

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071816\
 Data File : BF089100.D
 Acq On : 19 Jul 2016 00:11
 Operator : UM/SJ
 Sample : H4045-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H10-B4(0-6)C

Quant Time: Jul 19 03:18:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

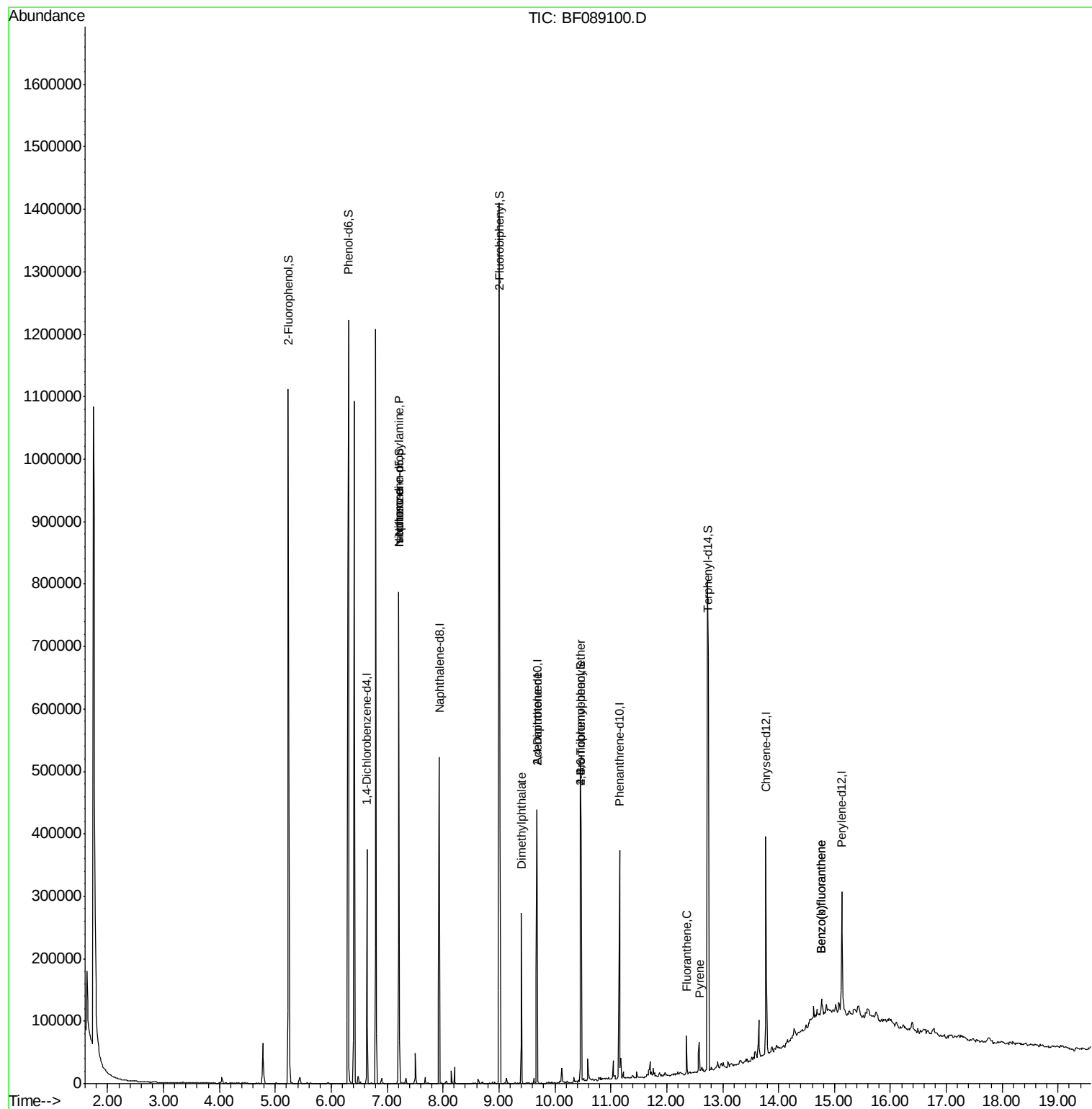
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	52691	20.00	ng	-0.07
21) Naphthalene-d8	7.93	136	227609	20.00	ng	-0.07
38) Acenaphthene-d10	9.68	164	90065	20.00	ng	-0.07
63) Phenanthrene-d10	11.15	188	143214	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	102605	20.00	ng	-0.08
86) Perylene-d12	15.13	264	81835	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	354066	100.71	ng	-0.06
7) Phenol-d6	6.31	99	538600	118.56	ng	-0.05
23) Nitrobenzene-d5	7.21	82	262962	60.54	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	73788	88.23	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	448654	78.69	ng	-0.07
78) Terphenyl-d14	12.74	244	325720	70.71	ng	-0.06
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.21	70	36176	11.86	ng	# 74
25) Isophorone	7.21	82	207247	25.76	ng	# 65
49) Dimethylphthalate	9.40	163	105921	16.51	ng	99
56) 2,4-Dinitrotoluene	9.68	165	11332	6.09	ng	# 36
66) 4-Bromophenyl-phenylether	10.47	248	5592	3.87	ng	# 1
74) Fluoranthene	12.35	202	20927	2.64	ng	99
77) Pyrene	12.58	202	20515	2.36	ng	98
87) Benzo(b)fluoranthene	14.77	252	14599	2.84	ng	# 74
88) Benzo(k)fluoranthene	14.77	252	14599	3.27	ng	# 80

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C

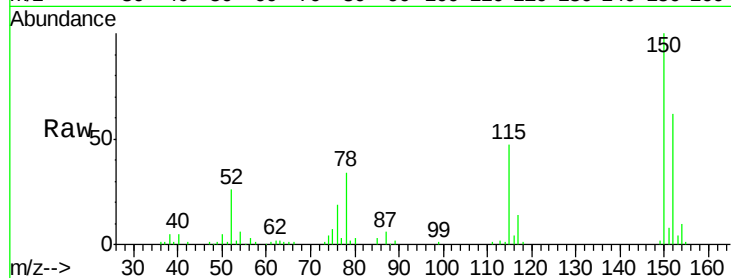
Tgt Ion:152 Resp: 52691

Ion Ratio Lower Upper

152 100

150 161.8 123.8 185.6

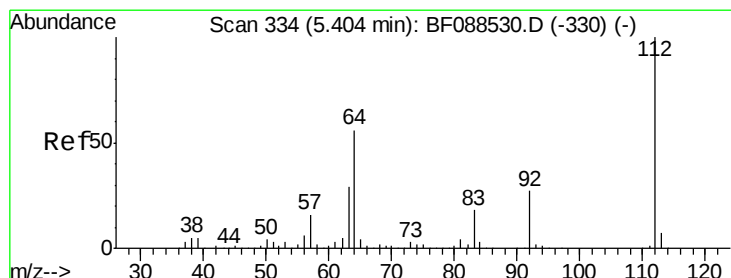
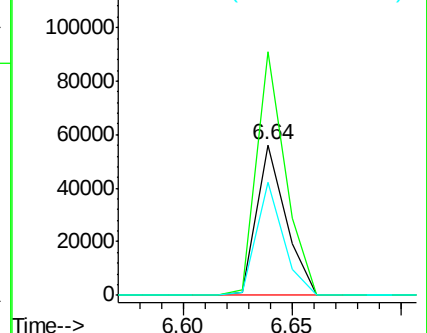
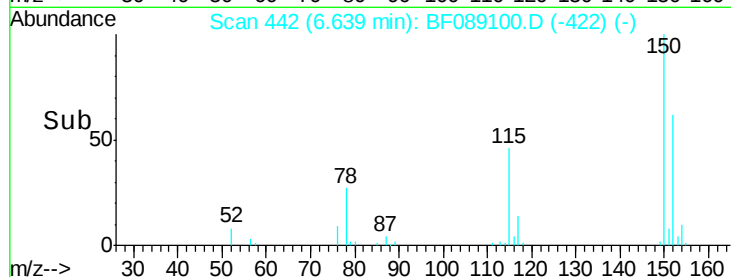
115 75.4 39.6 59.4#



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: 100.71 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.06 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

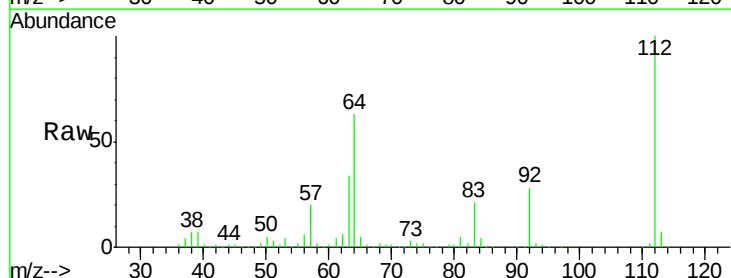
Tgt Ion:112 Resp: 354066

Ion Ratio Lower Upper

112 100

64 63.2 42.2 63.2

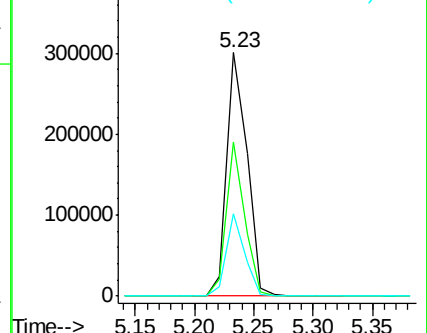
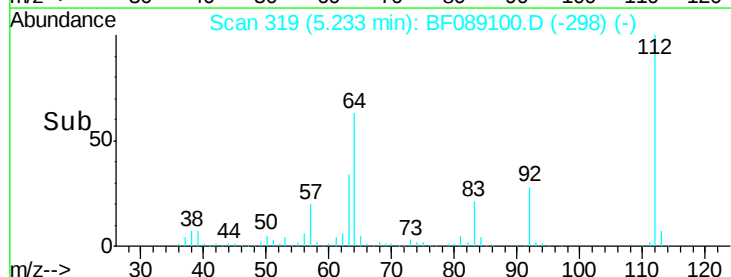
63 33.6 21.8 32.8#



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: 118.56 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C

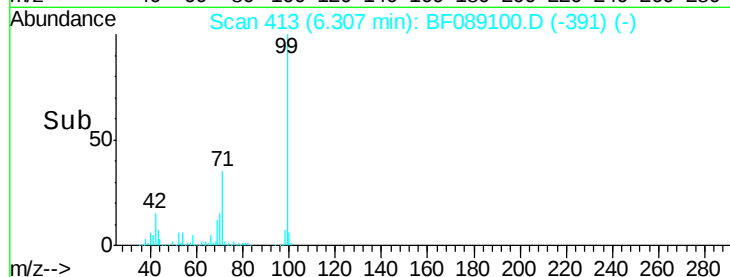
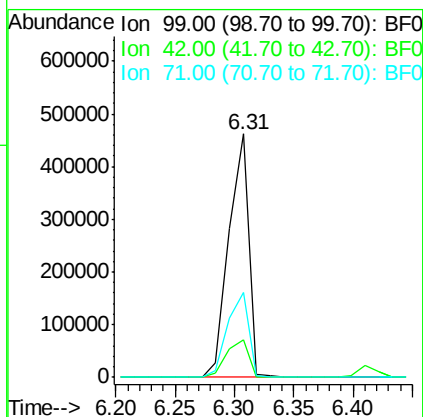
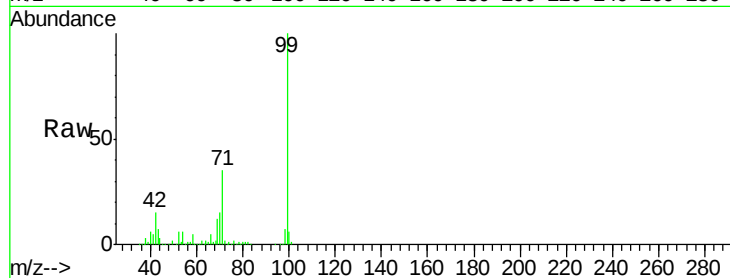
Tgt Ion: 99 Resp: 538600

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

71 34.8 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.86 ng

RT: 7.21 min Scan# 492

Delta R.T. 0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Tgt Ion: 70 Resp: 36176

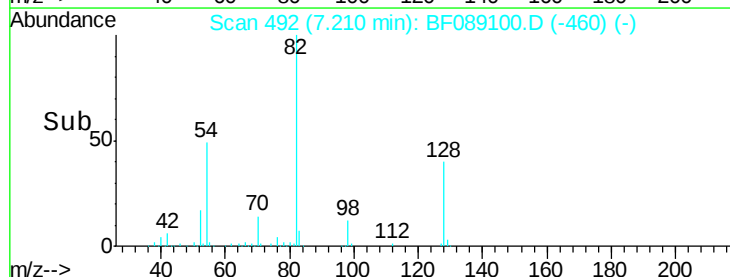
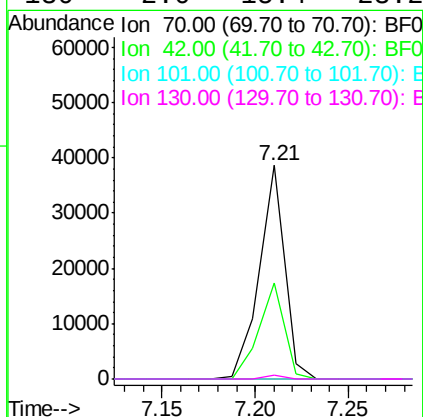
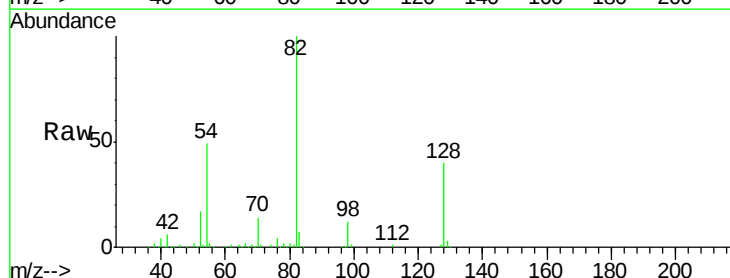
Ion Ratio Lower Upper

70 100

42 45.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C

Tgt Ion:136 Resp: 227609

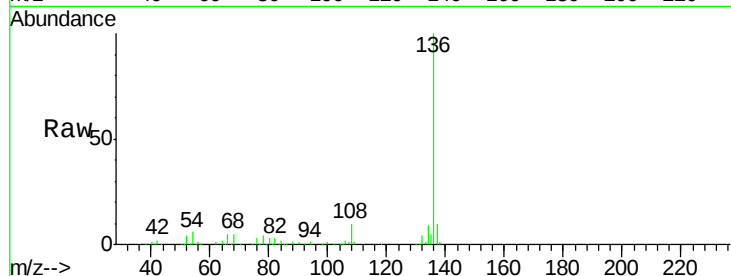
Ion Ratio Lower Upper

136 100

137 10.3 9.1 13.7

54 5.7 6.6 10.0#

68 4.7 5.1 7.7#

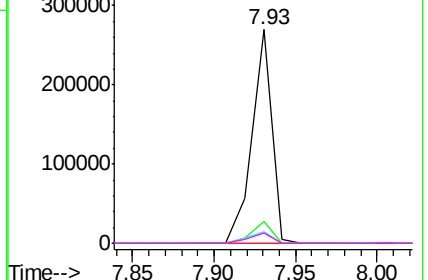
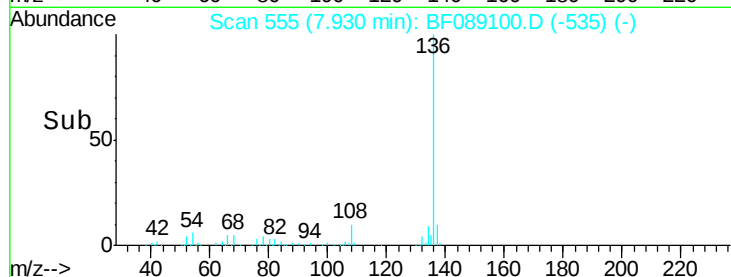


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 60.54 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

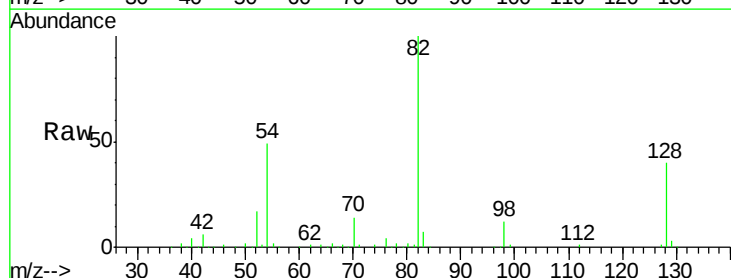
Tgt Ion: 82 Resp: 262962

Ion Ratio Lower Upper

82 100

128 39.9 35.9 53.9

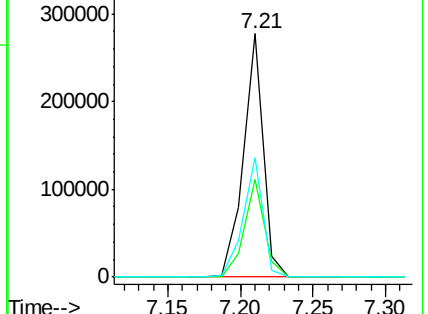
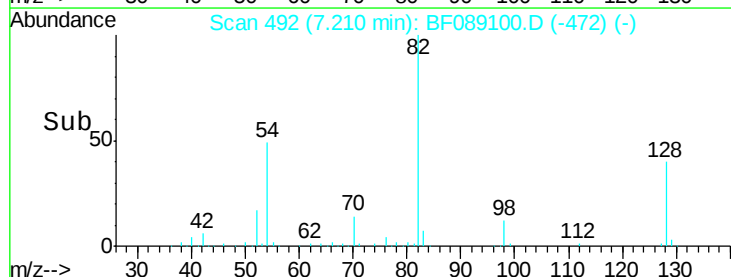
54 49.1 40.9 61.3

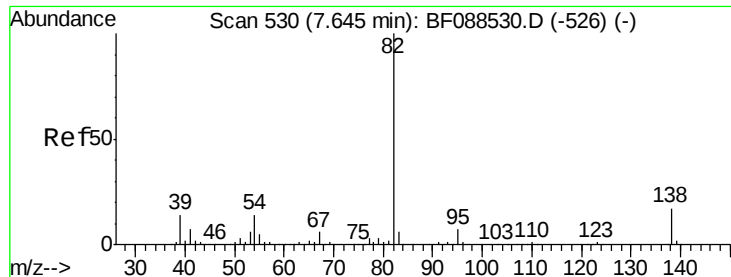


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.76 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.33 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C

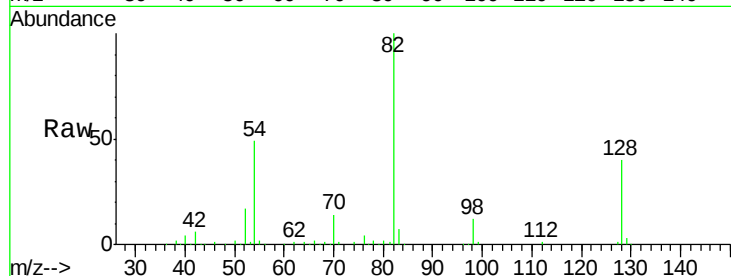
Tgt Ion: 82 Resp: 207247

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

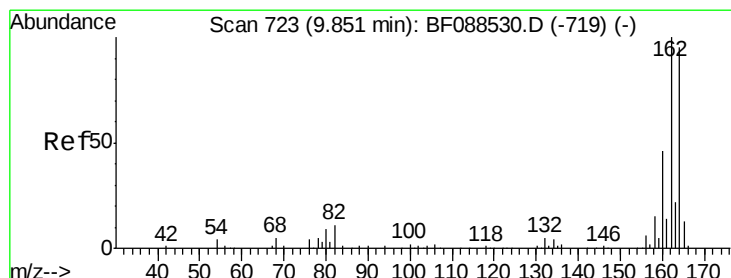
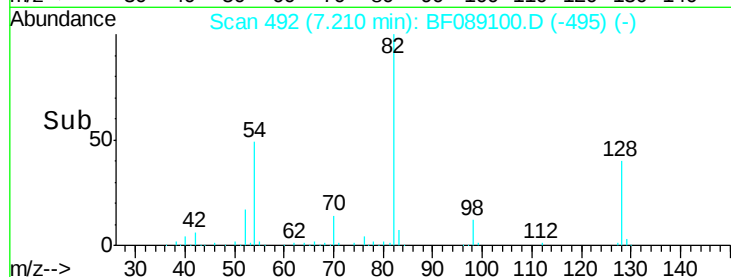
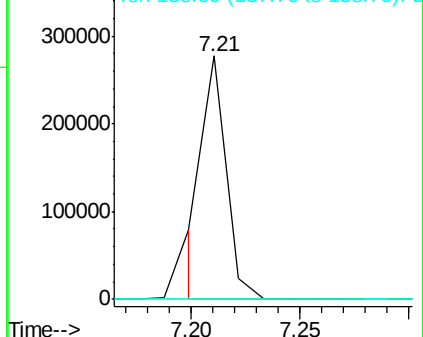
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

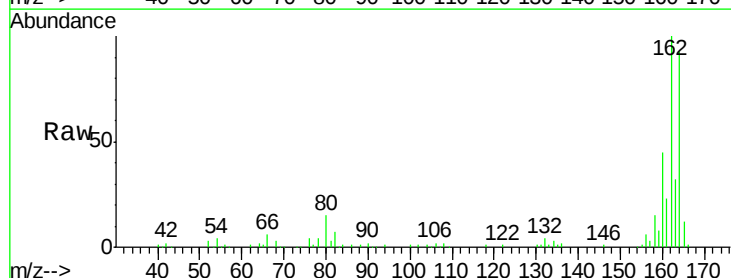
Tgt Ion: 164 Resp: 90065

Ion Ratio Lower Upper

164 100

162 107.3 85.4 128.2

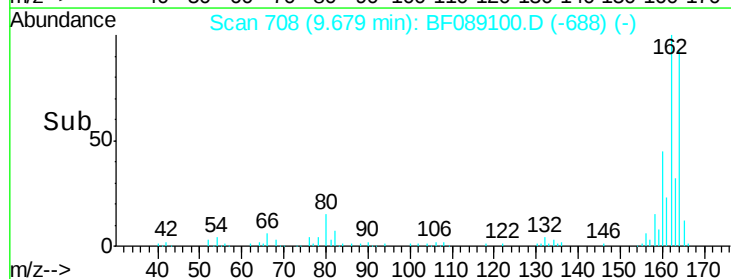
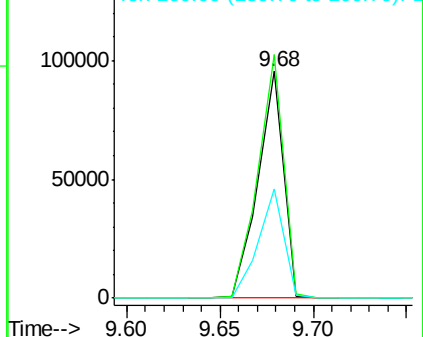
160 48.2 39.5 59.3

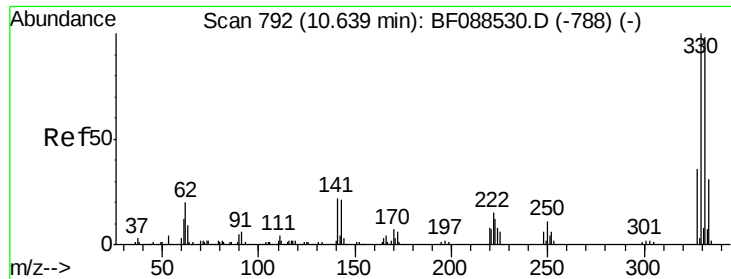


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

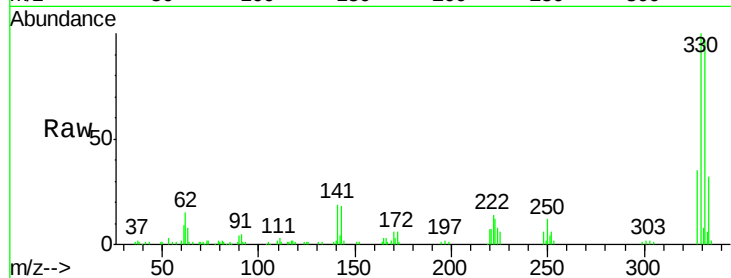




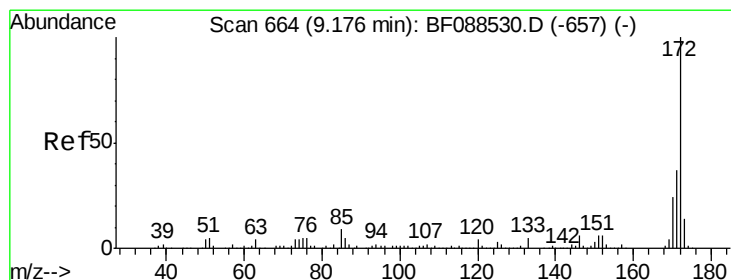
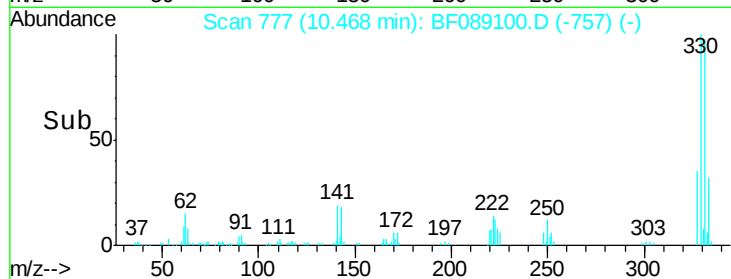
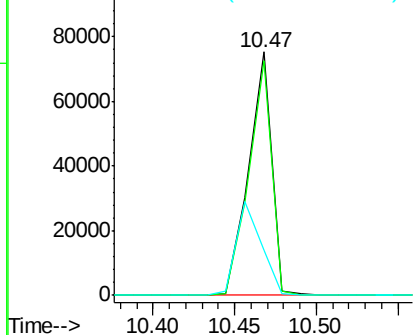
#41
 2,4,6-Tribromophenol
 Concen: 88.23 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.07 min
 Lab File: BF089100.D
 Acq: 19 Jul 2016 00:11

Instrument :
 BNA_F
 ClientSampleId :
 H10-B4(0-6)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	41.9	0.0	0.0#

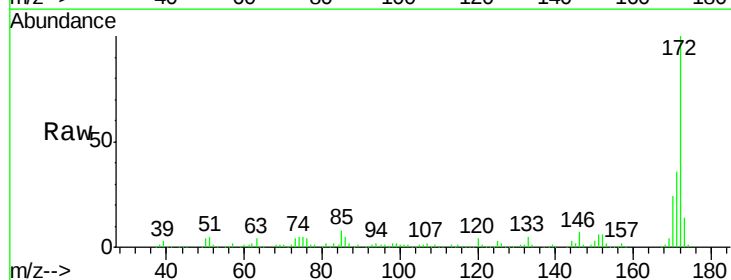


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

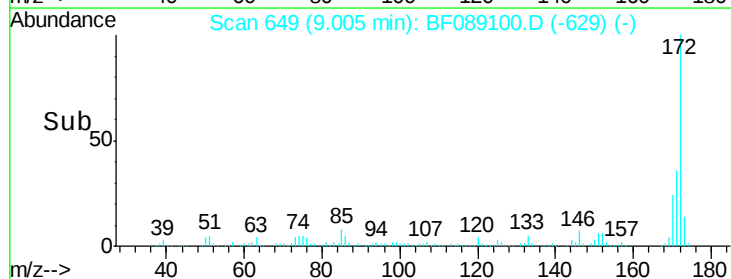
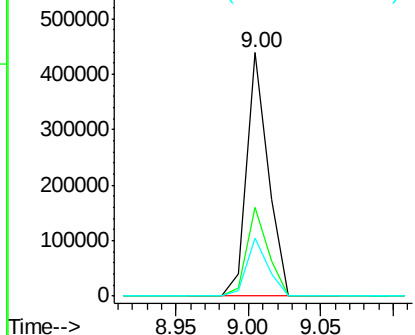


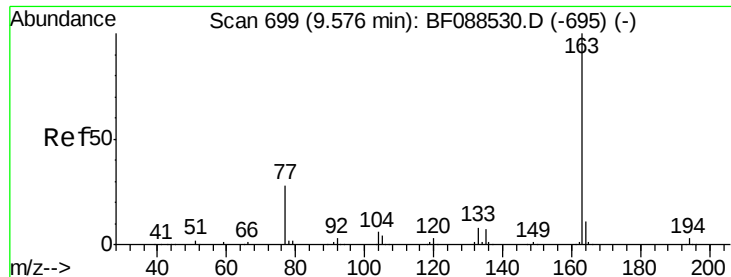
#44
 2-Fluorobiphenyl
 Concen: 78.69 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.07 min
 Lab File: BF089100.D
 Acq: 19 Jul 2016 00:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	23.9	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

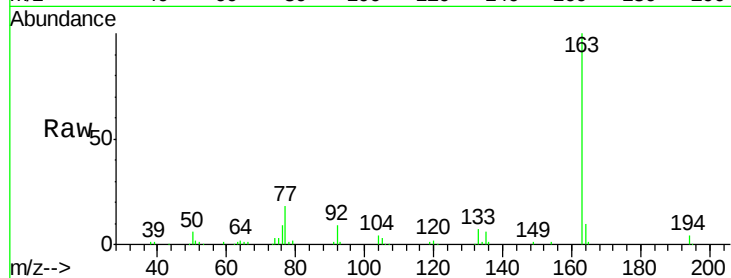




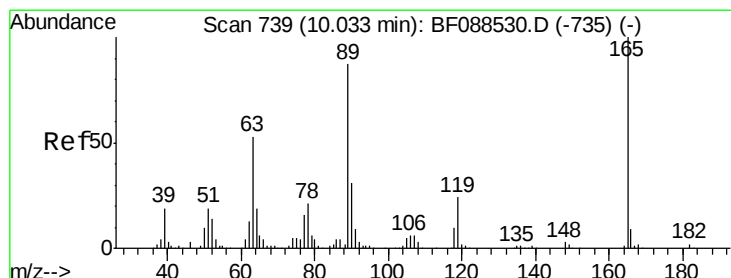
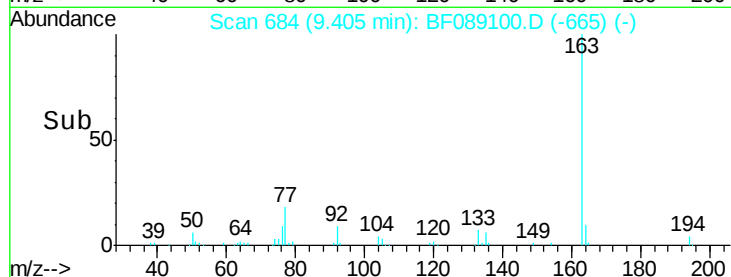
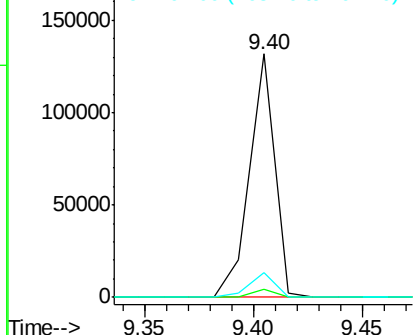
#49
Dimethylphthalate
Concen: 16.51 ng
RT: 9.40 min Scan# 684
Delta R.T. -0.08 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

Instrument :
BNA_F
ClientSampleId :
H10-B4(0-6)C

Tgt Ion:163 Resp: 105921
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.9 8.3 12.5

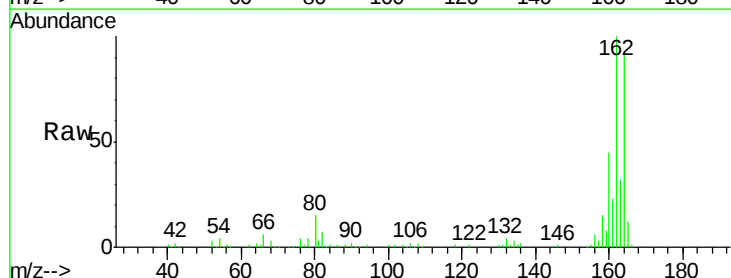


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

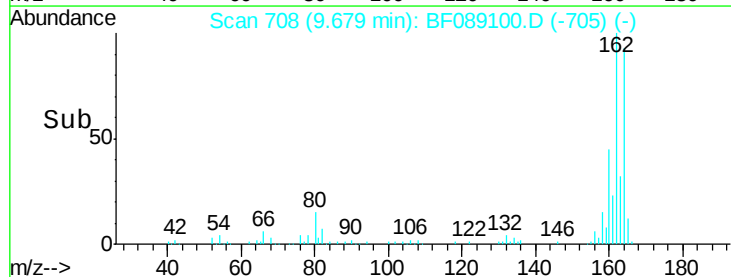
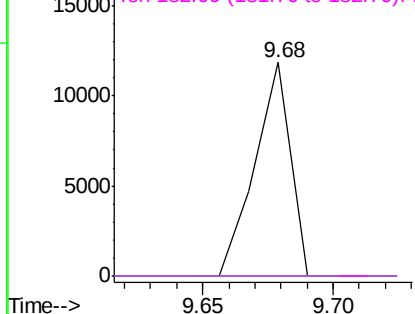


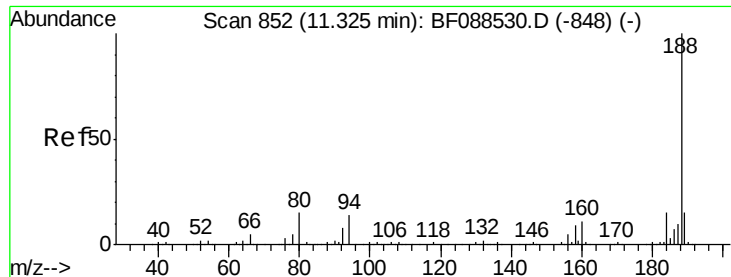
#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.68 min Scan# 708
Delta R.T. -0.26 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

Tgt Ion:165 Resp: 11332
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

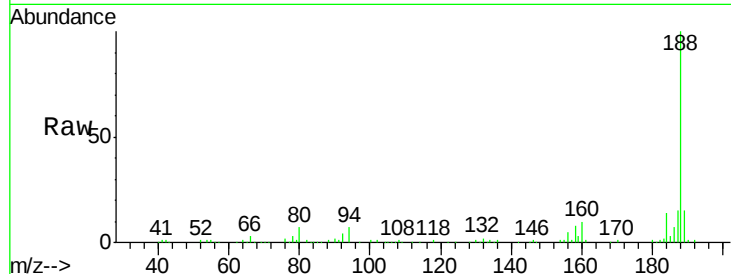




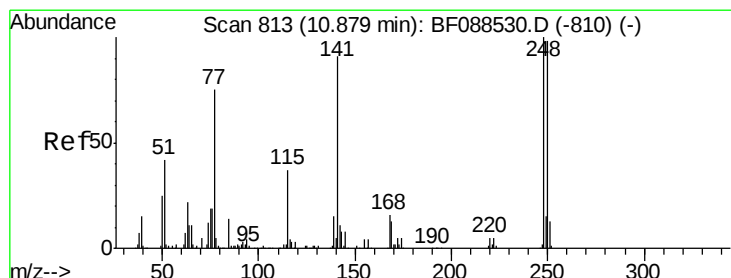
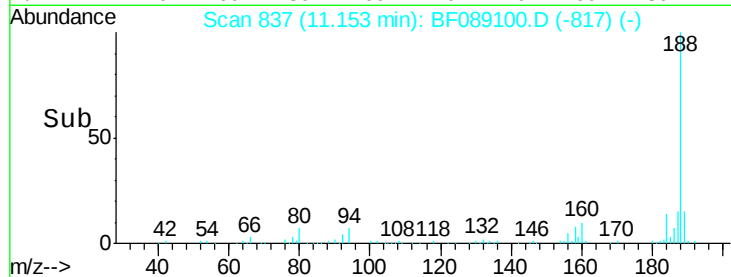
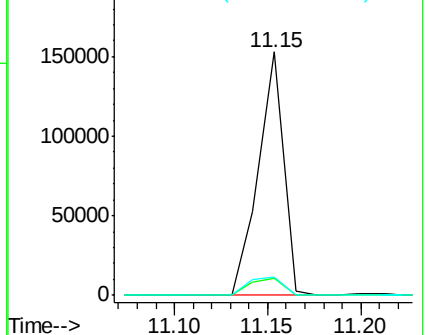
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.07 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

Instrument :
BNA_F
ClientSampleId :
H10-B4(0-6)C

Tgt Ion:188 Resp: 143214
Ion Ratio Lower Upper
188 100
94 7.1 9.0 13.6#
80 7.5 10.0 15.0#

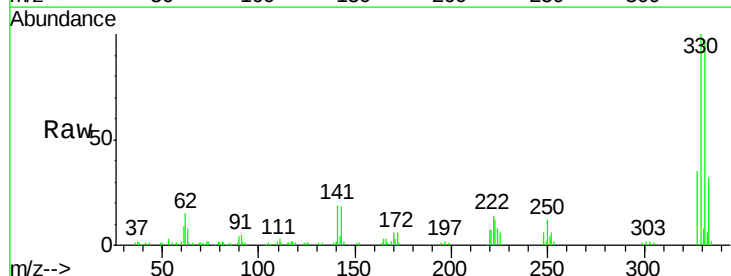


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

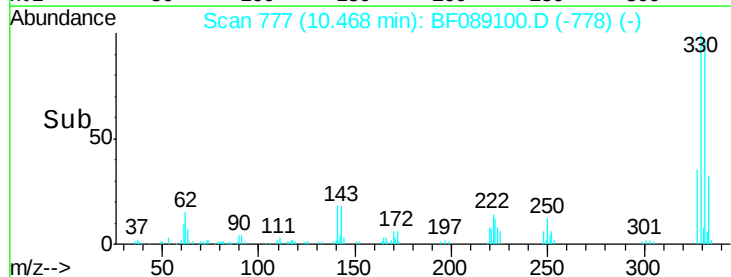
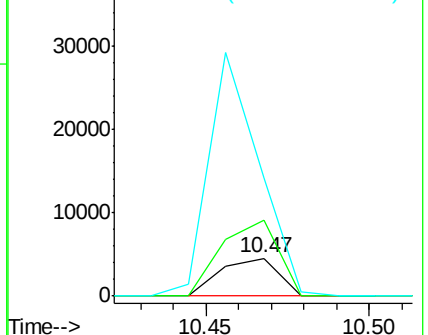


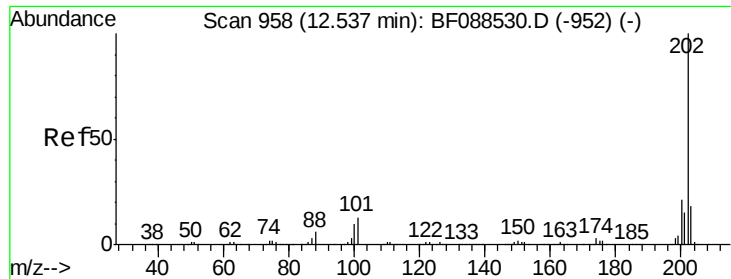
#66
4-Bromophenyl-phenylether
Concen: 3.87 ng
RT: 10.47 min Scan# 777
Delta R.T. -0.31 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

Tgt Ion:248 Resp: 5592
Ion Ratio Lower Upper
248 100
250 200.8 77.1 115.7#
141 310.8 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





#74

Fluoranthene

Concen: 2.64 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.07 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C

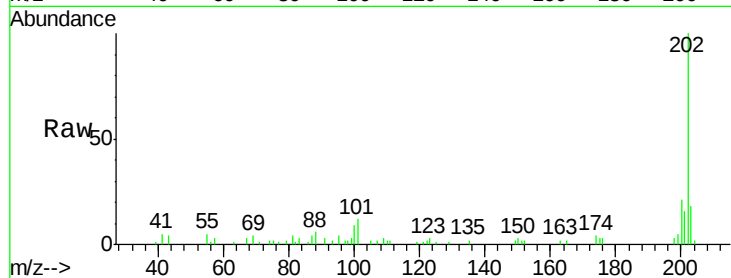
Tgt Ion:202 Resp: 20927

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.1

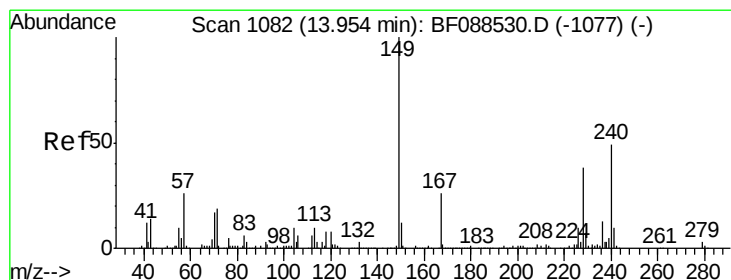
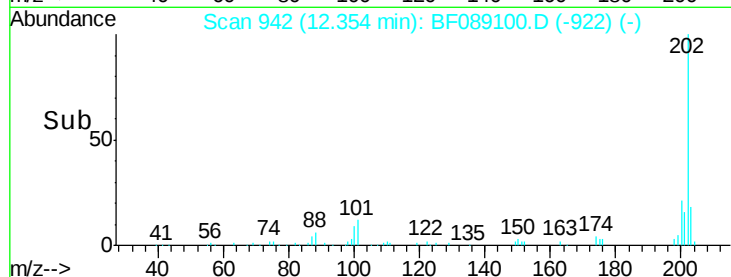
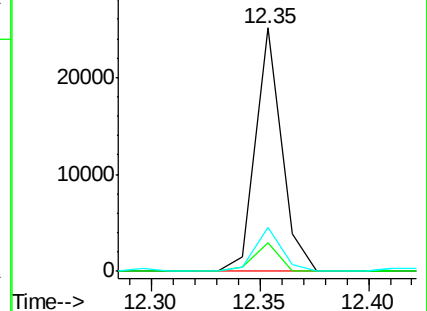
203 18.1 0.0 38.1



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: 13.77 min Scan# 1066

Delta R.T. -0.08 min

Lab File: BF089100.D

Acq: 19 Jul 2016 00:11

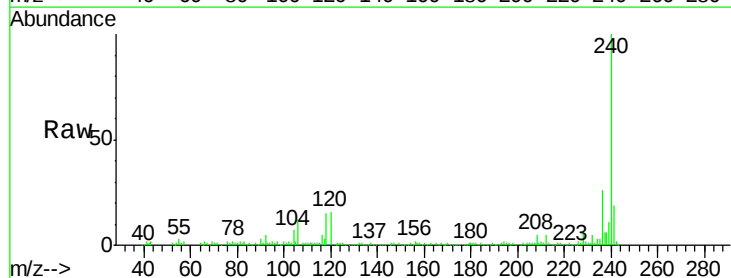
Tgt Ion:240 Resp: 102605

Ion Ratio Lower Upper

240 100

120 15.9 6.8 10.2#

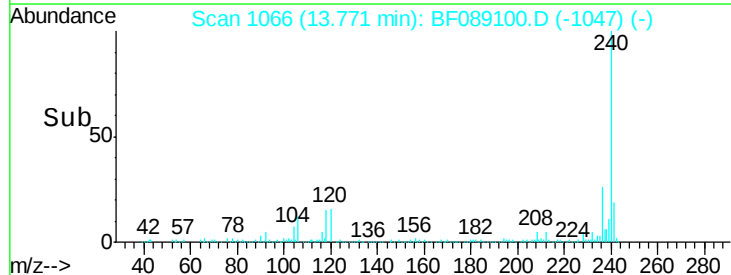
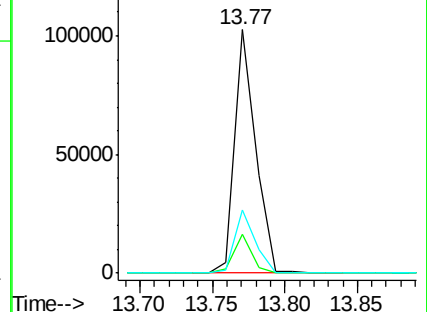
236 25.9 20.2 30.2

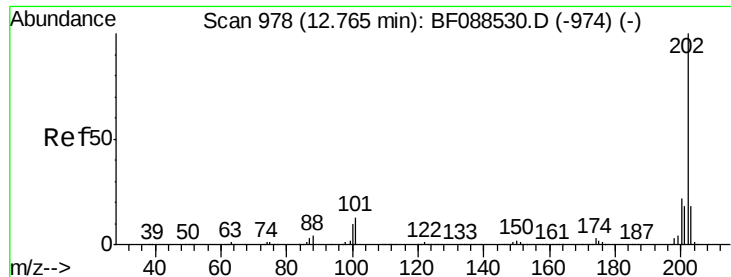


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

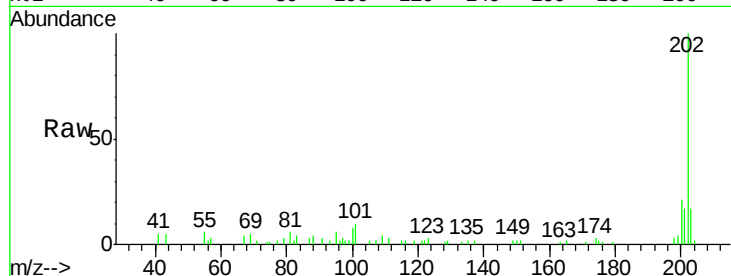




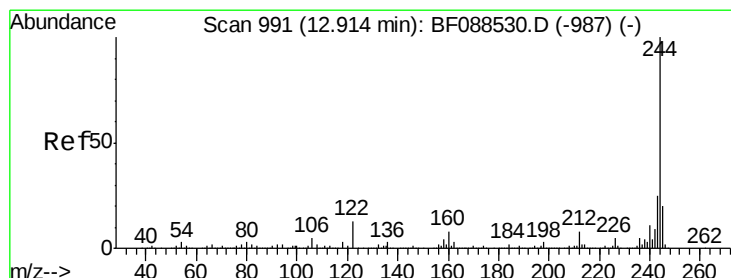
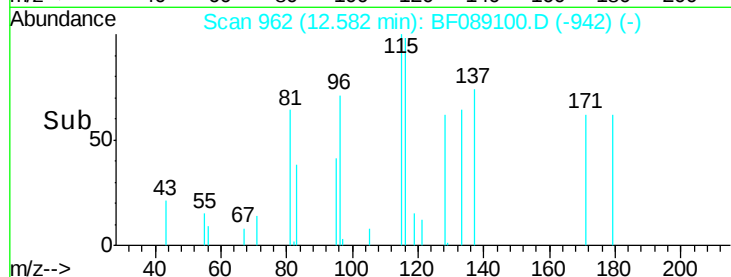
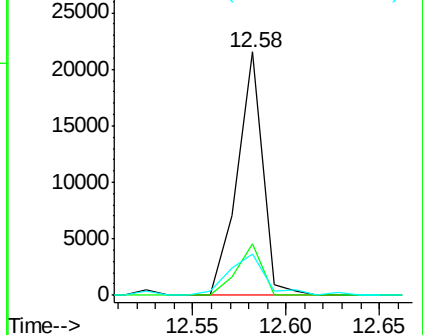
#77
 Pyrene
 Concen: 2.36 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.07 min
 Lab File: BF089100.D
 Acq: 19 Jul 2016 00:11

Instrument :
 BNA_F
 ClientSampleId :
 H10-B4(0-6)C

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.0	14.5	21.7

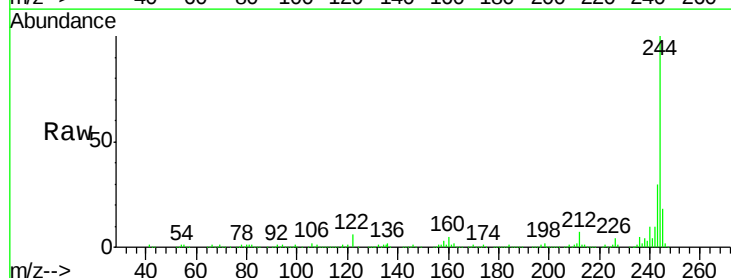


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

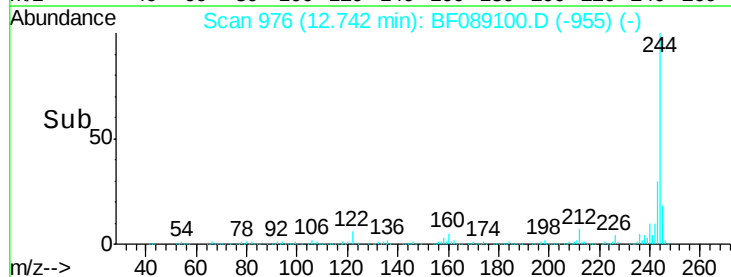
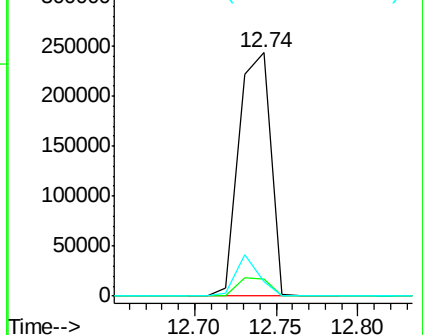


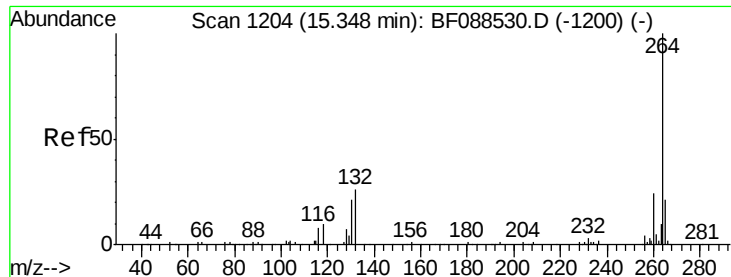
#78
 Terphenyl-d14
 Concen: 70.71 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.06 min
 Lab File: BF089100.D
 Acq: 19 Jul 2016 00:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	5.8	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

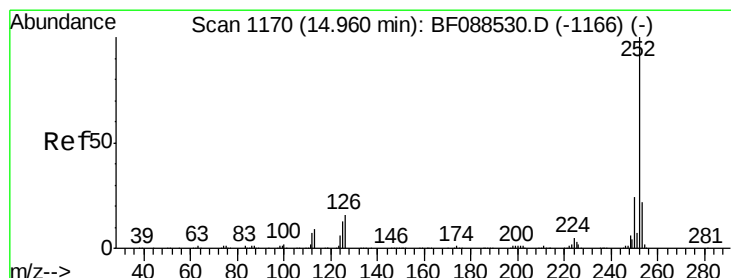
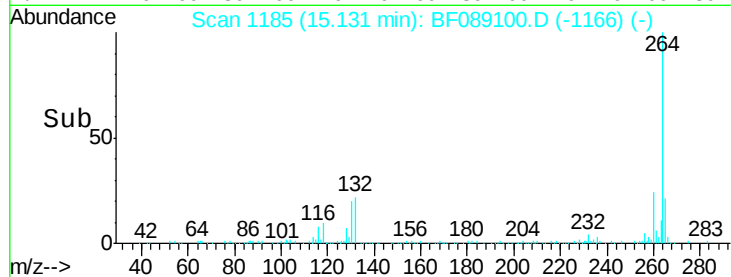
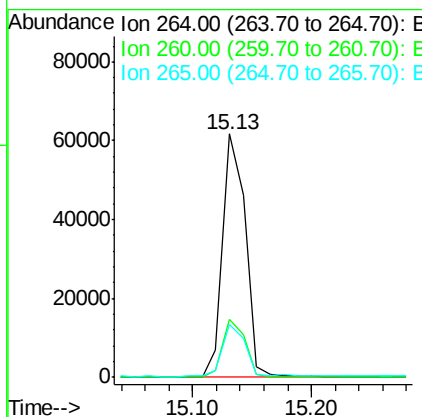
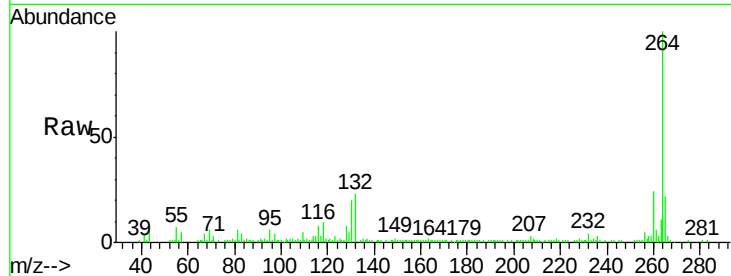




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

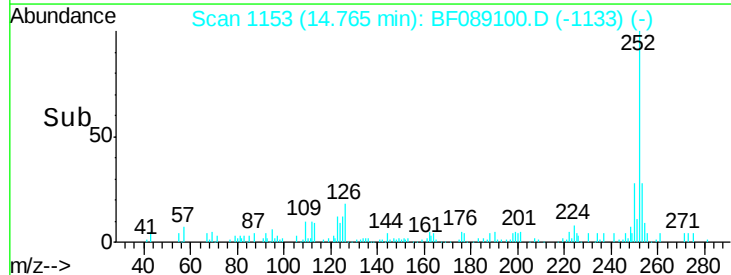
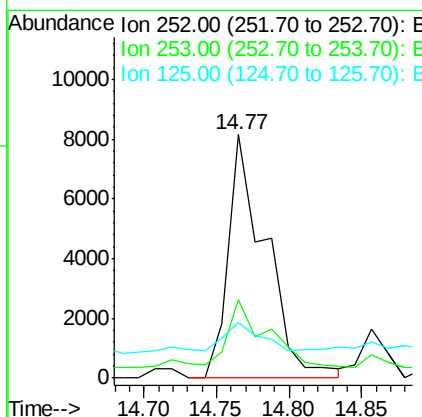
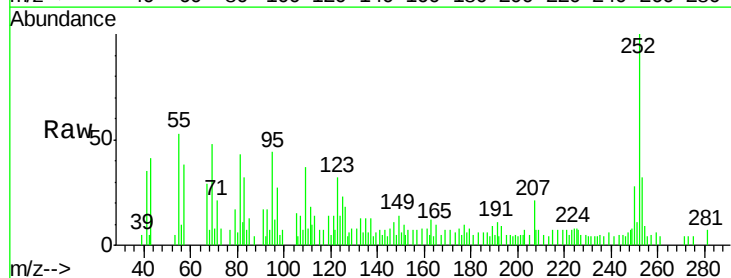
Instrument :
BNA_F
ClientSampleId :
H10-B4(0-6)C

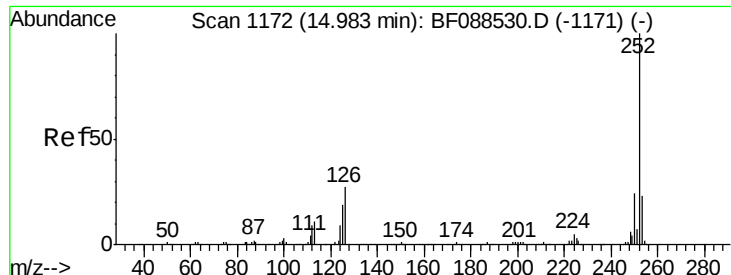
Tgt Ion: 264 Resp: 81835
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.84 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF089100.D
Acq: 19 Jul 2016 00:11

Tgt Ion: 252 Resp: 14599
Ion Ratio Lower Upper
252 100
253 32.1 17.4 26.2#
125 22.5 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.27 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.10 min

Lab File: BF089100.D

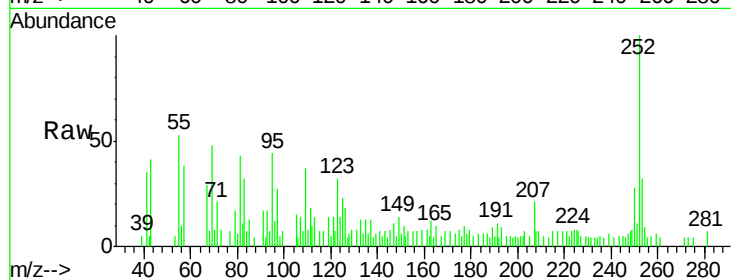
Acq: 19 Jul 2016 00:11

Instrument :

BNA_F

ClientSampleId :

H10-B4(0-6)C



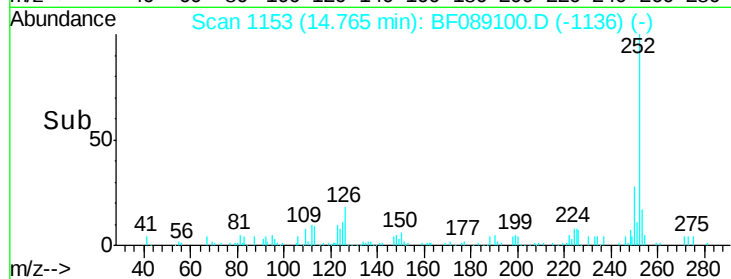
Tgt Ion: 252 Resp: 14599

Ion Ratio Lower Upper

252 100

253 32.1 18.0 27.0#

125 22.5 11.2 16.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

