

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060816\
 Data File : BF087813.D
 Acq On : 8 Jun 2016 16:51
 Operator : UM/SJ
 Sample : H3378-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-21

Quant Time: Jun 09 01:59:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

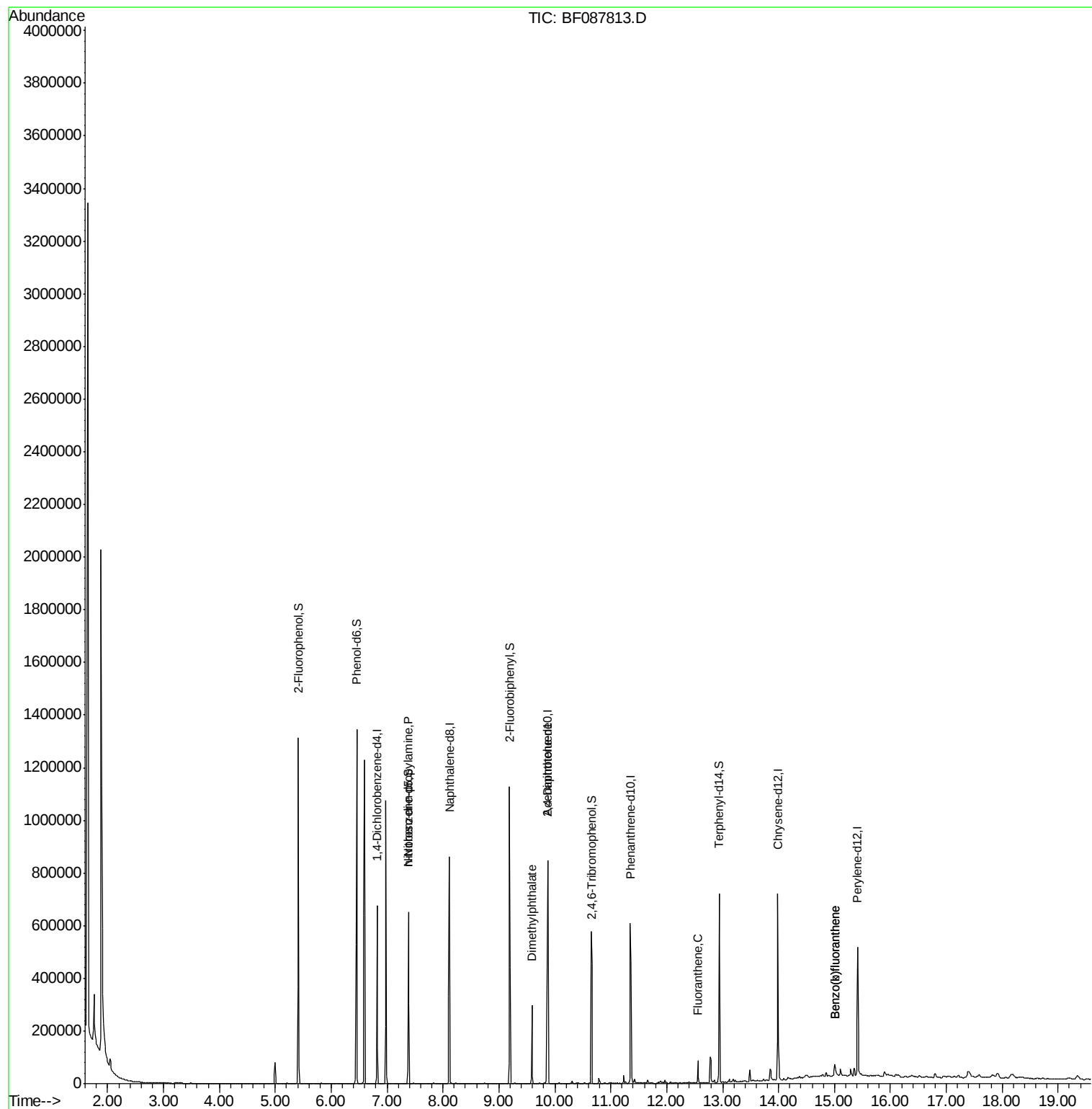
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	98533	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	431979	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	190301	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	302923	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	222715	20.00	ng	0.00
86) Perylene-d12	15.42	264	218437	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	361573	62.73	ng	-0.01
7) Phenol-d6	6.46	99	499963	71.58	ng	-0.02
23) Nitrobenzene-d5	7.38	82	241855	32.69	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	100235	49.88	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	401965	29.57	ng	-0.02
78) Terphenyl-d14	12.94	244	302773	30.94	ng	-0.01
Target Compounds						
10) Phenol	6.47	94	2235	Below Cal		Qvalue 96
19) n-Nitroso-di-n-propylamine	7.38	70	30707	6.87 ng	#	75
45) 1,1'-Biphenyl	9.19	154	503	Below Cal	#	1
49) Dimethylphthalate	9.59	163	113697	8.25 ng		99
56) 2,4-Dinitrotoluene	9.87	165	24376	6.01 ng	#	38
57) Fluorene	10.41	166	1303	Below Cal	#	90
74) Fluoranthene	12.56	202	34930	2.08 ng		97
87) Benzo(b)fluoranthene	15.01	252	30861	2.03 ng	#	91
88) Benzo(k)fluoranthene	15.01	252	30861	2.69 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: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

Instrument :

BNA_F

ClientSampled :

SS-21

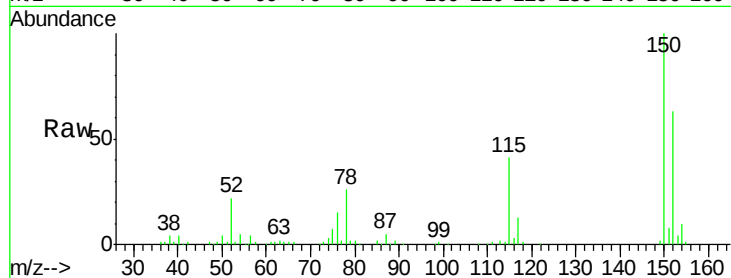
Tgt Ion:152 Resp: 98533

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.6

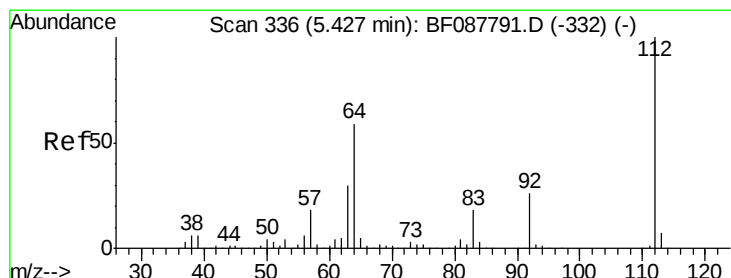
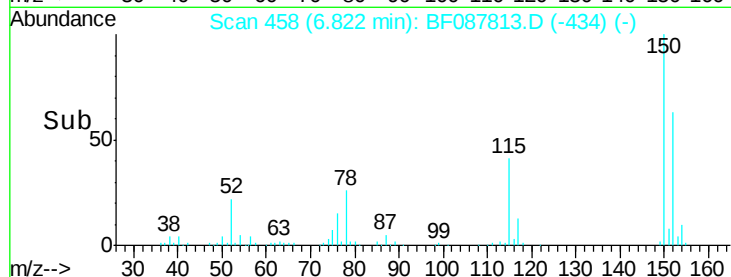
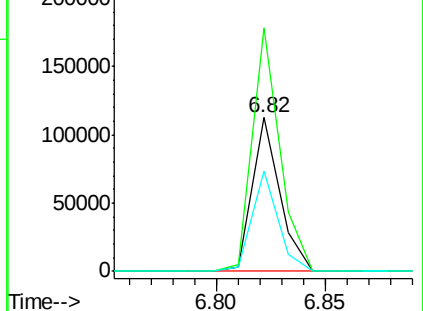
115 65.2 39.6 59.4#



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: 62.73 ng

RT: 5.42 min Scan# 335

Delta R.T. -0.01 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

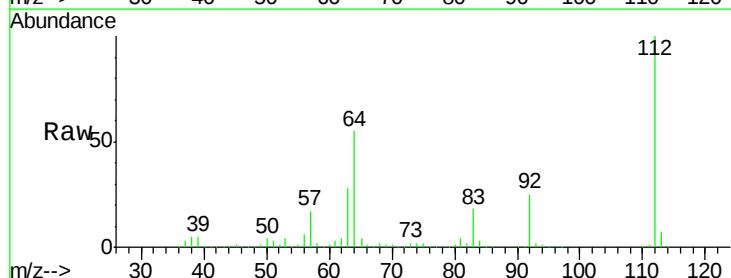
Tgt Ion:112 Resp: 361573

Ion Ratio Lower Upper

112 100

64 54.6 42.2 63.2

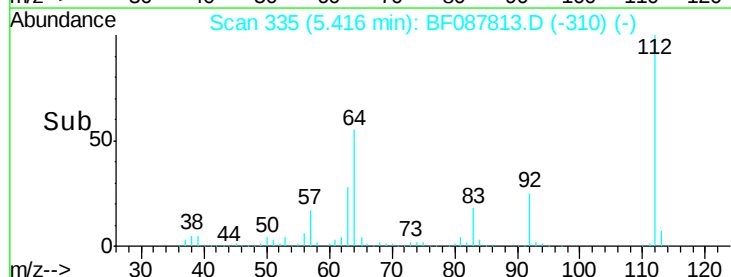
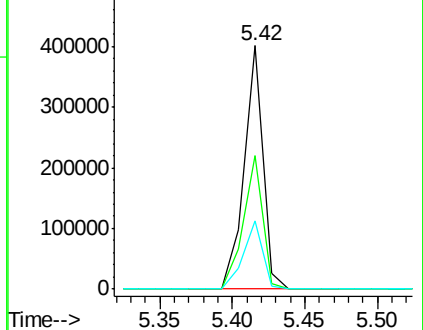
63 28.2 21.8 32.8



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: 71.58 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

Instrument :

BNA_F

ClientSampleId :

SS-21

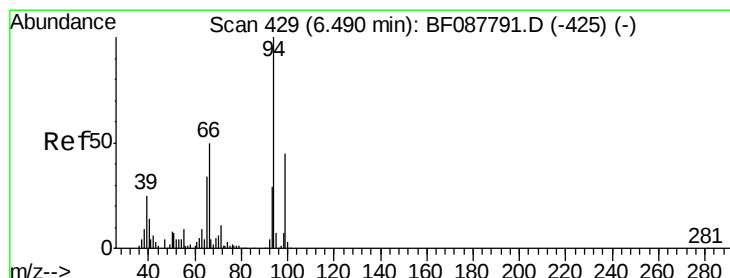
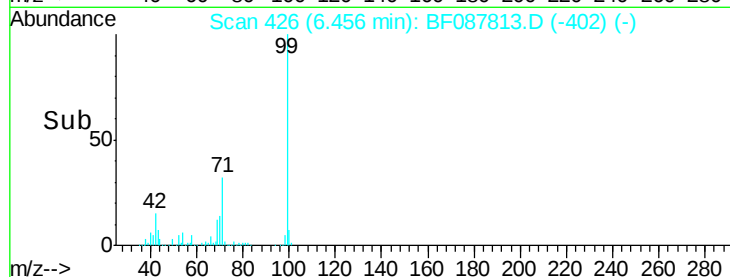
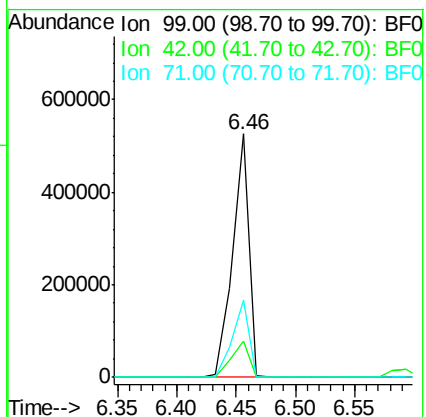
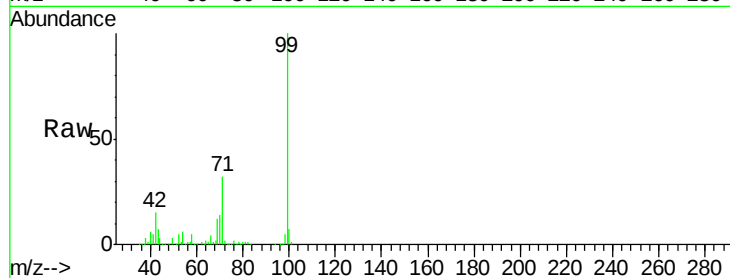
Tgt Ion: 99 Resp: 499963

Ion Ratio Lower Upper

99 100

42 15.0 12.2 18.2

71 31.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

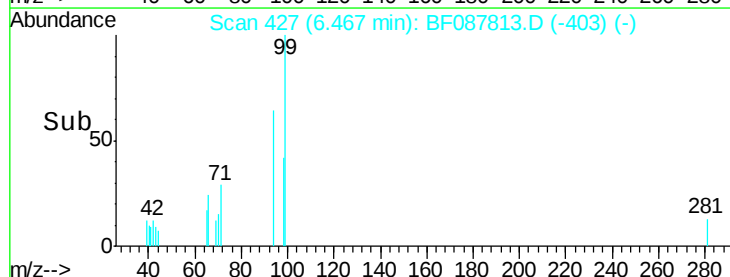
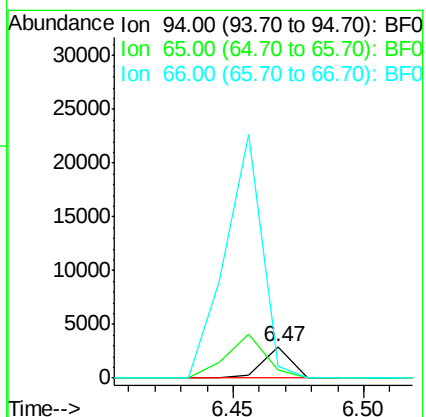
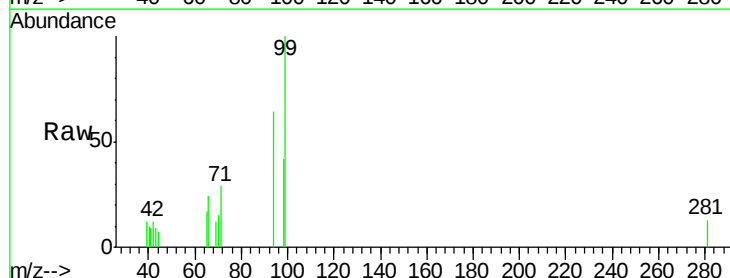
Tgt Ion: 94 Resp: 2235

Ion Ratio Lower Upper

94 100

65 25.9 5.9 45.9

66 37.6 14.0 54.0

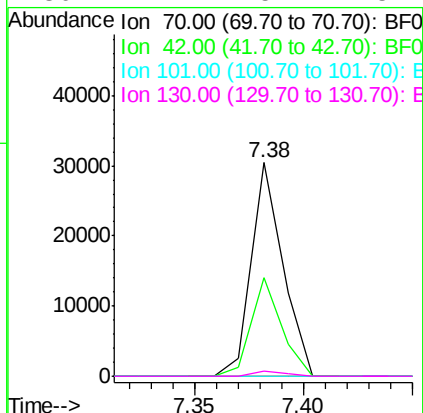
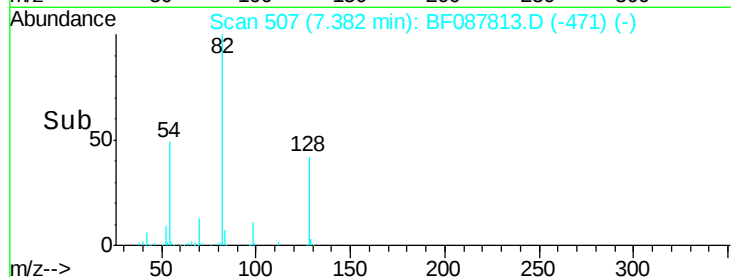
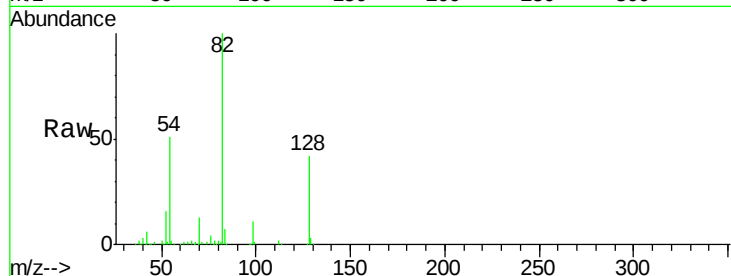




#19
n-Nitroso-di-n-propylamine
Concen: 6.87 ng
RT: 7.38 min Scan# 507
Delta R.T. 0.11 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

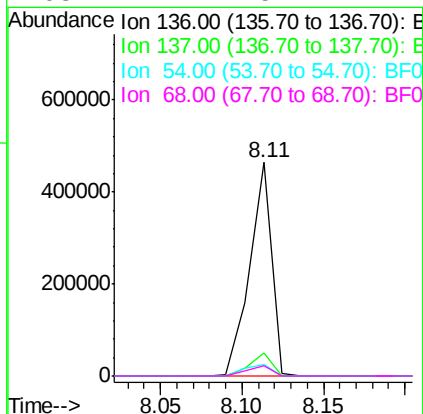
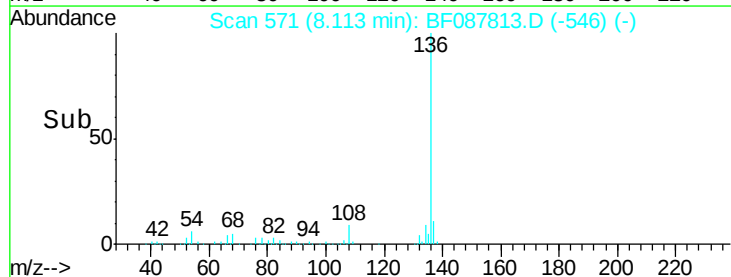
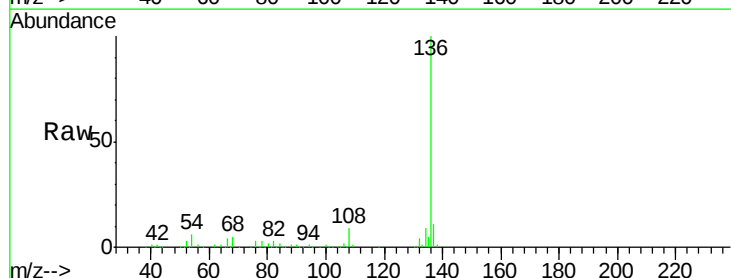
Instrument :
BNA_F
ClientSampleId :
SS-21

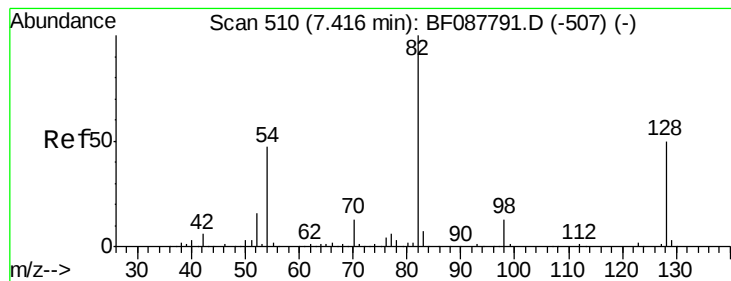
Tgt Ion: 70 Resp: 30707
Ion Ratio Lower Upper
70 100
42 46.1 49.6 74.4#
101 0.0 7.1 10.7#
130 2.4 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Tgt Ion: 136 Resp: 431979
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 5.6 6.6 10.0#
68 4.7 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 32.69 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

Instrument :

BNA_F

ClientSampleId :

SS-21

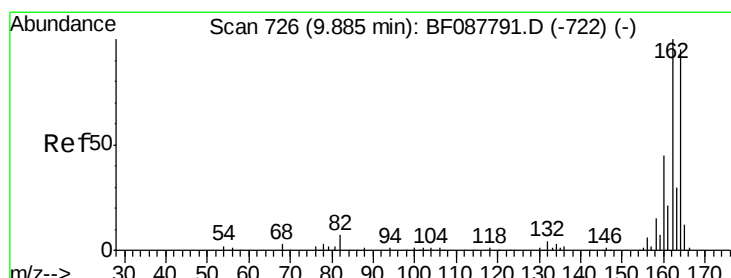
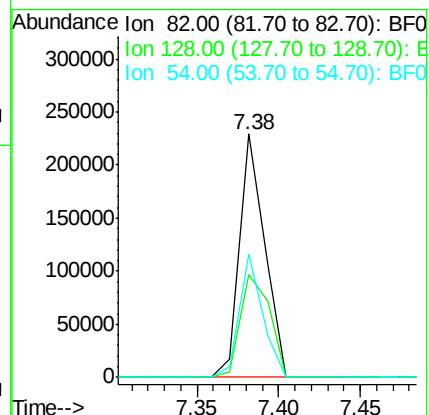
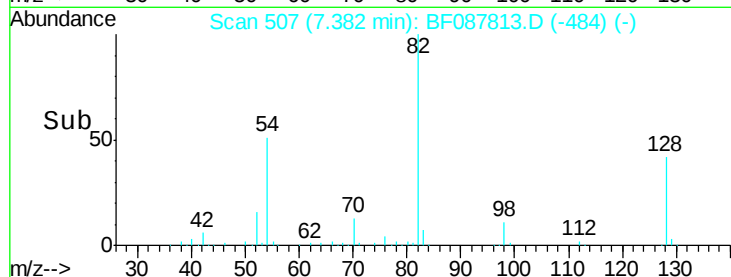
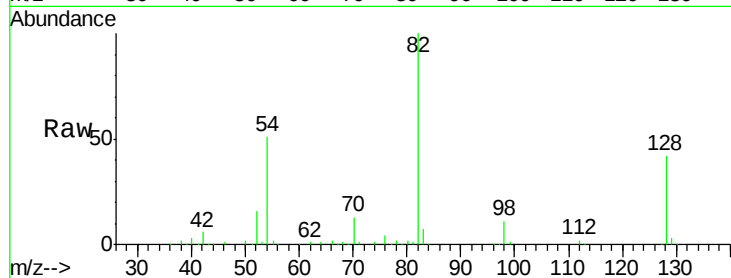
Tgt Ion: 82 Resp: 241855

Ion Ratio Lower Upper

82 100

128 42.1 35.9 53.9

54 50.6 40.9 61.3



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

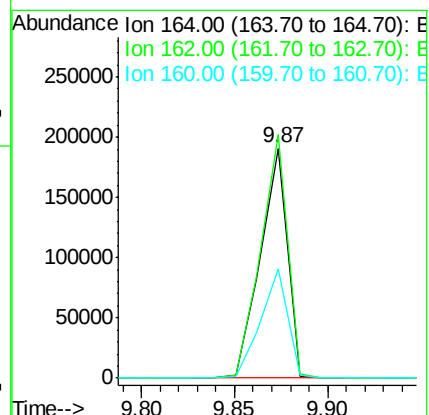
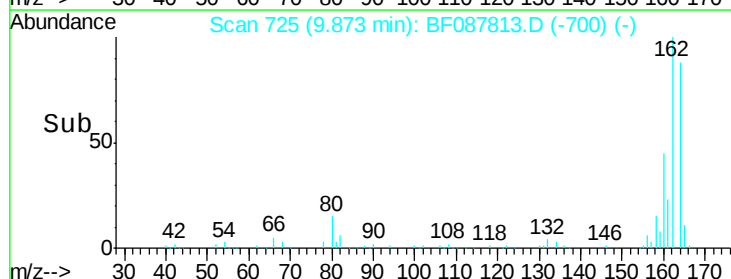
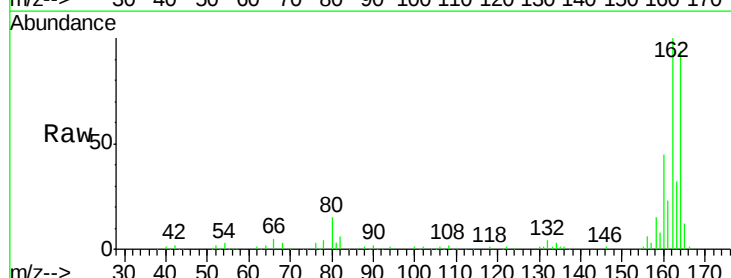
Tgt Ion: 164 Resp: 190301

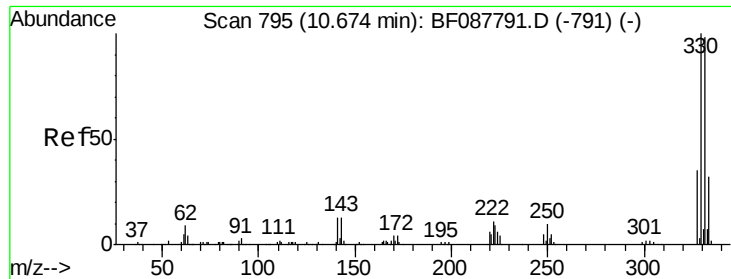
Ion Ratio Lower Upper

164 100

162 105.9 85.4 128.2

160 47.6 39.5 59.3

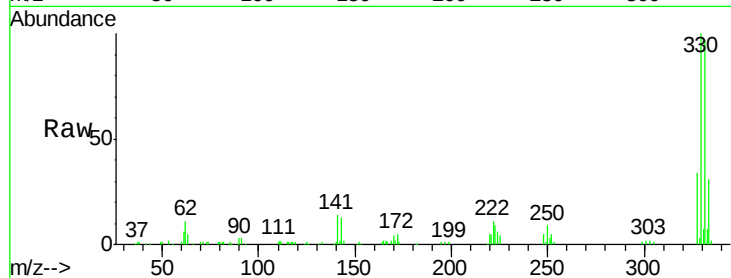




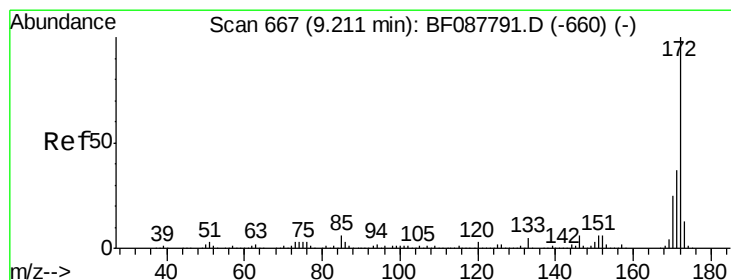
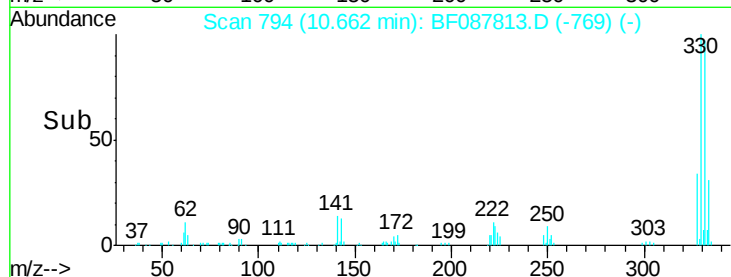
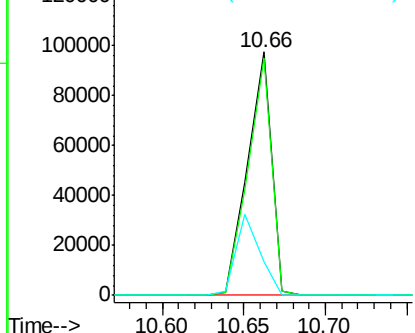
#41
 2,4,6-Tribromophenol
 Concen: 49.88 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087813.D
 Acq: 8 Jun 2016 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-21

Tgt Ion: 330 Resp: 100235
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 32.4 0.0 0.0#

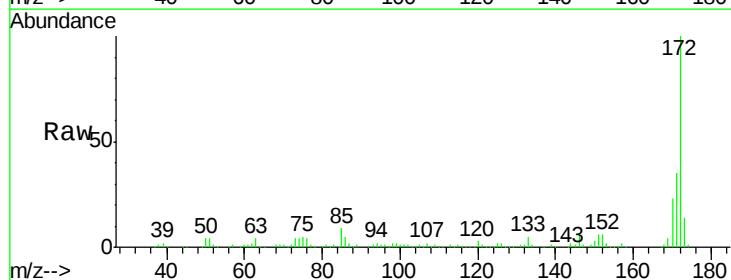


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

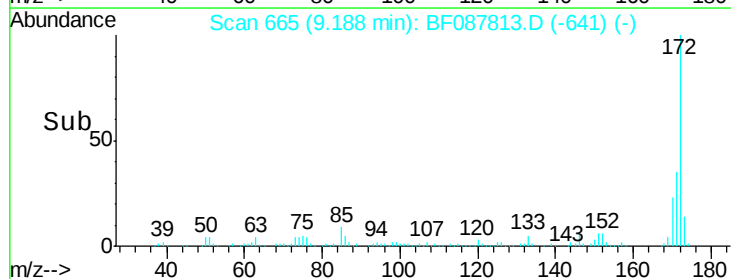
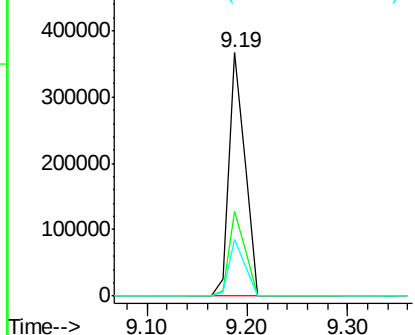


#44
 2-Fluorobiphenyl
 Concen: 29.57 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087813.D
 Acq: 8 Jun 2016 16:51

Tgt Ion: 172 Resp: 401965
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.5 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

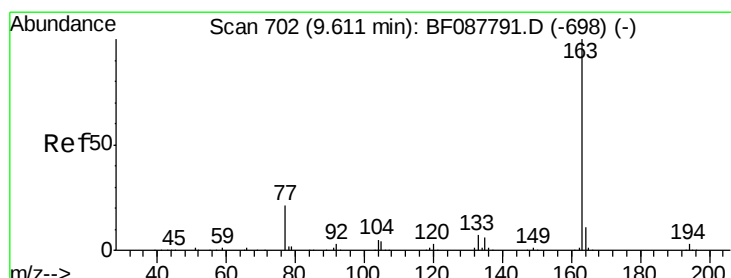
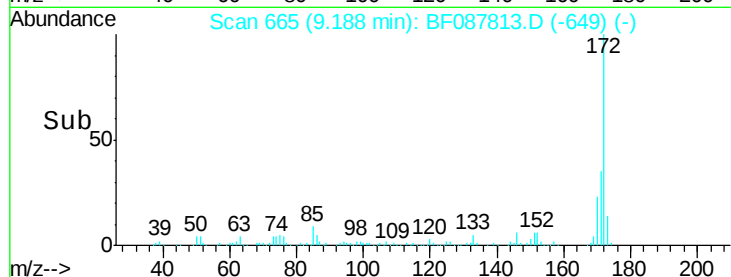
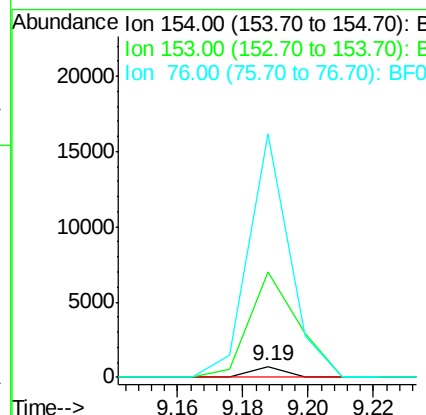
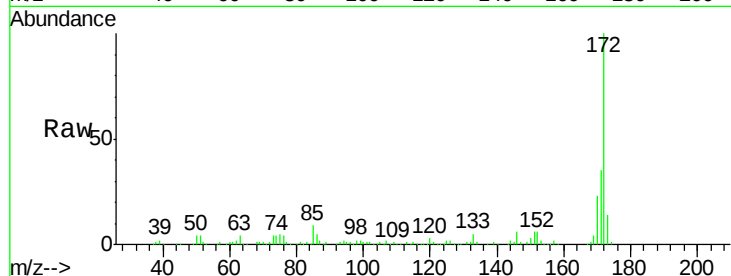




#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.19 min Scan# 665
 Delta R.T. -0.11 min
 Lab File: BF087813.D
 Acq: 8 Jun 2016 16:51

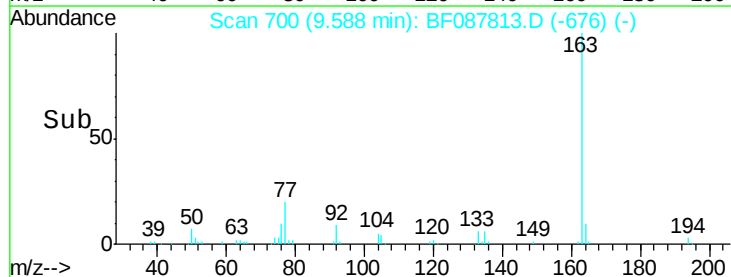
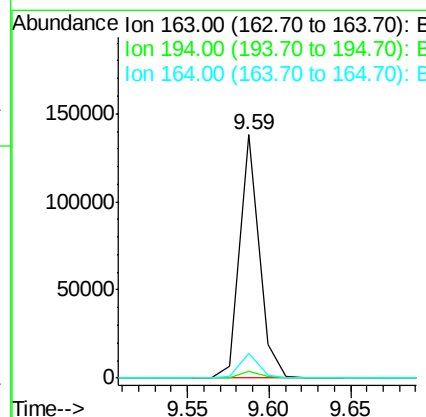
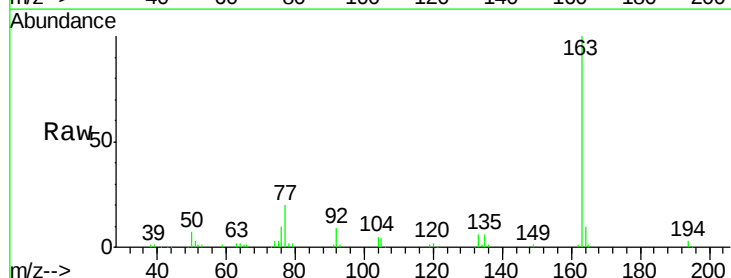
Instrument :
 BNA_F
 ClientSampleId :
 SS-21

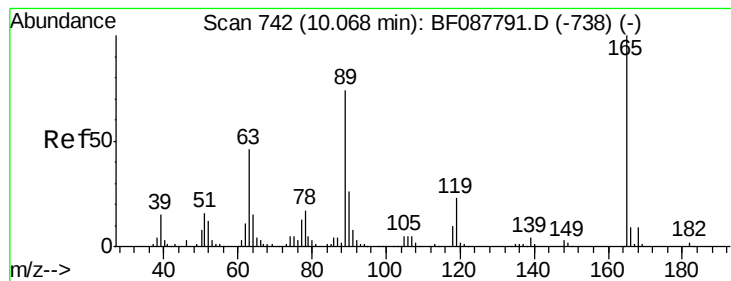
Tgt Ion:154 Resp: 503
 Ion Ratio Lower Upper
 154 100
 153 954.4 20.6 60.6#
 76 2203.5 0.0 35.1#



#49
 Dimethylphthalate
 Concen: 8.25 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: BF087813.D
 Acq: 8 Jun 2016 16:51

Tgt Ion:163 Resp: 113697
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.0 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 6.01 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

Instrument :

BNA_F

ClientSampleId :

SS-21

Tgt Ion:165 Resp: 24376

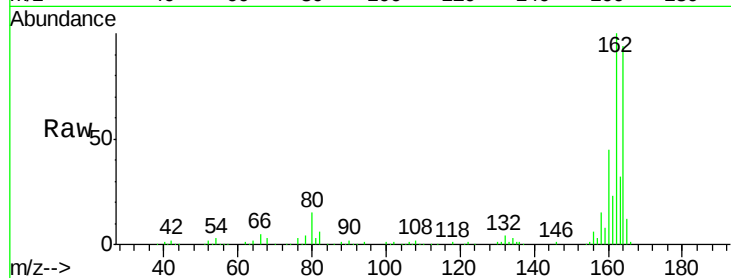
Ion Ratio Lower Upper

165 100

63 1.4 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

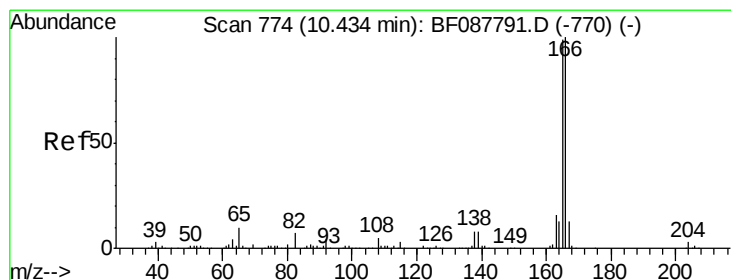
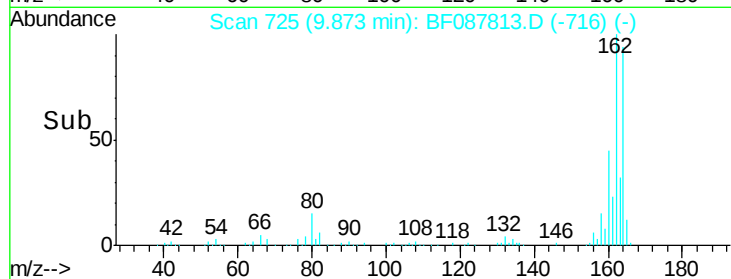
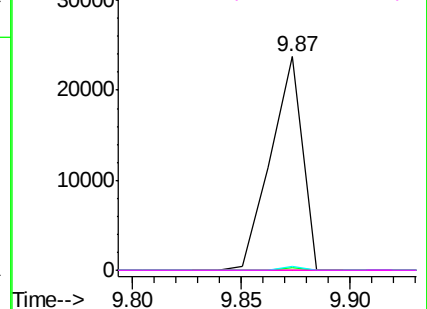


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF087813.D

Acq: 8 Jun 2016 16:51

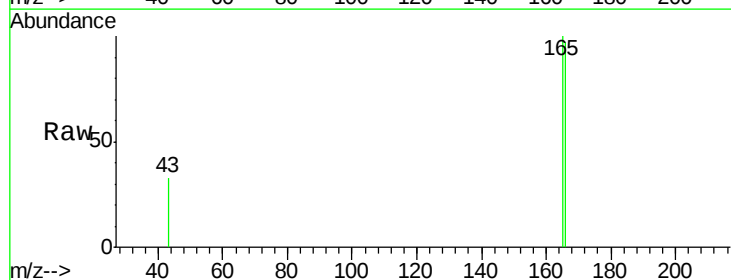
Tgt Ion:166 Resp: 1303

Ion Ratio Lower Upper

166 100

165 103.1 77.8 116.8

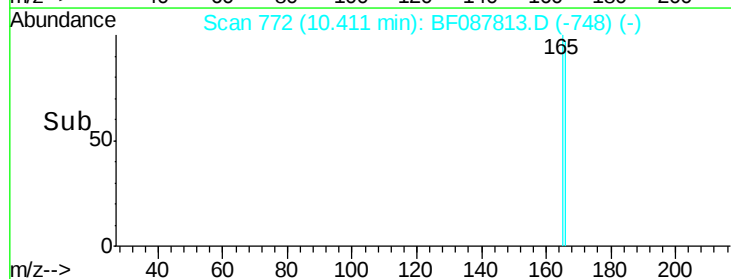
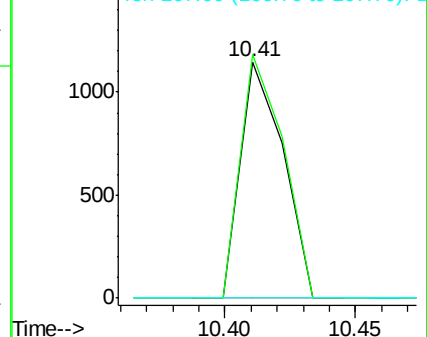
167 0.0 11.2 16.8#

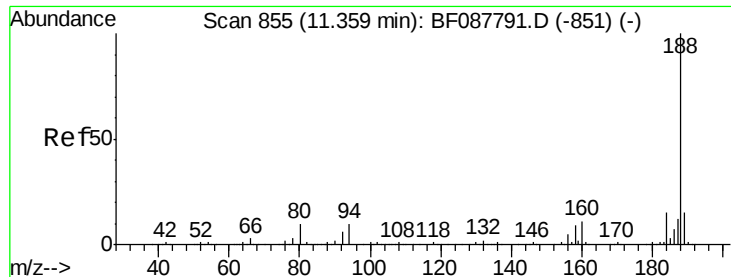


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

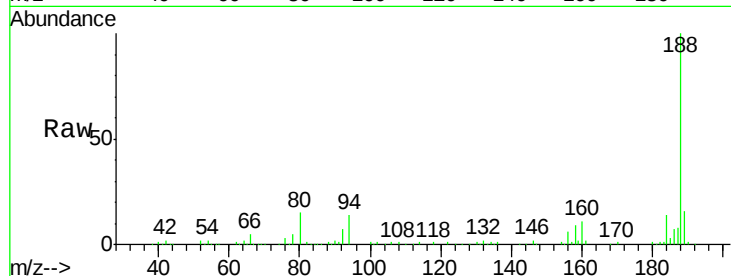




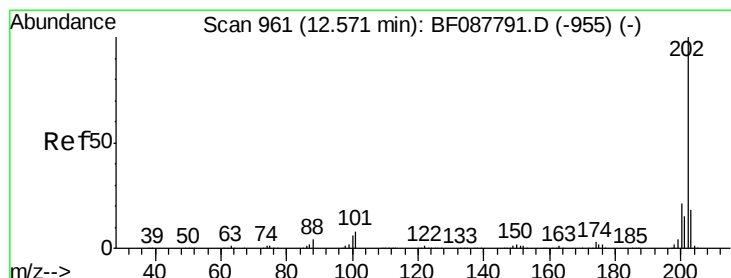
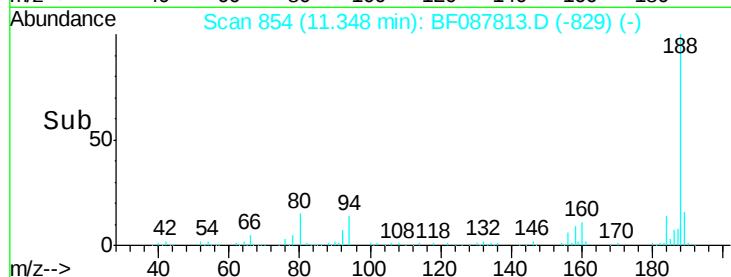
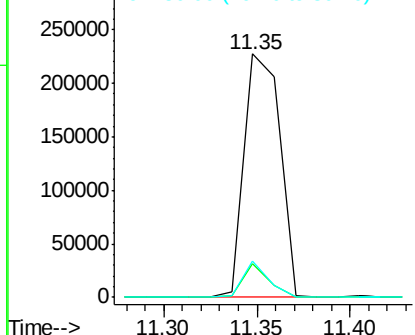
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Instrument :
BNA_F
ClientSampleId :
SS-21

Tgt Ion:188 Resp: 302923
Ion Ratio Lower Upper
188 100
94 13.8 9.0 13.6#
80 15.1 10.0 15.0#

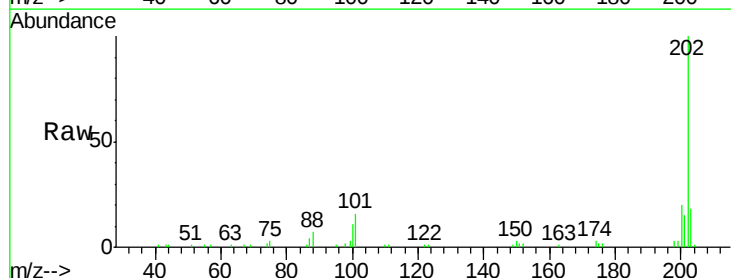


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

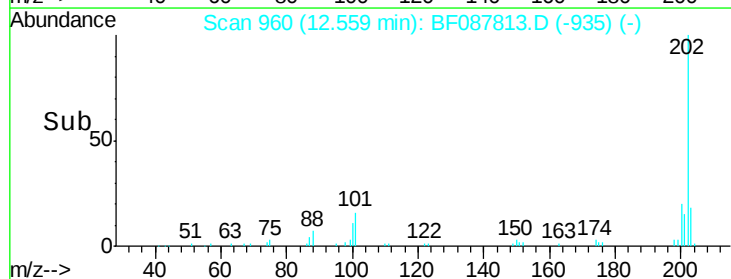
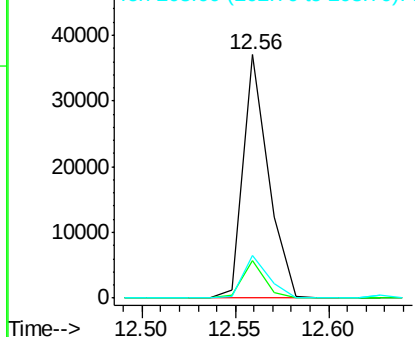


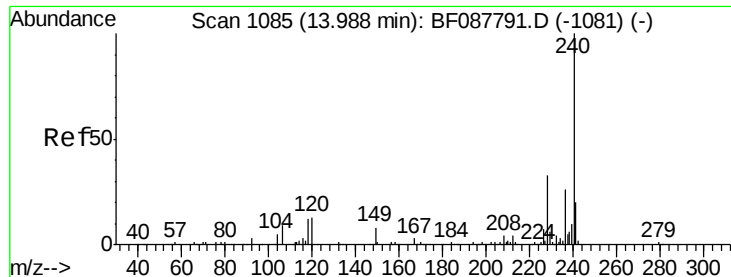
#74
Fluoranthene
Concen: 2.08 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Tgt Ion:202 Resp: 34930
Ion Ratio Lower Upper
202 100
101 15.6 0.0 33.1
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

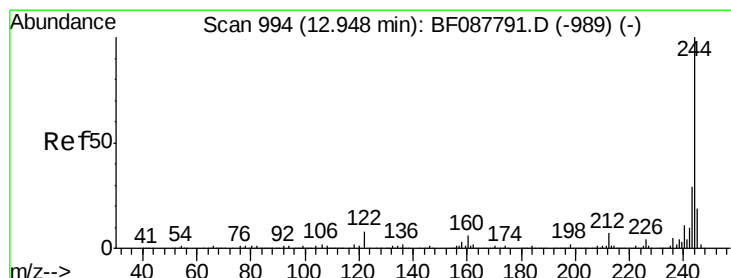
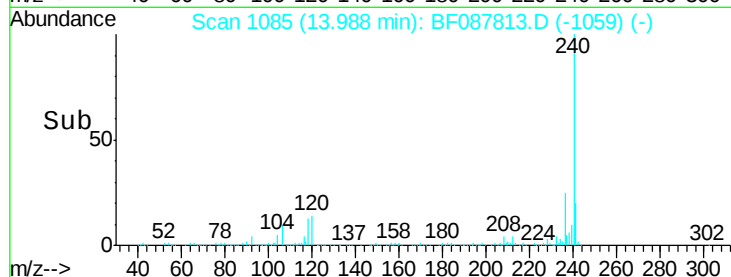
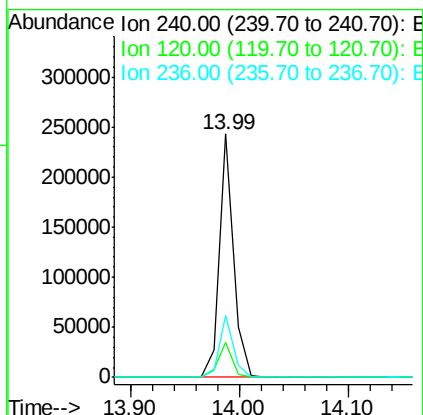
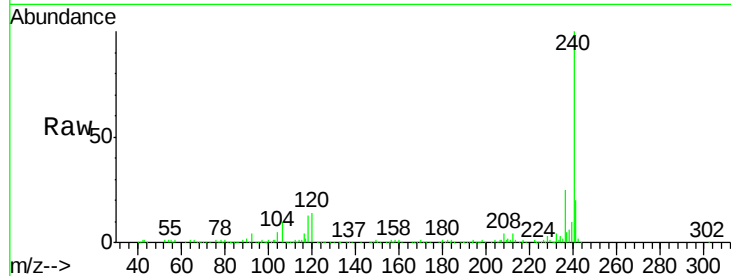




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

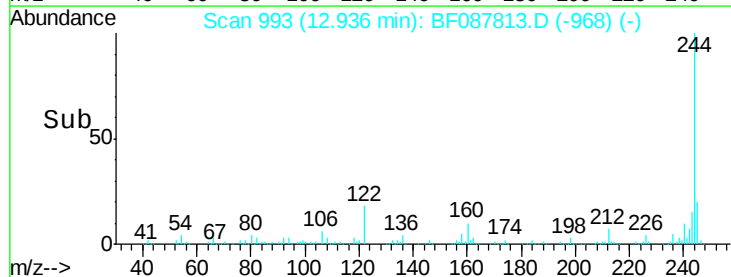
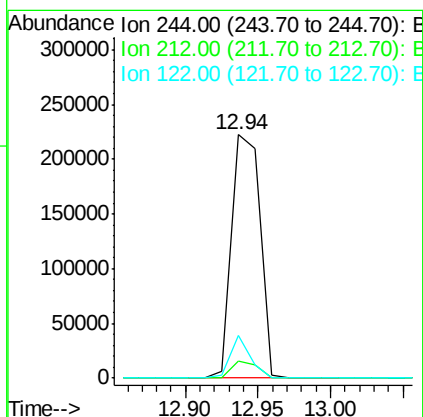
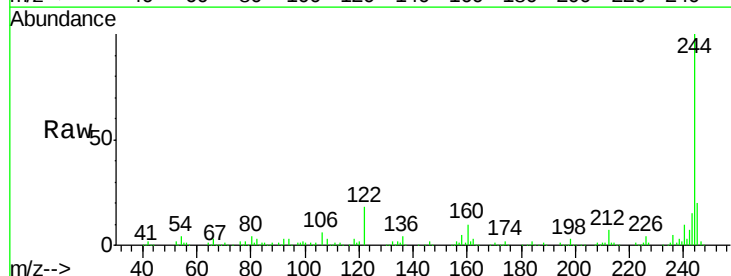
Instrument :
BNA_F
ClientSampleId :
SS-21

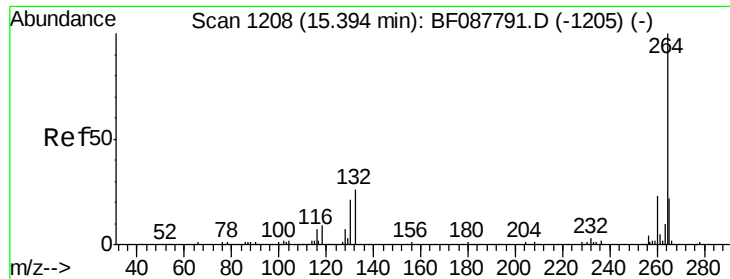
Tgt Ion:240 Resp: 222715
Ion Ratio Lower Upper
240 100
120 14.1 6.8 10.2#
236 25.4 20.2 30.2



#78
Terphenyl-d14
Concen: 30.94 ng
RT: 12.94 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Tgt Ion:244 Resp: 302773
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 17.6 11.2 16.8#



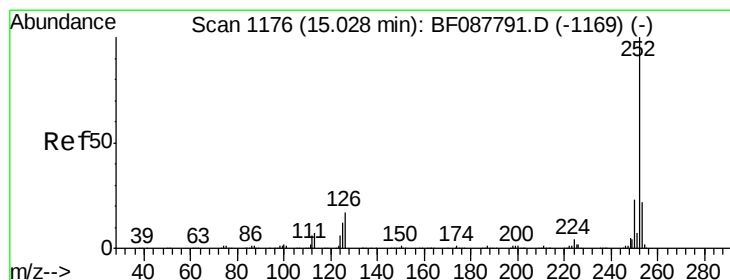
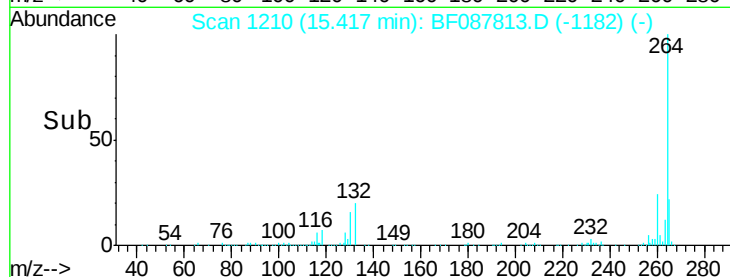
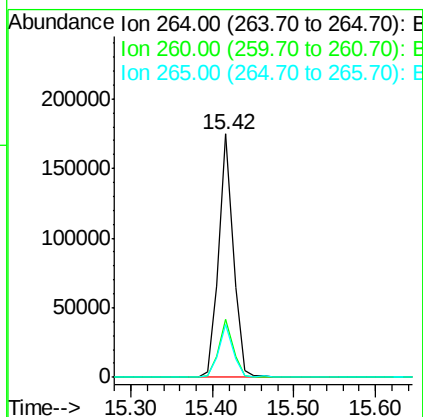
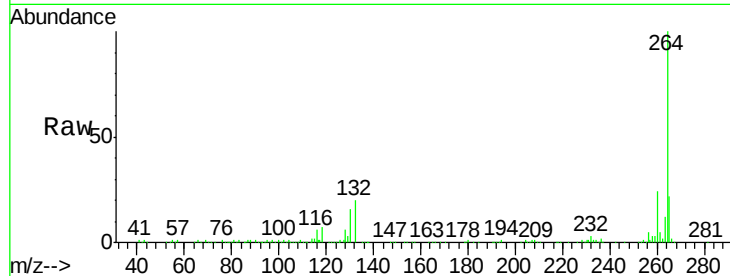


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Instrument :
BNA_F
ClientSampleId :
SS-21

Tgt Ion: 264 Resp: 218437

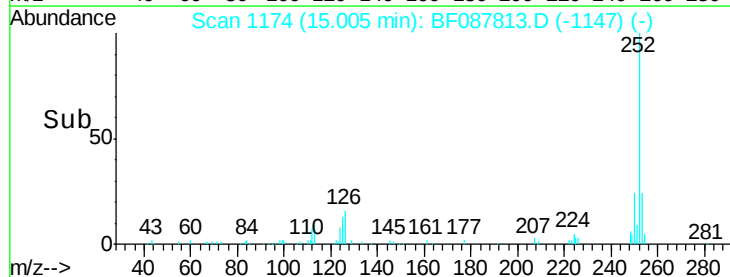
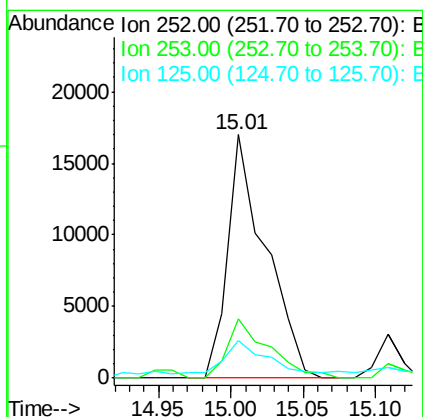
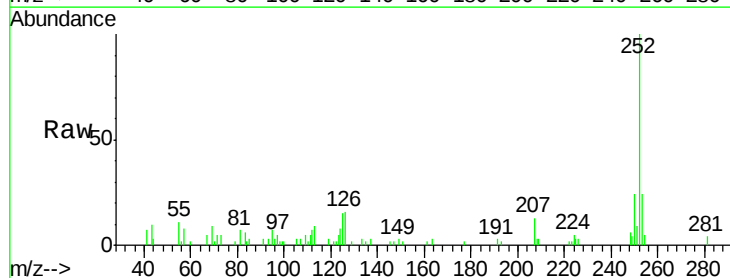
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.8	16.9	25.3

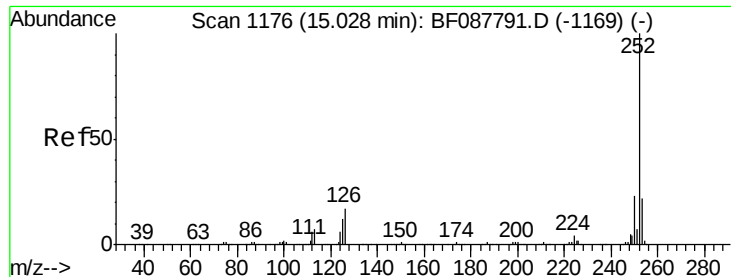


#87
Benzo(b)fluoranthene
Concen: 2.03 ng
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087813.D
Acq: 8 Jun 2016 16:51

Tgt Ion: 252 Resp: 30861

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.2
125	15.4	7.1	10.7#





#88
 Benzo(k)fluoranthene
 Concen: 2.69 ng
 RT: 15.01 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: BF087813.D
 Acq: 8 Jun 2016 16:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-21

Tgt Ion: 252 Resp: 30861
 Ion Ratio Lower Upper
 252 100
 253 24.4 18.0 27.0
 125 15.4 11.2 16.8

