

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062116\
 Data File : BF088228.D
 Acq On : 21 Jun 2016 22:41
 Operator : UM/SJ
 Sample : PB91389BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91389BL

Quant Time: Jun 22 00:52:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	89735	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	334387	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	162371	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	323127	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	262951	20.00	ng	-0.01
86) Perylene-d12	15.17	264	191474	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	663105	126.33	ng	0.00
7) Phenol-d6	6.31	99	731792	115.04	ng	-0.02
23) Nitrobenzene-d5	7.22	82	491748	85.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	207500	121.03	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	936020	90.95	ng	-0.02
78) Terphenyl-d14	12.75	244	890140	77.03	ng	-0.01

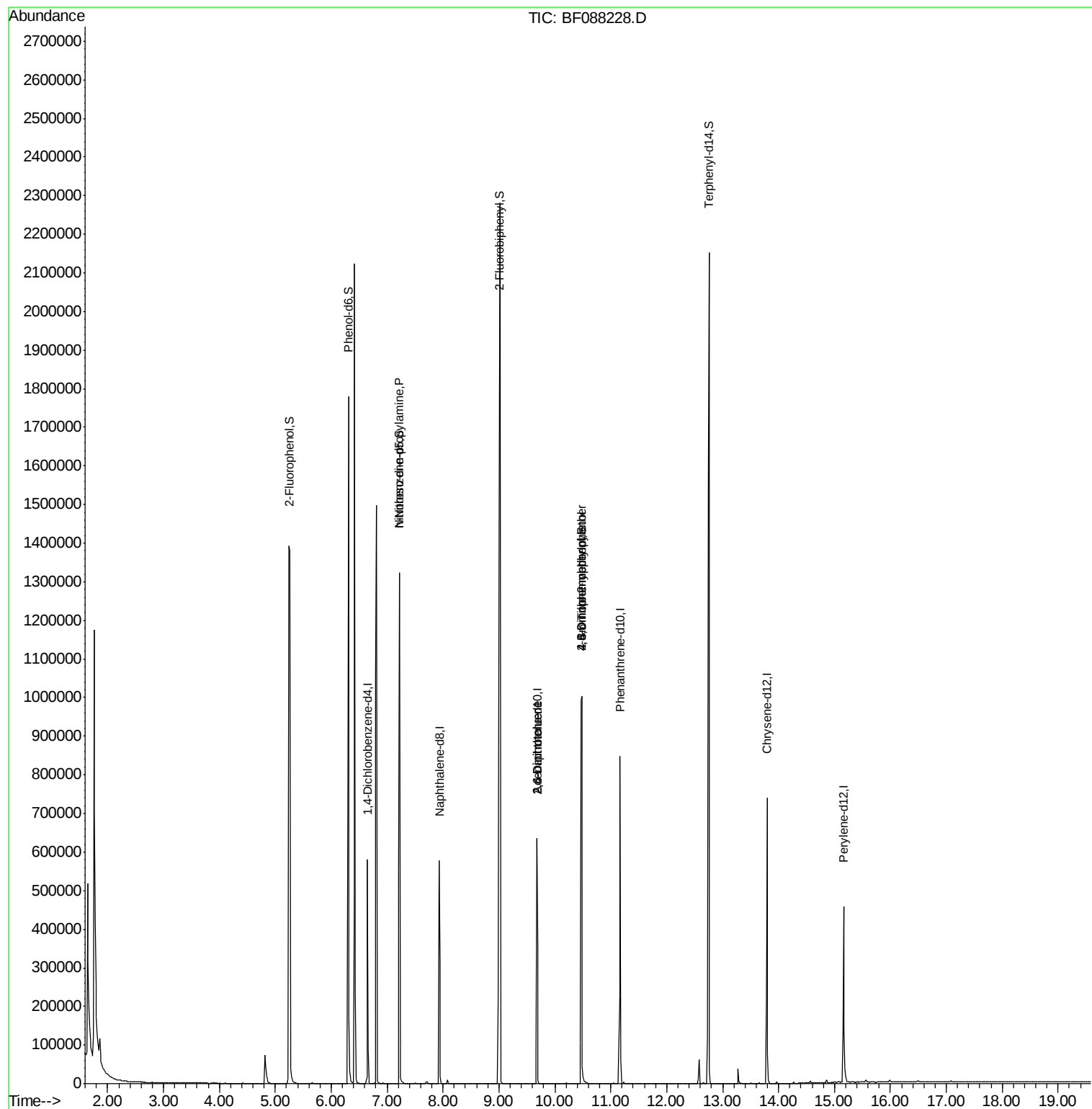
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	881	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	64255	15.79	ng	69
45) 1,1'-Biphenyl	9.02	154	1723	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.68	165	20383	7.57	ng	37
56) 2,4-Dinitrotoluene	9.68	165	20383	5.89	ng	36
57) Fluorene	10.47	166	9348	Below Cal	#	86
64) 4,6-Dinitro-2-methylphenol	10.48	198	448	2.37	ng	31
66) 4-Bromophenyl-phenylether	10.48	248	13220	3.81	ng	1

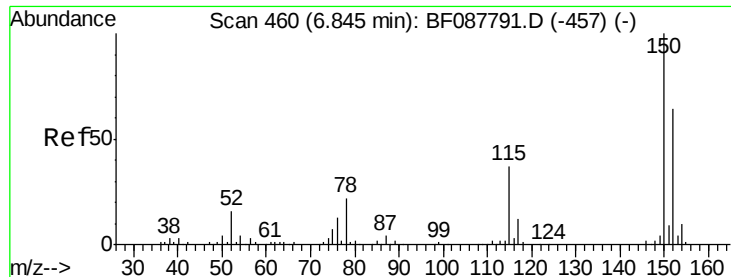
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

Instrument :

BNA_F

ClientSampleId :

PB91389BL

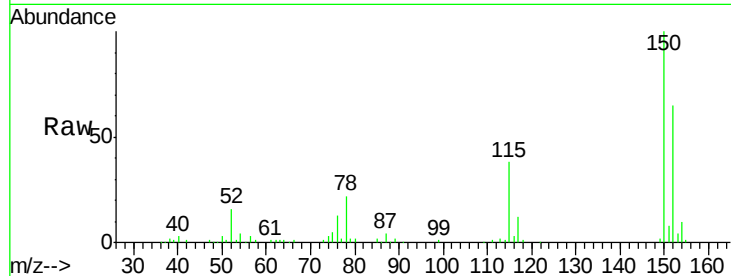
Tgt Ion:152 Resp: 89735

Ion Ratio Lower Upper

152 100

150 153.8 123.8 185.6

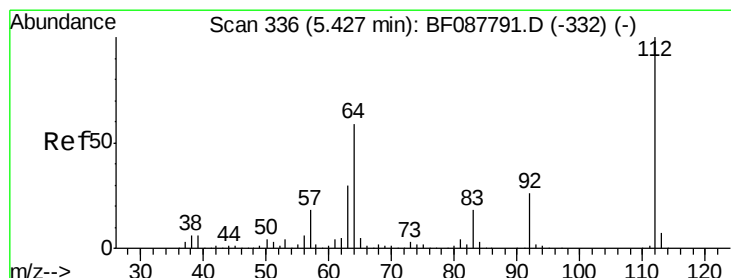
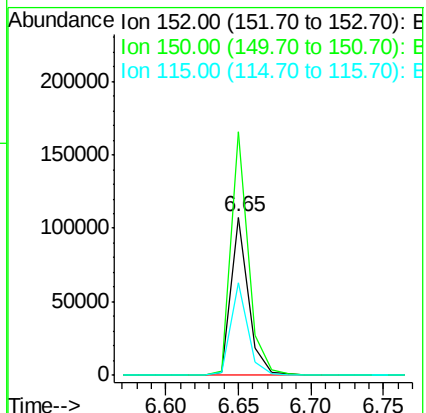
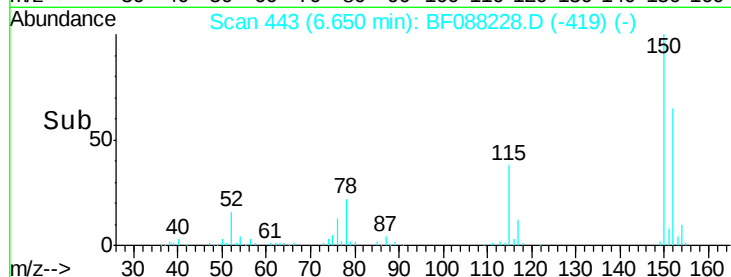
115 58.8 39.6 59.4



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: 126.33 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.00 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

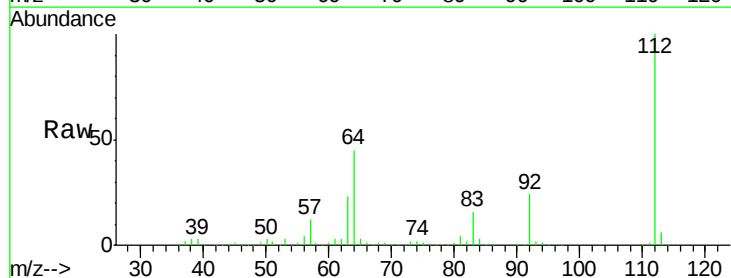
Tgt Ion:112 Resp: 663105

Ion Ratio Lower Upper

112 100

64 44.7 42.2 63.2

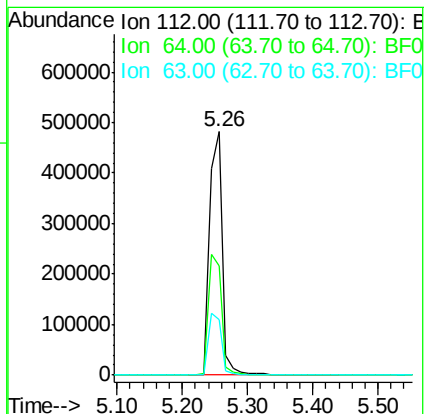
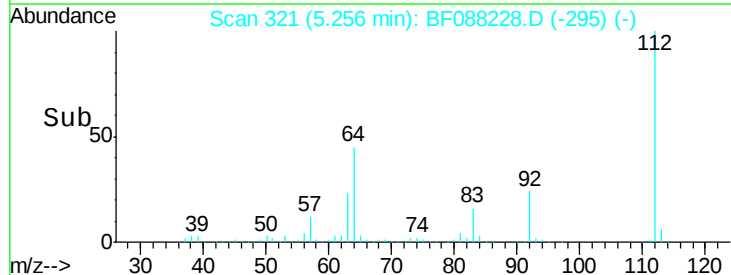
63 22.5 21.8 32.8



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: 115.04 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

Instrument :

BNA_F

ClientSampleId :

PB91389BL

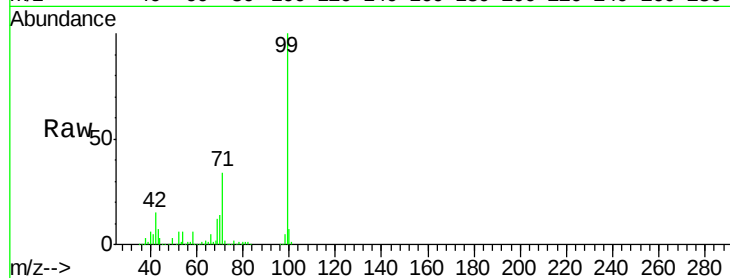
Tgt Ion: 99 Resp: 731792

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

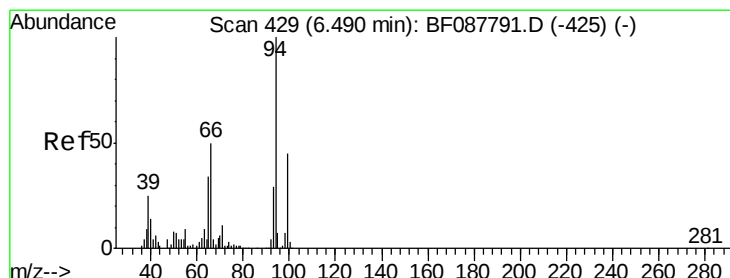
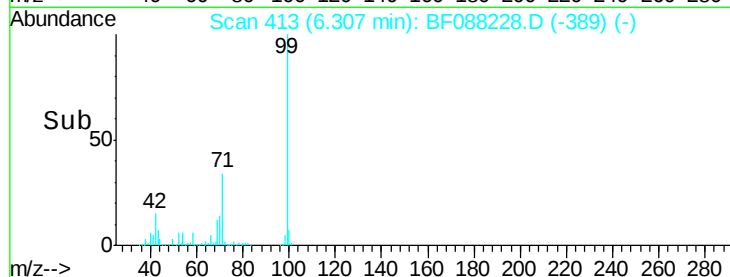
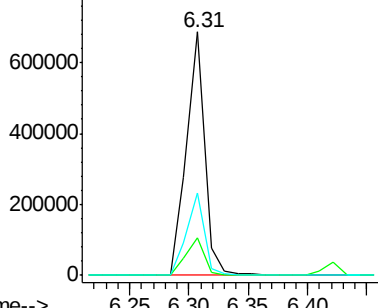
71 33.6 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. 0.08 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

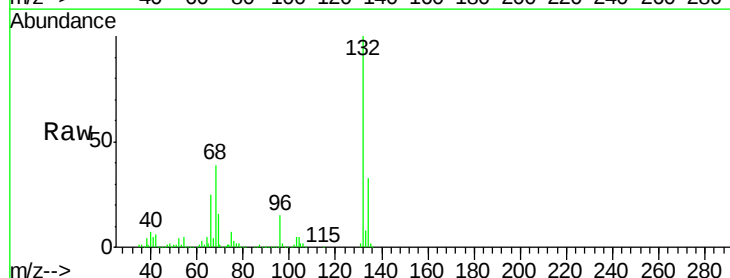
Tgt Ion: 94 Resp: 881

Ion Ratio Lower Upper

94 100

65 987.2 5.9 45.9#

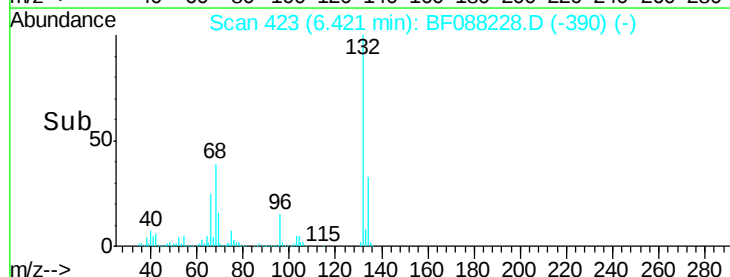
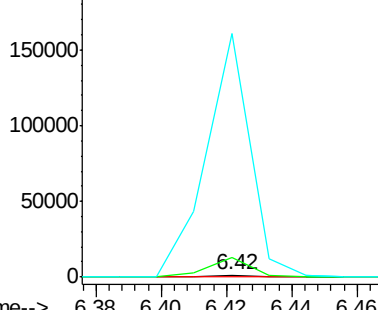
66 12516.1 14.0 54.0#

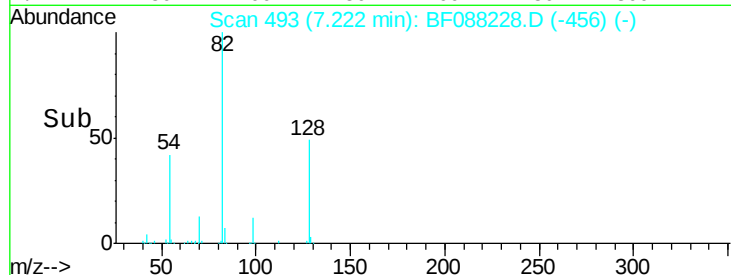
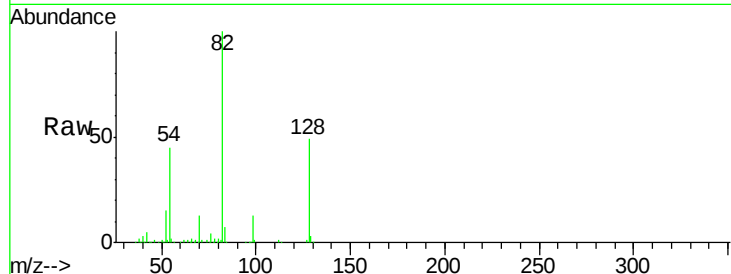
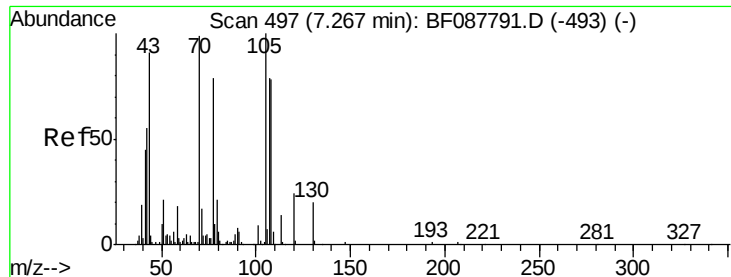


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

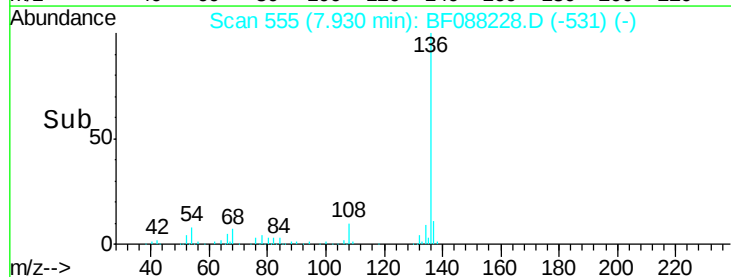
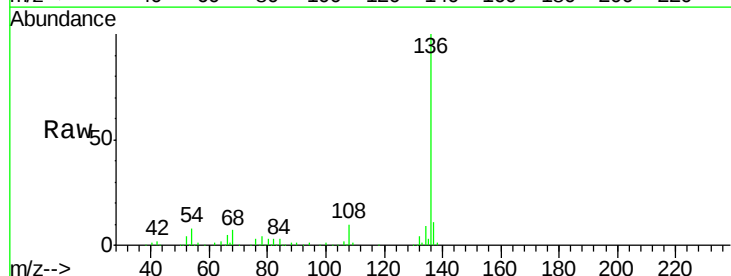
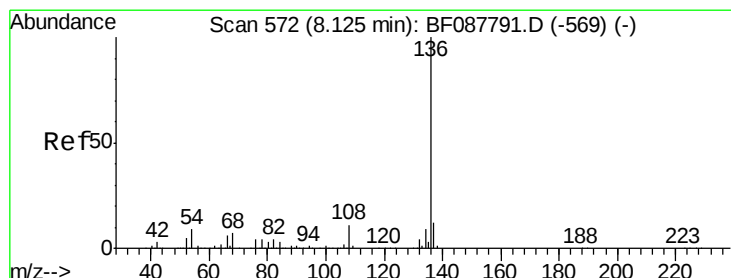
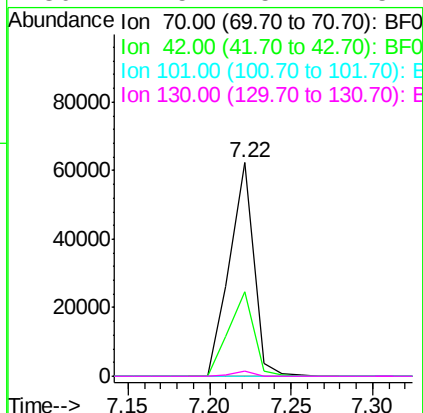




#19
n-Nitroso-di-n-propylamine
Concen: 15.79 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.13 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

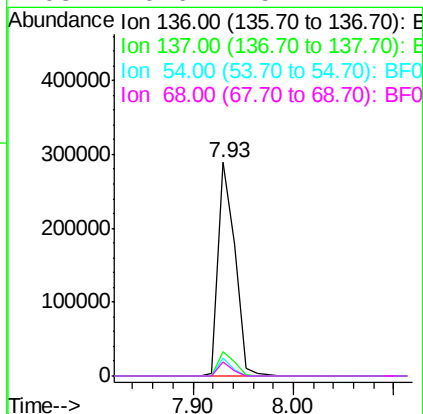
Instrument :
BNA_F
ClientSampleId :
PB91389BL

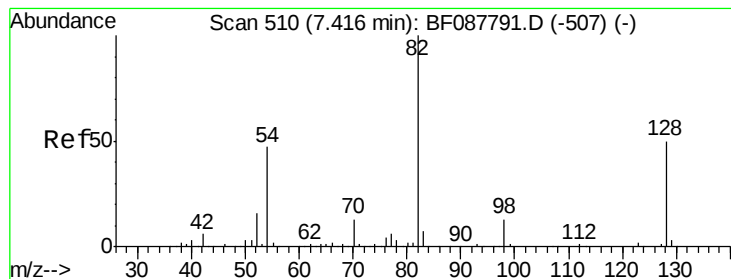
Tgt Ion:	70	Resp:	64255
Ion	Ratio	Lower	Upper
70	100		
42	39.5	49.6	74.4#
101	0.0	7.1	10.7#
130	2.5	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

Tgt Ion:	136	Resp:	334387
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.3	6.6	10.0
68	6.6	5.1	7.7





#23

Nitrobenzene-d5

Concen: 85.87 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

Instrument :

BNA_F

ClientSampleId :

PB91389BL

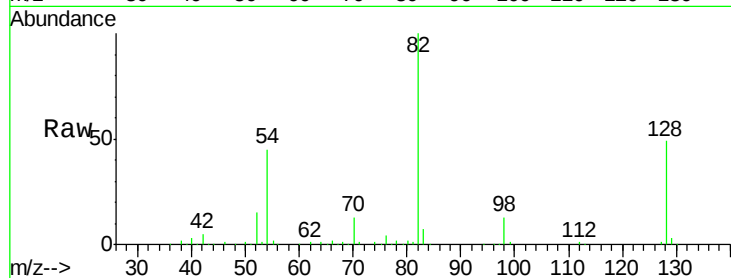
Tgt Ion: 82 Resp: 491748

Ion Ratio Lower Upper

82 100

128 48.6 35.9 53.9

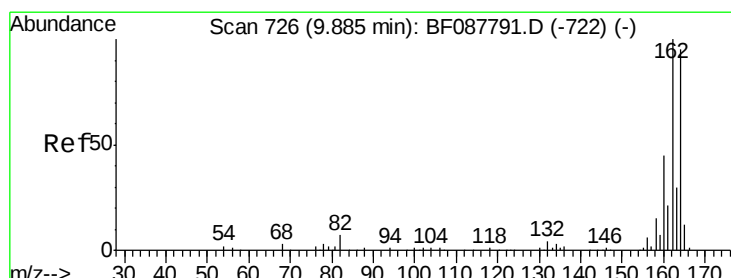
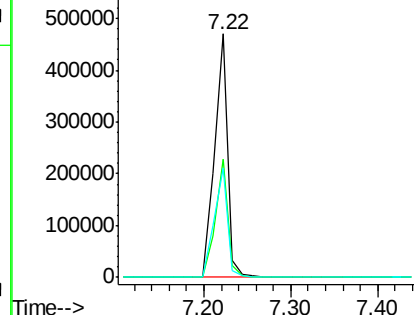
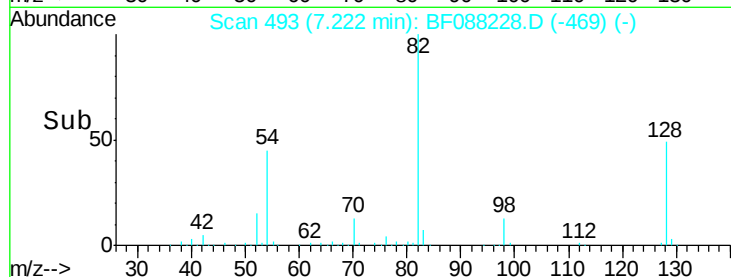
54 45.1 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

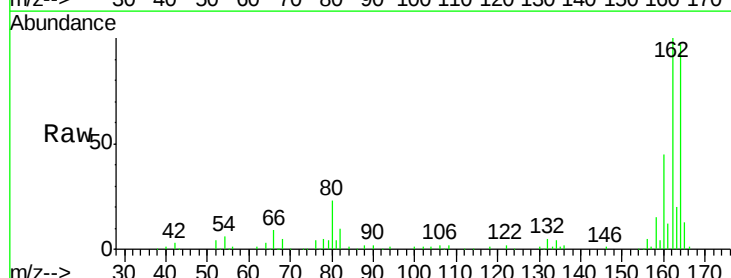
Tgt Ion: 164 Resp: 162371

Ion Ratio Lower Upper

164 100

162 102.8 85.4 128.2

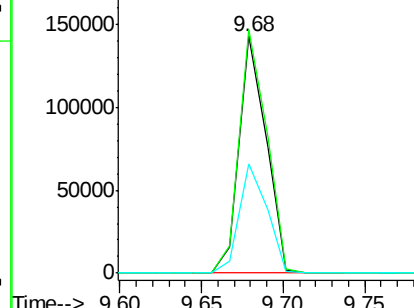
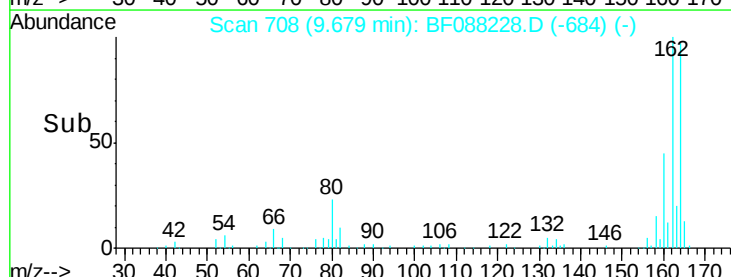
160 45.9 39.5 59.3

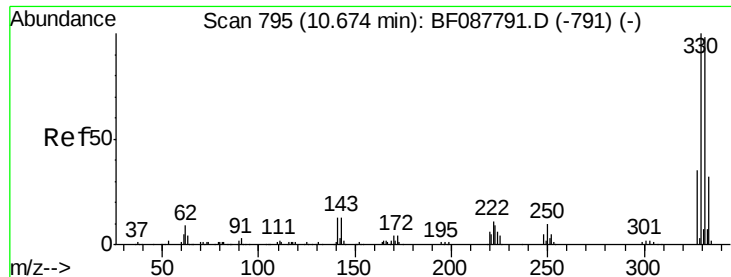


Abundance Ion 164.00 (163.70 to 164.70): B

Ion 162.00 (161.70 to 162.70): B

Ion 160.00 (159.70 to 160.70): B

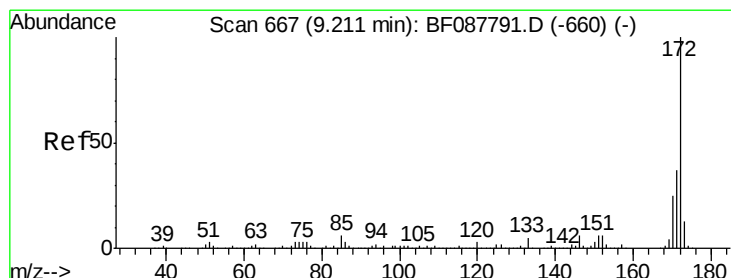
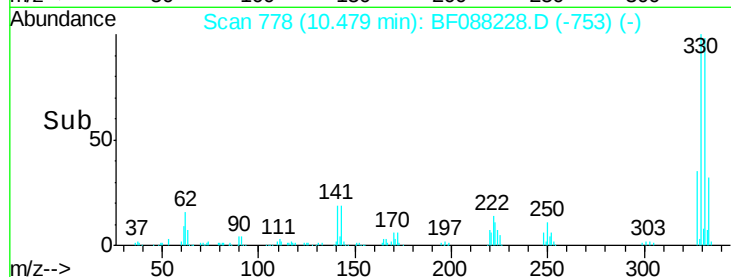
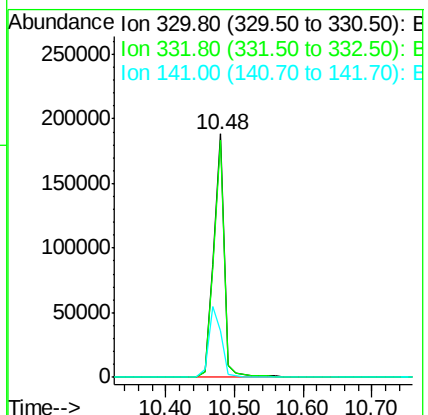
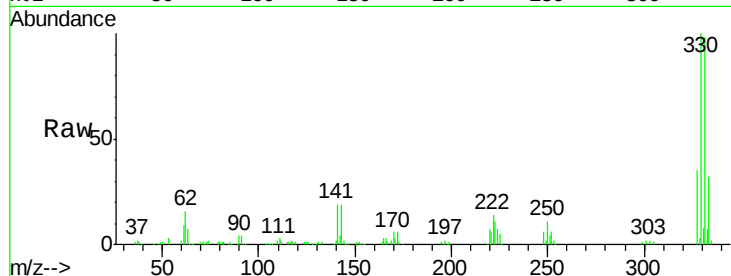




#41
 2,4,6-Tribromophenol
 Concen: 121.03 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF088228.D
 Acq: 21 Jun 2016 22:41

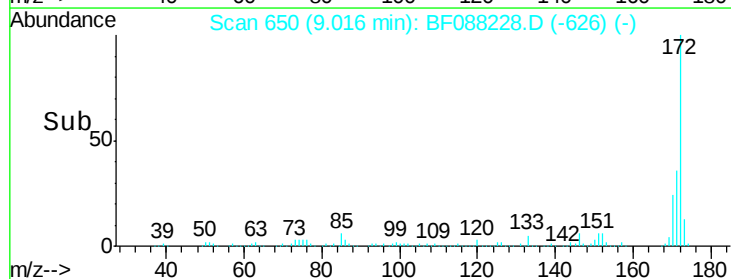
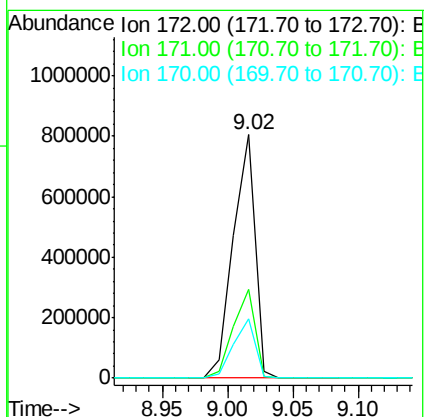
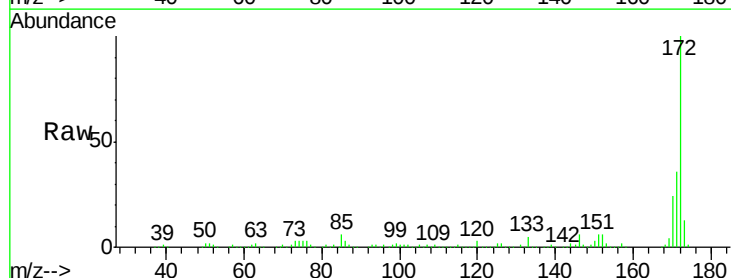
Instrument :
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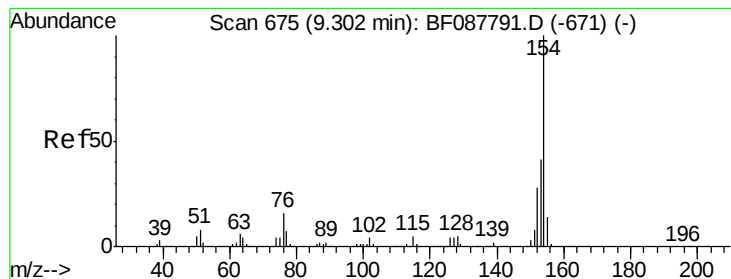
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	34.2	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 90.95 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088228.D
 Acq: 21 Jun 2016 22:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.3	19.2	28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.02 min Scan# 650

Delta R.T. -0.11 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

Instrument :

BNA_F

ClientSampleId :

PB91389BL

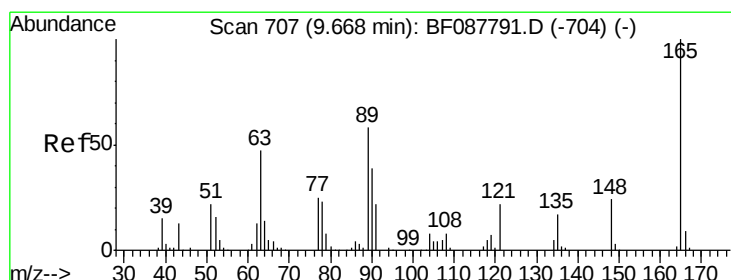
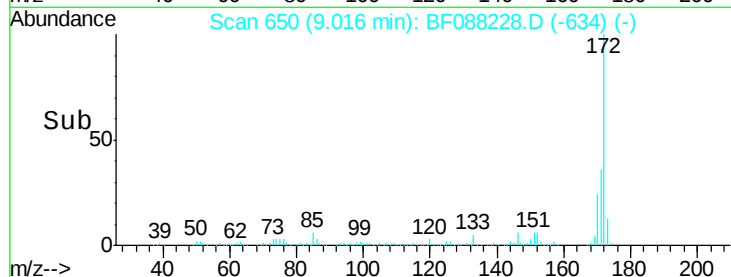
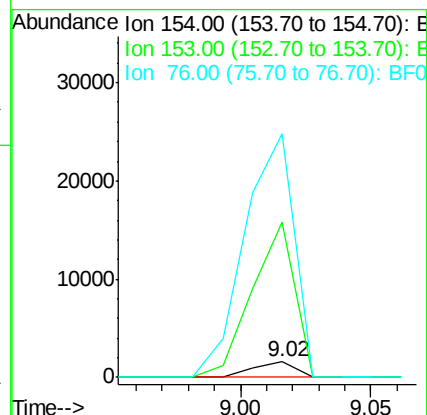
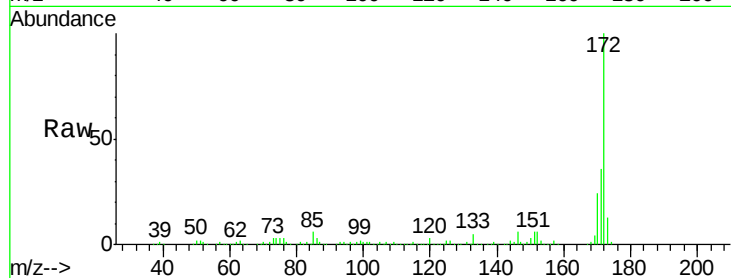
Tgt Ion:154 Resp: 1723

Ion Ratio Lower Upper

154 100

153 1018.5 20.6 60.6#

76 1591.3 0.0 35.1#



#50

2,6-Dinitrotoluene

Concen: 7.57 ng

RT: 9.68 min Scan# 708

Delta R.T. 0.17 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

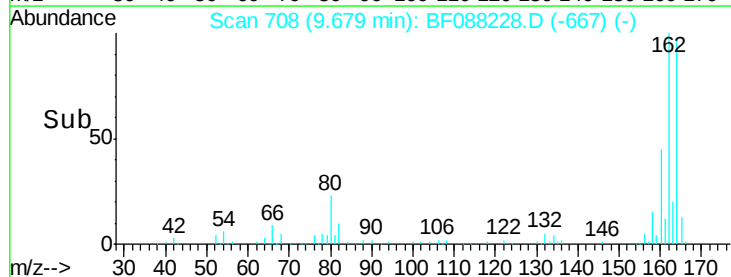
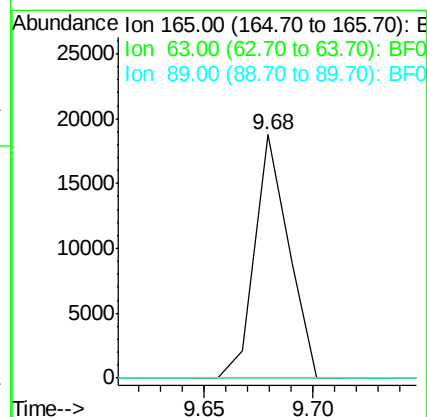
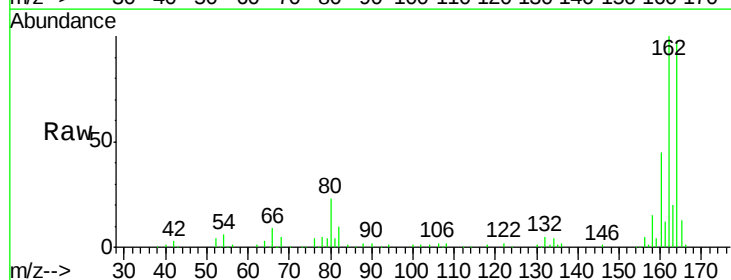
Tgt Ion:165 Resp: 20383

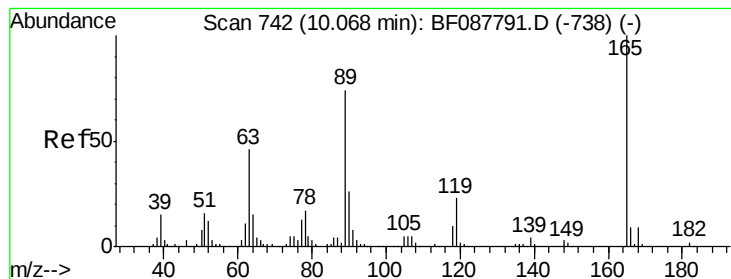
Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

89 0.0 32.2 48.2#





#56

2,4-Dinitrotoluene

Concen: 5.89 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.23 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

Instrument :

BNA_F

ClientSampleId :

PB91389BL

Tgt Ion:165 Resp: 20383

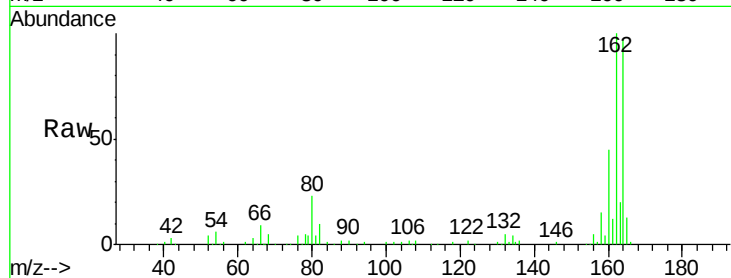
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

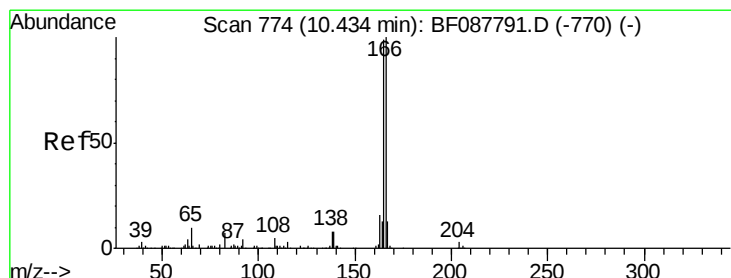
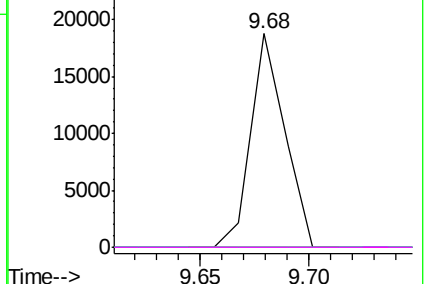
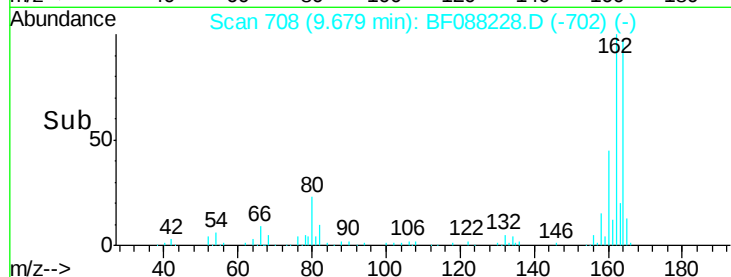


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.47 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF088228.D

Acq: 21 Jun 2016 22:41

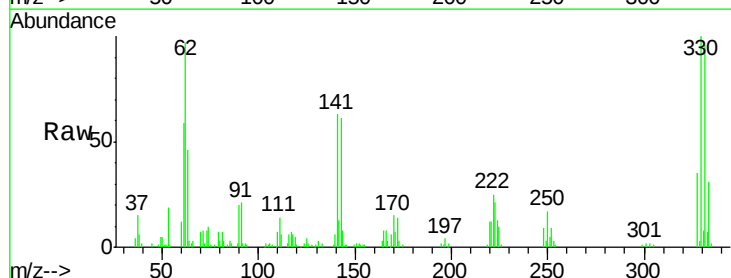
Tgt Ion:166 Resp: 9348

Ion Ratio Lower Upper

166 100

165 105.7 77.8 116.8

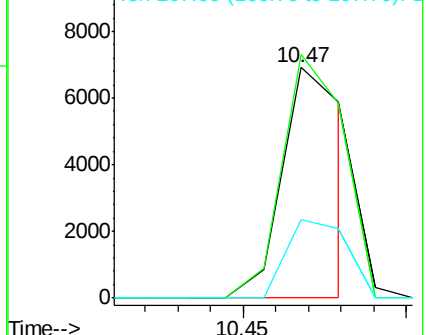
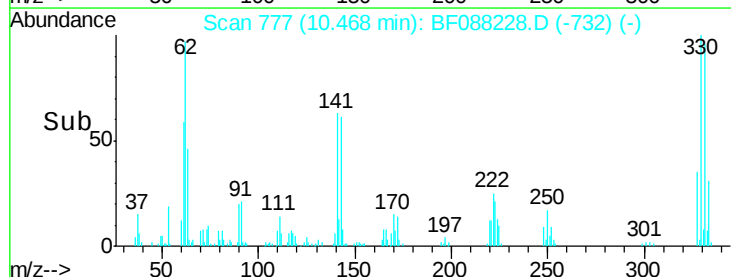
167 33.9 11.2 16.8#

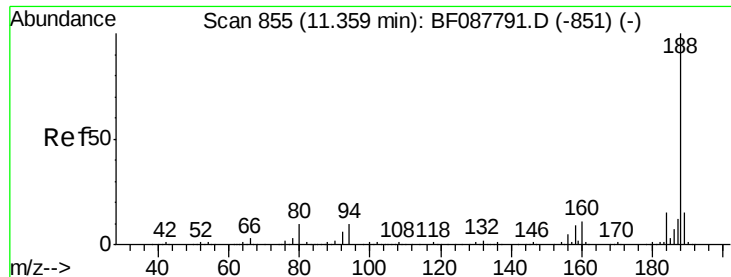


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

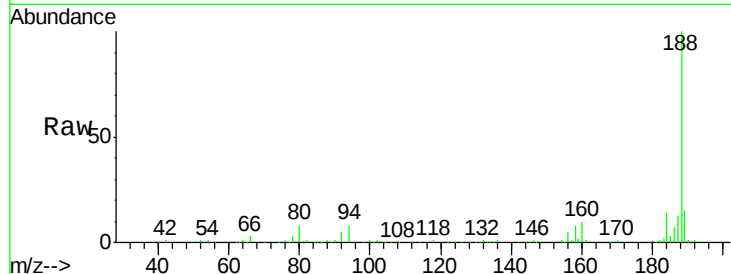




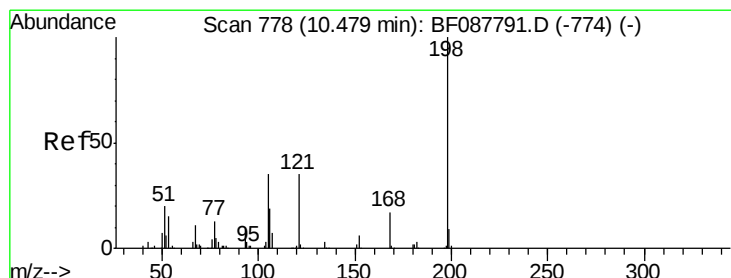
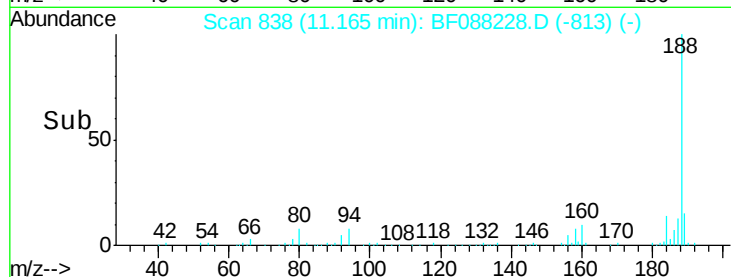
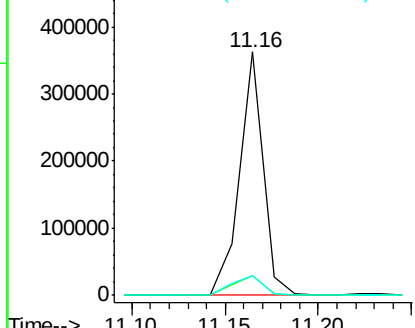
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

Instrument :
BNA_F
ClientSampleID :
PB91389BL

Tgt Ion:188 Resp: 323127
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.6#
80 8.3 10.0 15.0#

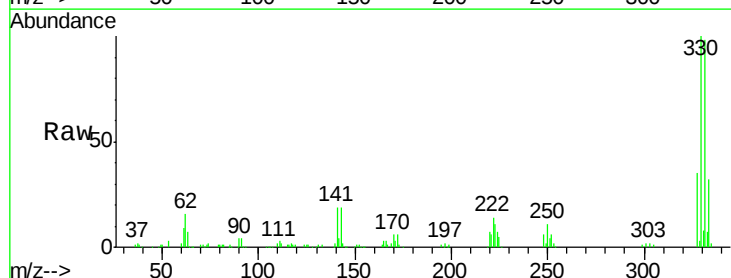


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

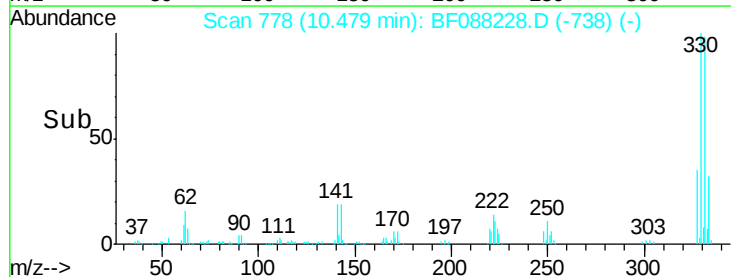
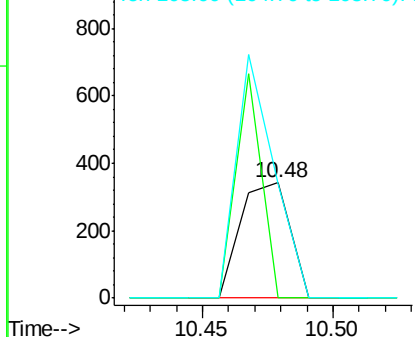


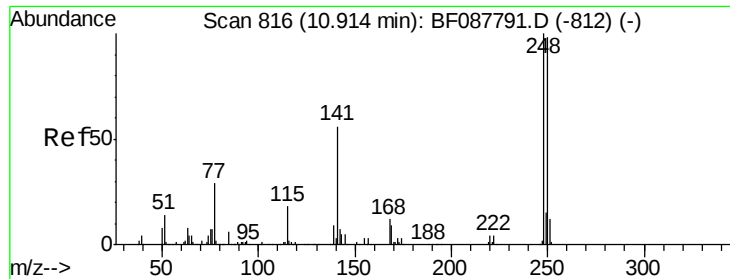
#64
4,6-Dinitro-2-methylphenol
Concen: 2.37 ng
RT: 10.48 min Scan# 778
Delta R.T. 0.16 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

Tgt Ion:198 Resp: 448
Ion Ratio Lower Upper
198 100
51 0.0 39.6 79.6#
105 99.4 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

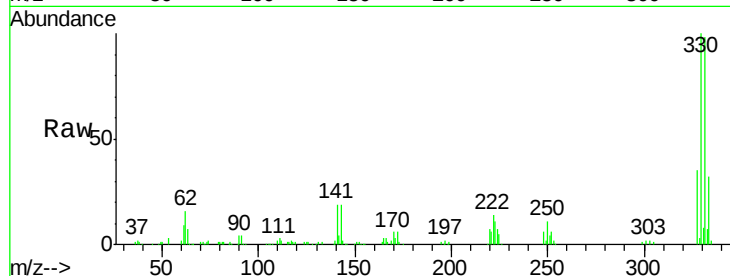




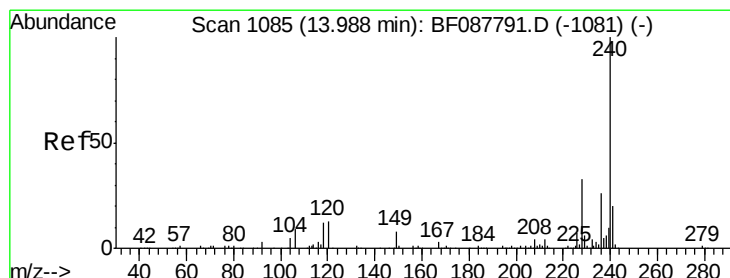
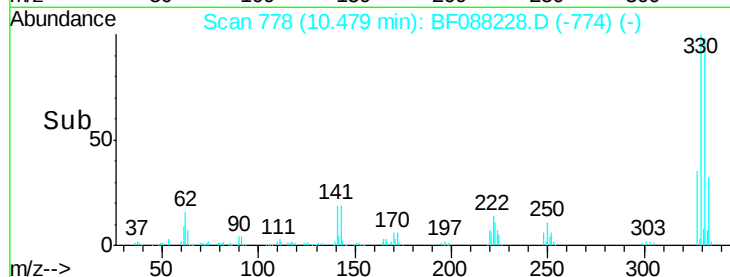
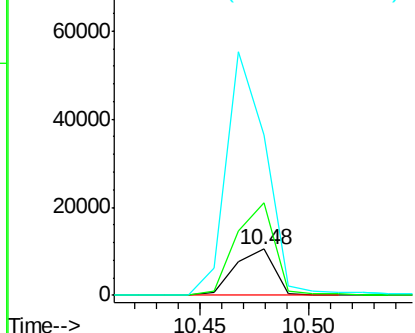
#66
4-Bromophenyl-phenylether
Concen: 3.81 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.25 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

Instrument :
BNA_F
ClientSampleId :
PB91389BL

Tgt Ion:248 Resp: 13220
Ion Ratio Lower Upper
248 100
250 200.2 77.1 115.7#
141 345.3 50.6 76.0#

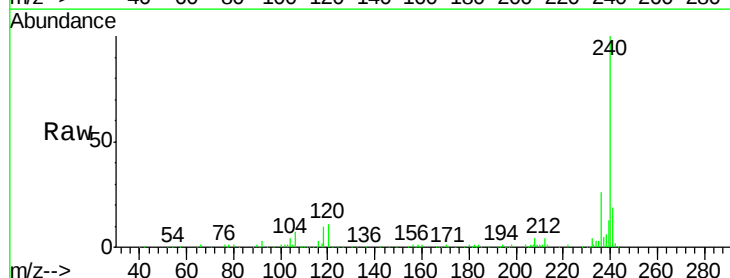


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

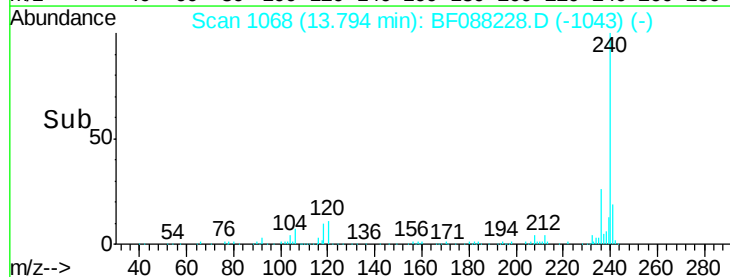
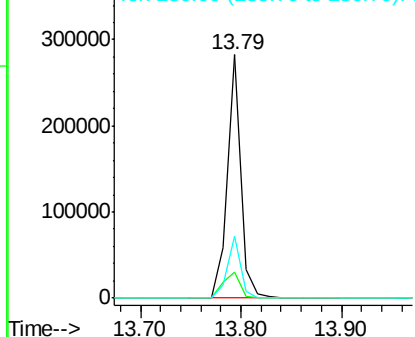


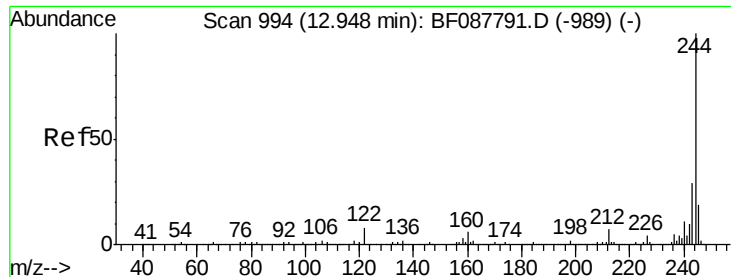
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF088228.D
Acq: 21 Jun 2016 22:41

Tgt Ion:240 Resp: 262951
Ion Ratio Lower Upper
240 100
120 10.9 6.8 10.2#
236 25.5 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

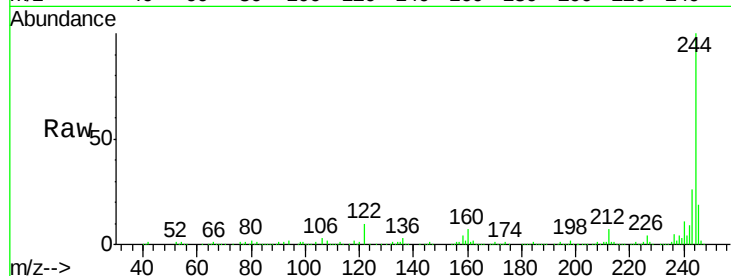




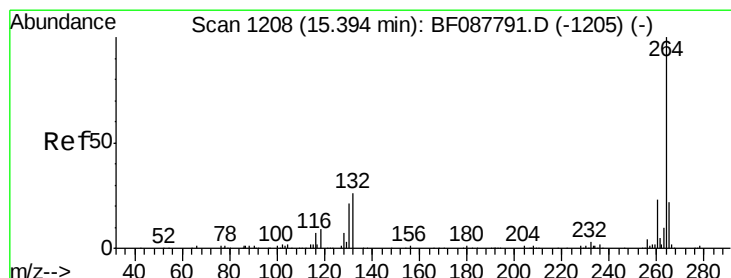
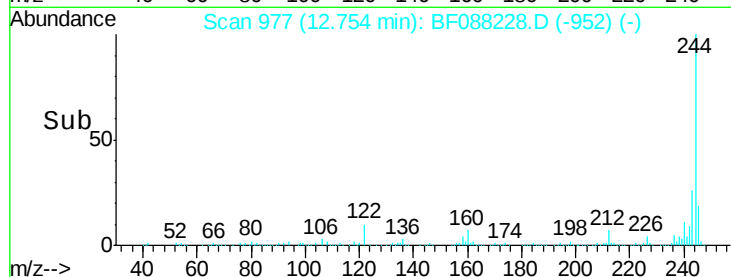
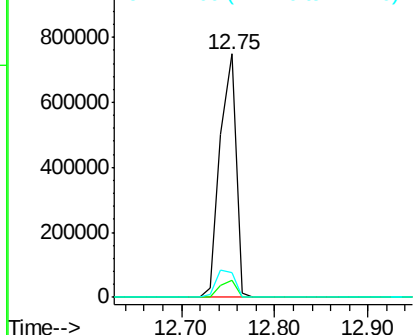
#78
 Terphenyl-d14
 Concen: 77.03 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088228.D
 Acq: 21 Jun 2016 22:41

Instrument :
 BNA_F
 ClientSampleId :
 PB91389BL

Tgt Ion:244 Resp: 890140
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 10.1 11.2 16.8#

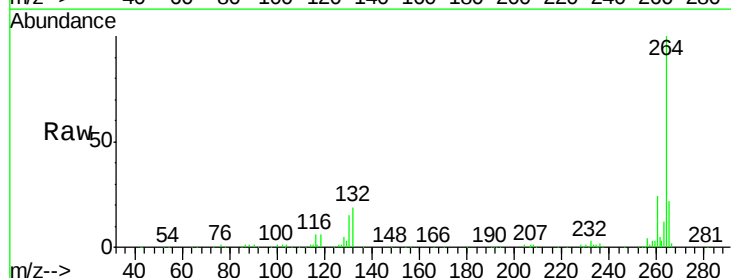


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF088228.D
 Acq: 21 Jun 2016 22:41

Tgt Ion:264 Resp: 191474
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.8 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

