

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088153.D
 Acq On : 19 Jun 2016 00:53
 Operator : UM/SJ
 Sample : PB91406TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91406TB

Quant Time: Jun 19 07:53:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

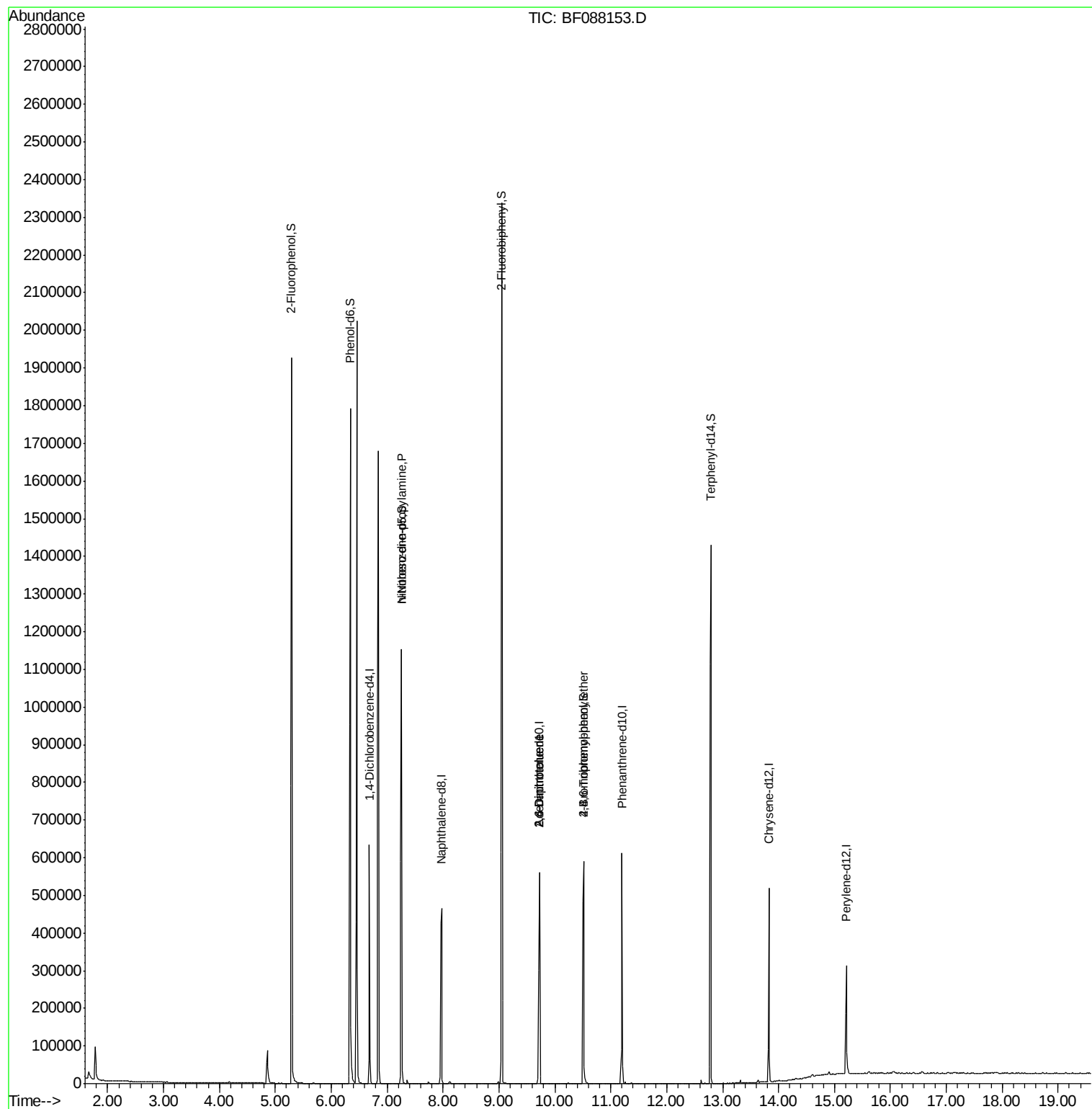
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	93618	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	335226	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	135241	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	213641	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	168654	20.00	ng	-0.02
86) Perylene-d12	15.21	264	131181	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	631702	115.35	ng	0.01
7) Phenol-d6	6.34	99	740017	111.50	ng	-0.01
23) Nitrobenzene-d5	7.26	82	445822	77.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	108894	76.26	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	766257	89.29	ng	-0.02
78) Terphenyl-d14	12.79	244	608932	82.16	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	845	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	56402	13.28	ng	# 69
45) 1,1'-Biphenyl	9.05	154	1487	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.72	165	17268	7.70	ng	# 37
56) 2,4-Dinitrotoluene	9.72	165	17268	5.99	ng	# 36
57) Fluorene	10.50	166	5289	Below Cal	#	86
66) 4-Bromophenyl-phenylether	10.51	248	6883	3.00	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: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

Instrument :

BNA_F

ClientSampleId :

PB91406TB

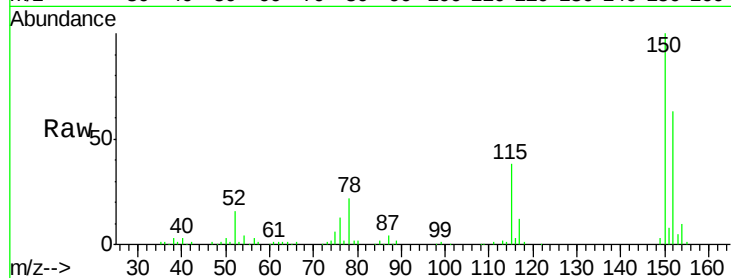
Tgt Ion:152 Resp: 93618

Ion Ratio Lower Upper

152 100

150 158.1 123.8 185.6

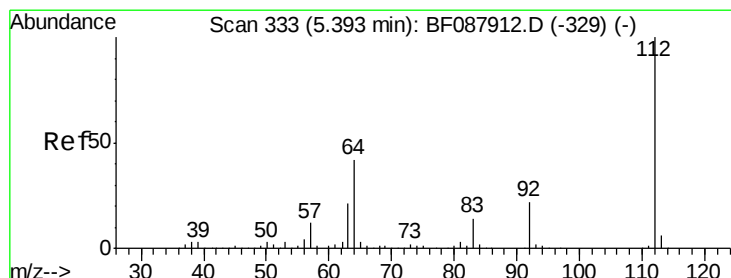
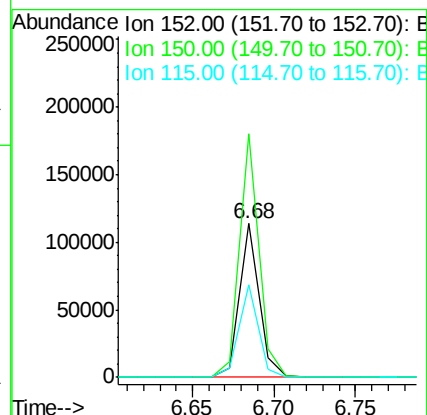
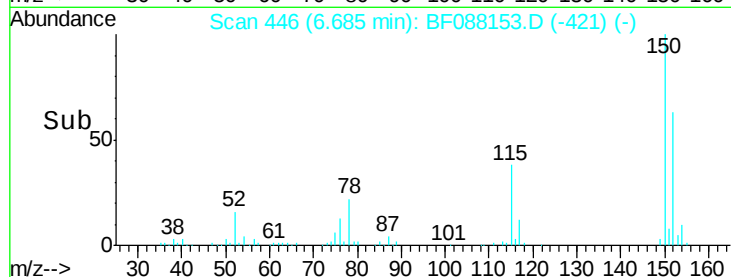
115 59.8 39.6 59.4#



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: 115.35 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

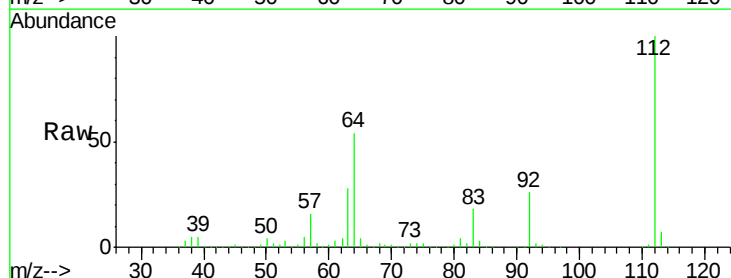
Tgt Ion:112 Resp: 631702

Ion Ratio Lower Upper

112 100

64 53.6 42.2 63.2

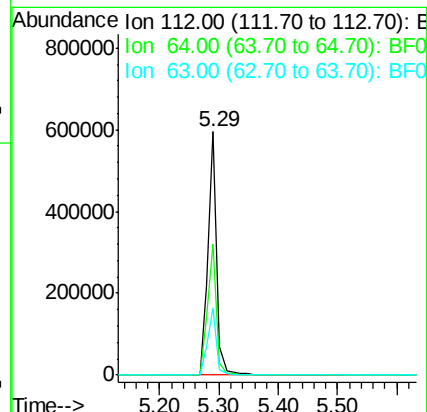
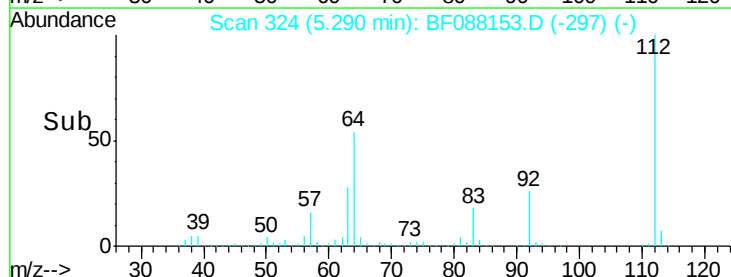
63 27.6 21.8 32.8

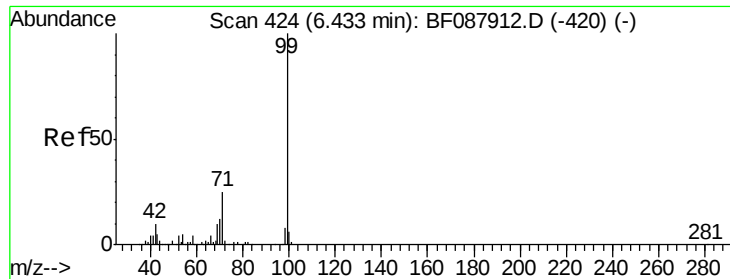


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.50 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

Instrument :

BNA_F

ClientSampleId :

PB91406TB

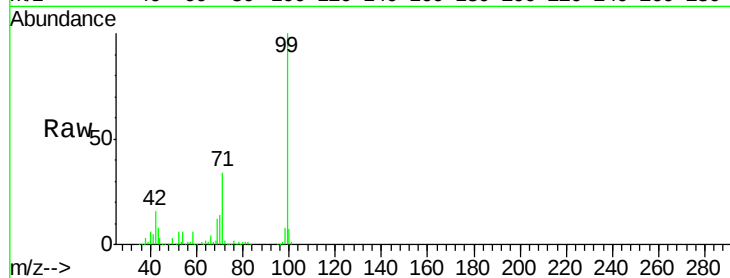
Tgt Ion: 99 Resp: 740017

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

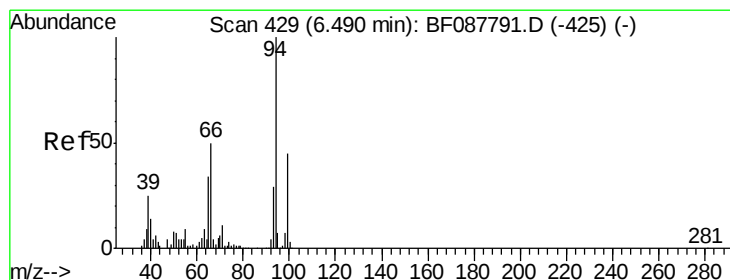
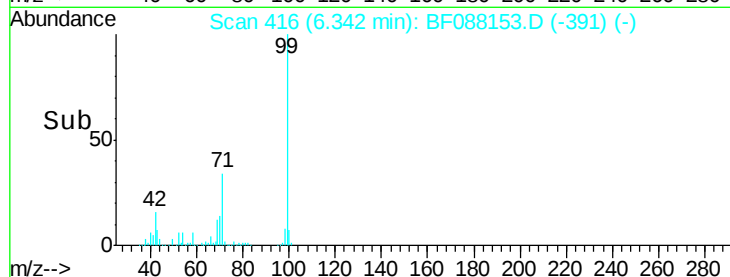
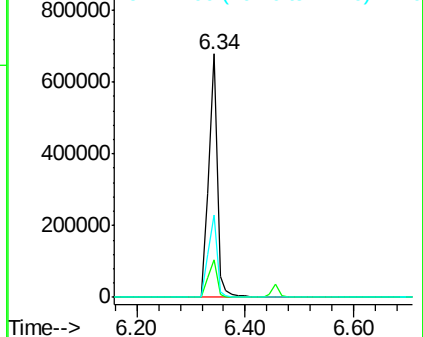
71 33.8 23.4 35.0



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: 6.46 min Scan# 426

Delta R.T. 0.09 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

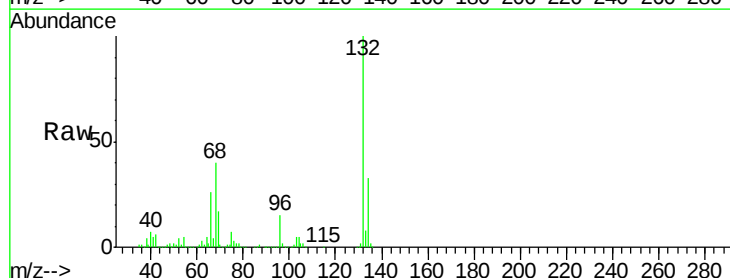
Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

94 100

65 994.0 5.9 45.9#

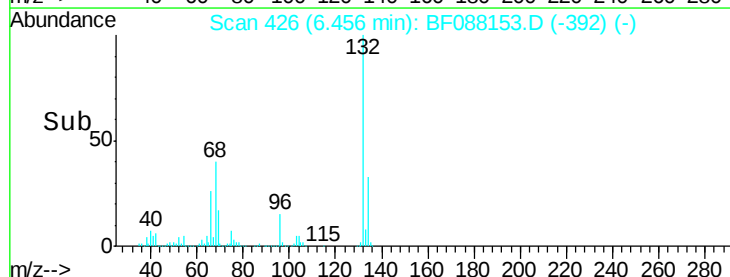
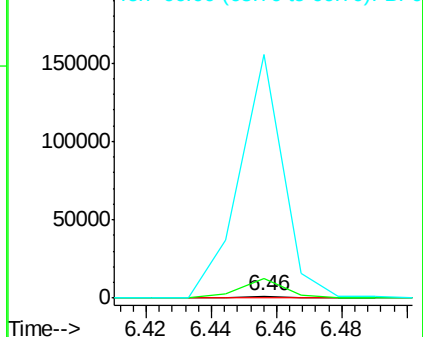
66 12613.0 14.0 54.0#



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

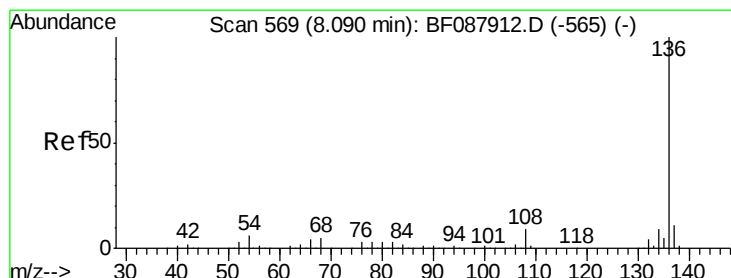
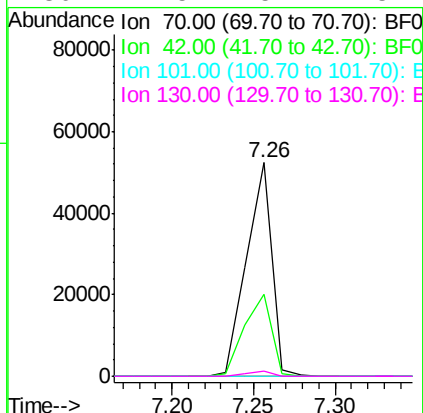
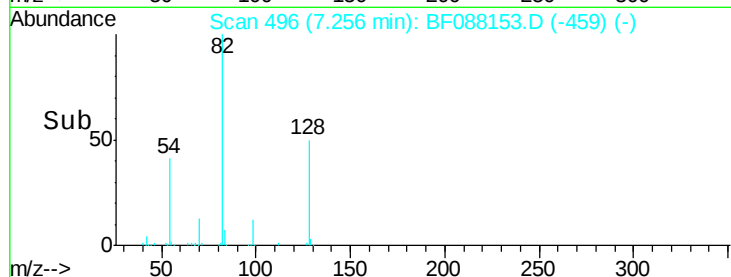
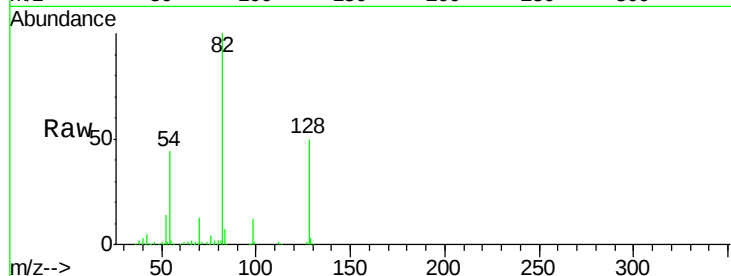




#19
n-Nitroso-di-n-propylamine
Concen: 13.28 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.13 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

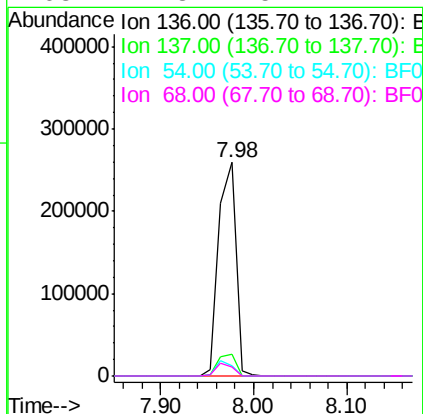
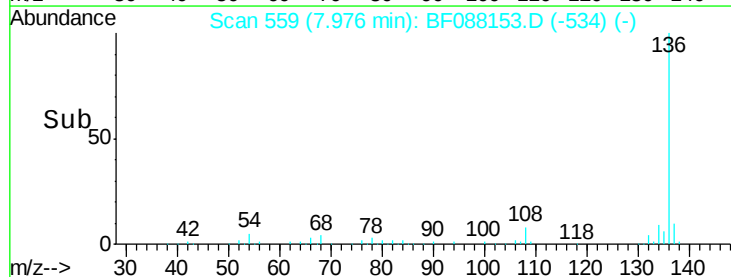
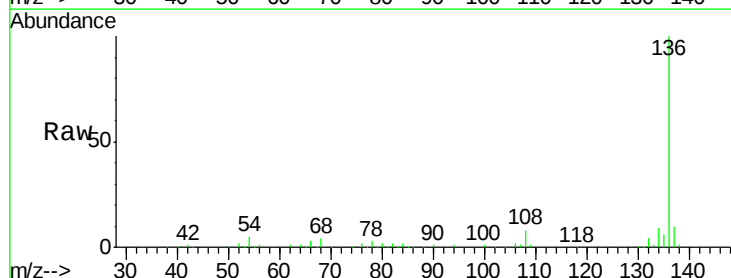
Instrument :
BNA_F
ClientSampleId :
PB91406TB

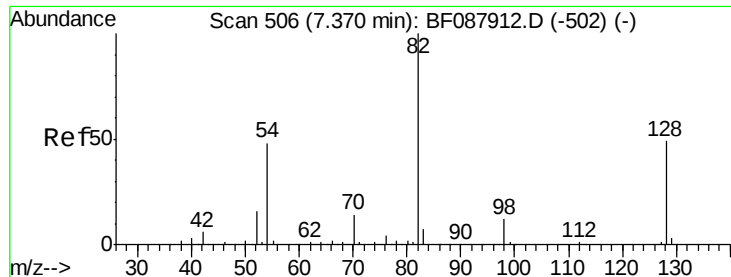
Tgt Ion: 70 Resp: 56402
Ion Ratio Lower Upper
70 100
42 38.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.5 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

Tgt Ion: 136 Resp: 335226
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 4.6 6.6 10.0#
68 4.3 5.1 7.7#

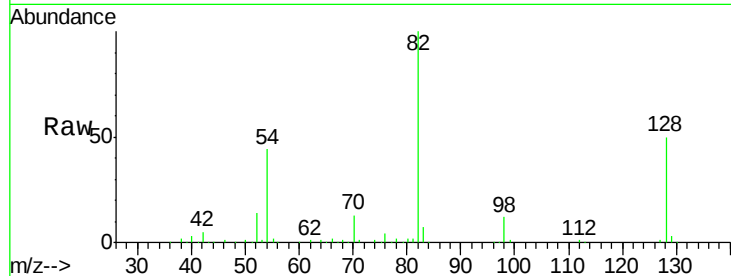




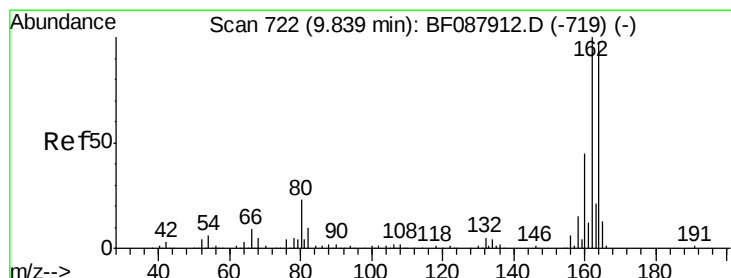
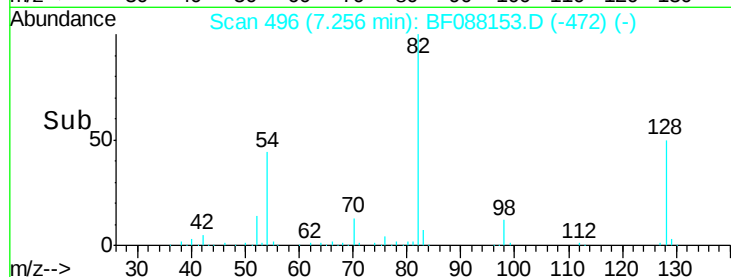
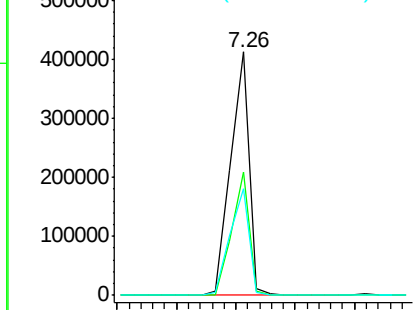
#23
 Nitrobenzene-d5
 Concen: 77.66 ng
 RT: 7.26 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: BF088153.D
 Acq: 19 Jun 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 PB91406TB

Tgt Ion: 82 Resp: 445822
 Ion Ratio Lower Upper
 82 100
 128 50.5 35.9 53.9
 54 43.8 40.9 61.3

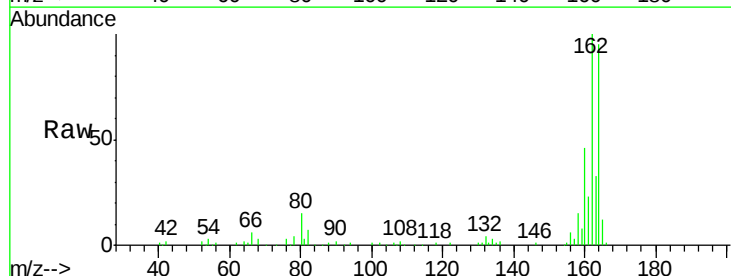


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

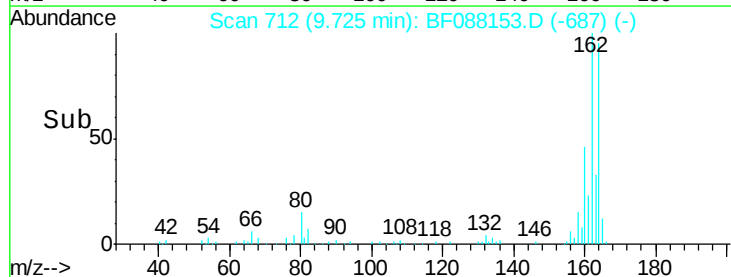
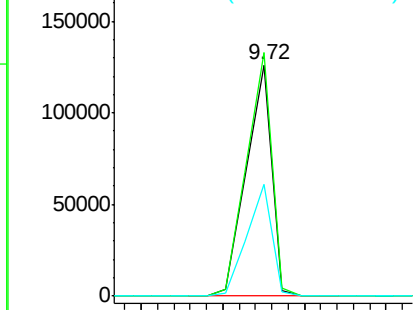


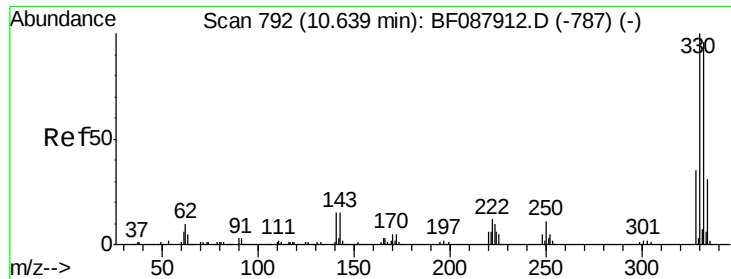
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088153.D
 Acq: 19 Jun 2016 00:53

Tgt Ion: 164 Resp: 135241
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.4 128.2
 160 48.4 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

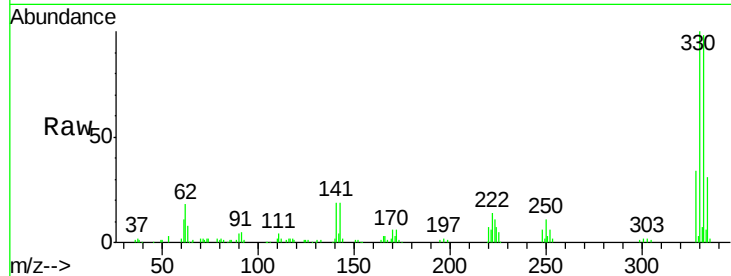




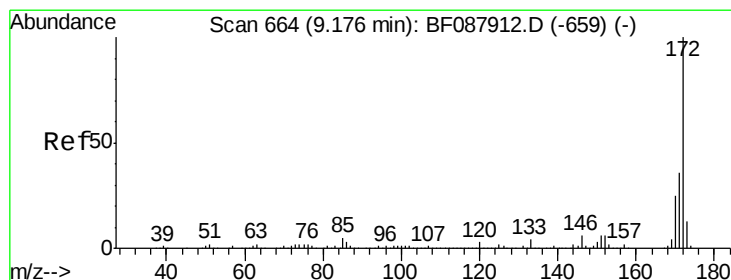
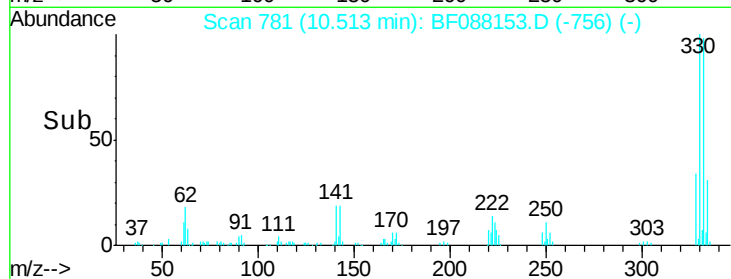
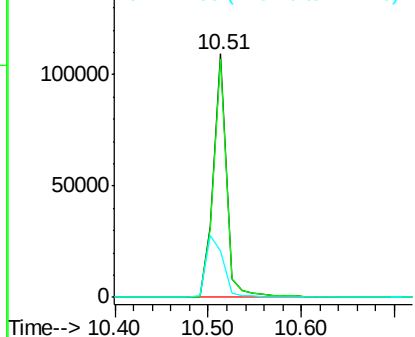
#41
 2,4,6-Tribromophenol
 Concen: 76.26 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088153.D
 Acq: 19 Jun 2016 00:53

Instrument :
 BNA_F
 ClientSampleId :
 PB91406TB

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	0.0	0.0#
141	34.1	0.0	0.0#

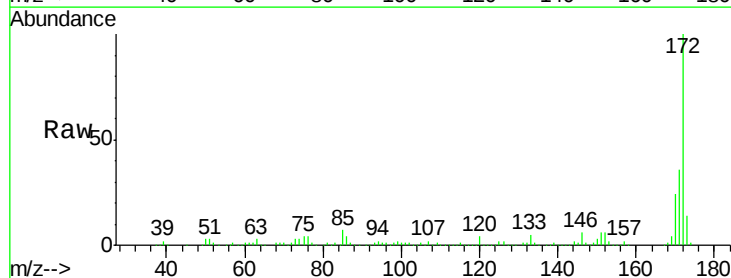


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

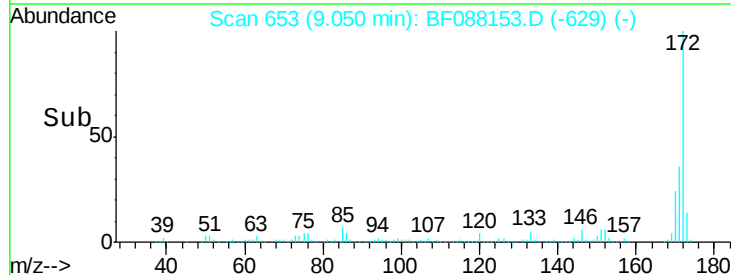
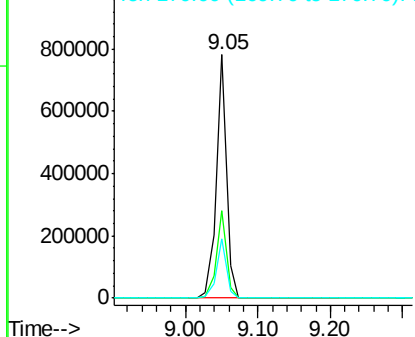


#44
 2-Fluorobiphenyl
 Concen: 89.29 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088153.D
 Acq: 19 Jun 2016 00:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.1	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: 9.05 min Scan# 653

Delta R.T. -0.11 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

Instrument :

BNA_F

ClientSampleId :

PB91406TB

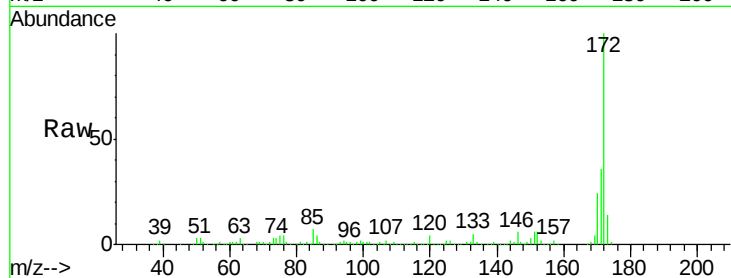
Tgt Ion:154 Resp: 1487

Ion Ratio Lower Upper

154 100

153 859.3 20.6 60.6#

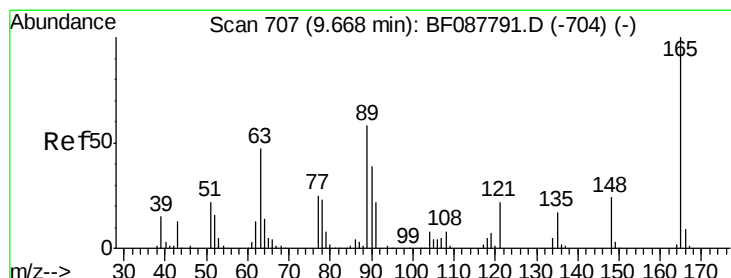
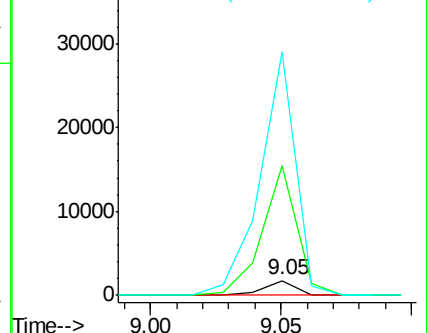
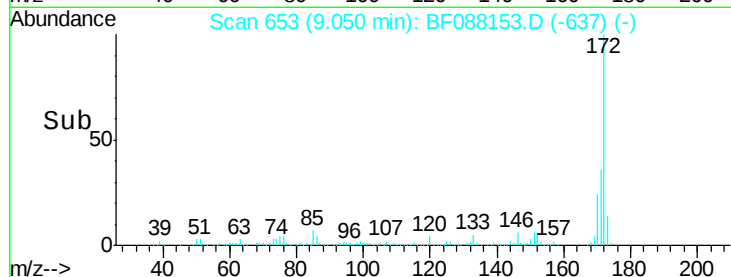
76 1619.6 0.0 35.1#



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: 7.70 ng

RT: 9.72 min Scan# 712

Delta R.T. 0.18 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

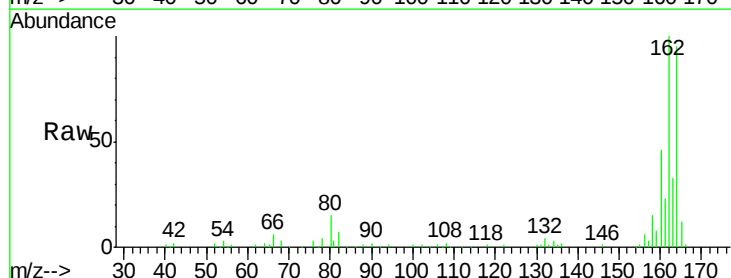
Tgt Ion:165 Resp: 17268

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

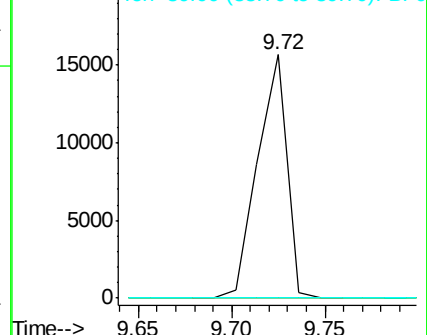
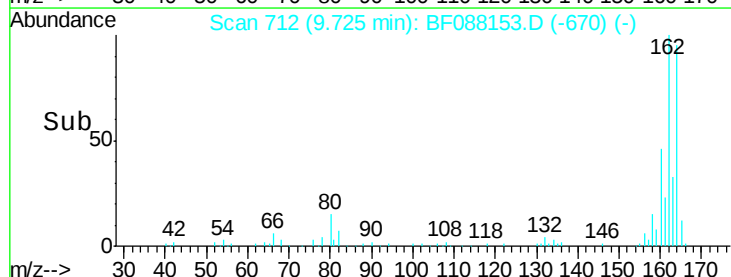
89 0.0 32.2 48.2#

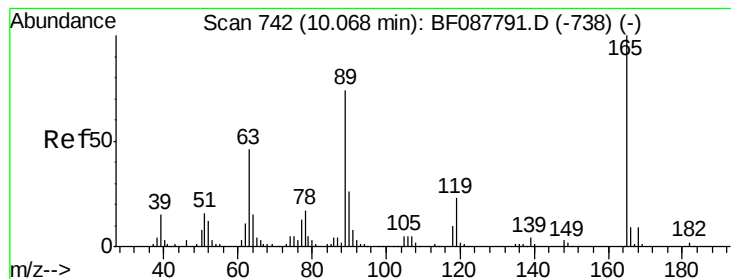


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.99 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

Instrument :

BNA_F

ClientSampleID :

PB91406TB

Tgt Ion:165 Resp: 17268

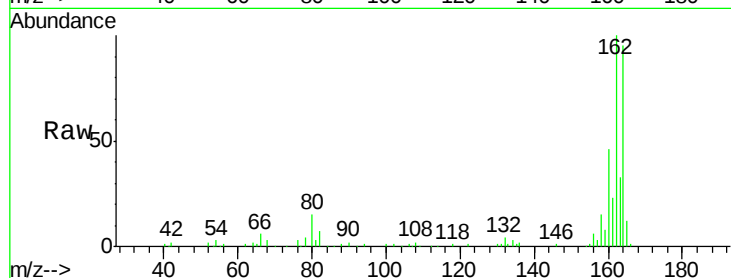
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

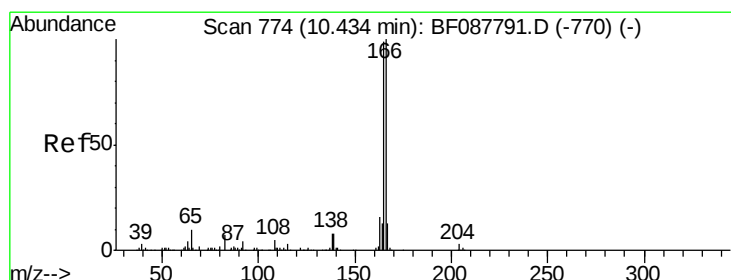
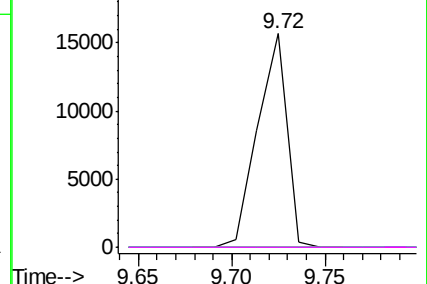
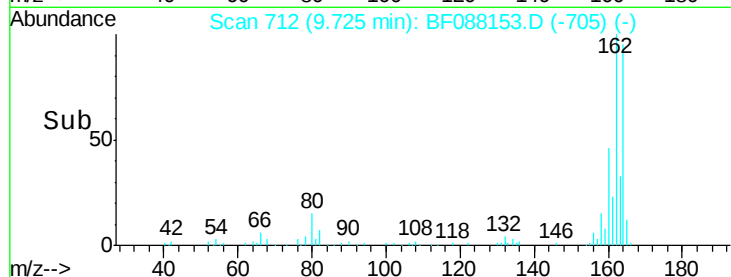


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.50 min Scan# 780

Delta R.T. 0.22 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

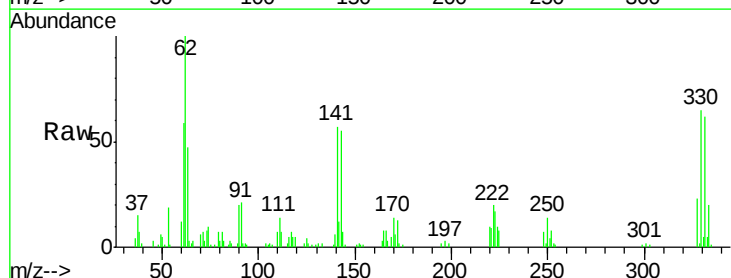
Tgt Ion:166 Resp: 5289

Ion Ratio Lower Upper

166 100

165 104.8 77.8 116.8

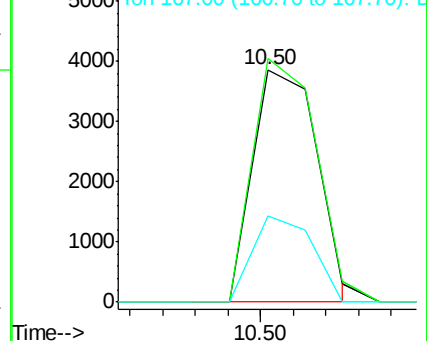
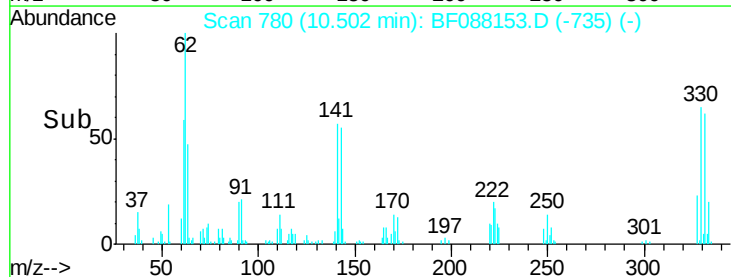
167 37.0 11.2 16.8#

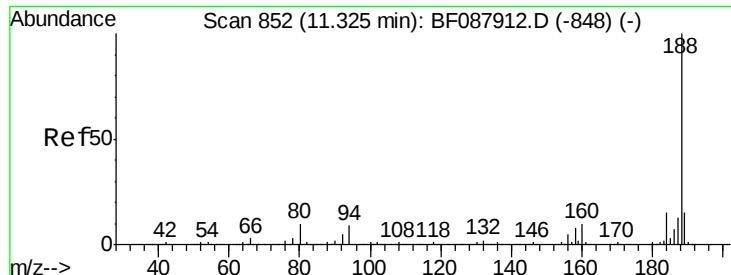


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

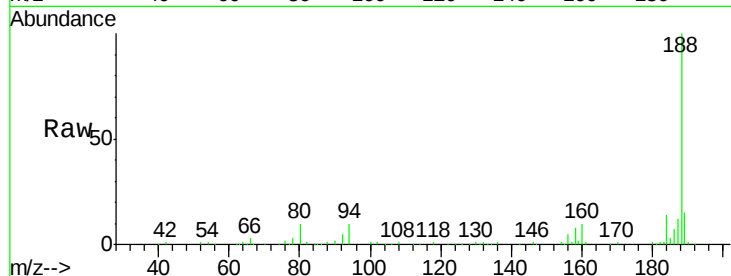




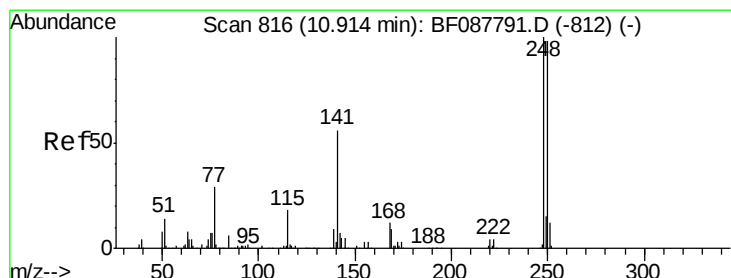
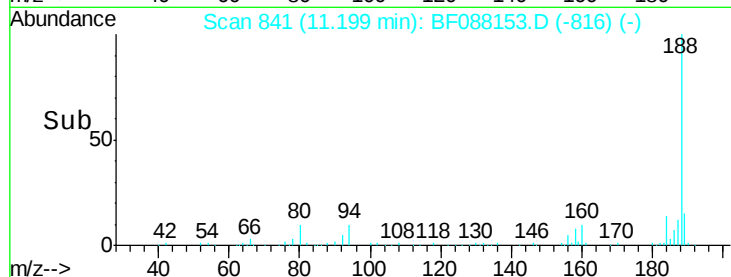
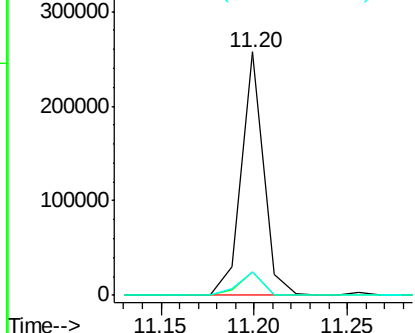
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

Instrument :
BNA_F
ClientSampleId :
PB91406TB

Tgt Ion:188 Resp: 213641
Ion Ratio Lower Upper
188 100
94 9.5 9.0 13.6
80 9.7 10.0 15.0#

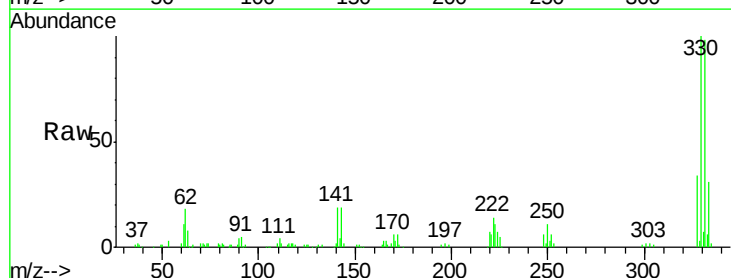


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

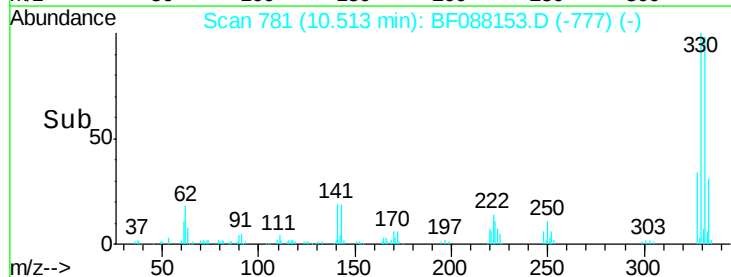
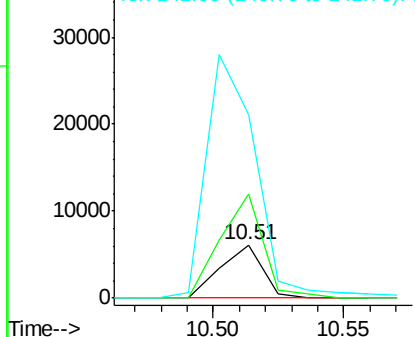


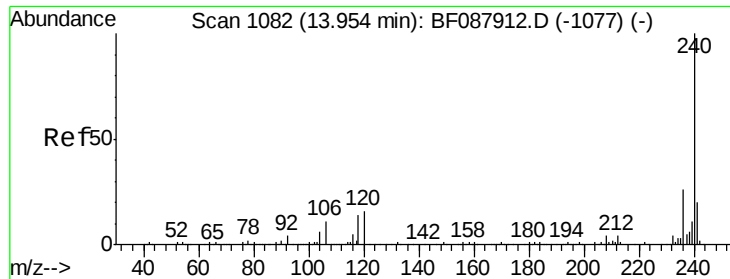
#66
4-Bromophenyl-phenylether
Concen: 3.00 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

Tgt Ion:248 Resp: 6883
Ion Ratio Lower Upper
248 100
250 195.1 77.1 115.7#
141 343.4 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

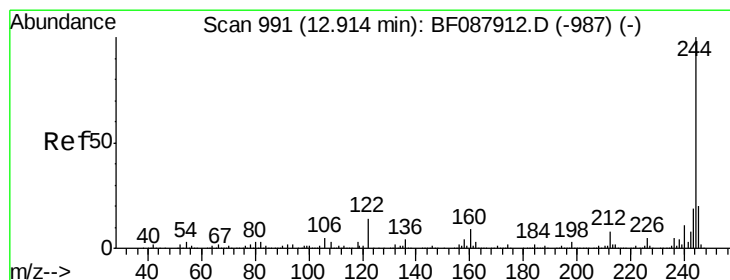
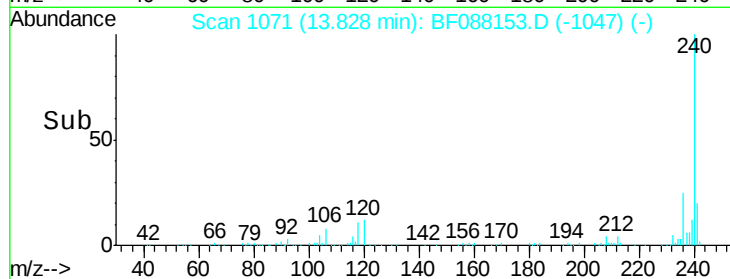
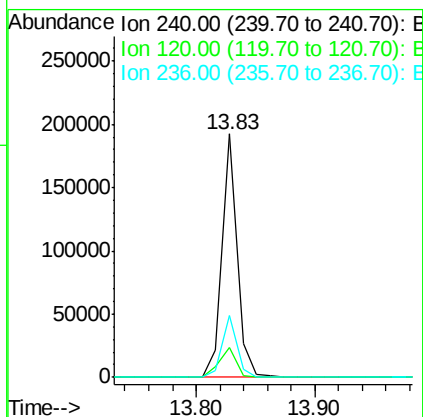
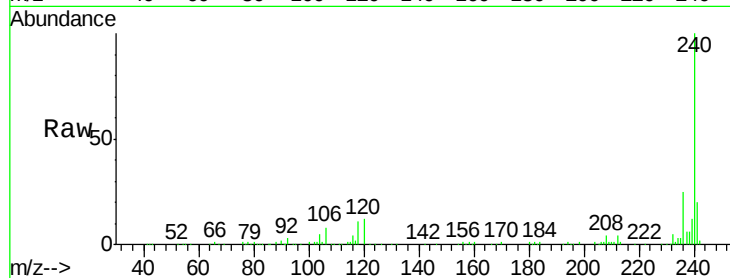




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

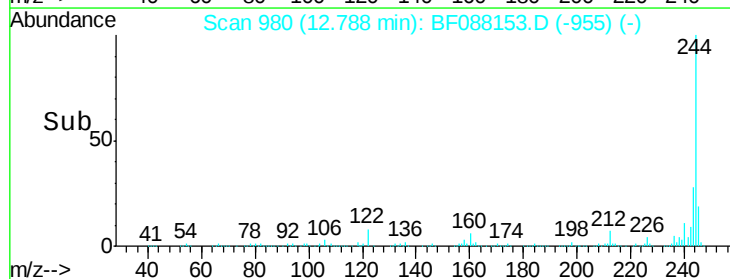
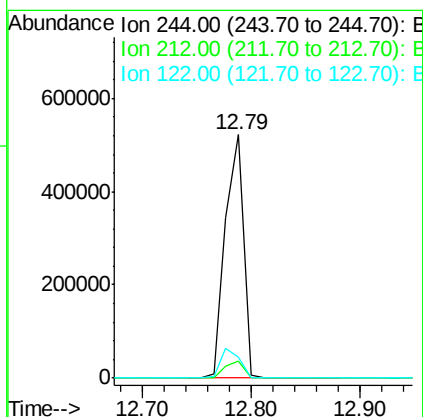
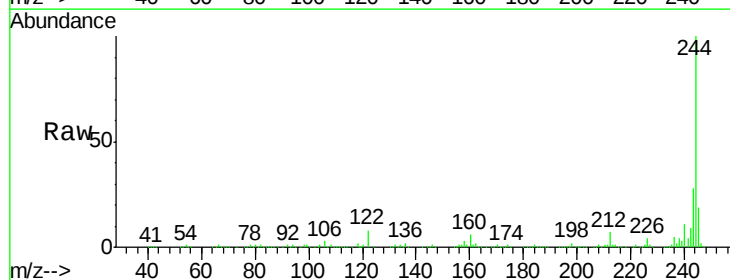
Instrument :
BNA_F
ClientSampleId :
PB91406TB

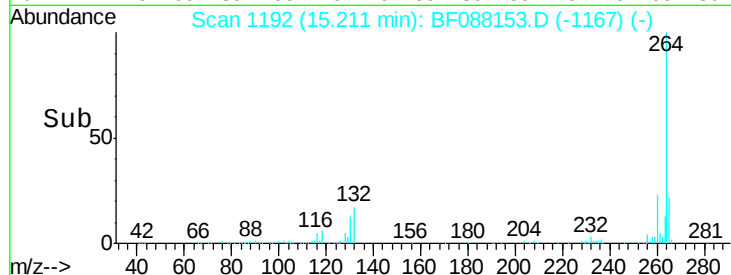
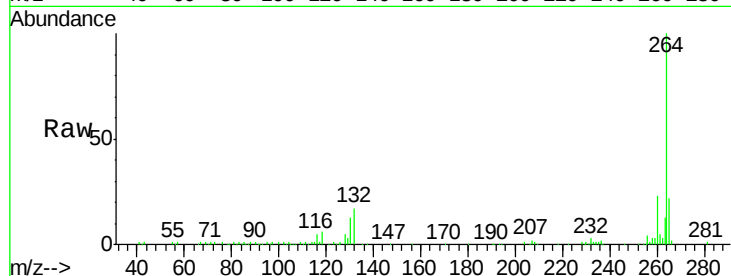
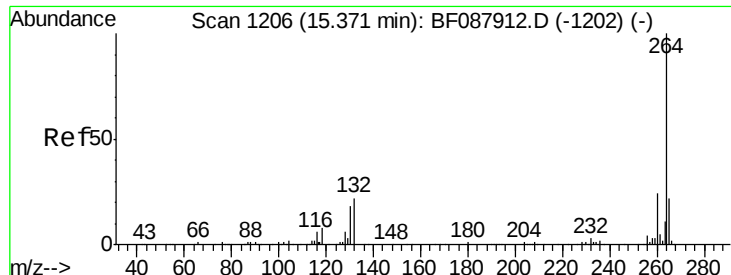
Tgt Ion:240 Resp: 168654
Ion Ratio Lower Upper
240 100
120 12.1 6.8 10.2#
236 25.4 20.2 30.2



#78
Terphenyl-d14
Concen: 82.16 ng
RT: 12.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BF088153.D
Acq: 19 Jun 2016 00:53

Tgt Ion:244 Resp: 608932
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.4 11.2 16.8#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF088153.D

Acq: 19 Jun 2016 00:53

Instrument :

BNA_F

ClientSampleId :

PB91406TB

Tgt Ion:264 Resp: 131181

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.6 16.9 25.3

