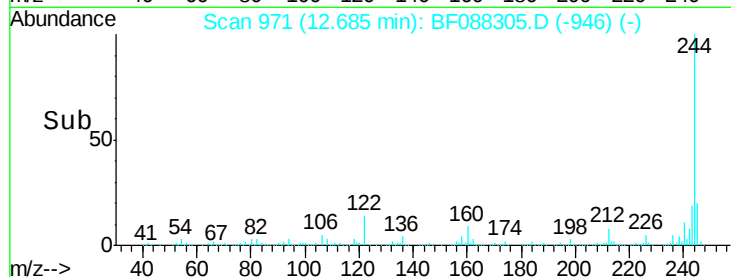
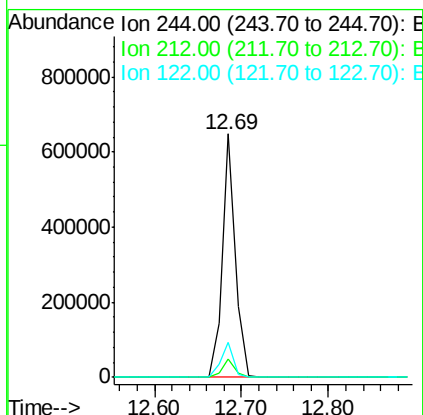
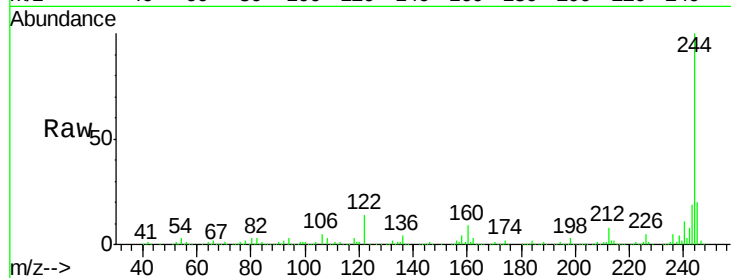




#78
 Terphenyl-d14
 Concen: 68.79 ng
 RT: 12.69 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BF088305.D
 Acq: 23 Jun 2016 23:09

Instrument :
 BNA_F
 ClientSampleId :
 P0-002

Tgt Ion:244 Resp: 677376
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF088305.D
 Acq: 23 Jun 2016 23:09

Tgt Ion:264 Resp: 185650
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.5 16.9 25.3

