

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060716\
 Data File : BF087800.D
 Acq On : 7 Jun 2016 21:50
 Operator : UM/SJ
 Sample : H3379-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Quant Time: Jun 08 04:56:22 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	6.83	152	93729	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	423727	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	196048	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	331907	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	237352	20.00	ng	-0.01
86) Perylene-d12	15.39	264	216049	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	511851	93.36	ng	0.01
7) Phenol-d6	6.47	99	558091	83.99	ng	-0.01
23) Nitrobenzene-d5	7.40	82	413429	56.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	172747	83.45	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	683363	52.65	ng	-0.01
78) Terphenyl-d14	12.94	244	605385	58.04	ng	-0.01

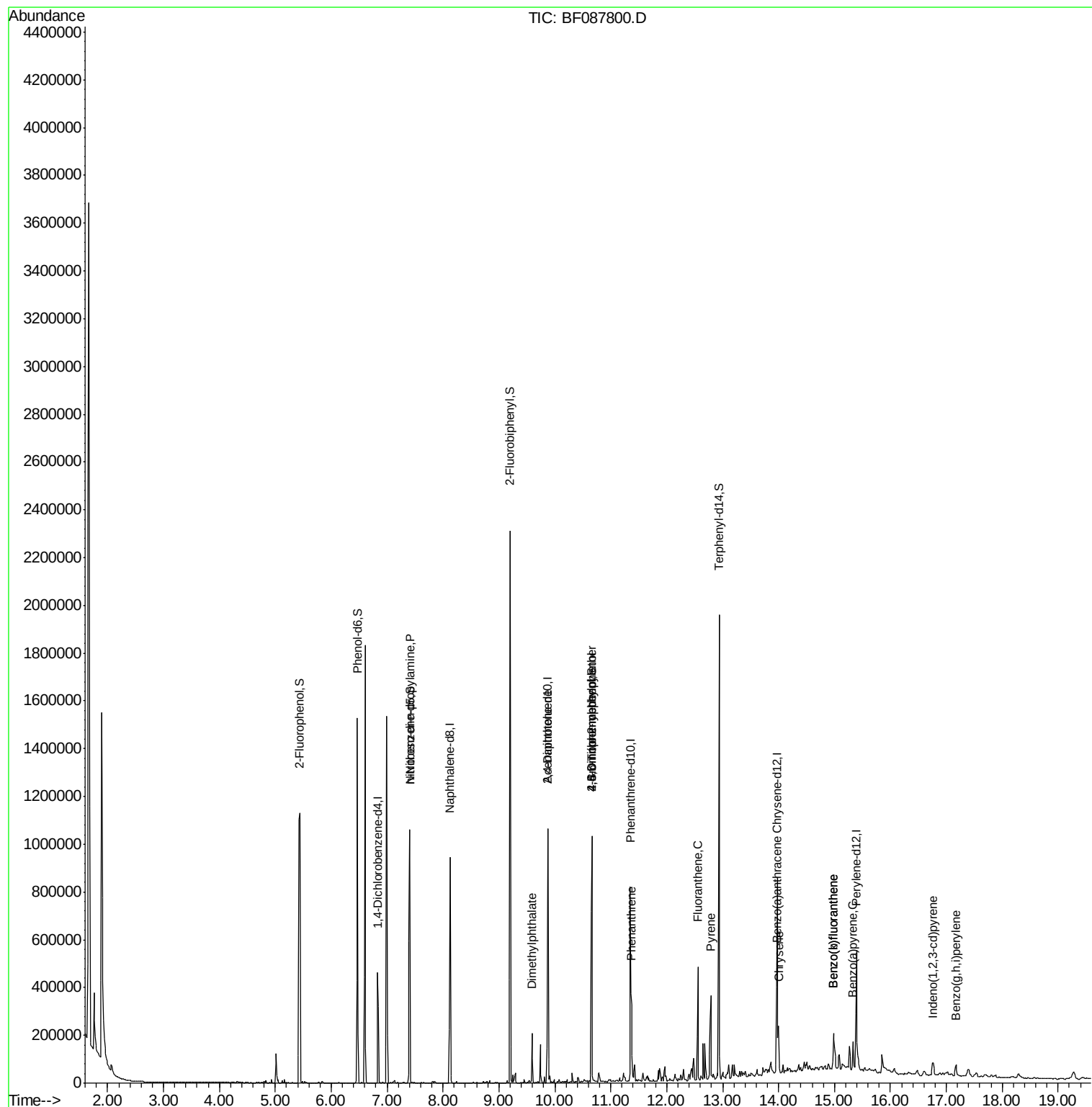
Target Compounds				Qvalue		
10) Phenol	6.48	94	7156	Below Cal	#	65
19) n-Nitroso-di-n-propylamine	7.40	70	51529	12.12 ng	#	70
45) 1,1'-Biphenyl	9.30	154	1072	Below Cal		90
49) Dimethylphthalate	9.59	163	102177	7.19 ng		99
56) 2,4-Dinitrotoluene	9.87	165	25270	6.05 ng	#	37
57) Fluorene	10.42	166	7708	Below Cal		97
64) 4,6-Dinitro-2-methylphenol	10.66	198	214	2.26 ng	#	1
66) 4-Bromophenyl-phenylether	10.66	248	10244	2.88 ng	#	1
70) Phenanthrene	11.37	178	122220	7.02 ng		99
74) Fluoranthene	12.56	202	200943	10.93 ng		95
77) Pyrene	12.79	202	185638	10.54 ng		97
80) Benzo(a)anthracene	13.97	228	86994	6.43 ng		99
82) Chrysene	14.00	228	59873	4.71 ng		95
85) Indeno(1,2,3-cd)pyrene	16.77	276	39937	3.38 ng	#	100
87) Benzo(b)fluoranthene	14.98	252	112675	7.48 ng	#	92
88) Benzo(k)fluoranthene	14.98	252	112675	9.92 ng		98
89) Benzo(a)pyrene	15.33	252	61197	5.02 ng		94
91) Benzo(g,h,i)perylene	17.18	276	41997	3.61 ng		95

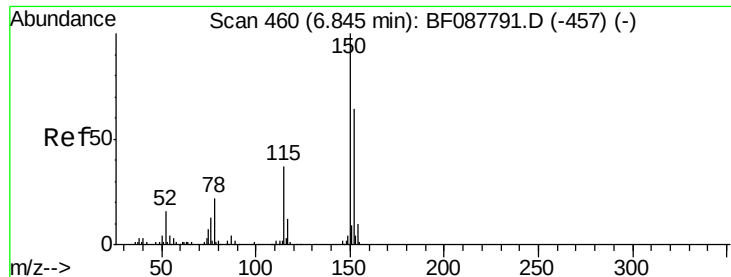
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

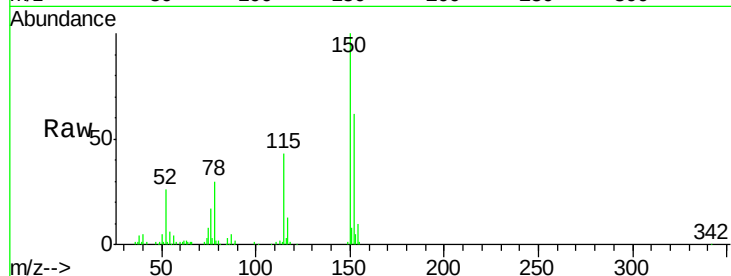
Tgt Ion:152 Resp: 93729

Ion Ratio Lower Upper

152 100

150 161.5 123.8 185.6

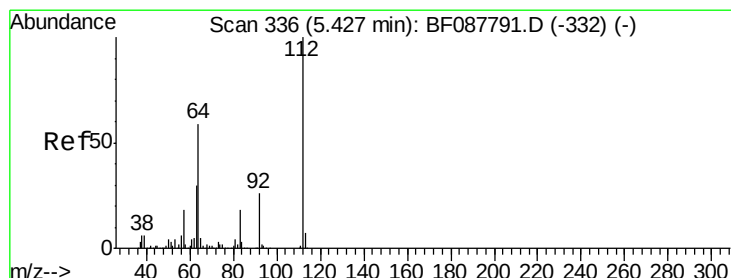
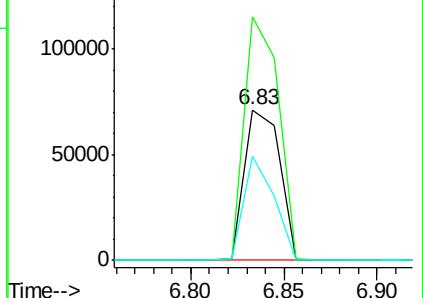
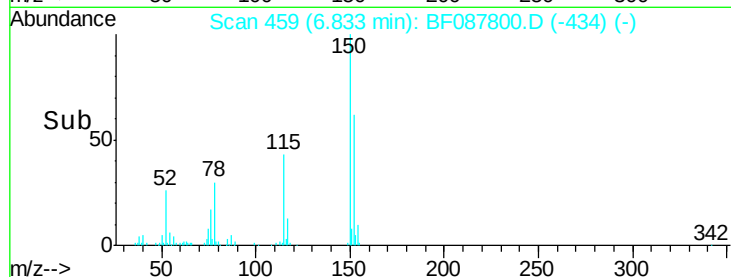
115 68.9 39.6 59.4#



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: 93.36 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

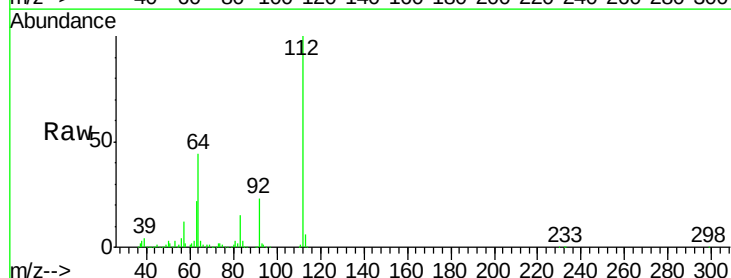
Tgt Ion:112 Resp: 511851

Ion Ratio Lower Upper

112 100

64 43.6 42.2 63.2

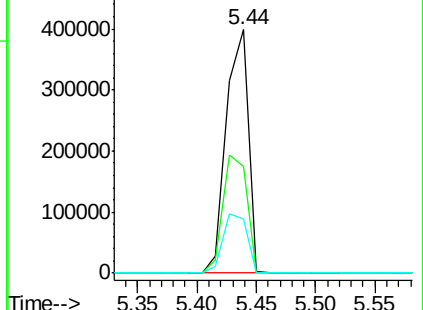
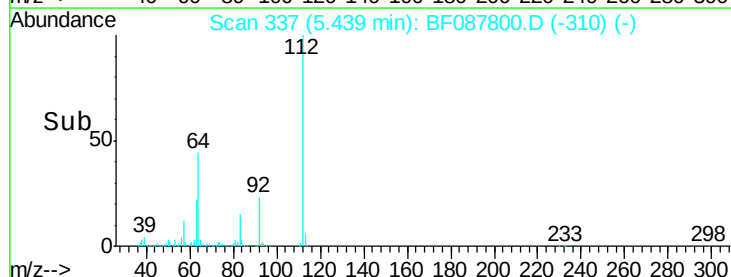
63 22.0 21.8 32.8

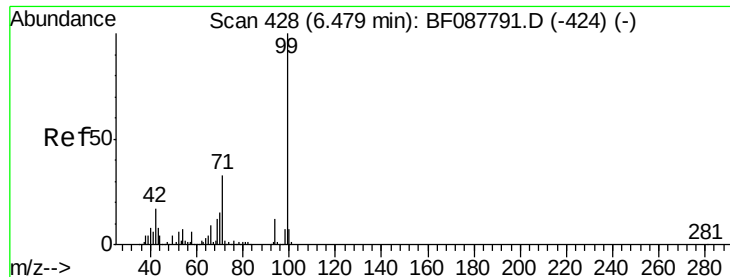


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.99 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

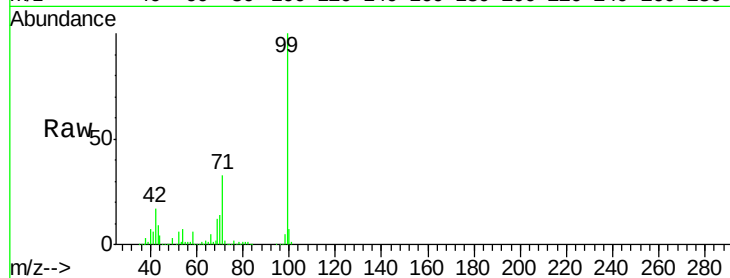
Tgt Ion: 99 Resp: 558091

Ion Ratio Lower Upper

99 100

42 16.9 12.2 18.2

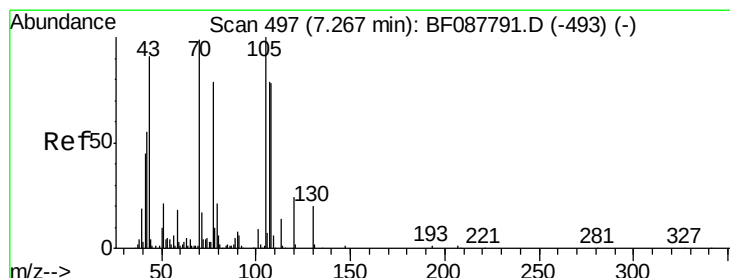
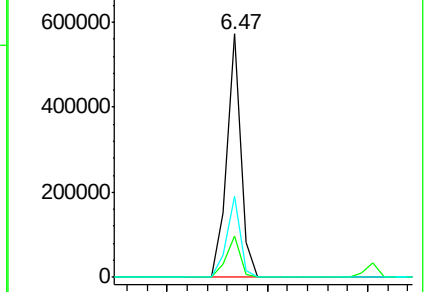
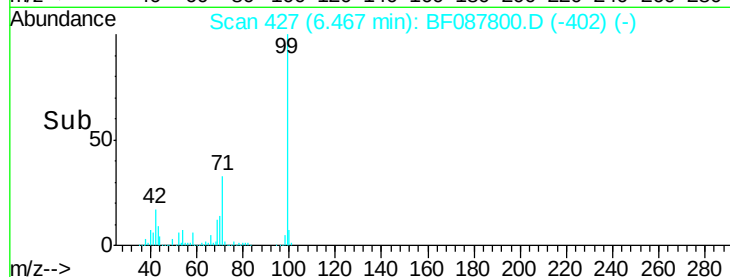
71 33.3 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.12 ng

RT: 7.40 min Scan# 509

Delta R.T. 0.14 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Tgt Ion: 70 Resp: 51529

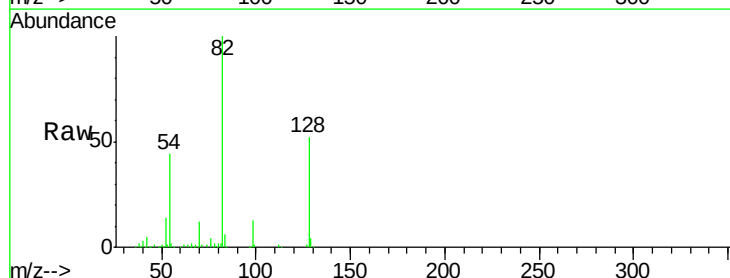
Ion Ratio Lower Upper

70 100

42 39.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.7 15.4 23.2#

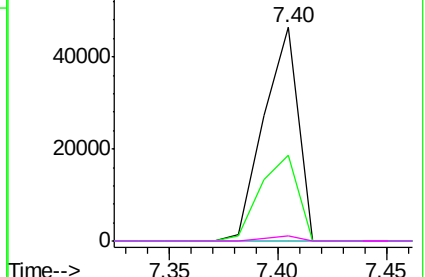
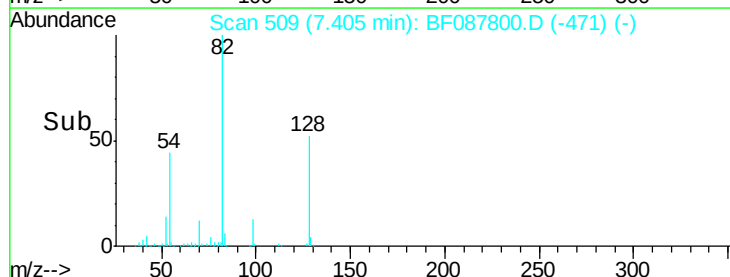


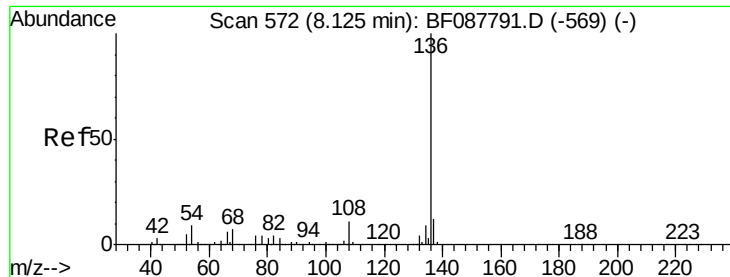
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

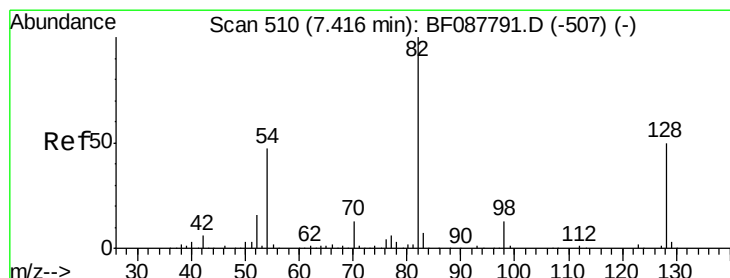
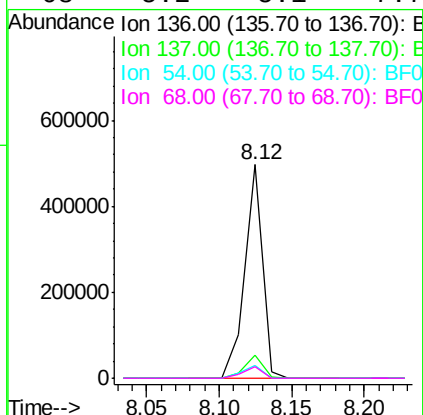
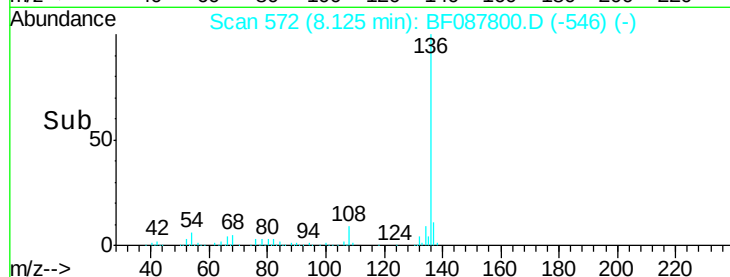
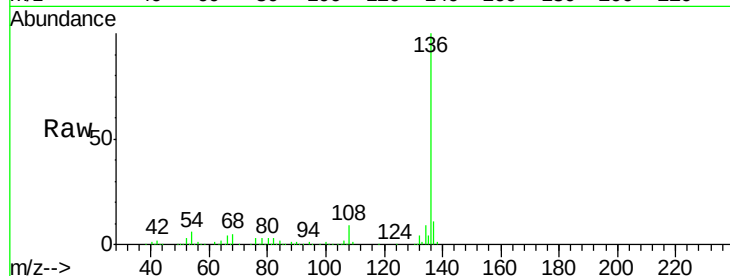




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

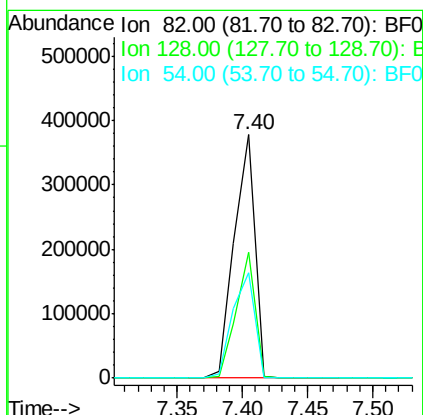
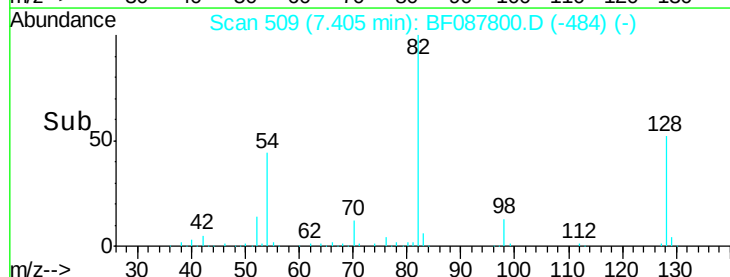
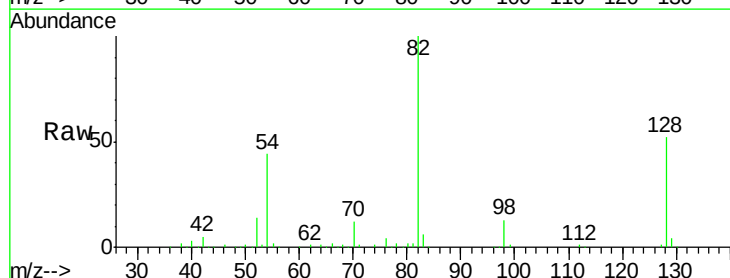
Instrument :
BNA_F
ClientSampleId :
SS-2

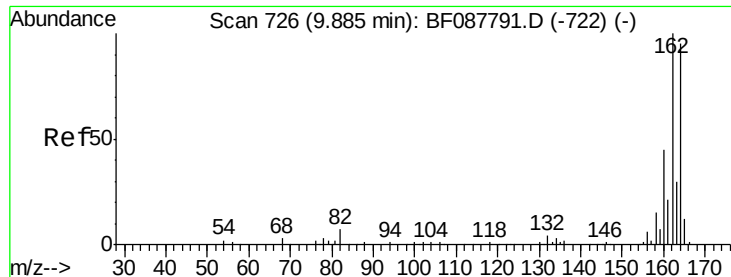
Tgt Ion:	136	Resp:	423727
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.3	6.6	10.0#
68	5.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 56.97 ng
RT: 7.40 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

Tgt Ion:	82	Resp:	413429
Ion	Ratio	Lower	Upper
82	100		
128	51.7	35.9	53.9
54	43.5	40.9	61.3

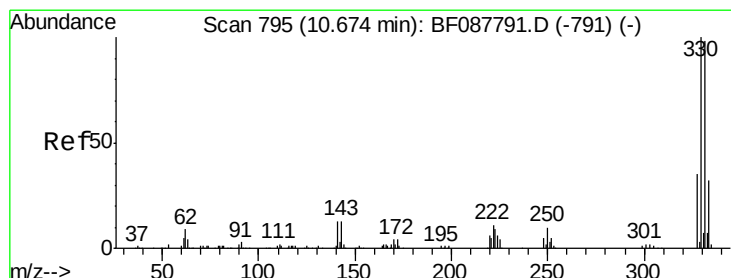
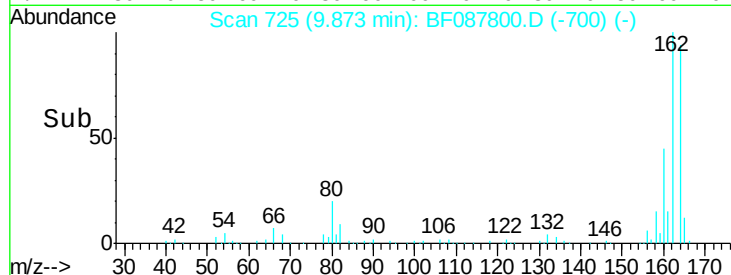
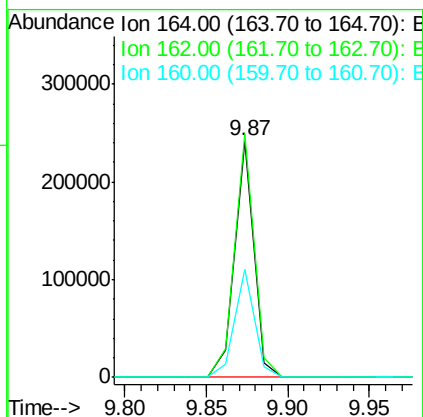
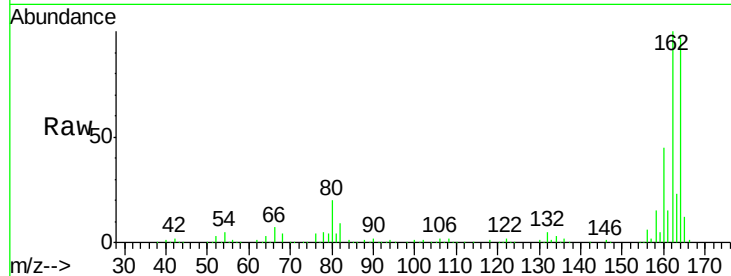




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

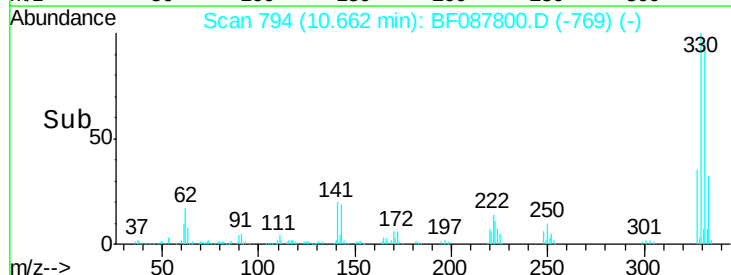
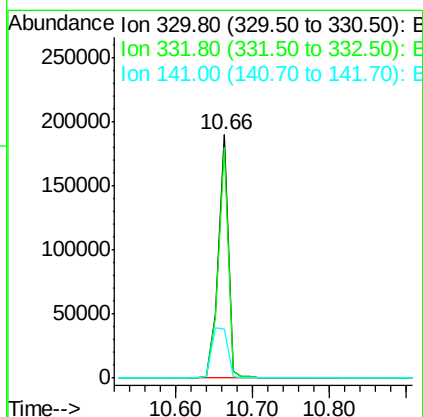
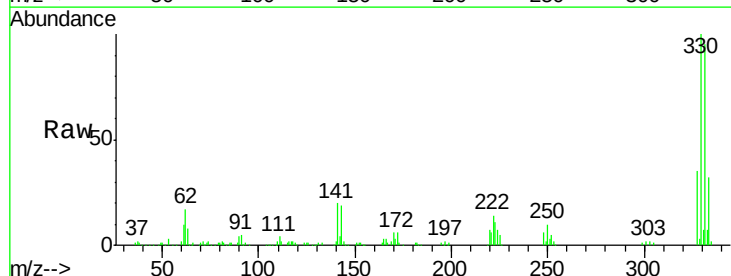
Instrument :
 BNA_F
 ClientSampleId :
 SS-2

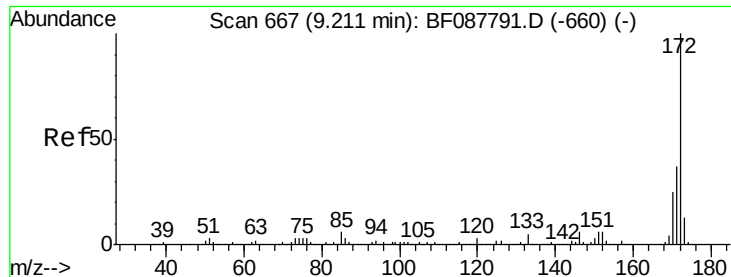
Tgt Ion:164 Resp: 196048
 Ion Ratio Lower Upper
 164 100
 162 103.2 85.4 128.2
 160 45.9 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 83.45 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Tgt Ion:330 Resp: 172747
 Ion Ratio Lower Upper
 330 100
 332 94.9 0.0 0.0#
 141 32.3 0.0 0.0#

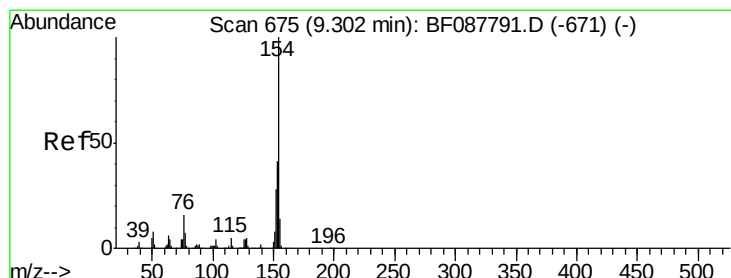
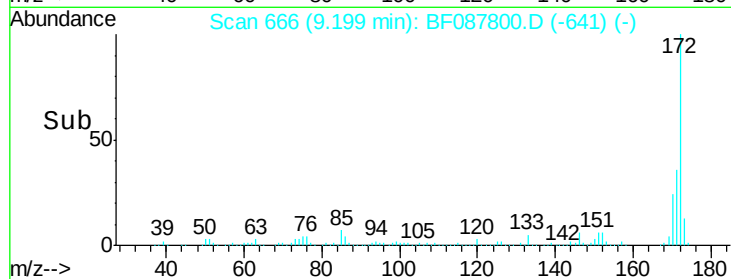
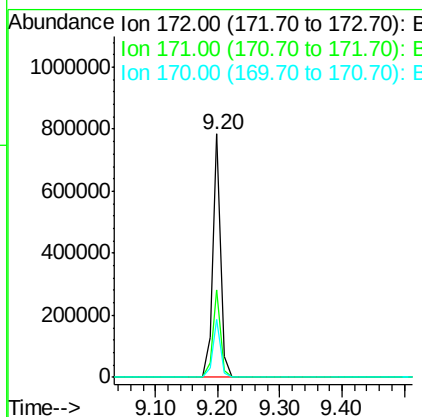
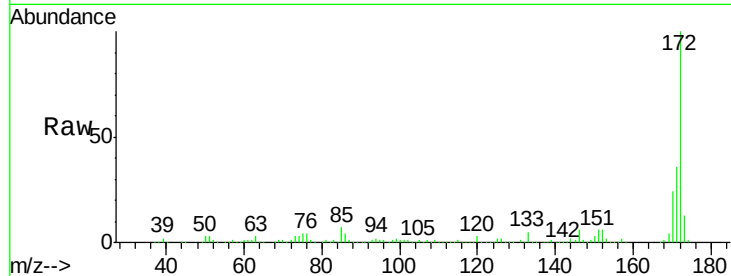




#44
 2-Fluorobiphenyl
 Concen: 52.65 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

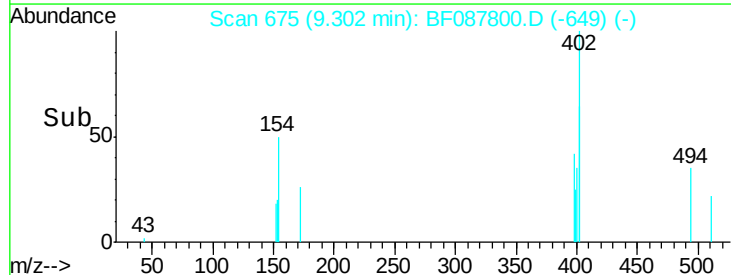
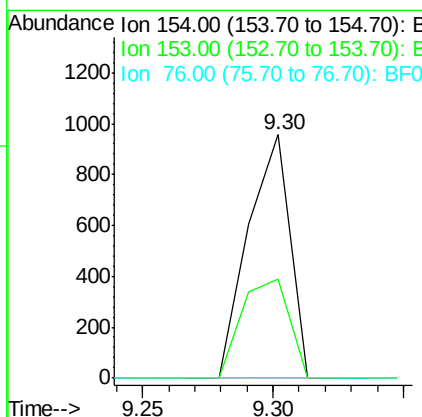
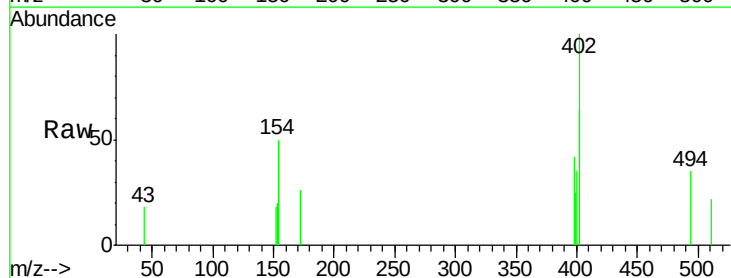
Instrument :
 BNA_F
 ClientSampleId :
 SS-2

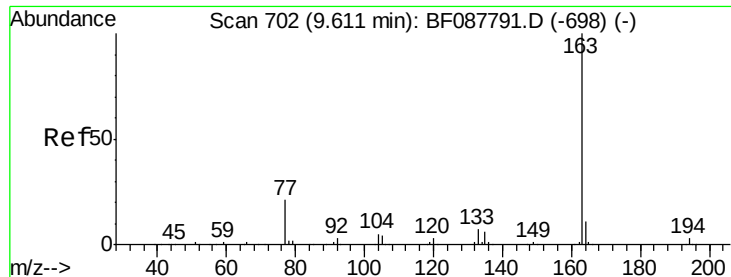
Tgt Ion:172 Resp: 683363
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.0 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.30 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Tgt Ion:154 Resp: 1072
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.6 60.6
 76 0.0 0.0 35.1





#49

Dimethylphthalate

Concen: 7.19 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

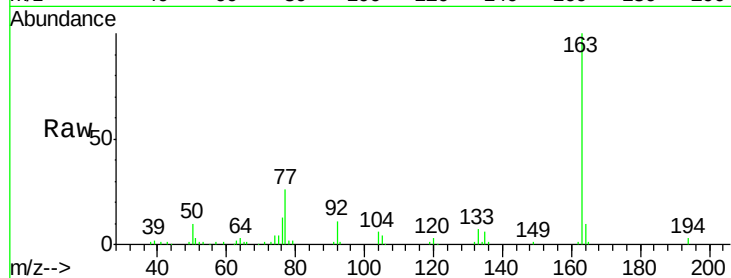
Tgt Ion:163 Resp: 102177

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

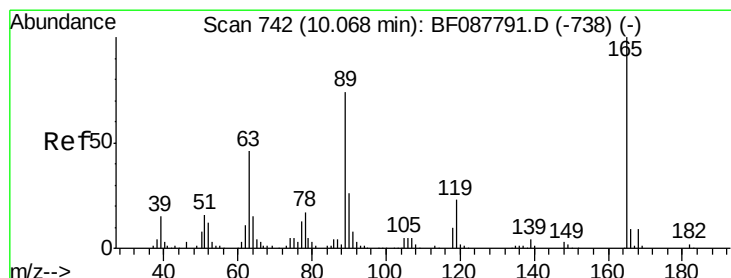
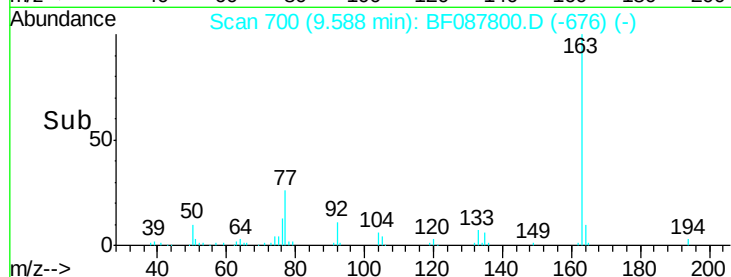
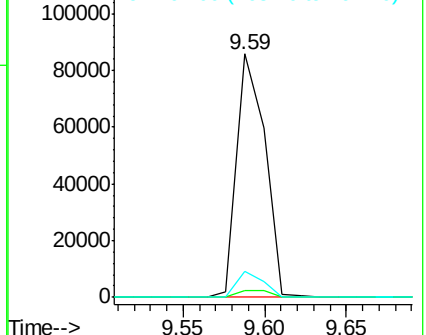
164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.05 ng

RT: 9.87 min Scan# 725

Delta R.T. -0.19 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Tgt Ion:165 Resp: 25270

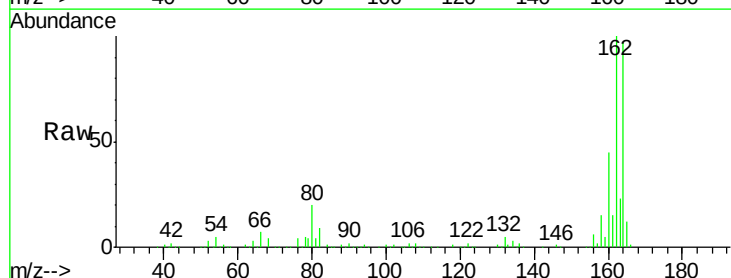
Ion Ratio Lower Upper

165 100

63 1.2 22.0 33.0#

89 1.3 41.1 61.7#

182 0.0 2.0 3.0#

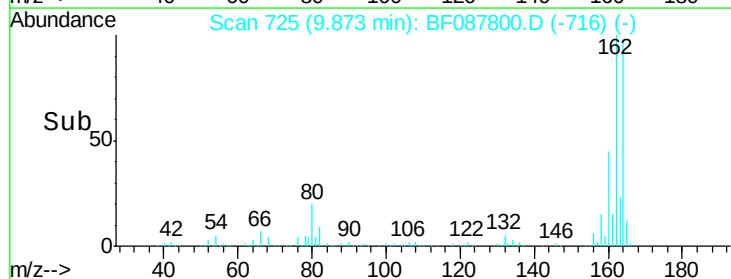
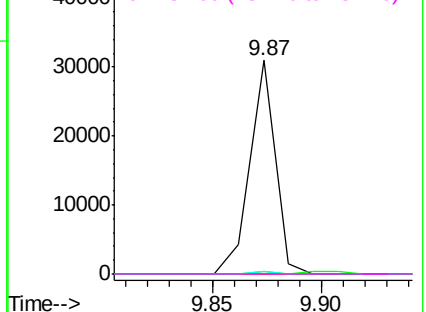


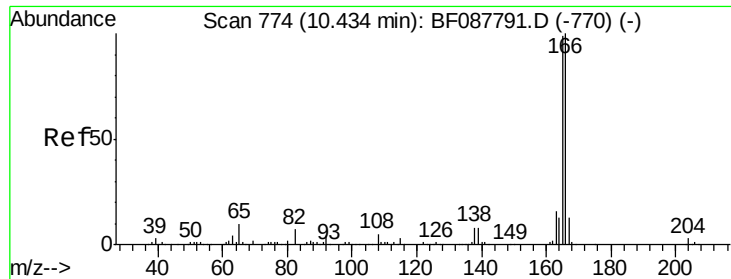
Abundance Ion 165.00 (164.70 to 165.70): E

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

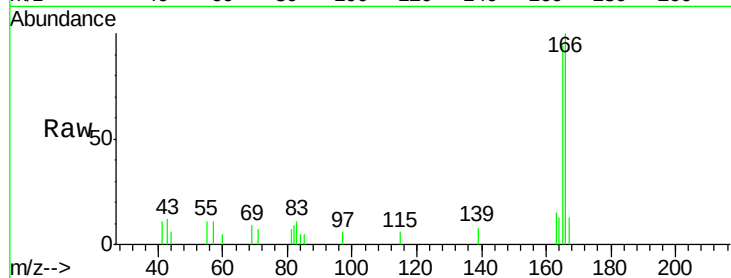




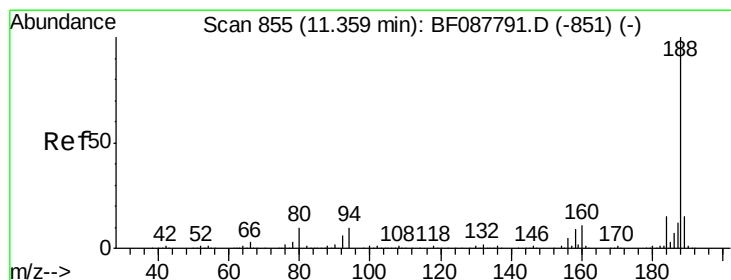
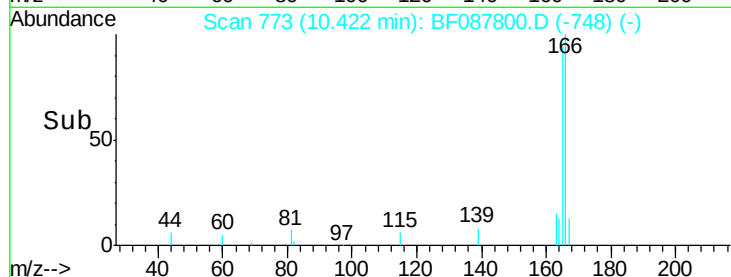
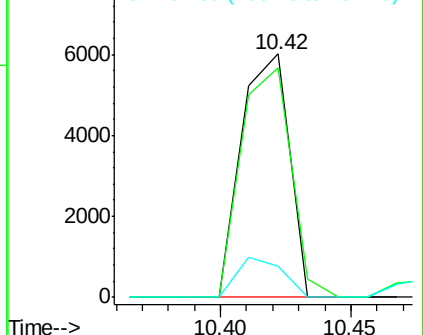
#57
 Fluorene
 Concen: Below Cal
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Tgt Ion:166 Resp: 7708
 Ion Ratio Lower Upper
 166 100
 165 94.5 77.8 116.8
 167 12.8 11.2 16.8

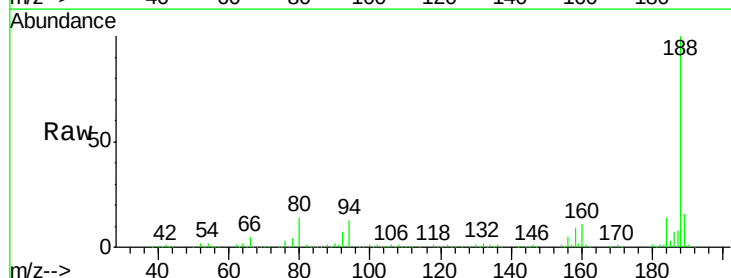


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

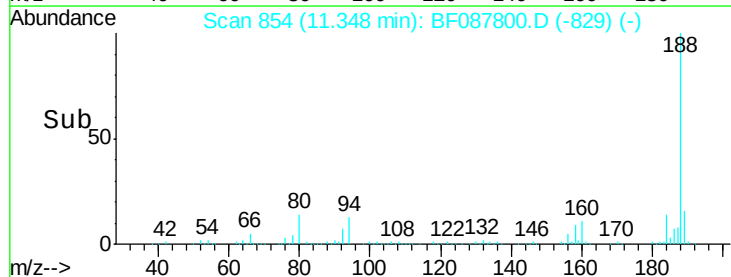
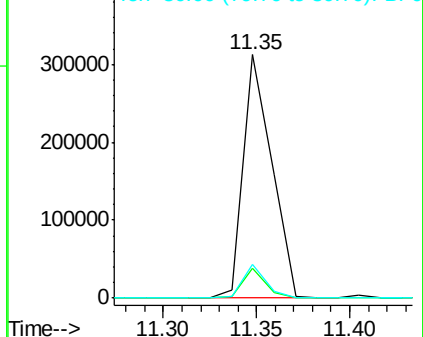


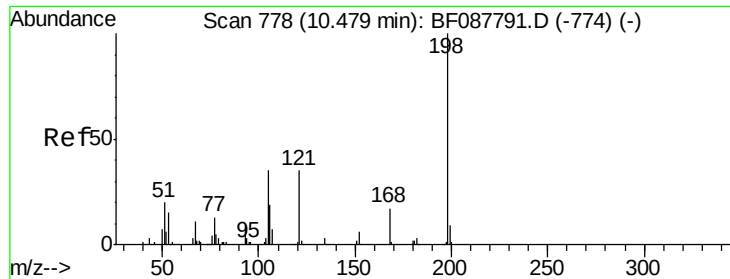
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.35 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Tgt Ion:188 Resp: 331907
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.0 13.6
 80 14.0 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

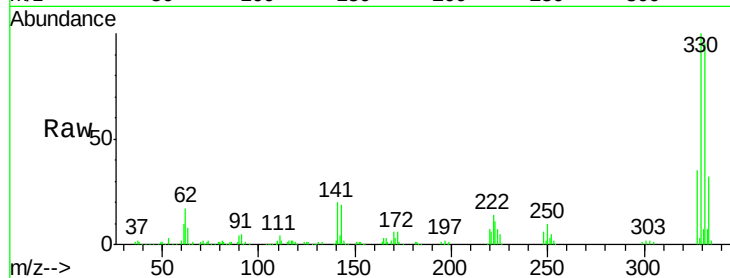




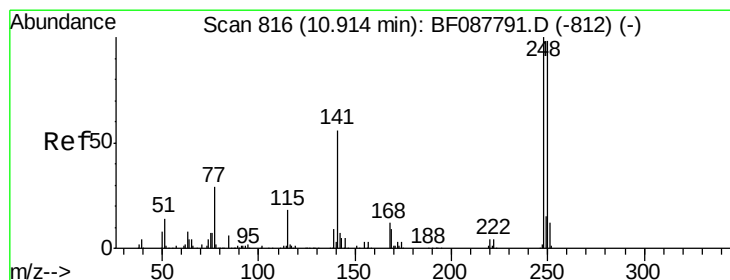
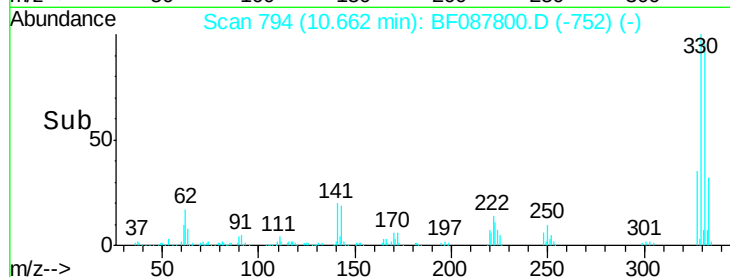
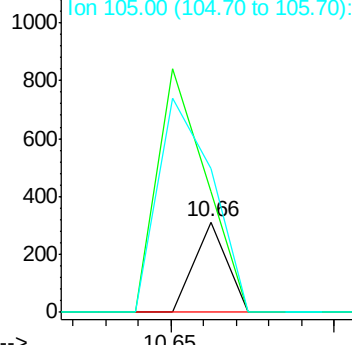
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.26 ng
 RT: 10.66 min Scan# 794
 Delta R.T. 0.18 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Instrument :
 BNA_F
 ClientSampled :
 SS-2

Tgt Ion:198 Resp: 214
 Ion Ratio Lower Upper
 198 100
 51 133.0 39.6 79.6#
 105 159.0 36.6 76.6#

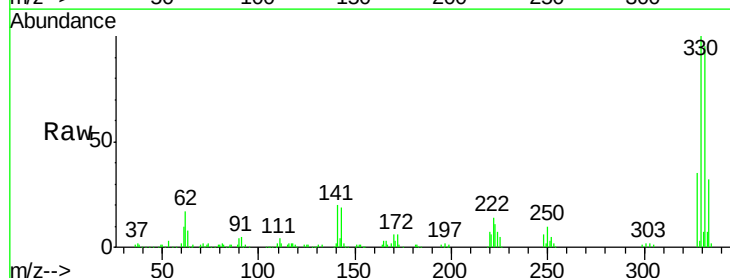


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

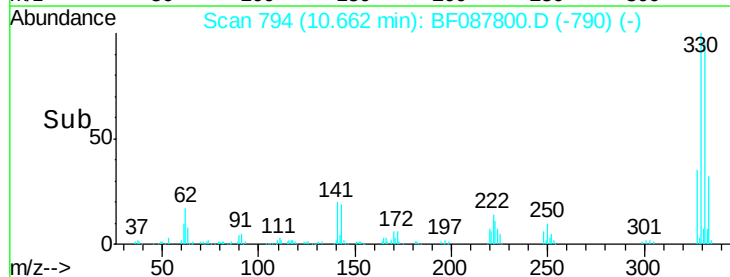
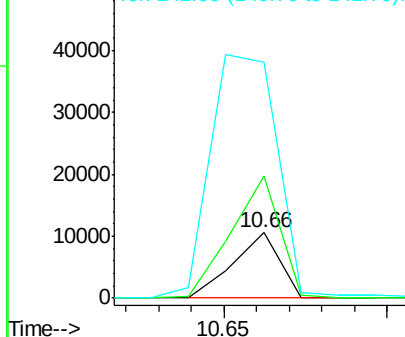


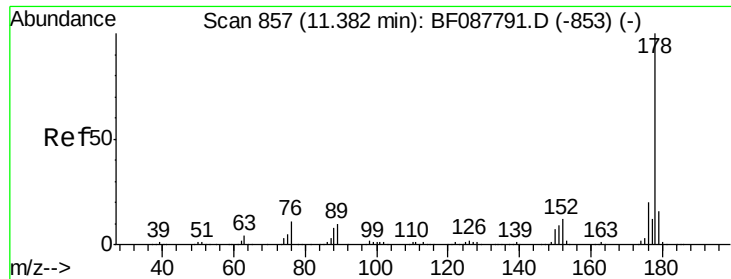
#66
 4-Bromophenyl-phenylether
 Concen: 2.88 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.25 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Tgt Ion:248 Resp: 10244
 Ion Ratio Lower Upper
 248 100
 250 187.0 77.1 115.7#
 141 360.6 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

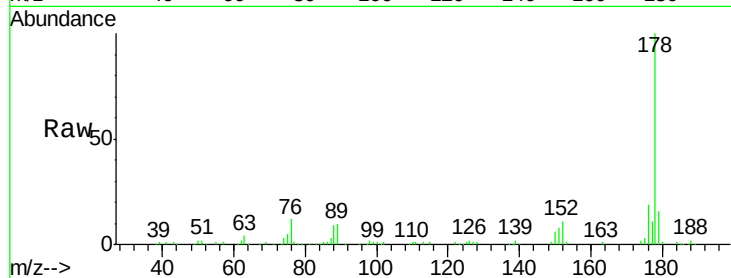




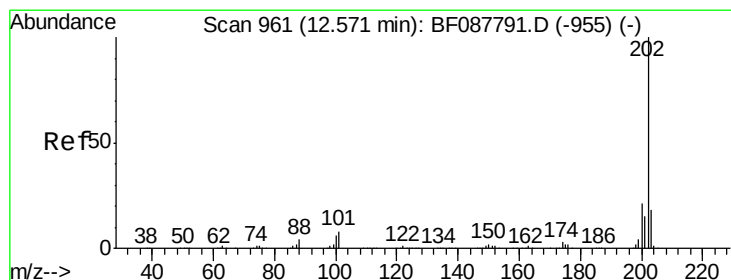
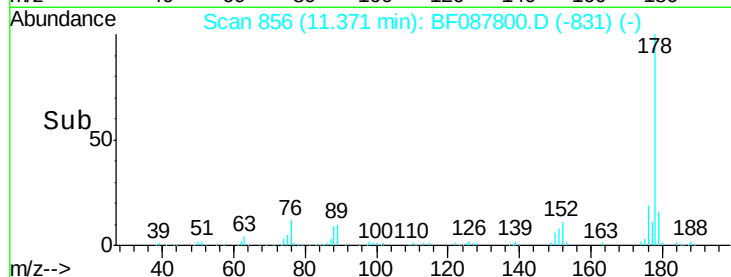
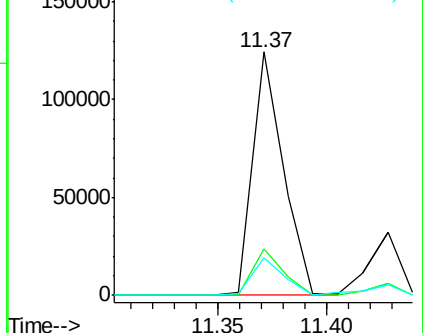
#70
Phenanthrene
Concen: 7.02 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

Instrument :
BNA_F
ClientSampleId :
SS-2

Tgt Ion:178 Resp: 122220
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.6 13.0 19.4

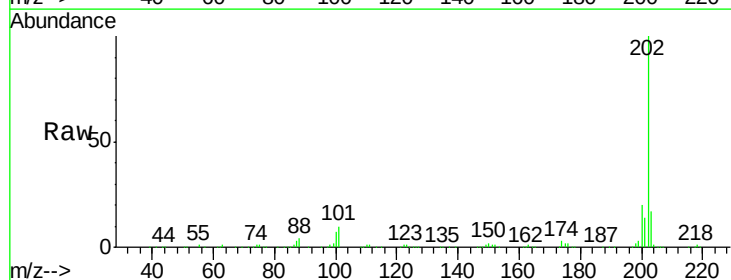


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

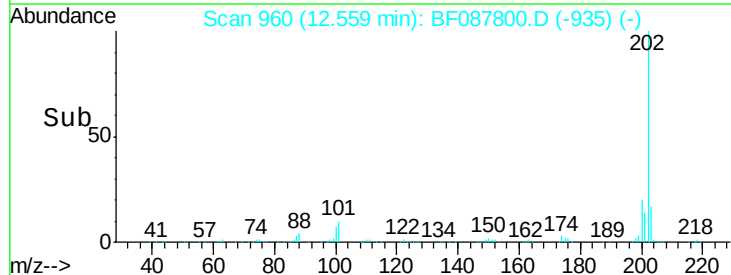
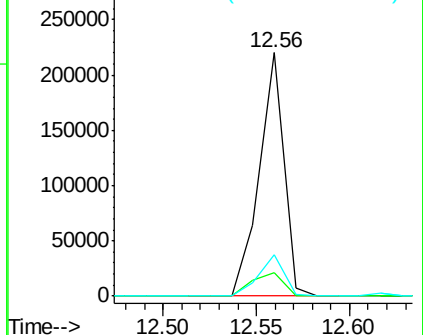


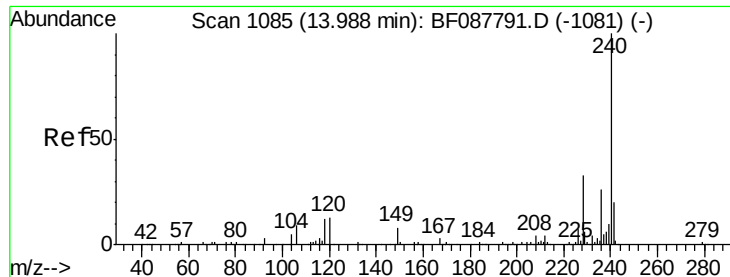
#74
Fluoranthene
Concen: 10.93 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

Tgt Ion:202 Resp: 200943
Ion Ratio Lower Upper
202 100
101 9.6 0.0 33.1
203 17.1 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: 13.98 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

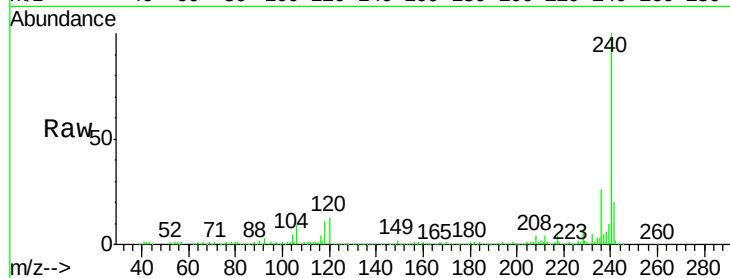
Tgt Ion:240 Resp: 237352

Ion Ratio Lower Upper

240 100

120 12.8 6.8 10.2#

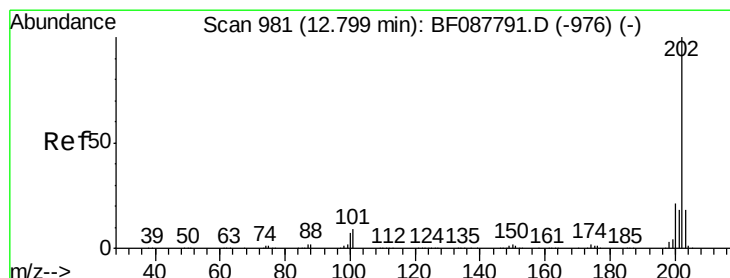
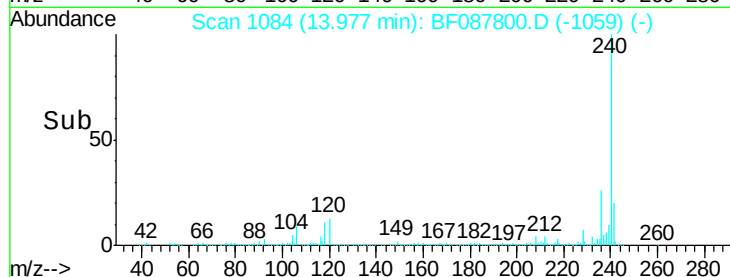
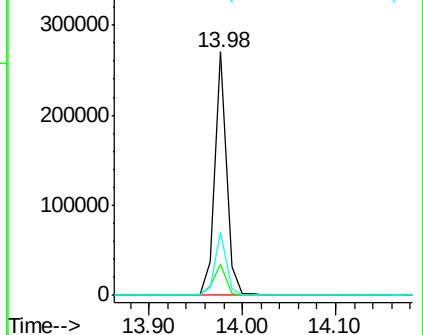
236 25.9 20.2 30.2



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



#77

Pyrene

Concen: 10.54 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

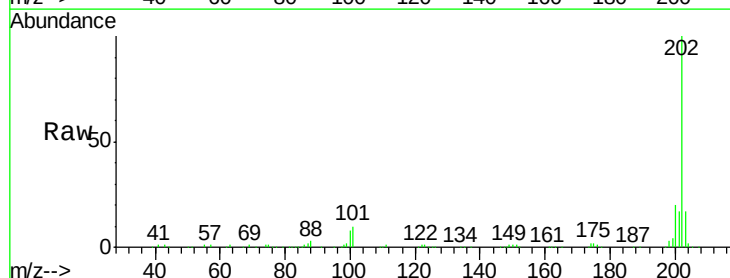
Tgt Ion:202 Resp: 185638

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

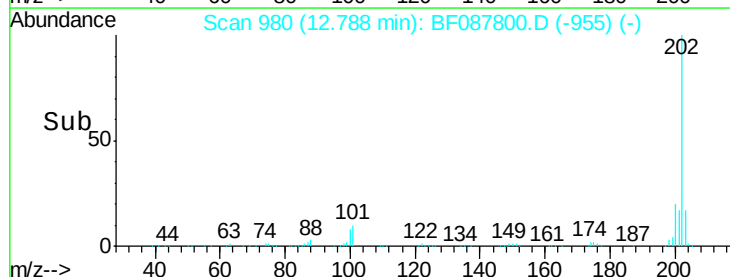
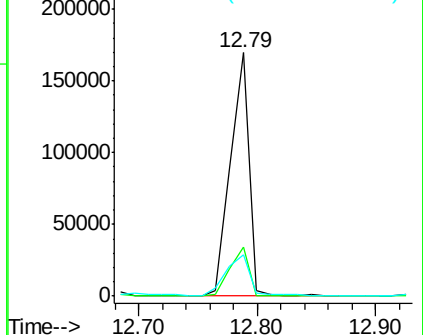
203 17.1 14.5 21.7

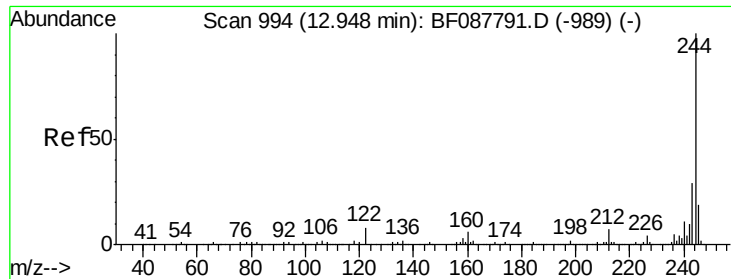


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

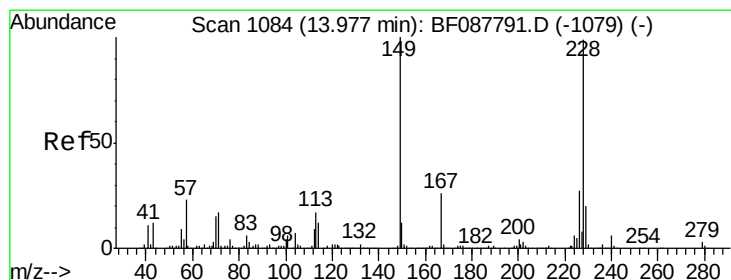
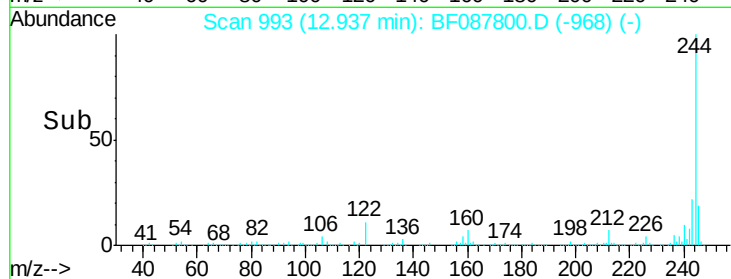
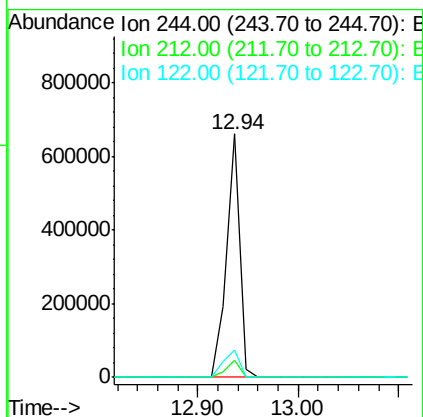
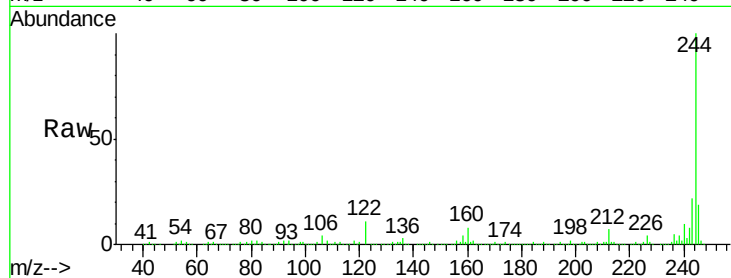




#78
 Terphenyl-d14
 Concen: 58.04 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

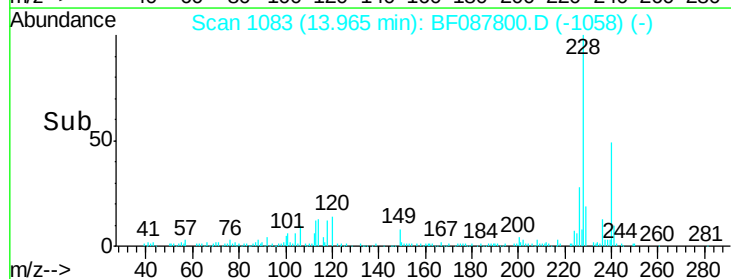
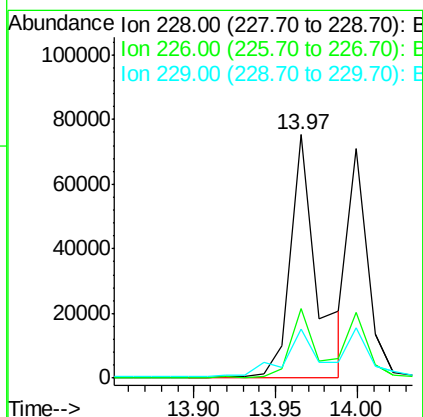
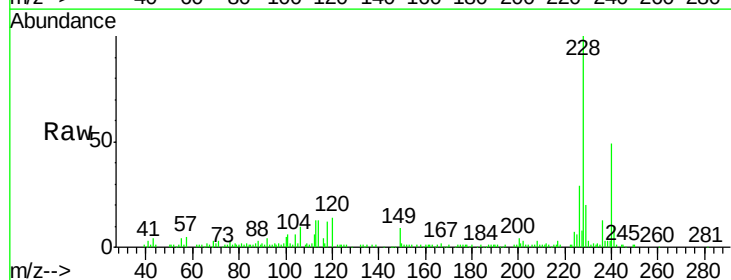
Instrument :
 BNA_F
 ClientSampleId :
 SS-2

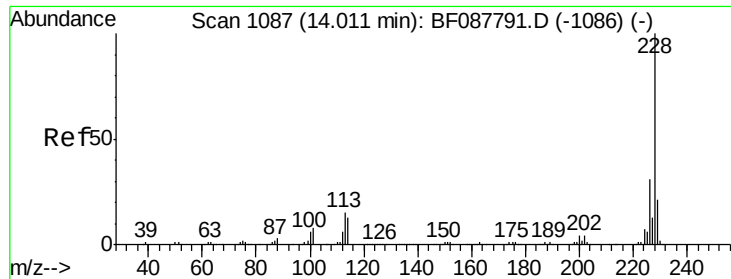
Tgt Ion:244 Resp: 605385
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.4 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 6.43 ng
 RT: 13.97 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF087800.D
 Acq: 7 Jun 2016 21:50

Tgt Ion:228 Resp: 86994
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.3 33.5
 229 20.4 16.0 24.0





#82

Chrysene

Concen: 4.71 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

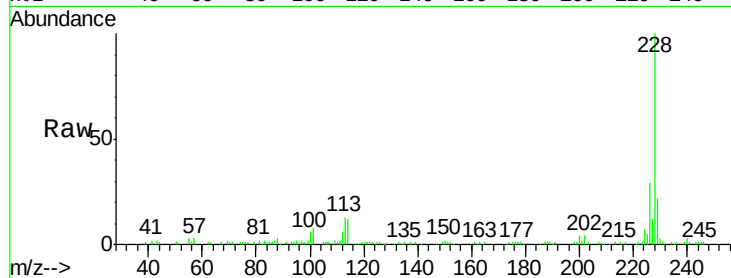
Tgt Ion:228 Resp: 59873

Ion Ratio Lower Upper

228 100

226 28.5 25.4 38.2

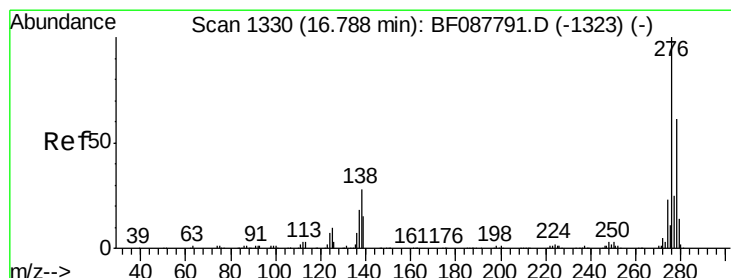
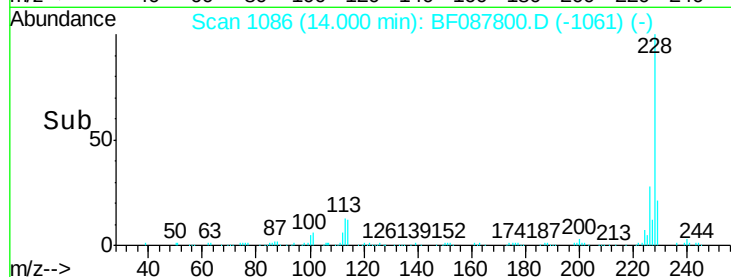
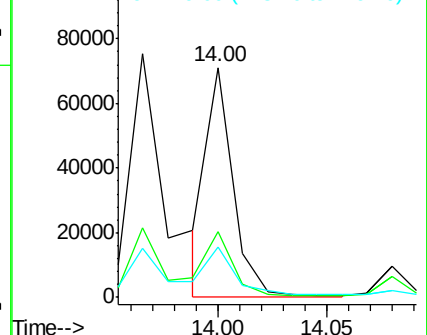
229 22.1 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.38 ng

RT: 16.77 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

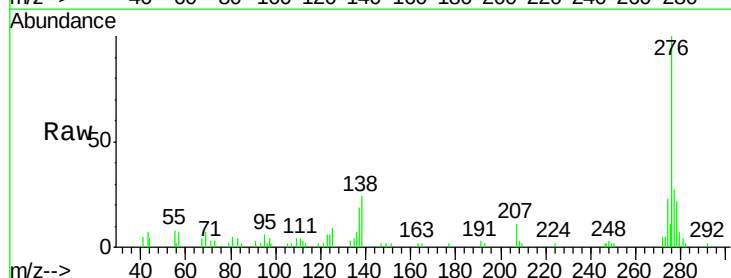
Tgt Ion:276 Resp: 39937

Ion Ratio Lower Upper

276 100

138 29.7 0.0 0.0#

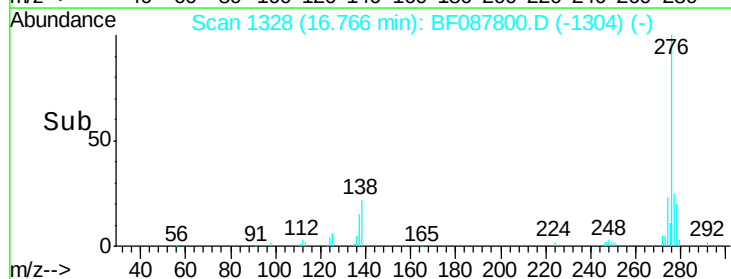
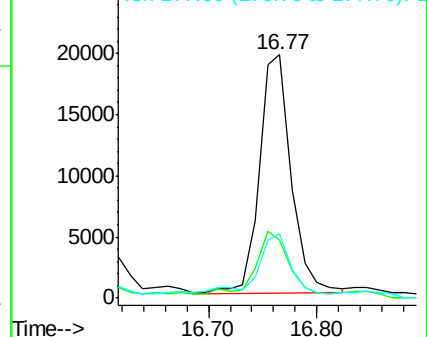
277 30.8 0.0 0.0#

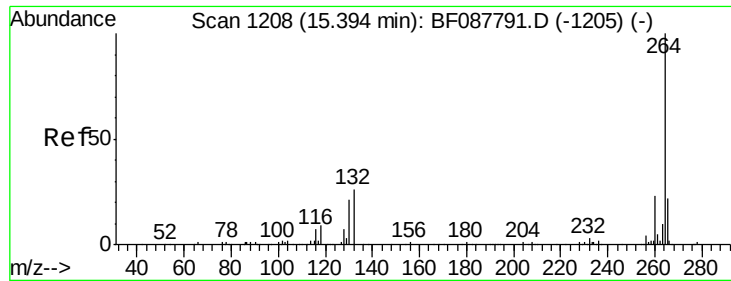


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

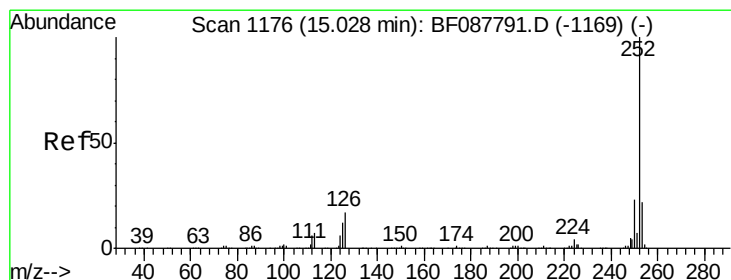
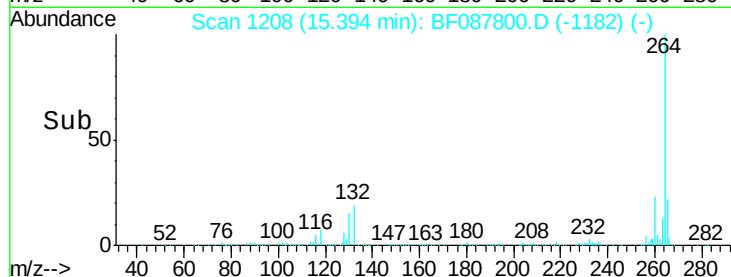
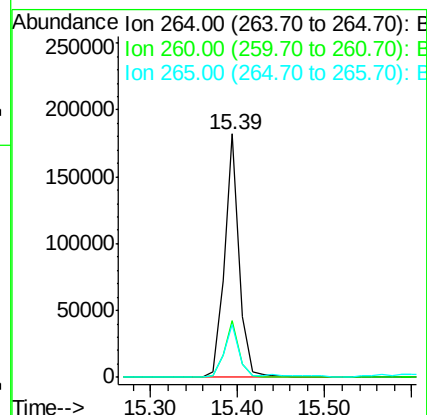
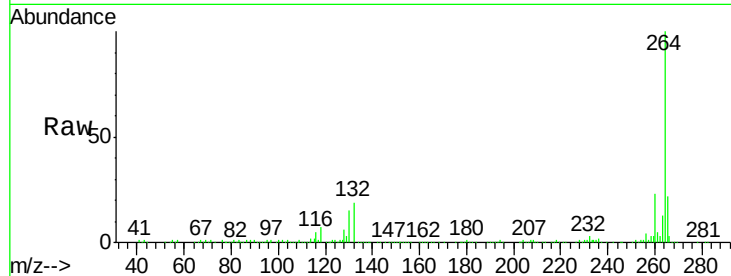




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

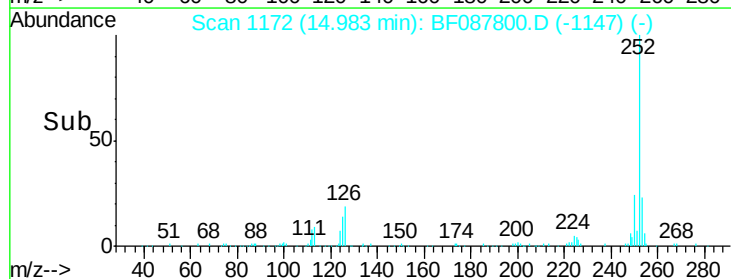
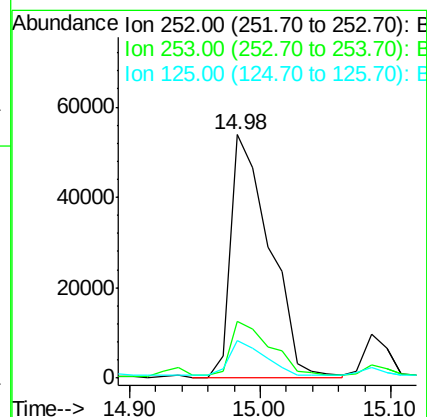
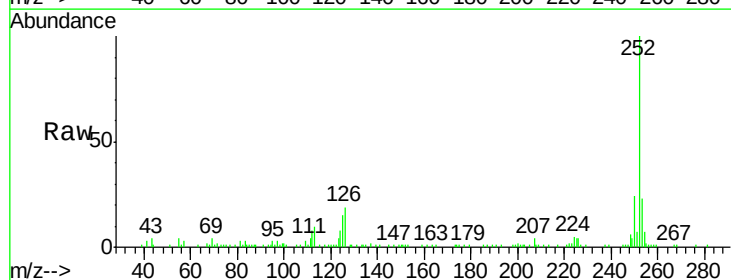
Instrument :
BNA_F
ClientSampled :
SS-2

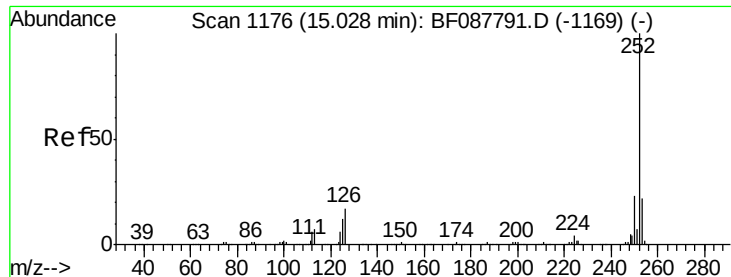
Tgt Ion:264 Resp: 216049
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.7 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 7.48 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

Tgt Ion:252 Resp: 112675
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 15.5 7.1 10.7#

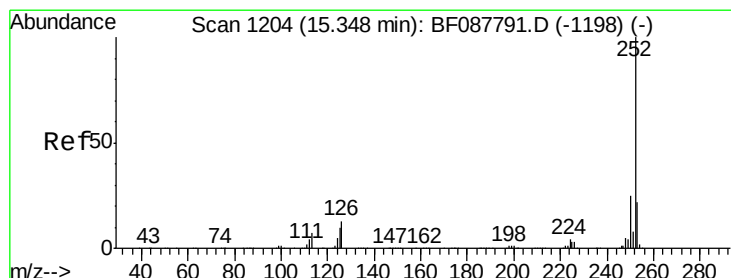
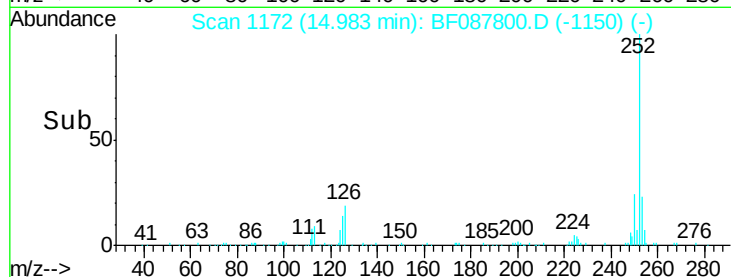
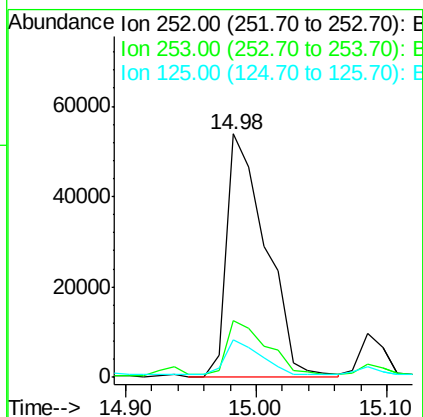
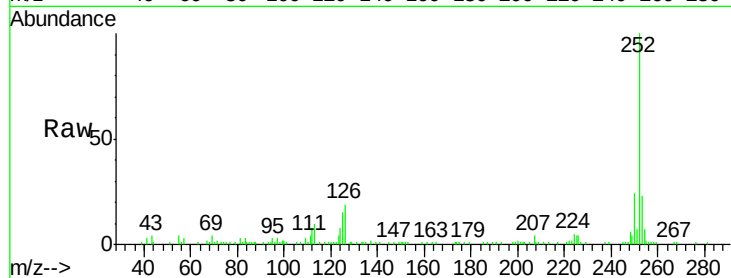




#88
Benzo(k)fluoranthene
Concen: 9.92 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

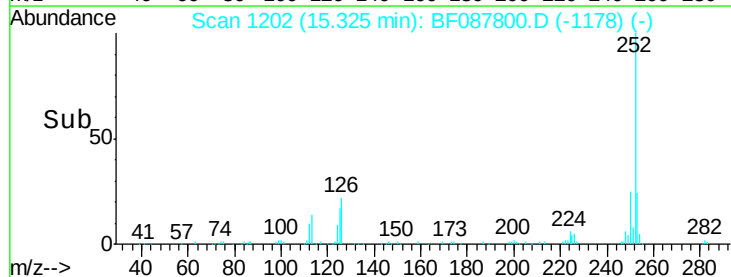
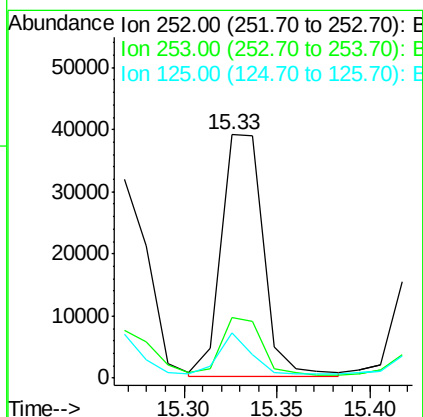
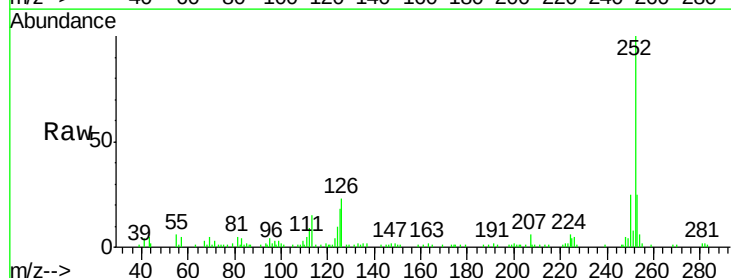
Instrument :
BNA_F
ClientSampleId :
SS-2

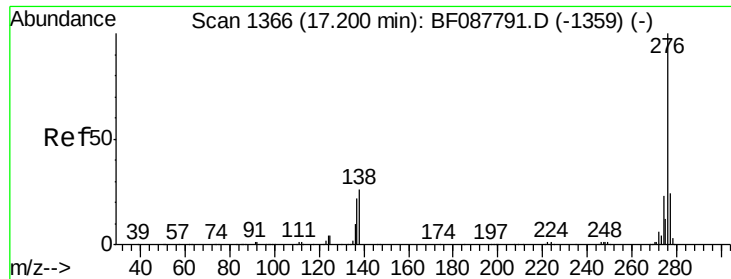
Tgt Ion: 252 Resp: 112675
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 15.5 11.2 16.8



#89
Benzo(a)pyrene
Concen: 5.02 ng
RT: 15.33 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF087800.D
Acq: 7 Jun 2016 21:50

Tgt Ion: 252 Resp: 61197
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 18.3 12.5 18.7





#91

Benzo(g,h,i)perylene

Concen: 3.61 ng

RT: 17.18 min Scan# 1364

Delta R.T. -0.02 min

Lab File: BF087800.D

Acq: 7 Jun 2016 21:50

Instrument :

BNA_F

ClientSampleId :

SS-2

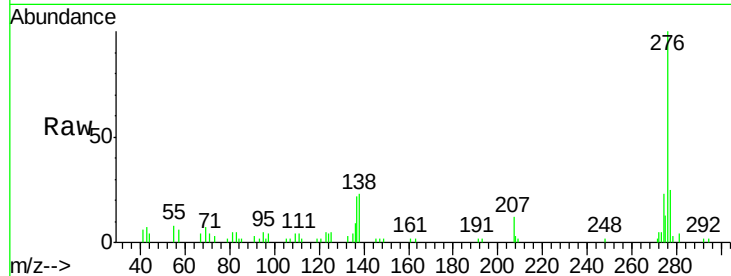
Tgt Ion: 276 Resp: 41997

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 23.4 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

