

Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
 Data File : BF089361.D
 Acq On : 28 Jul 2016 12:13
 Operator : UM/SJ
 Sample : H4155-21
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-12

Quant Time: Jul 28 12:50:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.547	152	43714	20.00	ng	0.00
21) Naphthalene-d8	7.827	136	193138	20.00	ng	0.00
38) Acenaphthene-d10	9.565	164	90022	20.00	ng	-0.01
63) Phenanthrene-d10	11.039	188	185631	20.00	ng	-0.01
75) Chrysene-d12	13.668	240	137523	20.00	ng	0.00
86) Perylene-d12	15.005	264	106626	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.130	112	386813	141.29	ng	0.02
7) Phenol-d6	6.204	99	505287	139.66	ng	0.00
23) Nitrobenzene-d5	7.119	82	372360	113.80	ng	0.00
41) 2,4,6-Tribromophenol	10.365	330	131257	176.05	ng	0.00
44) 2-Fluorobiphenyl	8.913	172	653183	106.48	ng	0.00
78) Terphenyl-d14	12.628	244	607098	103.32	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	1.838	88	2365	Below Cal	#	26
4) n-Nitrosodimethylamine	2.490	42	222	7.90 ng	#	1
6) Aniline	6.319	93	599	0.15 ng	#	1
9) Benzaldehyde	6.319	77	10502	5.94 ng		84
10) Phenol	6.319	94	833	0.21 ng	#	1
11) bis(2-Chloroethyl)ether	6.319	93	599	0.18 ng	#	1
15) Benzyl Alcohol	6.696	79	5400	2.40 ng	#	52
19) n-Nitroso-di-n-propyla...	7.119	70	48058	22.03 ng	#	78
24) Nitrobenzene	7.119	77	929	0.25 ng	#	38
25) Isophorone	7.119	82	279969	42.48 ng	#	67
31) Naphthalene	7.850	128	12477	1.30 ng		100
33) 4-Chloroaniline	7.850	127	1010	0.28 ng	#	35
37) 2-Methylnaphthalene	8.548	142	1205	0.21 ng	#	85
45) 1,1'-Biphenyl	8.902	154	1088	0.14 ng	#	1
47) 2-Nitroaniline	8.902	65	898	0.53 ng	#	1
48) Acenaphthylene	9.599	152	860	0.09 ng	#	1
50) 2,6-Dinitrotoluene	9.565	165	10778	7.66 ng	#	24
51) Acenaphthene	9.599	154	1740	0.33 ng		94
54) Dibenzofuran	9.793	168	723	0.10 ng	#	41
56) 2,4-Dinitrotoluene	9.565	165	10778	5.82 ng	#	7
57) Fluorene	10.125	166	812	0.13 ng	#	79
59) Diethylphthalate	10.011	149	835	0.12 ng	#	62
62) Azobenzene	10.353	77	443	0.06 ng	#	1
65) n-Nitrosodiphenylamine	10.353	169	4607	0.80 ng	#	38
66) 4-Bromophenyl-phenylether	10.365	248	8990	5.07 ng	#	1
70) Phenanthrene	11.073	178	1995	0.21 ng	#	82
71) Anthracene	11.073	178	1995	0.19 ng	#	80
73) Di-n-butylphthalate	11.622	149	1028	0.09 ng	#	78
76) Benzidine	12.628	184	8945	1.76 ng		99
77) Pyrene	12.628	202	2209	0.21 ng	#	72
83) Bis(2-ethylhexyl)phtha...	13.668	149	284	0.04 ng	#	55

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Response via : Initial Calibration

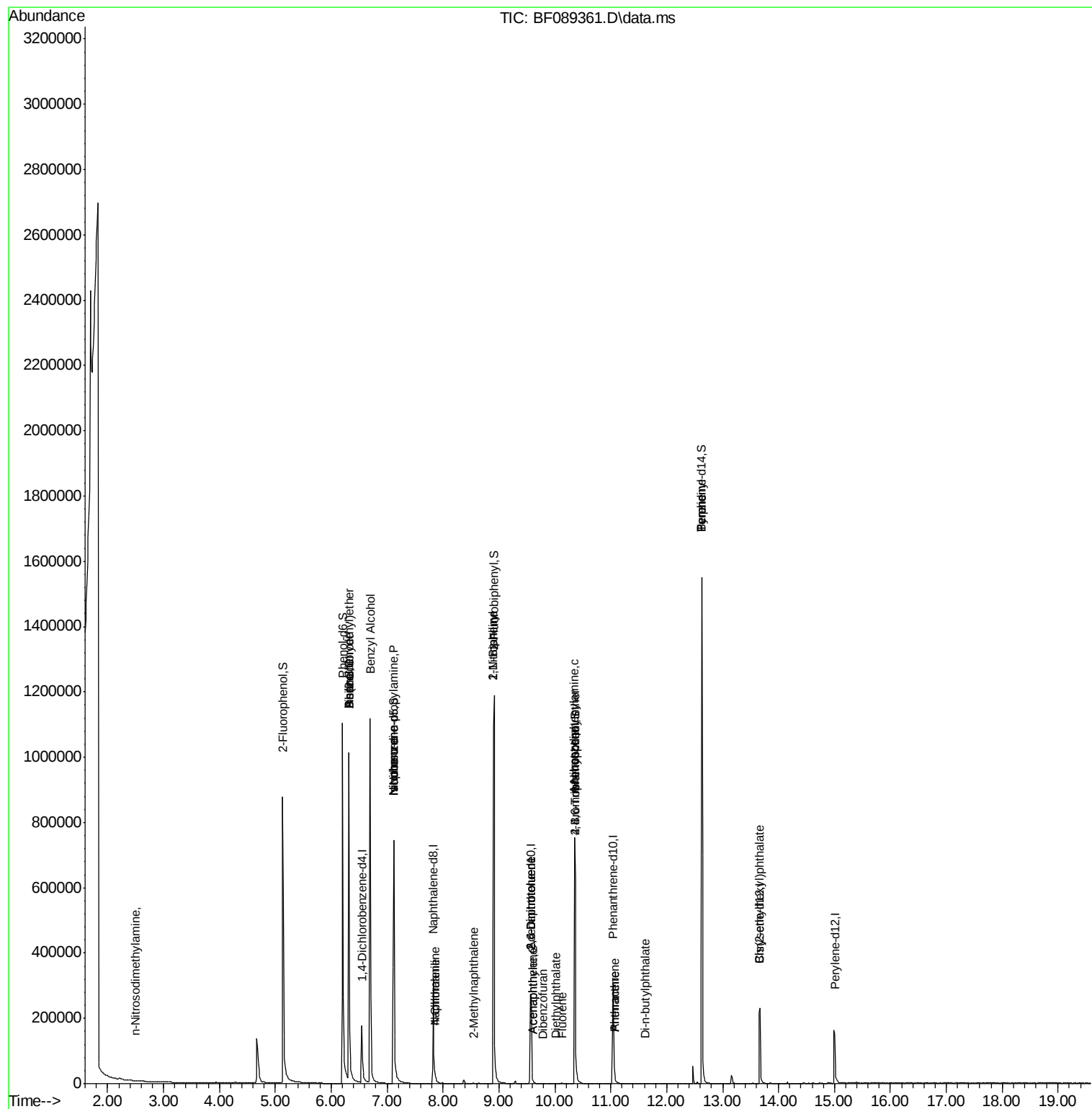
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

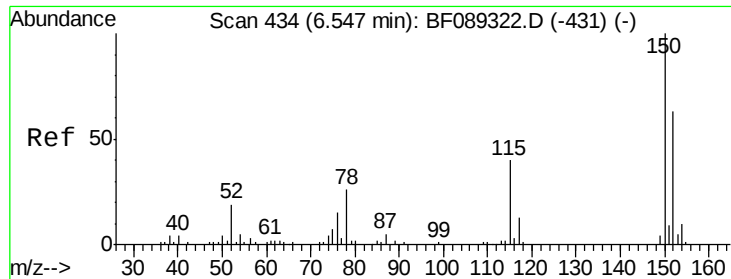
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.547 min Scan# 43

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

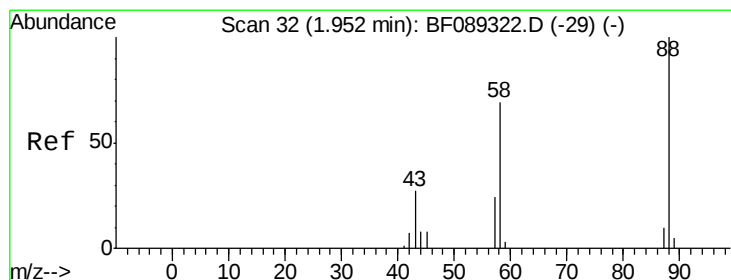
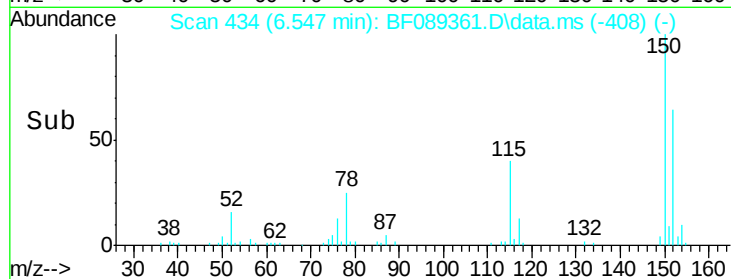
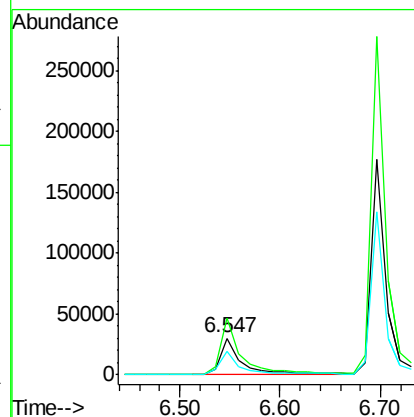
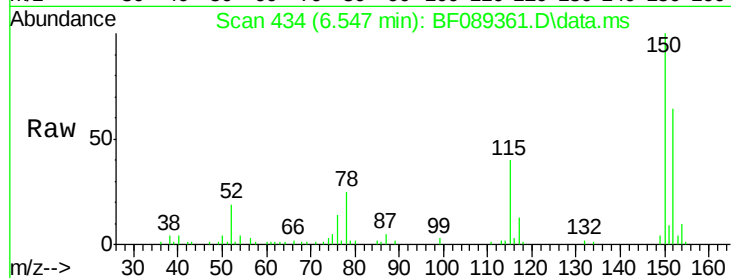
Tot Ion:152 Resp: 43714

Ion Ratio Lower Upper

152 100

150 155.4 129.5 194.3

115 62.0 51.4 77.2



#2

1,4-Dioxane

Concen: Below Cal

RT: 1.838 min Scan# 22

Delta R.T. -0.114 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

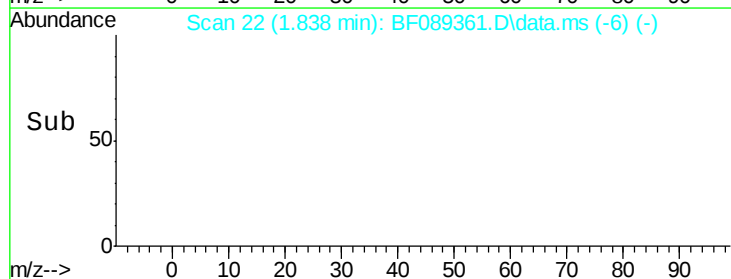
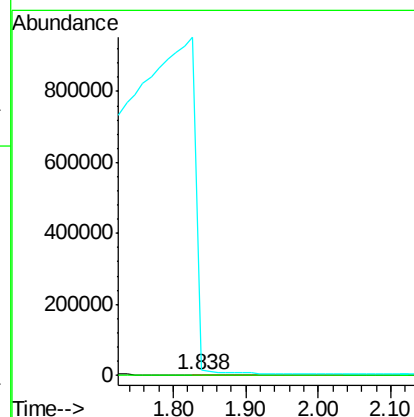
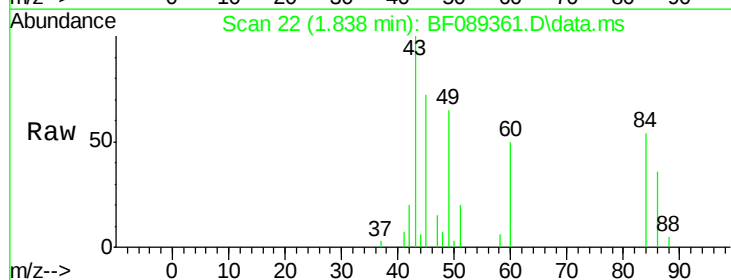
Tgt Ion: 88 Resp: 2365

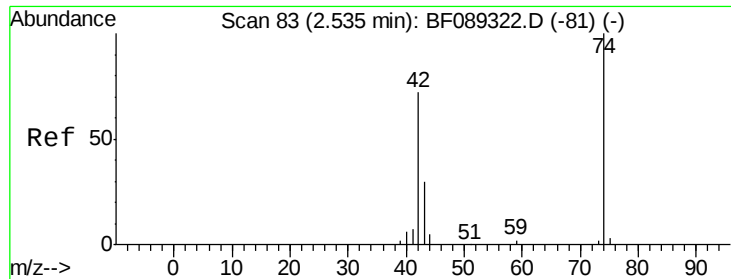
Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

43 0.0 20.6 31.0#





#4

n-Nitrosodimethylamine

Concen: 7.90 ng

RT: 2.490 min Scan# 79

Delta R.T. -0.045 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

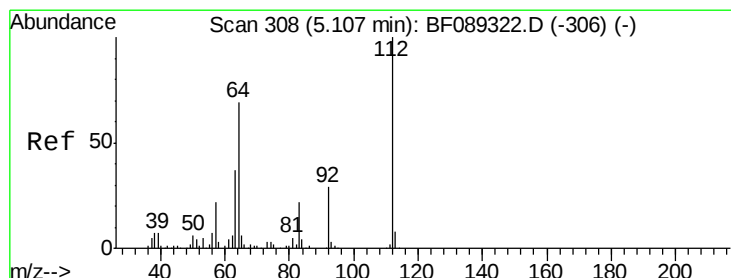
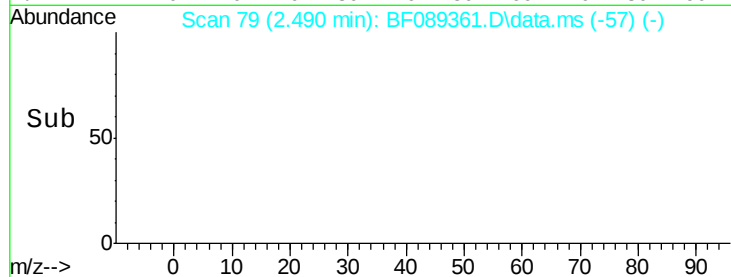
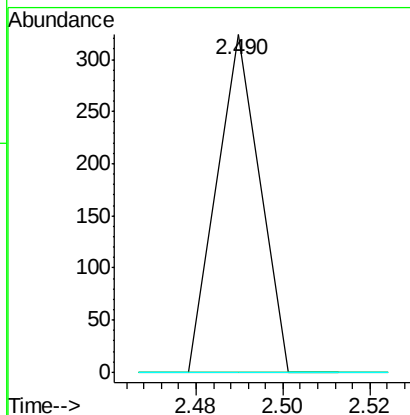
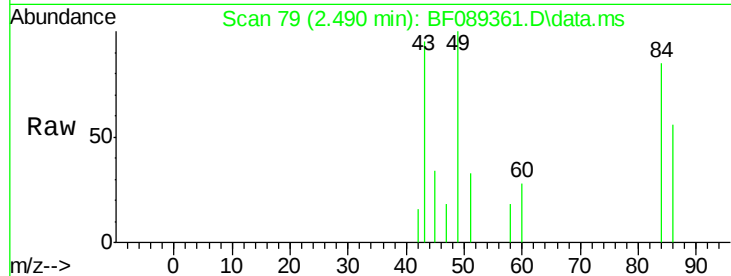
Tot Ion: 42 Resp: 222

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



#5

2-Fluorophenol

Concen: 141.29 ng

RT: 5.130 min Scan# 310

Delta R.T. 0.023 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

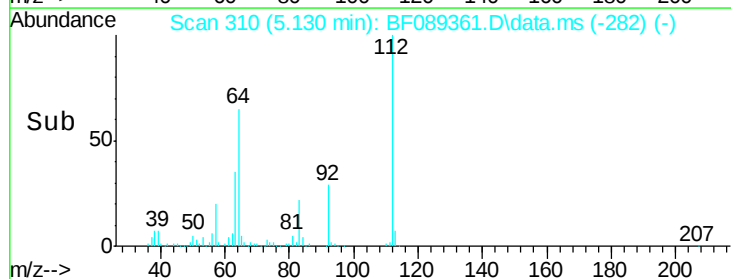
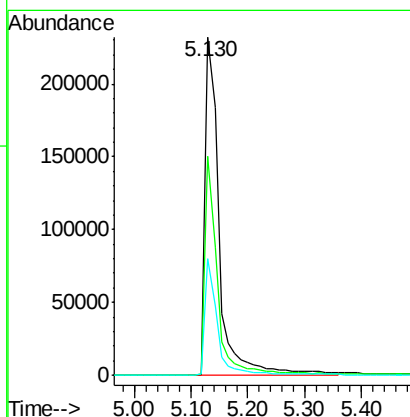
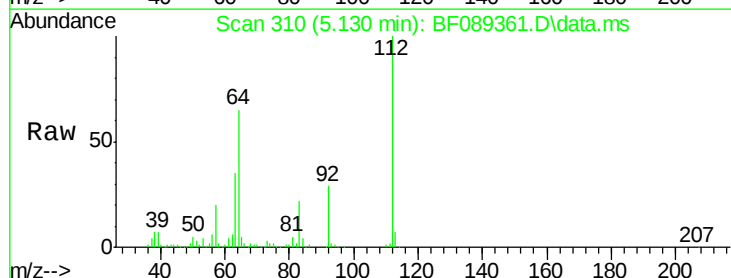
Tgt Ion: 112 Resp: 386813

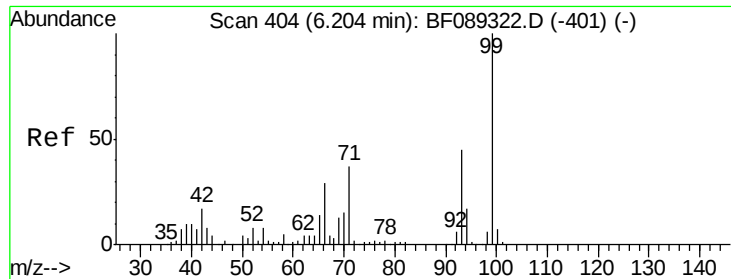
Ion Ratio Lower Upper

112 100

64 64.8 55.0 82.6

63 34.7 29.4 44.2





#6

Aniline

Concen: 0.15 ng

RT: 6.319 min Scan# 41

Delta R.T. 0.114 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

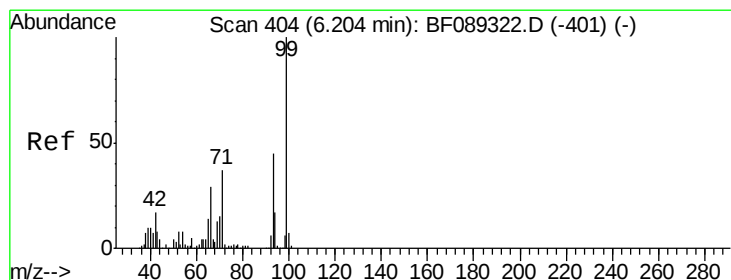
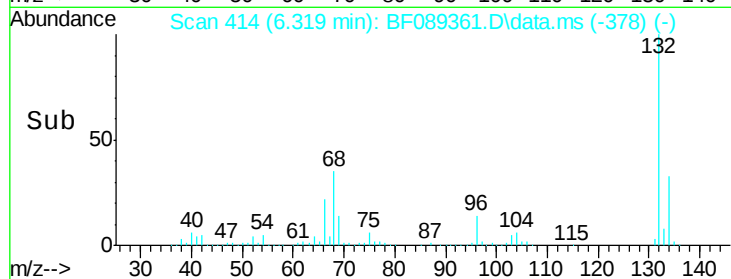
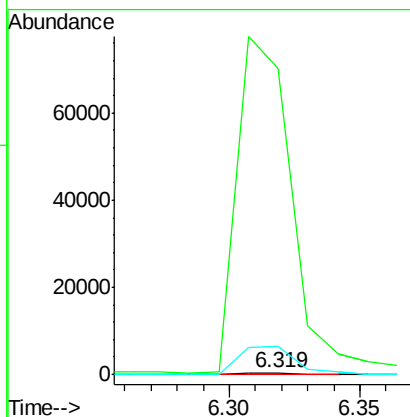
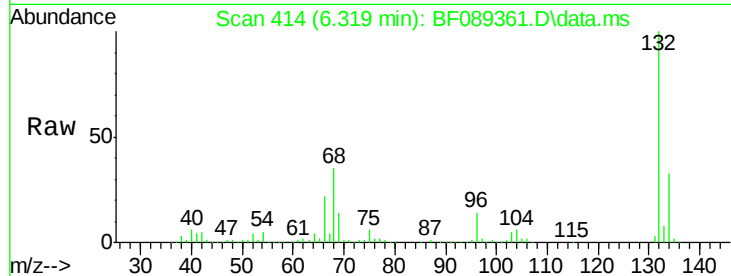
Tot Ion: 93 Resp: 599

Ion Ratio Lower Upper

93 100

66 15310.0 51.6 77.4#

65 1448.5 24.7 37.1#



#7

Phenol-d6

Concen: 139.66 ng

RT: 6.204 min Scan# 404

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

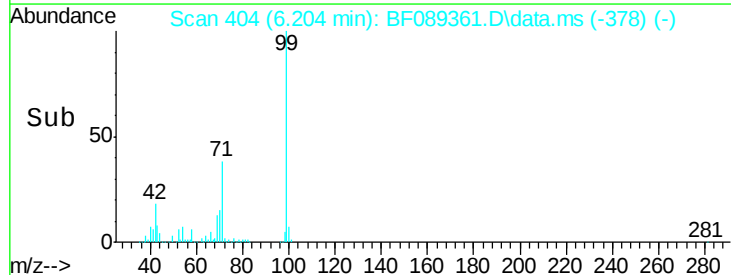
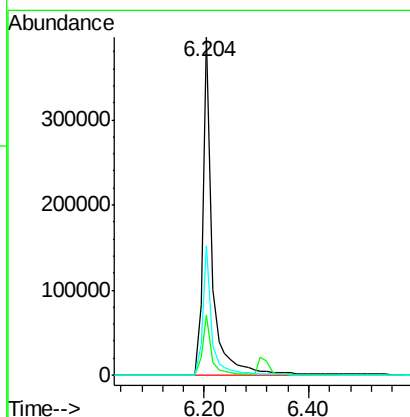
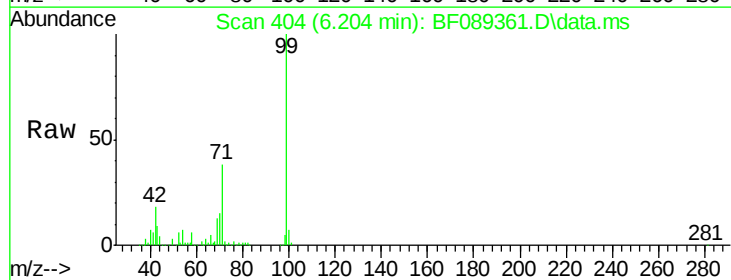
Tgt Ion: 99 Resp: 505287

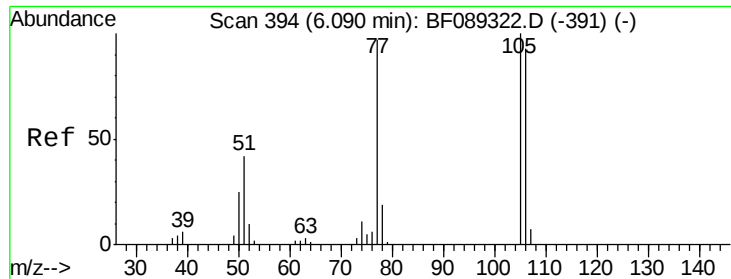
Ion Ratio Lower Upper

99 100

42 17.9 13.6 20.4

71 38.2 29.4 44.2





#9

Benzaldehyde

Concen: 5.94 ng

RT: 6.319 min Scan# 41

Delta R.T. 0.229 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

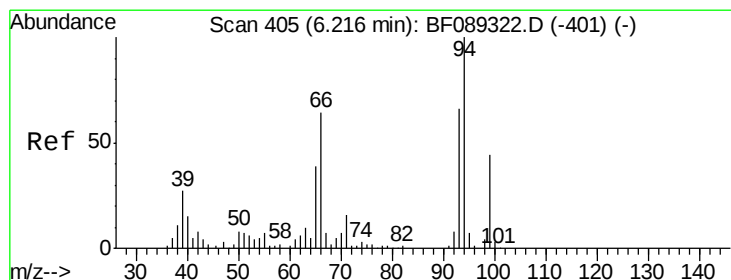
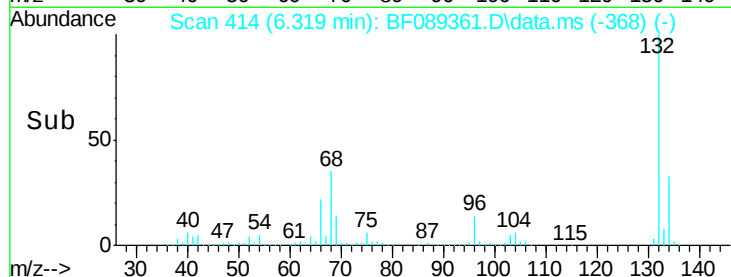
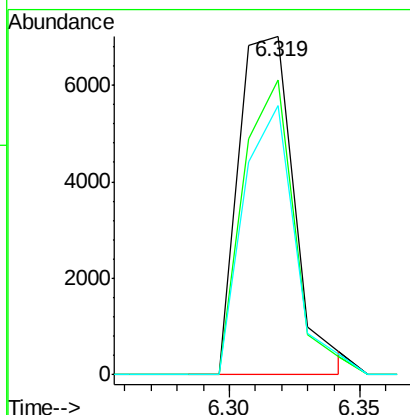
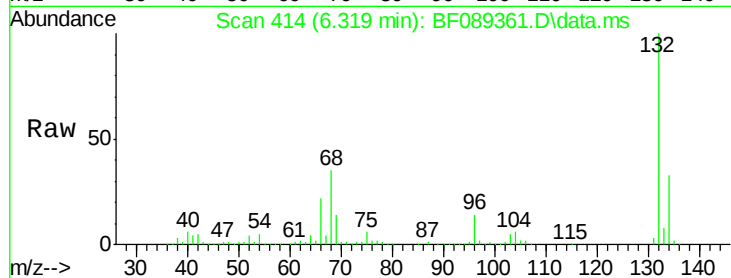
Tot Ion: 77 Resp: 10502

Ion Ratio Lower Upper

77 100

105 87.2 82.9 122.9

106 79.6 75.9 115.9



#10

Phenol

Concen: 0.21 ng

RT: 6.319 min Scan# 414

Delta R.T. 0.103 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

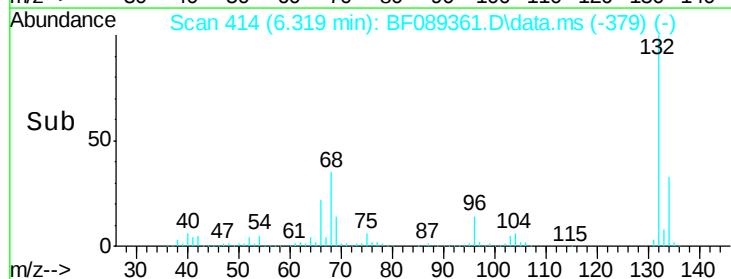
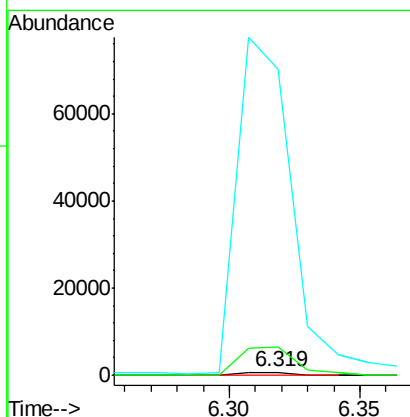
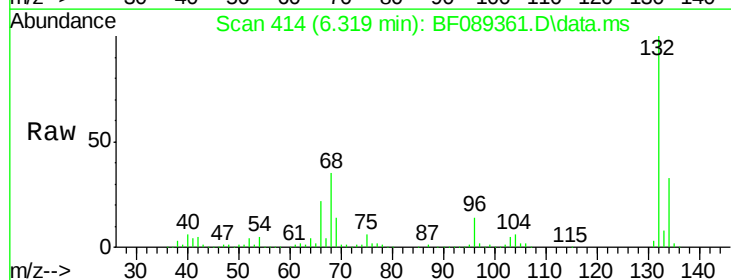
Tgt Ion: 94 Resp: 833

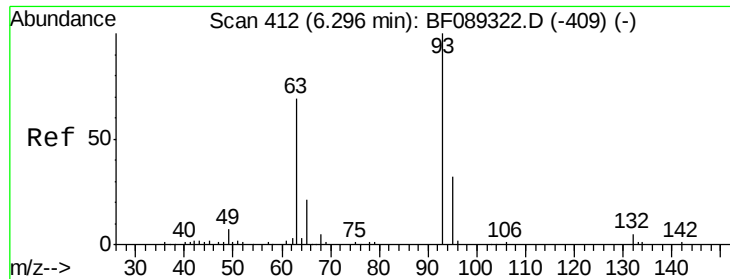
Ion Ratio Lower Upper

94 100

65 922.7 19.1 59.1#

66 9752.4 44.4 84.4#

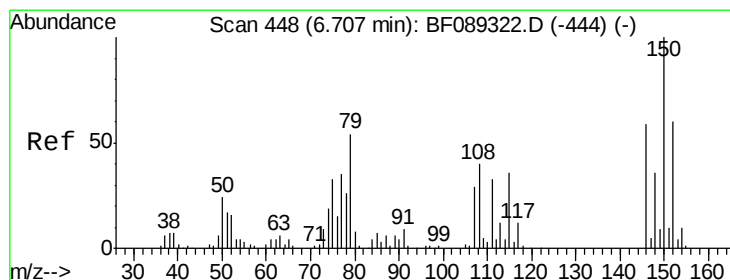
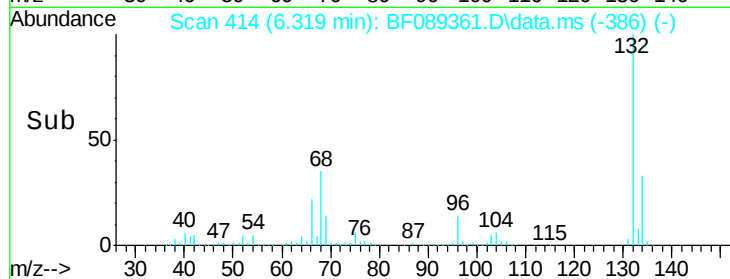
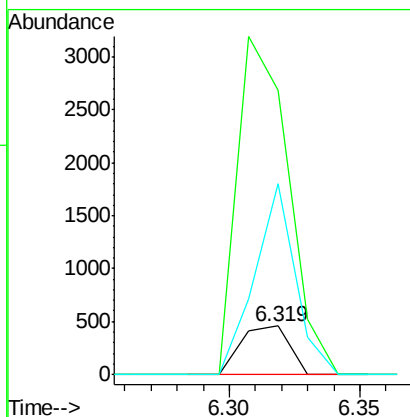
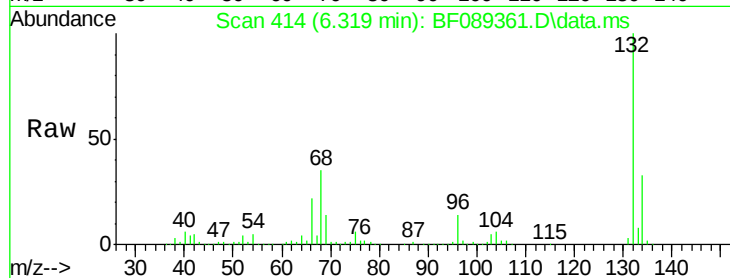




#11
bis(2-Chloroethyl)ether
Concen: 0.18 ng
RT: 6.319 min Scan# 41
Delta R.T. 0.023 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

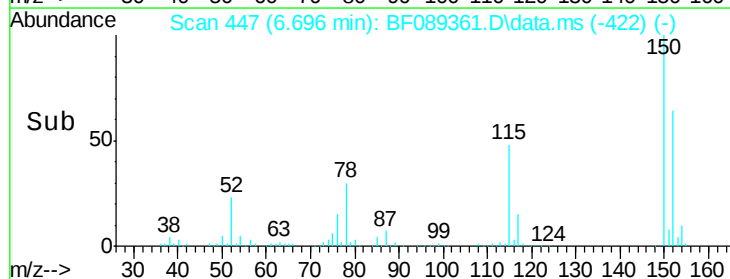
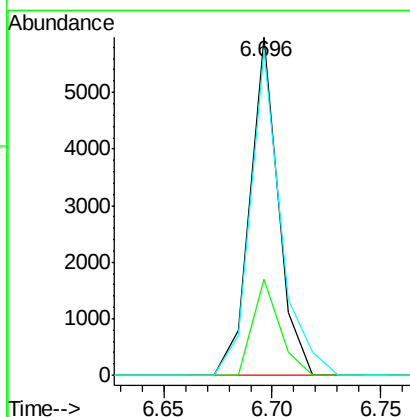
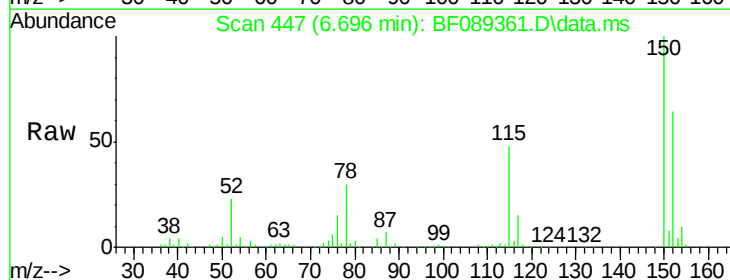
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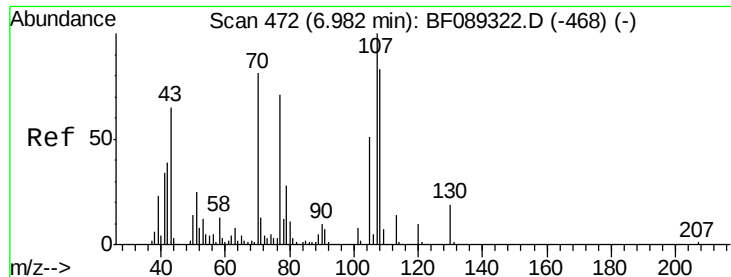
Tot Ion: 93 Resp: 599
Ion Ratio Lower Upper
93 100
63 587.1 45.6 85.6#
95 394.5 11.1 51.1#



#15
Benzyl Alcohol
Concen: 2.40 ng
RT: 6.696 min Scan# 447
Delta R.T. -0.011 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

Tgt Ion: 79 Resp: 5400
Ion Ratio Lower Upper
79 100
108 28.4 59.8 89.6#
77 96.3 51.7 77.5#

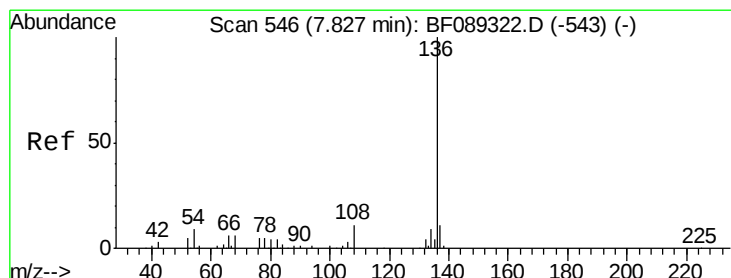
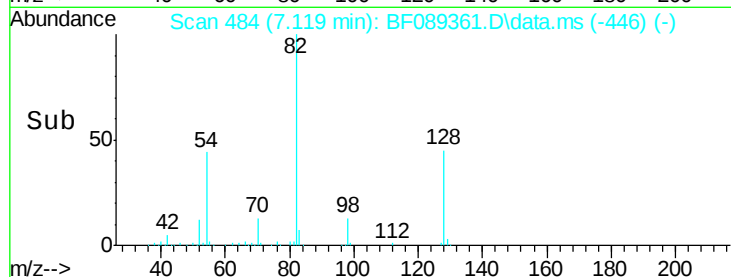
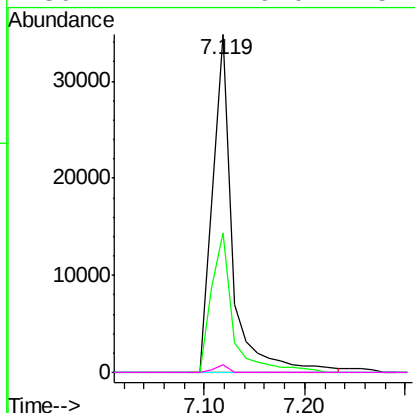
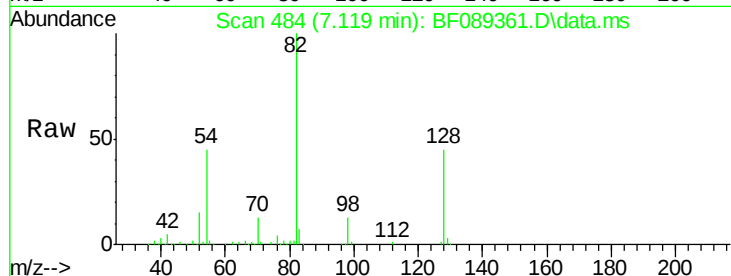




#19
n-Nitroso-di-n-propylamine
Concen: 22.03 ng
RT: 7.119 min Scan# 48
Delta R.T. 0.137 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

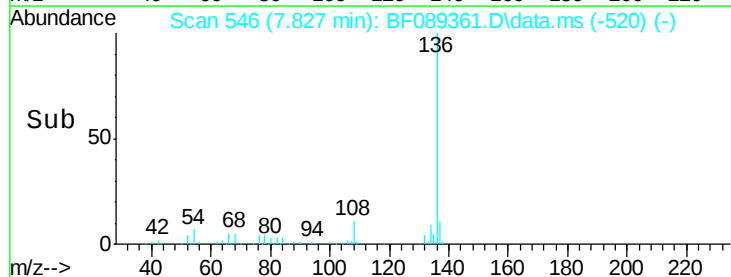
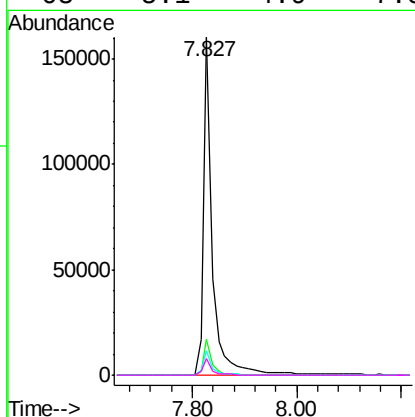
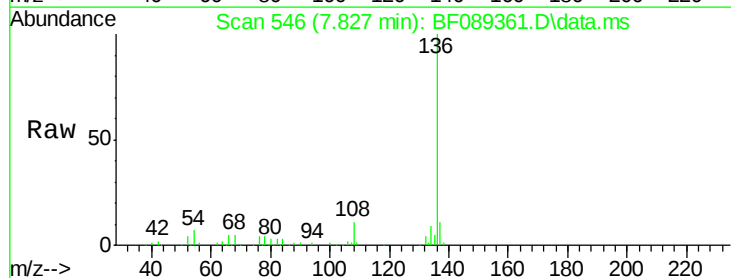
Instrument :
BNA_F
ClientSampleId :
I-12

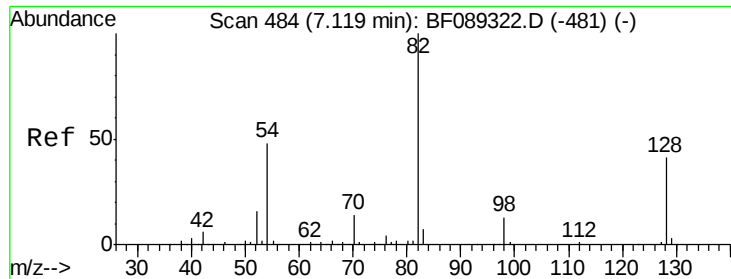
Tot Ion: 70 Resp: 48058
Ion Ratio Lower Upper
70 100
42 41.5 38.6 57.8
101 0.0 8.3 12.5#
130 2.4 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.827 min Scan# 546
Delta R.T. 0.000 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

Tgt Ion: 136 Resp: 193138
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.1 7.0 10.4
68 5.1 4.9 7.3

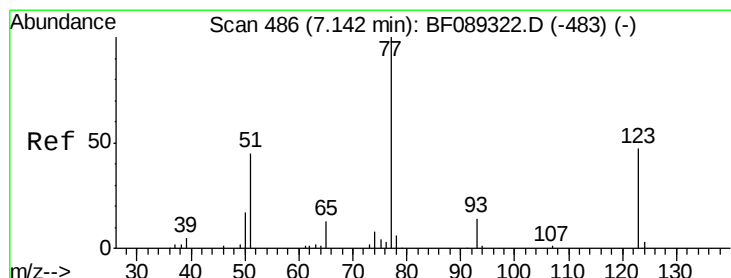
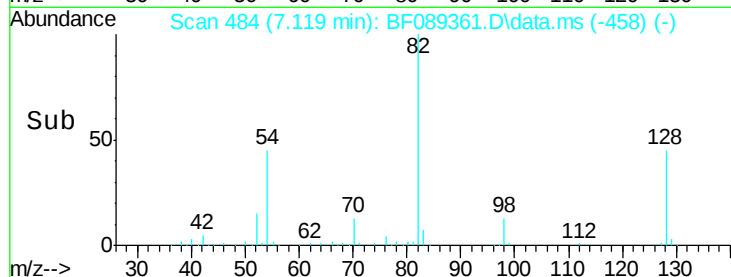
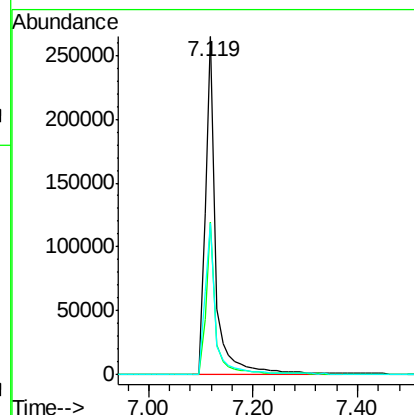
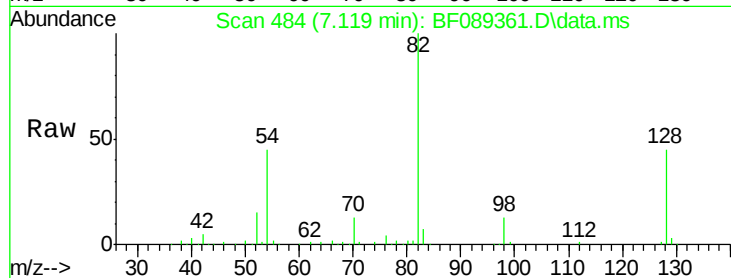




#23
 Nitrobenzene-d5
 Concen: 113.80 ng
 RT: 7.119 min Scan# 481
 Delta R.T. 0.000 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

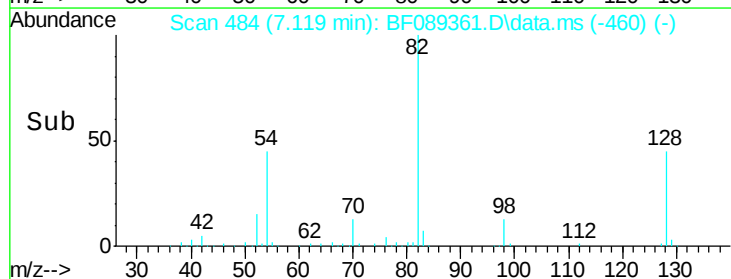
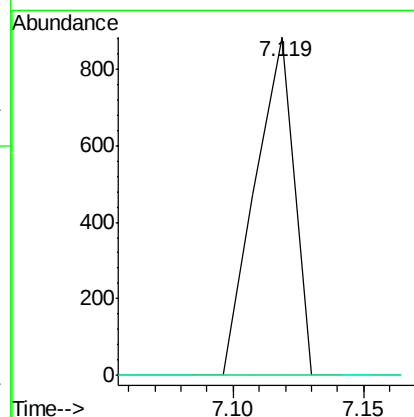
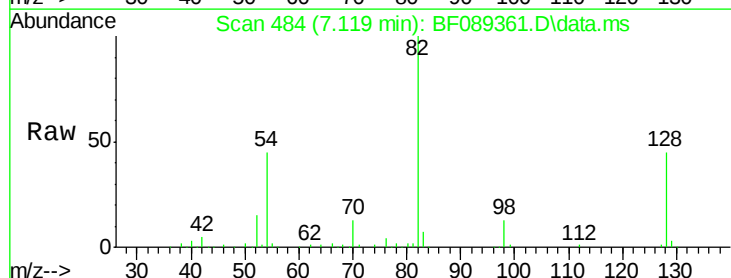
Instrument :
 BNA_F
 ClientSampleId :
 I-12

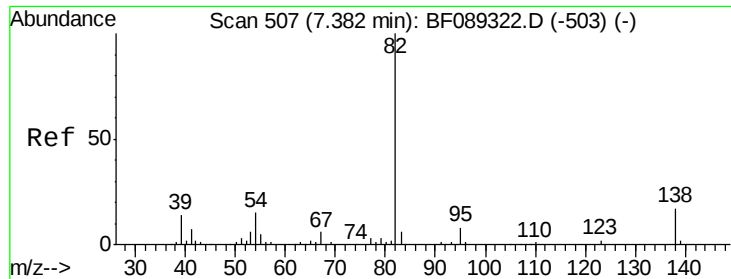
Tot Ion	82	Resp	372360
Ion Ratio	100	Lower	Upper
128	45.1	32.5	48.7
54	44.7	38.8	58.2



#24
 Nitrobenzene
 Concen: 0.25 ng
 RT: 7.119 min Scan# 484
 Delta R.T. -0.023 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

Tgt Ion	77	Resp	929
Ion Ratio	100	Lower	Upper
123	0.0	37.2	55.8#
65	0.0	10.2	15.4#





#25

Isophorone

Concen: 42.48 ng

RT: 7.119 min Scan# 48

Delta R.T. -0.263 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

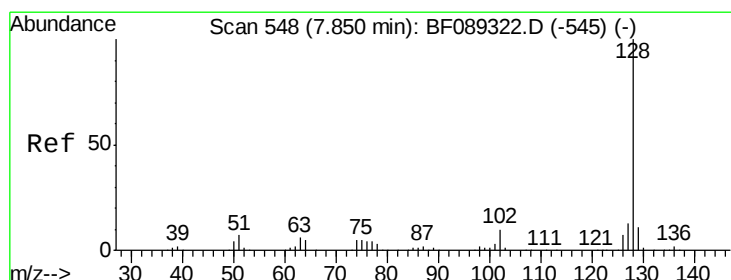
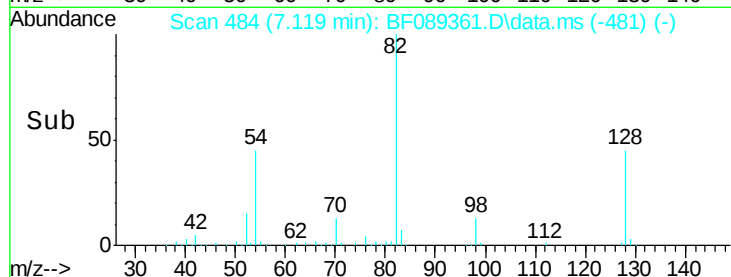
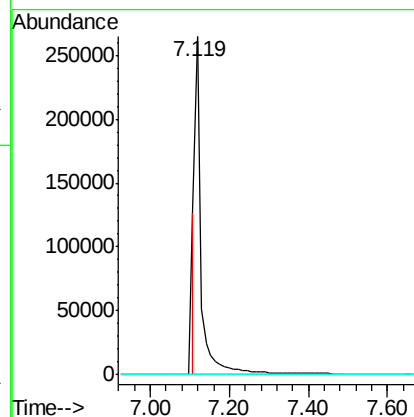
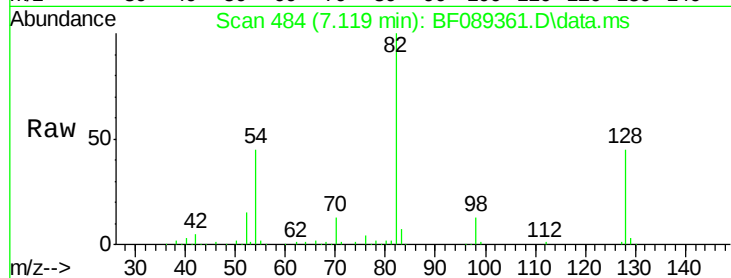
Tot Ion: 82 Resp: 279969

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



#31

Naphthalene

Concen: 1.30 ng

RT: 7.850 min Scan# 548

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

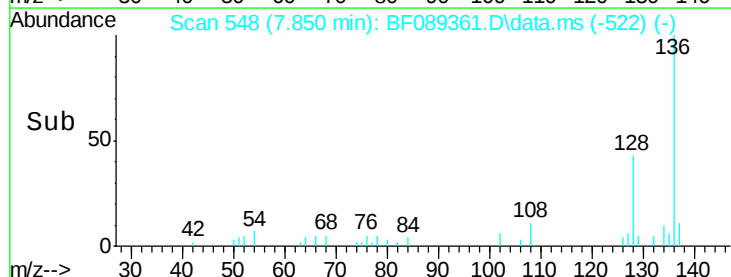
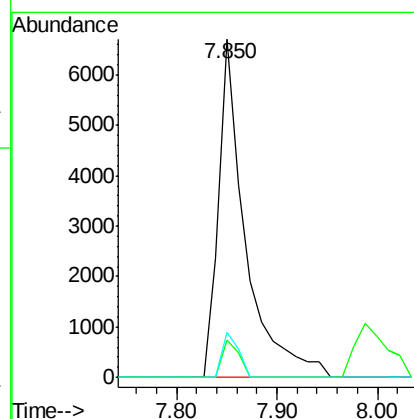
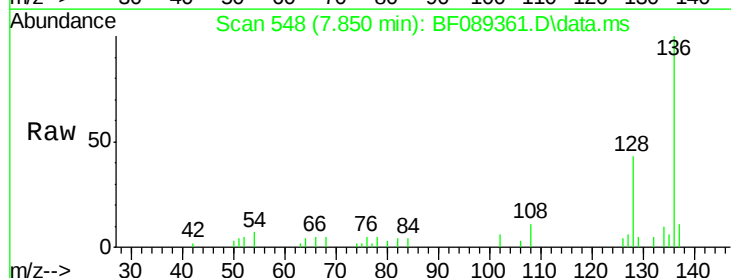
Tgt Ion: 128 Resp: 12477

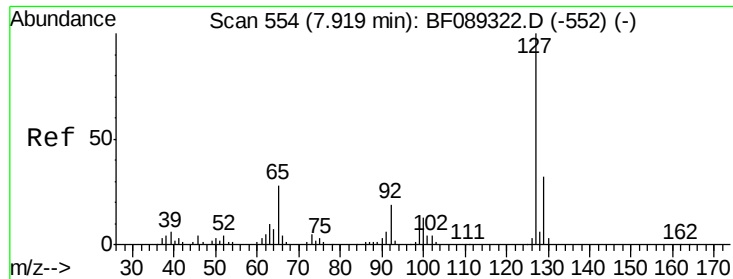
Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

127 13.4 10.8 16.2

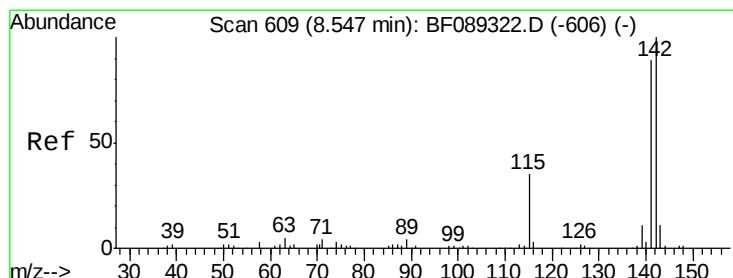
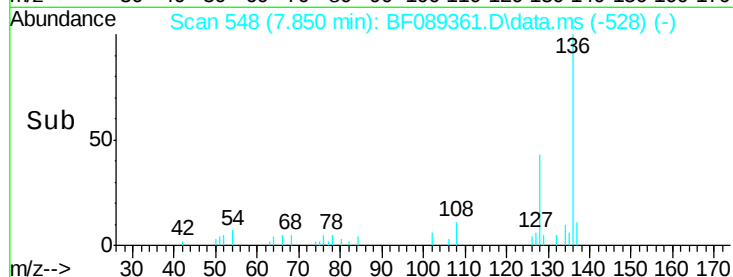
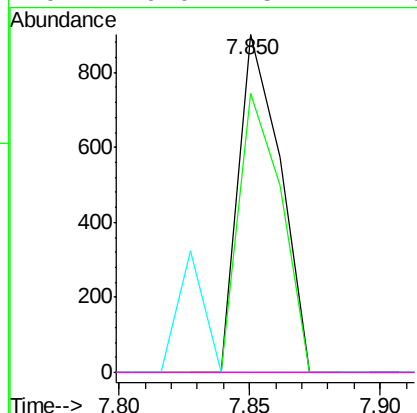
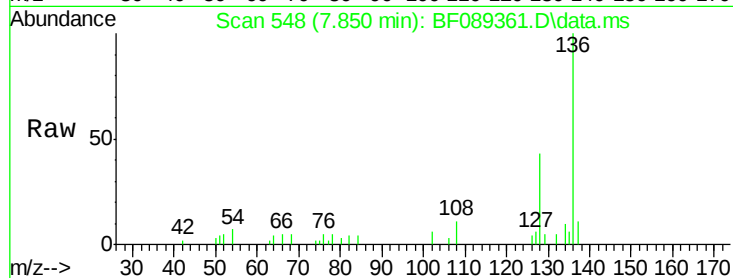




#33
4-Chloroaniline
Concen: 0.28 ng
RT: 7.850 min Scan# 54
Delta R.T. -0.069 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

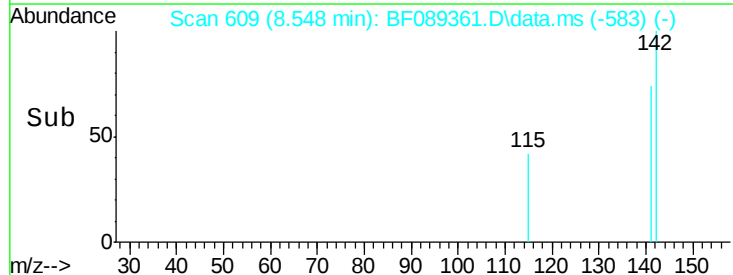
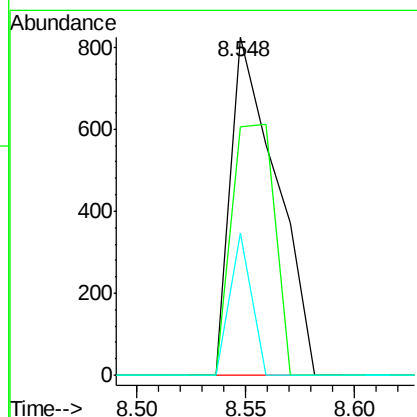
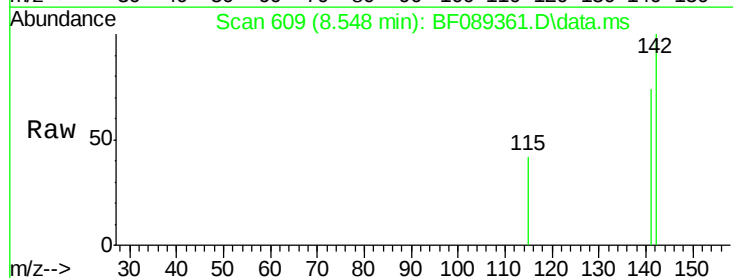
Instrument :
BNA_F
ClientSampleId :
I-12

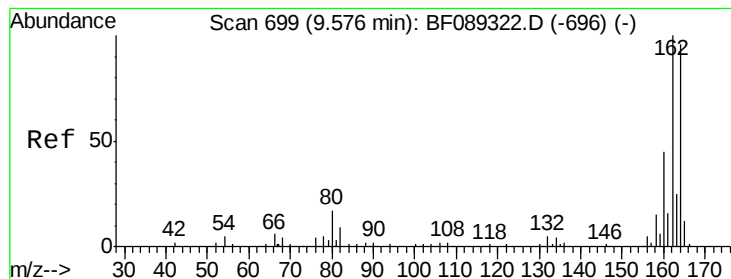
Tot Ion:	127	Resp:	1010
Ion Ratio	Lower	Upper	
127	100		
129	82.7	26.1	39.1#
65	0.0	22.0	33.0#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 0.21 ng
RT: 8.548 min Scan# 609
Delta R.T. 0.000 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

Tgt Ion:	142	Resp:	1205
Ion Ratio	Lower	Upper	
142	100		
141	73.5	70.9	106.3
115	42.1	27.6	41.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.565 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

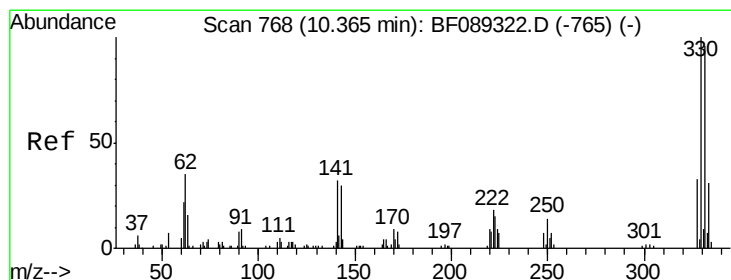
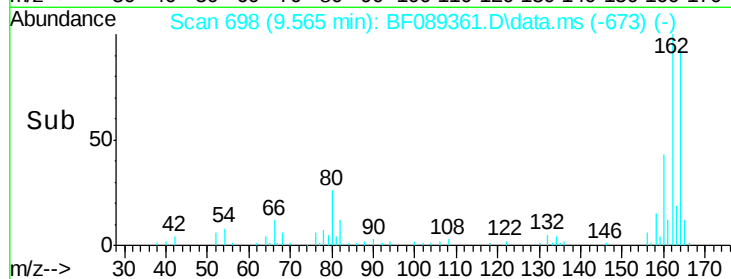
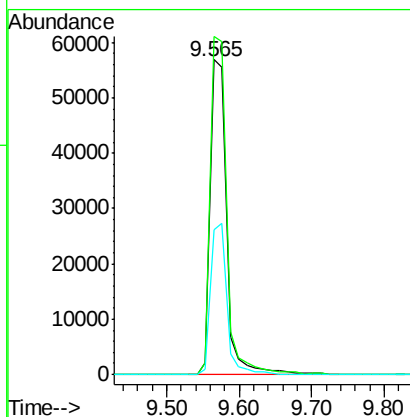
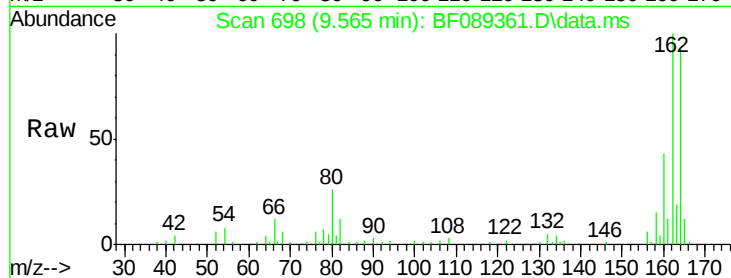
Tot Ion:164 Resp: 90022

Ion Ratio Lower Upper

164 100

162 107.3 83.7 125.5

160 45.9 37.8 56.6



#41

2,4,6-Tribromophenol

Concen: 176.05 ng

RT: 10.365 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

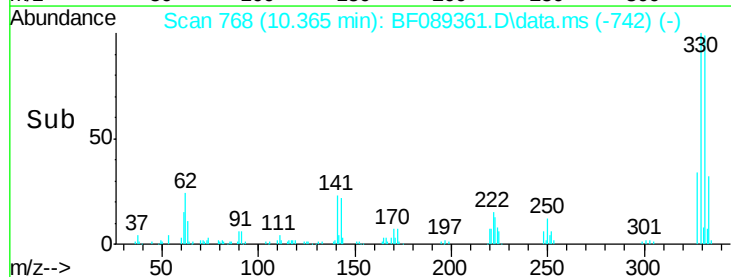
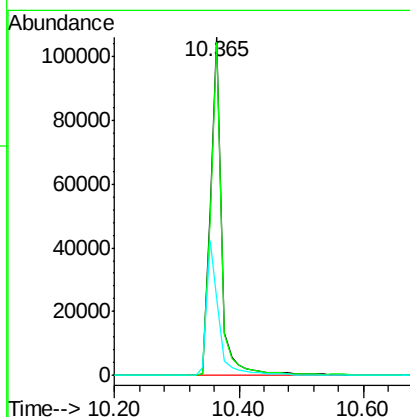
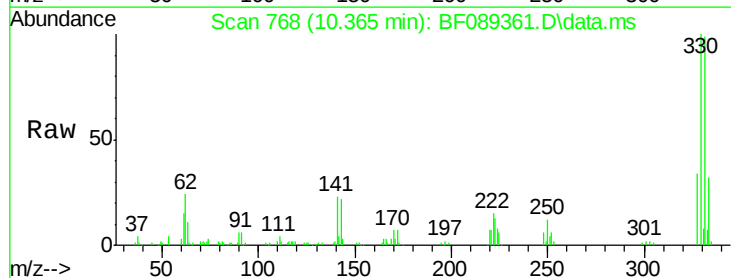
Tgt Ion:330 Resp: 131257

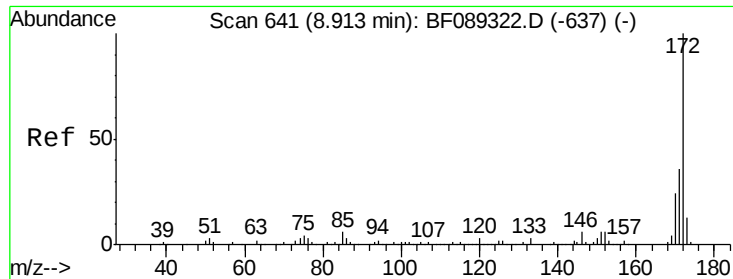
Ion Ratio Lower Upper

330 100

332 97.1 76.8 115.2

141 42.3 37.3 55.9

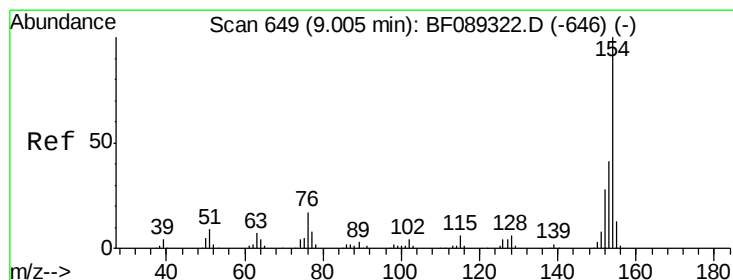
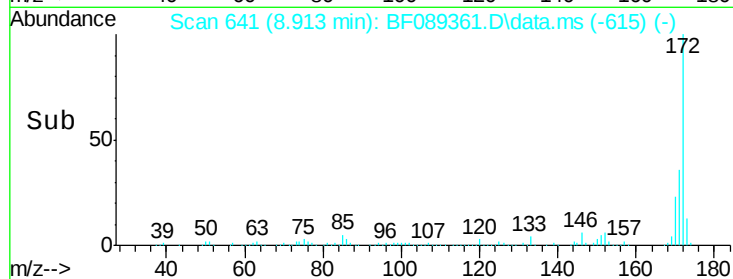
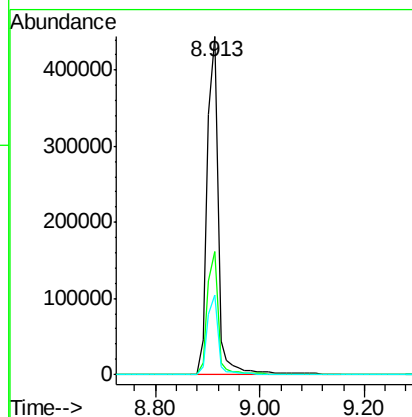
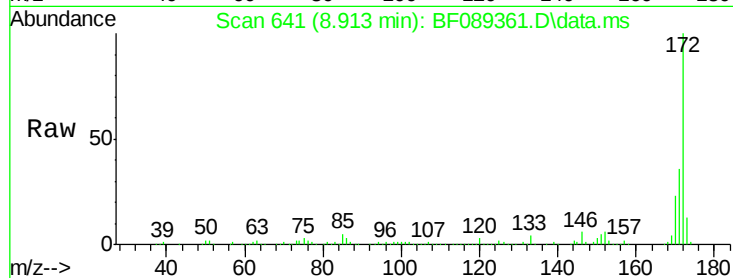




#44
 2-Fluorobiphenyl
 Concen: 106.48 ng
 RT: 8.913 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

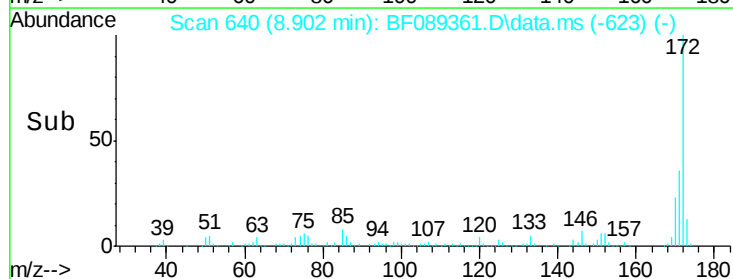
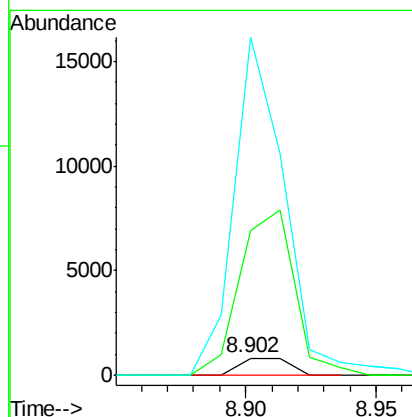
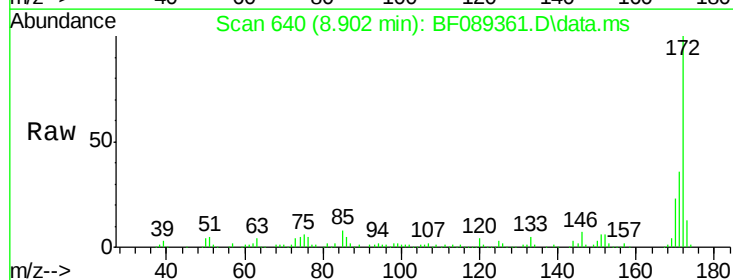
Instrument :
 BNA_F
 ClientSampleId :
 I-12

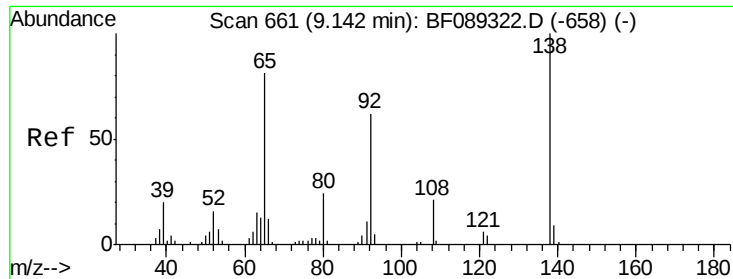
Tot Ion:172 Resp: 653183
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.2 43.8
 170 23.5 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: 0.14 ng
 RT: 8.902 min Scan# 640
 Delta R.T. -0.103 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

Tgt Ion:154 Resp: 1088
 Ion Ratio Lower Upper
 154 100
 153 860.3 21.0 61.0#
 76 2004.2 0.0 36.6#

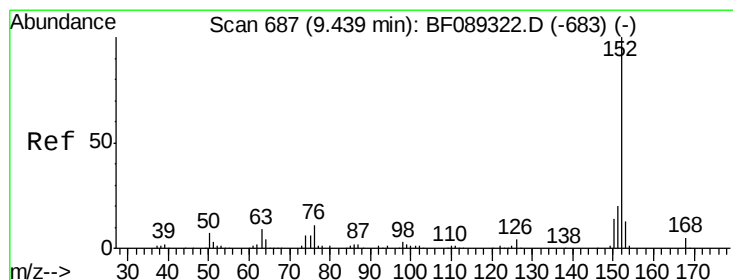
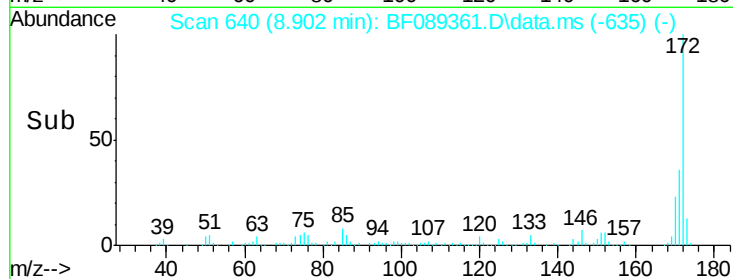
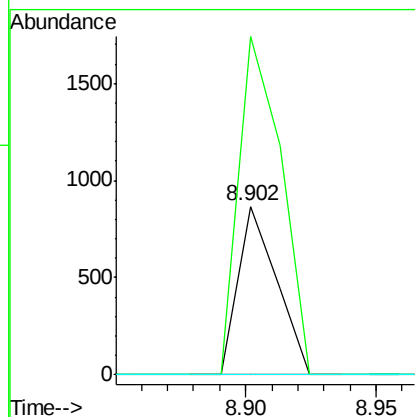
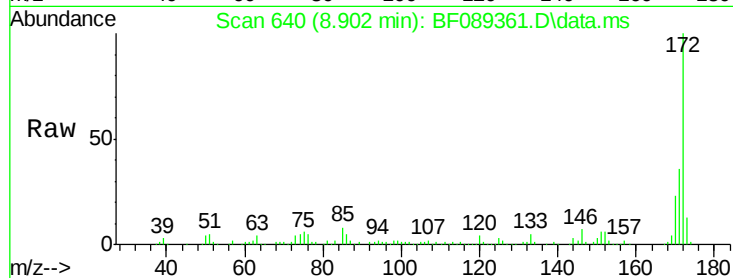




#47
2-Nitroaniline
Concen: 0.53 ng
RT: 8.902 min Scan# 64
Delta R.T. -0.240 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

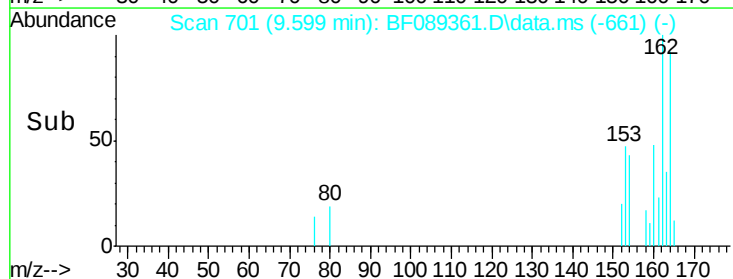
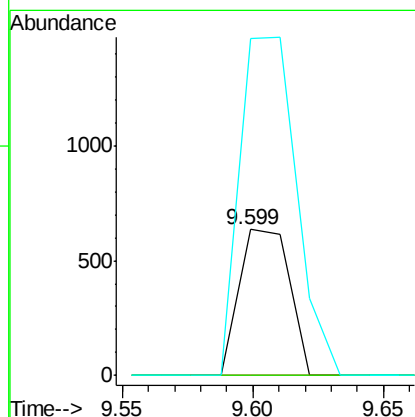
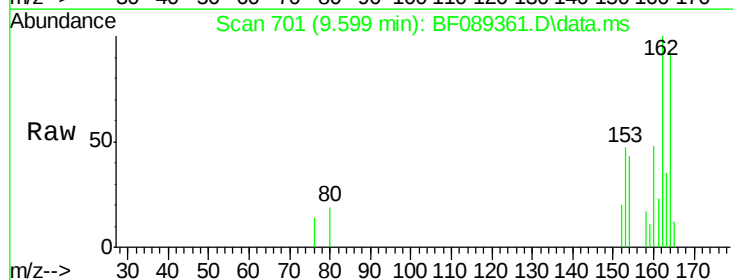
Instrument :
BNA_F
ClientSampleId :
I-12

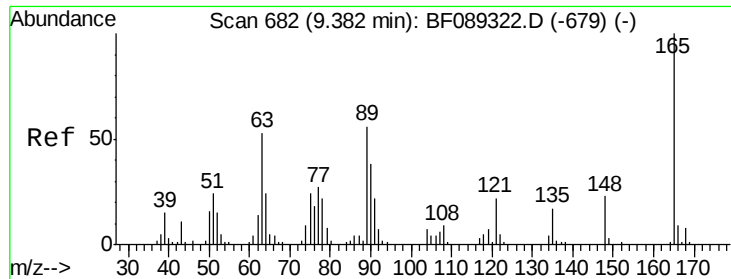
Tot Ion: 65 Resp: 898
Ion Ratio Lower Upper
65 100
92 201.2 61.0 91.4#
138 0.0 99.1 148.7#



#48
Acenaphthylene
Concen: 0.09 ng
RT: 9.599 min Scan# 701
Delta R.T. 0.160 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

Tgt Ion: 152 Resp: 860
Ion Ratio Lower Upper
152 100
151 0.0 16.2 24.2#
153 230.9 10.2 15.4#

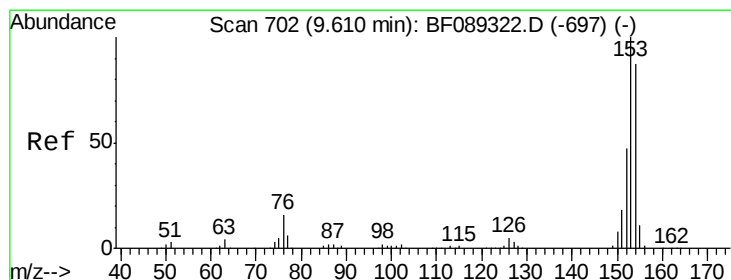
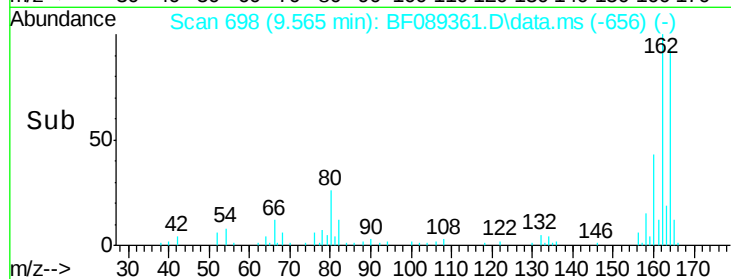
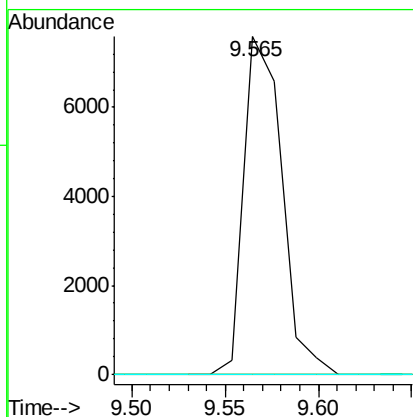
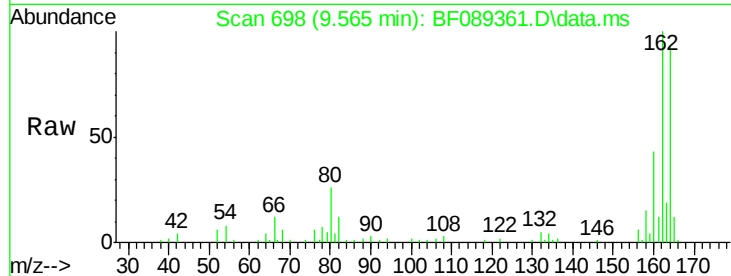




#50
2,6-Dinitrotoluene
Concen: 7.66 ng
RT: 9.565 min Scan# 69
Delta R.T. 0.183 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

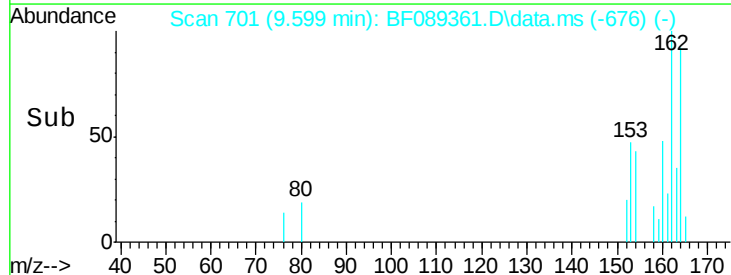
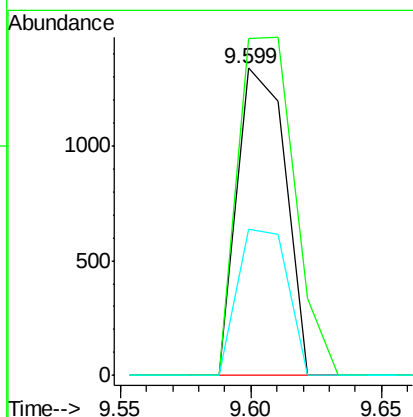
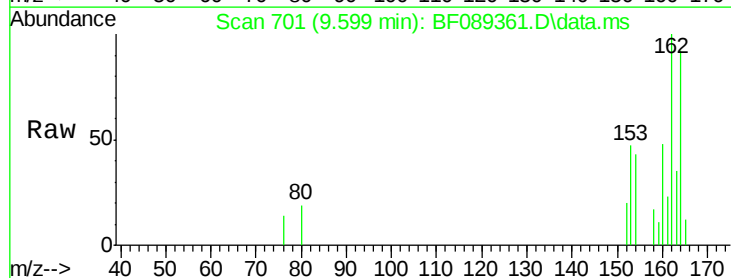
Instrument :
BNA_F
ClientSampleId :
I-12

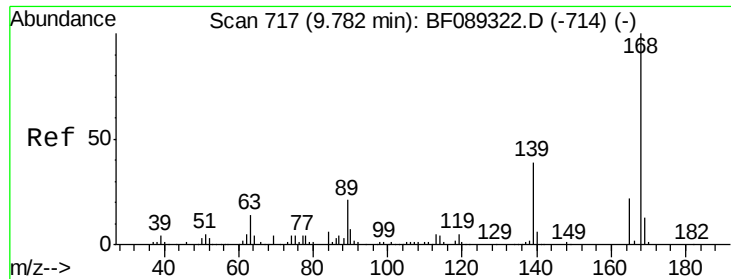
Tot Ion:165 Resp: 10778
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 45.0 67.4#



#51
Acenaphthene
Concen: 0.33 ng
RT: 9.599 min Scan# 701
Delta R.T. -0.011 min
Lab File: BF089361.D
Acq: 28 Jul 2016 12:13

Tgt Ion:154 Resp: 1740
Ion Ratio Lower Upper
154 100
153 109.9 91.4 137.2
152 47.6 43.8 65.6





#54

Dibenzofuran

Concen: 0.10 ng

RT: 9.793 min Scan# 71

Delta R.T. 0.011 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

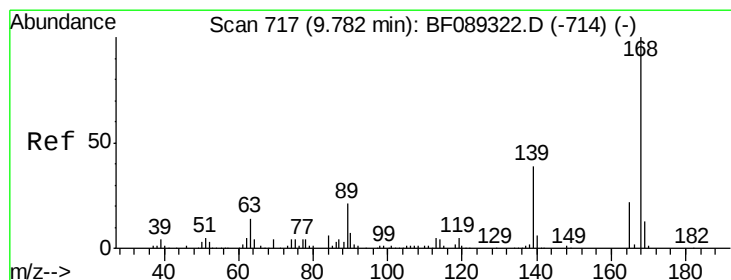
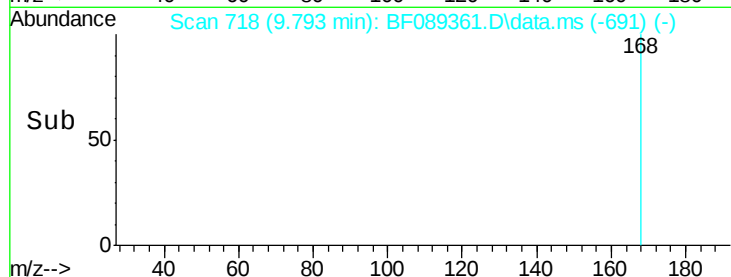
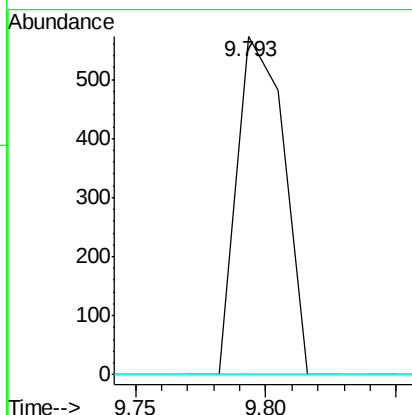
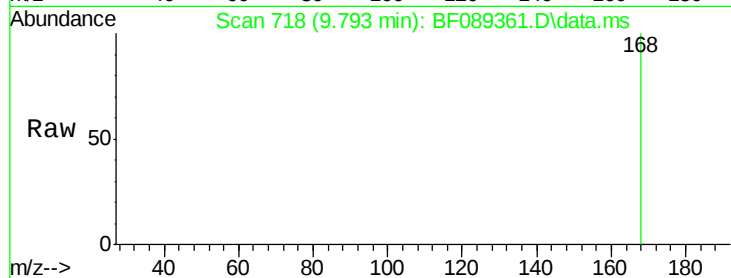
Tot Ion:168 Resp: 723

Ion Ratio Lower Upper

168 100

139 0.0 33.7 50.5#

169 0.0 10.7 16.1#



#56

2,4-Dinitrotoluene

Concen: 5.82 ng

RT: 9.565 min Scan# 698

Delta R.T. -0.217 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Tgt Ion:165 Resp: 10778

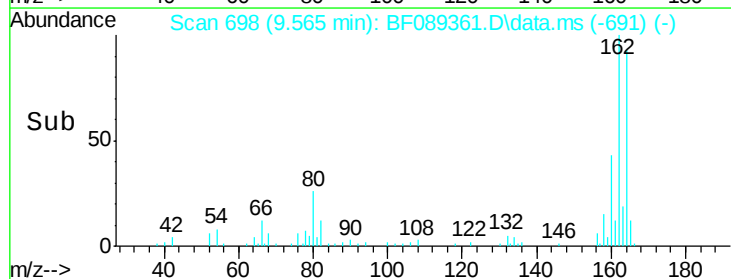
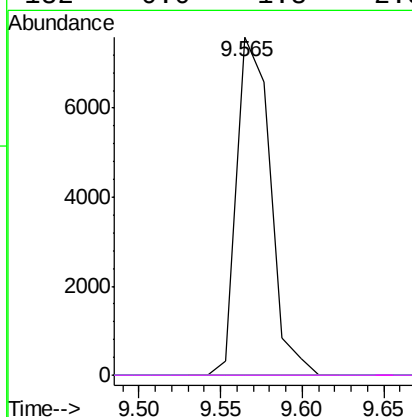
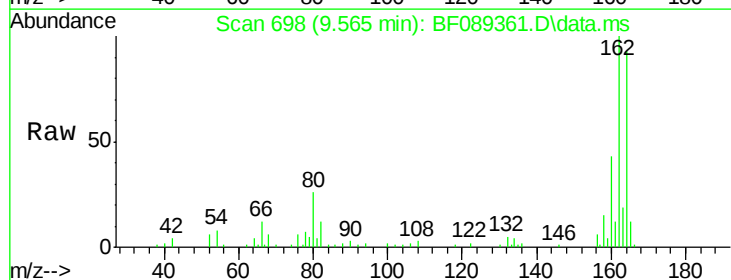
Ion Ratio Lower Upper

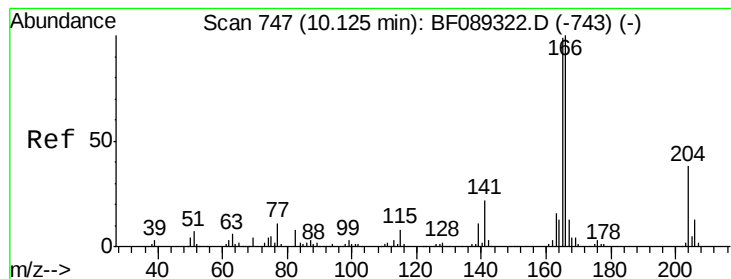
165 100

63 0.0 58.2 87.2#

89 0.0 79.1 118.7#

182 0.0 1.8 2.8#





#57

Fluorene

Concen: 0.13 ng

RT: 10.125 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

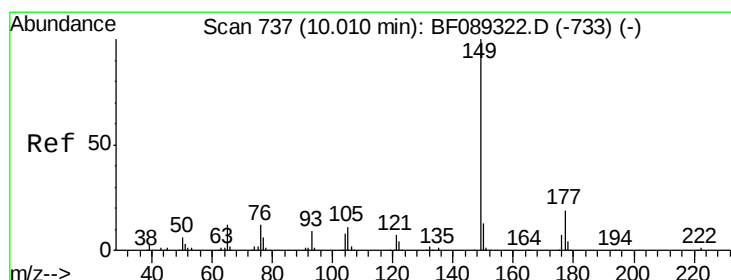
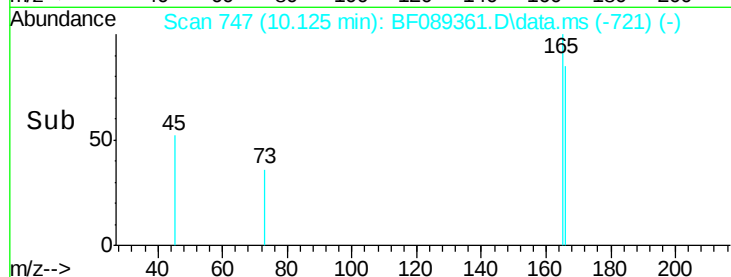
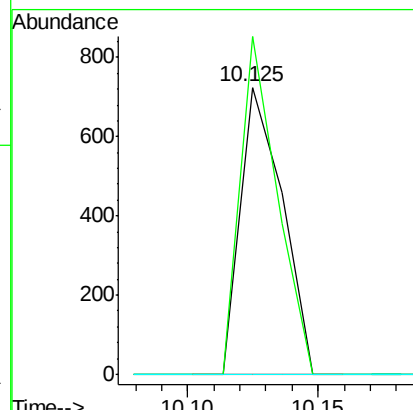
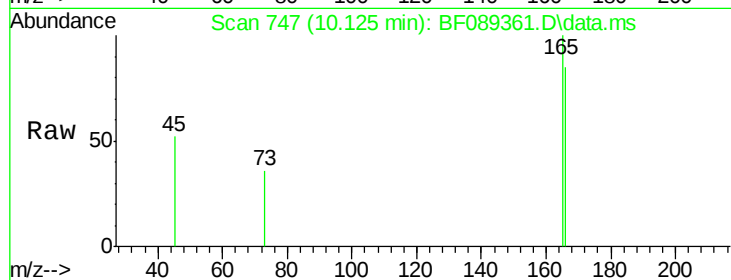
Tot Ion:166 Resp: 812

Ion Ratio Lower Upper

166 100

165 117.7 79.0 118.4

167 0.0 10.2 15.2#



#59

Diethylphthalate

Concen: 0.12 ng

RT: 10.011 min Scan# 737

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

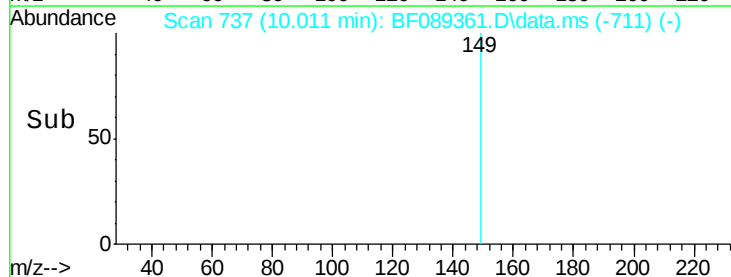
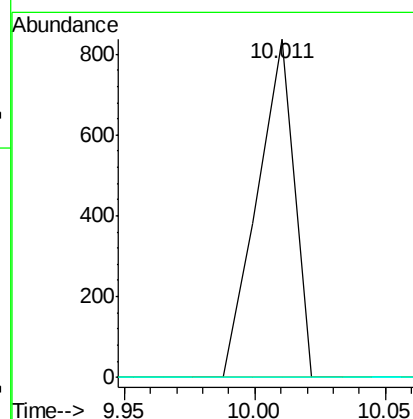
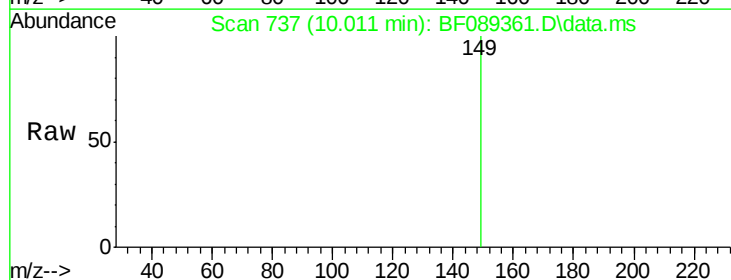
Tgt Ion:149 Resp: 835

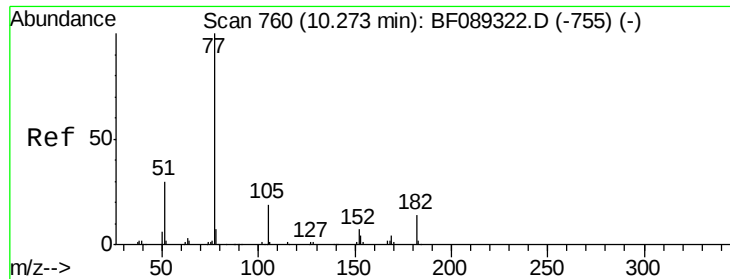
Ion Ratio Lower Upper

149 100

177 0.0 15.1 22.7#

150 0.0 10.2 15.4#





#62

Azobenzene

Concen: 0.06 ng

RT: 10.353 min Scan# 76

Delta R.T. 0.080 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

Tot Ion: 77 Resp: 443

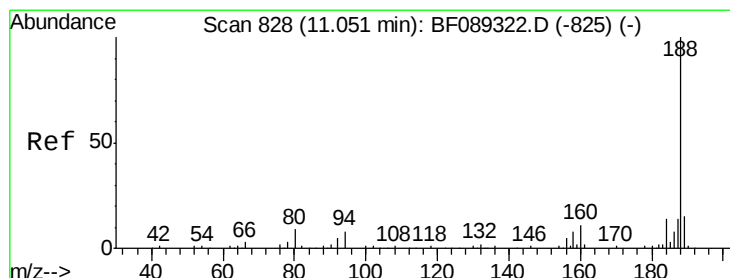
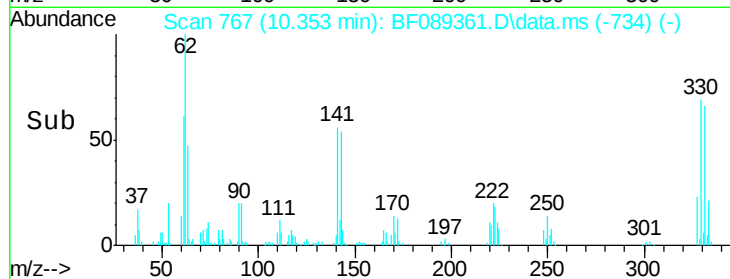
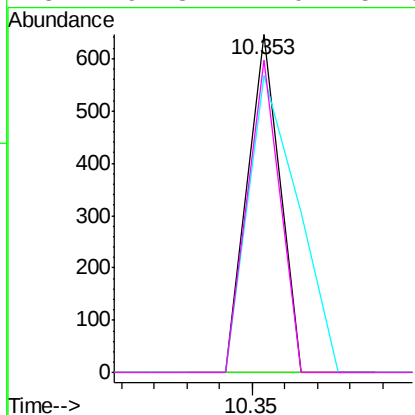
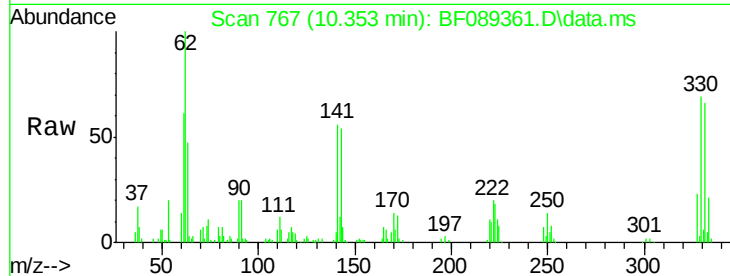
Ion Ratio Lower Upper

77 100

182 0.0 0.0 33.8

105 87.9 0.0 39.8#

51 92.3 11.0 51.0#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.039 min Scan# 827

Delta R.T. -0.011 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

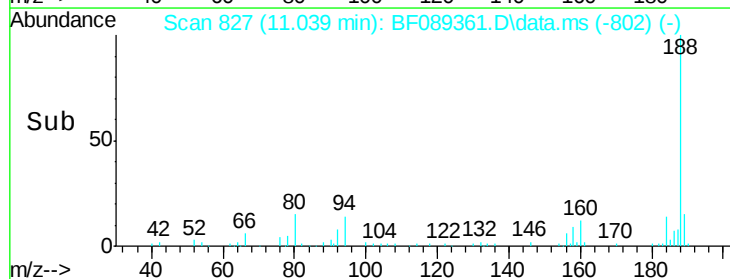
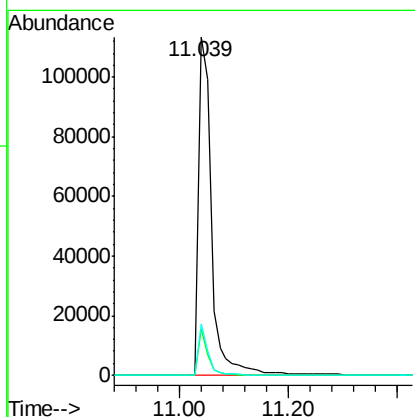
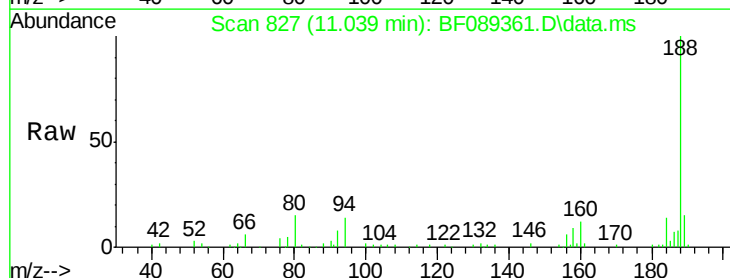
Tgt Ion: 188 Resp: 185631

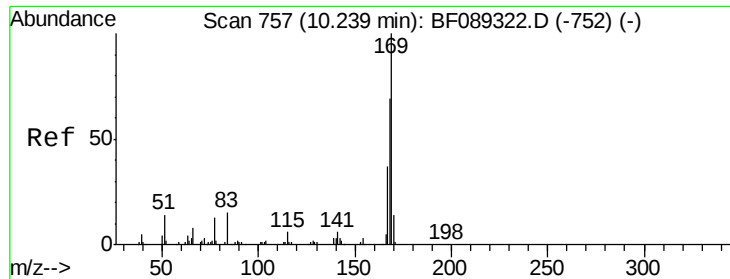
Ion Ratio Lower Upper

188 100

94 13.6 6.5 9.7#

80 15.4 7.2 10.8#

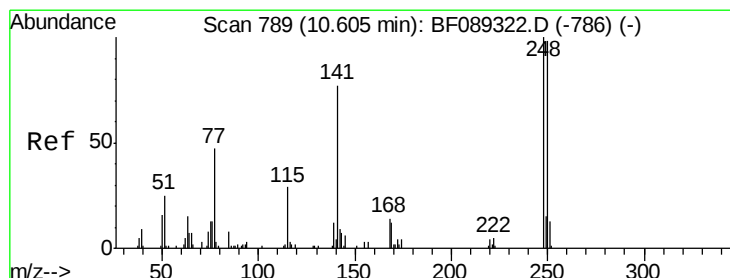
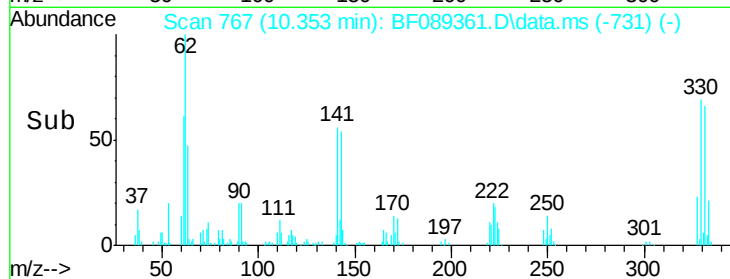
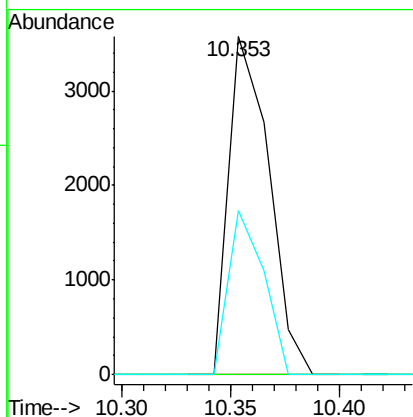
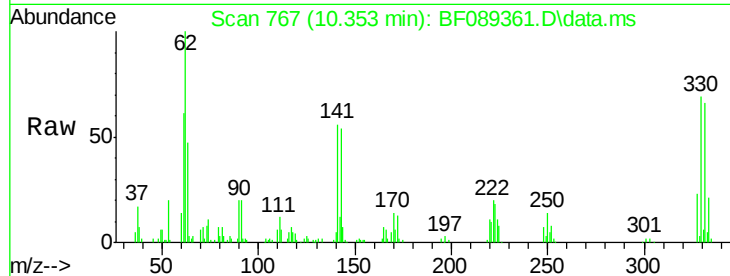




#65
 n-Nitrosodiphenylamine
 Concen: 0.80 ng
 RT: 10.353 min Scan# 76
 Delta R.T. 0.114 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

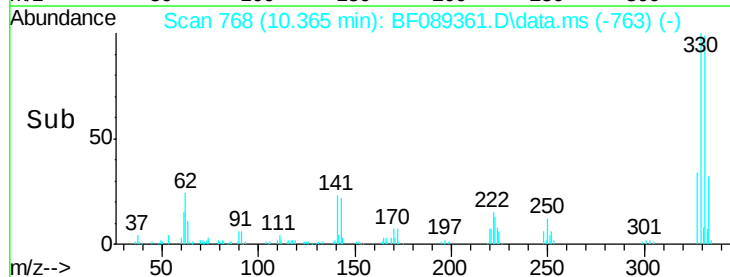
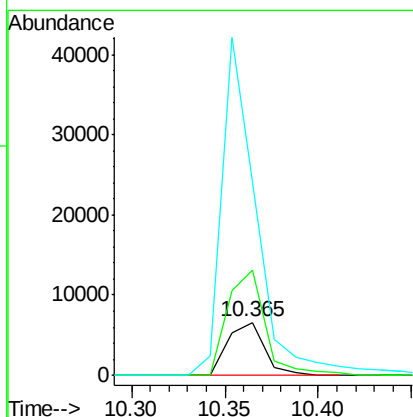
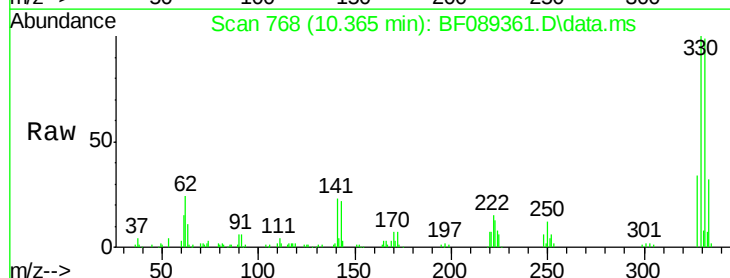
Instrument :
 BNA_F
 ClientSampleId :
 I-12

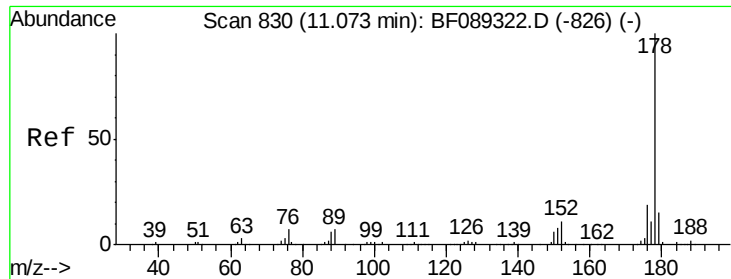
Tot Ion:169 Resp: 4607
 Ion Ratio Lower Upper
 169 100
 168 0.0 55.4 83.0#
 167 48.5 29.7 44.5#



#66
 4-Bromophenyl-phenylether
 Concen: 5.07 ng
 RT: 10.365 min Scan# 768
 Delta R.T. -0.240 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

Tgt Ion:248 Resp: 8990
 Ion Ratio Lower Upper
 248 100
 250 199.2 78.2 117.2#
 141 366.2 62.0 93.0#





#70

Phenanthrene

Concen: 0.21 ng

RT: 11.073 min Scan# 83

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

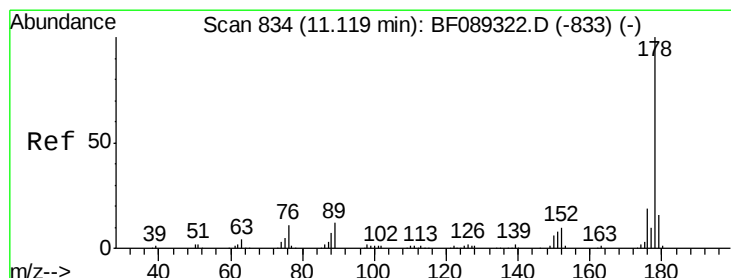
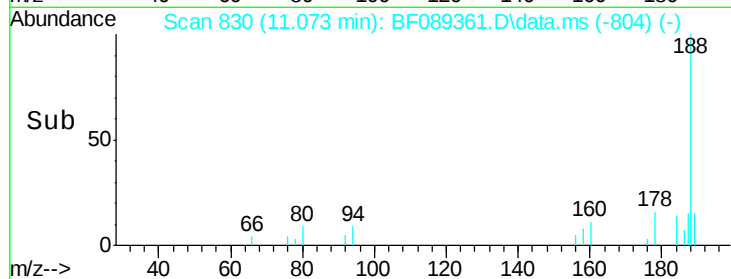
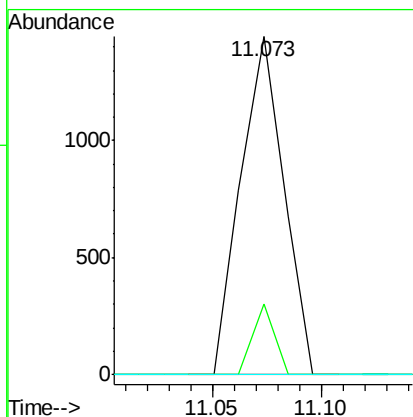
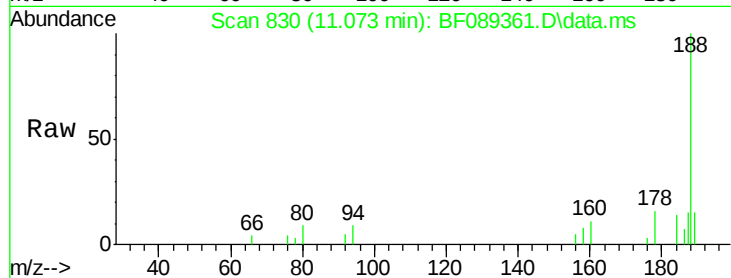
Tot Ion:178 Resp: 1995

Ion Ratio Lower Upper

178 100

176 21.0 15.5 23.3

179 0.0 12.3 18.5#



#71

Anthracene

Concen: 0.19 ng

RT: 11.073 min Scan# 830

Delta R.T. -0.046 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

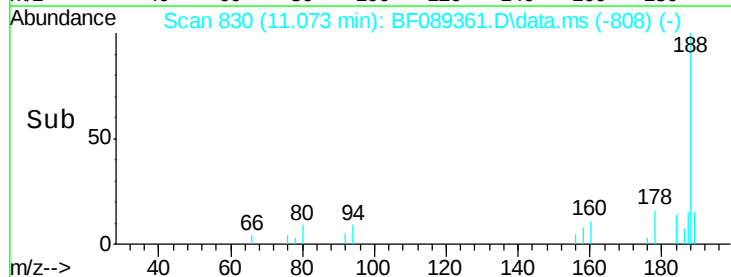
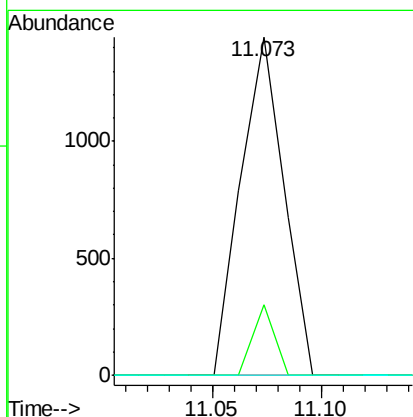
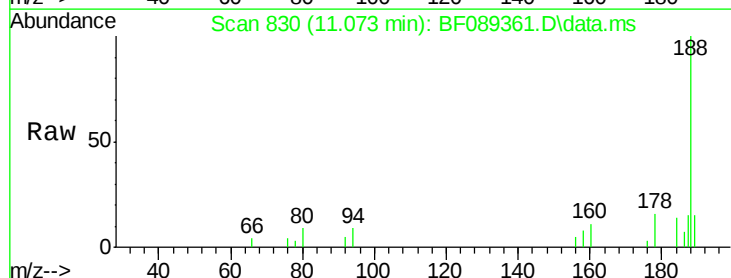
Tgt Ion:178 Resp: 1995

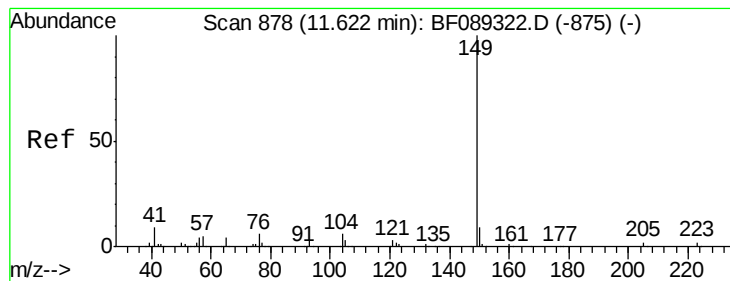
Ion Ratio Lower Upper

178 100

176 21.0 14.8 22.2

179 0.0 12.6 18.8#





#73

Di-n-butylphthalate

Concen: 0.09 ng

RT: 11.622 min Scan# 87

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampled :

I-12

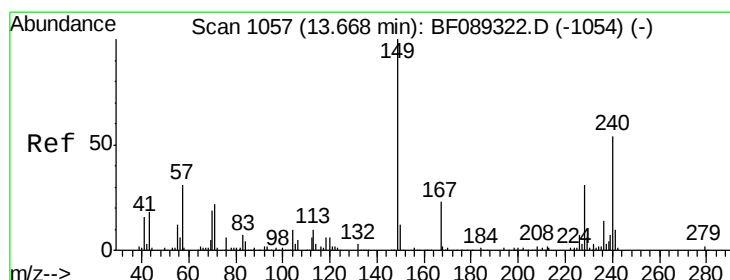
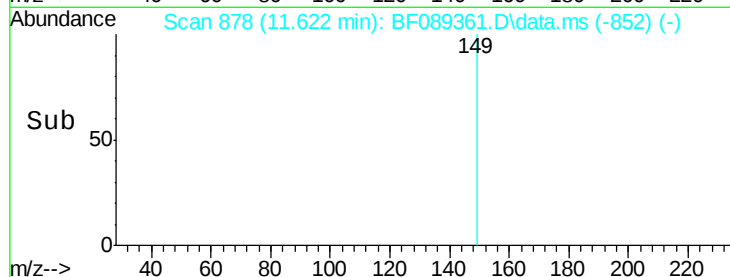
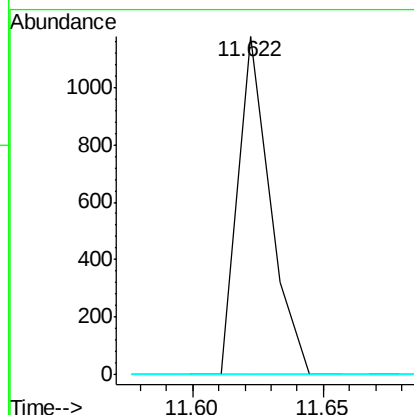
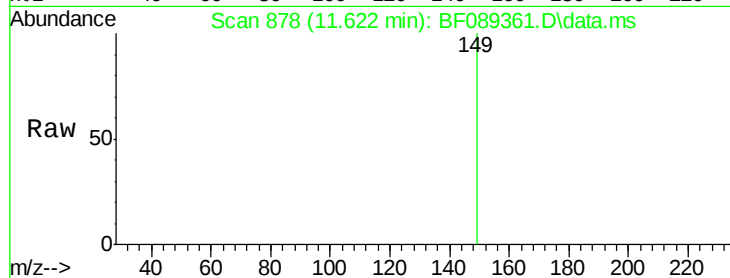
Tot Ion:149 Resp: 1028

Ion Ratio Lower Upper

149 100

150 0.0 7.4 11.0#

104 0.0 4.7 7.1#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.668 min Scan# 1057

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

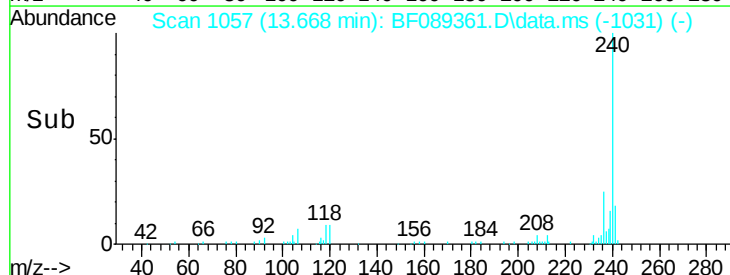
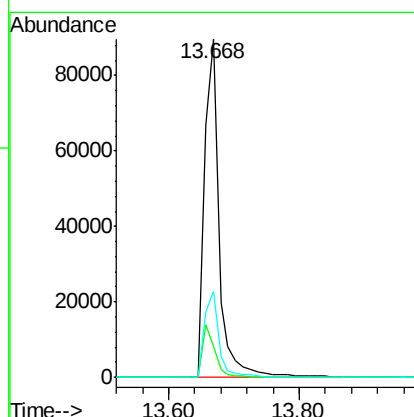
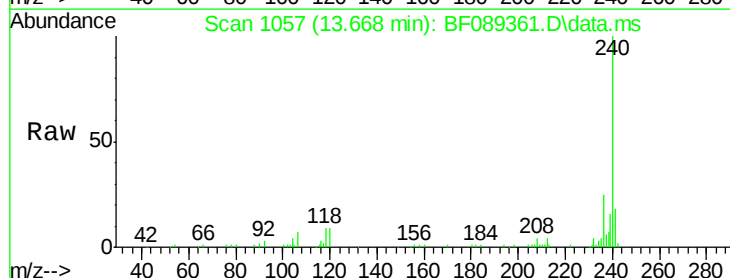
Tgt Ion:240 Resp: 137523

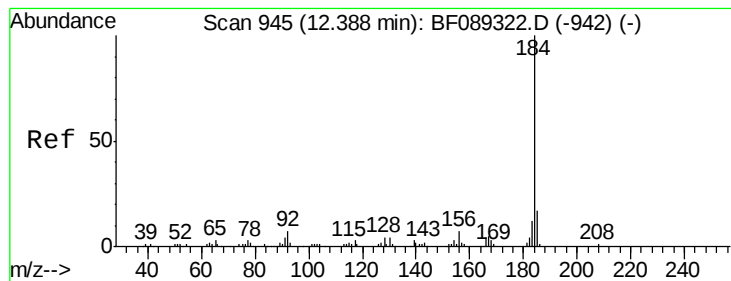
Ion Ratio Lower Upper

240 100

120 9.1 9.1 13.7#

236 25.4 20.6 30.8





#76

Benzidine

Concen: 1.76 ng

RT: 12.628 min Scan# 96

Delta R.T. 0.241 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

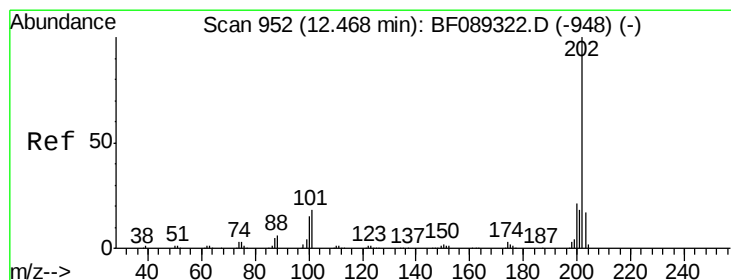
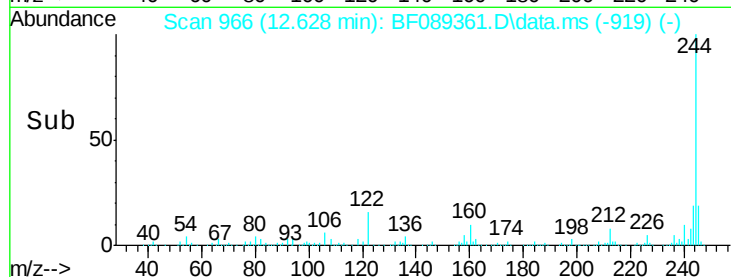
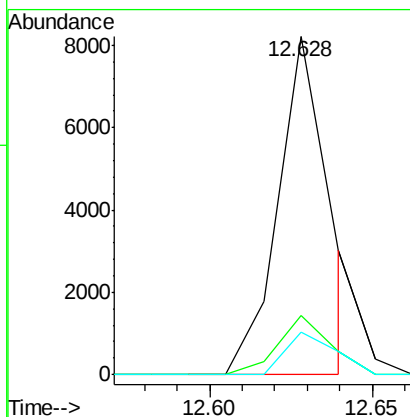
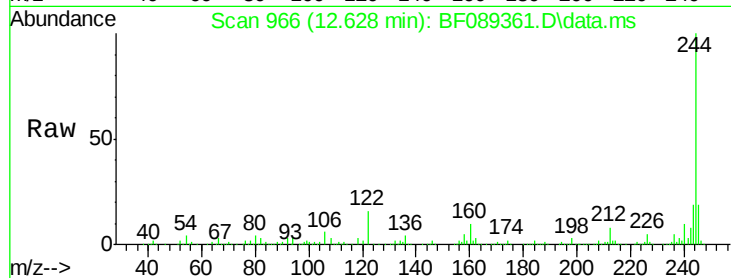
Tot Ion:184 Resp: 8945

Ion Ratio Lower Upper

184 100

185 17.6 13.5 20.3

183 12.7 9.8 14.6



#77

Pyrene

Concen: 0.21 ng

RT: 12.628 min Scan# 966

Delta R.T. 0.160 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

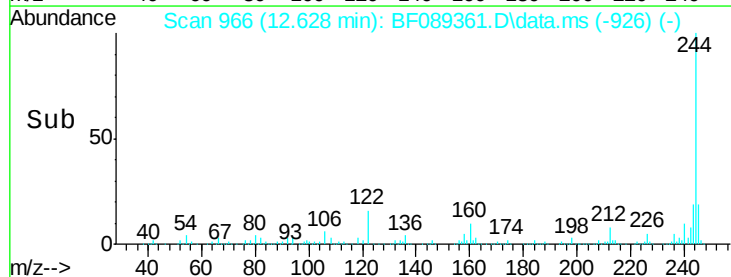
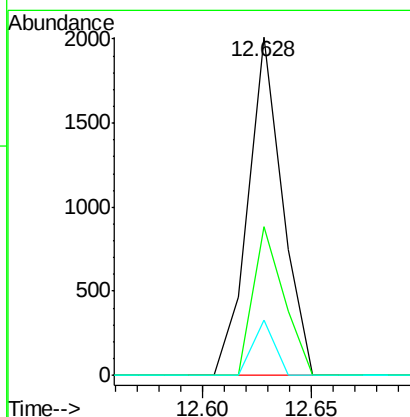
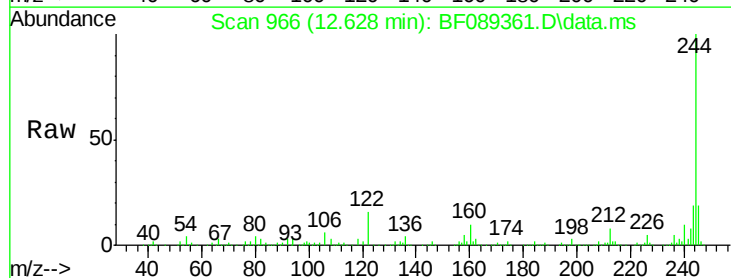
Tgt Ion:202 Resp: 2209

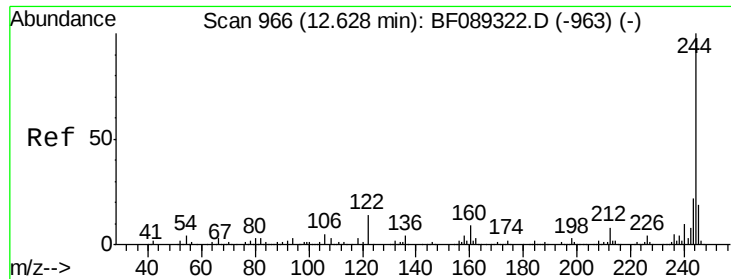
Ion Ratio Lower Upper

202 100

200 44.1 16.9 25.3#

203 16.3 14.0 21.0





#78

Terphenyl-d14

Concen: 103.32 ng

RT: 12.628 min Scan# 96

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

Instrument :

BNA_F

ClientSampleId :

I-12

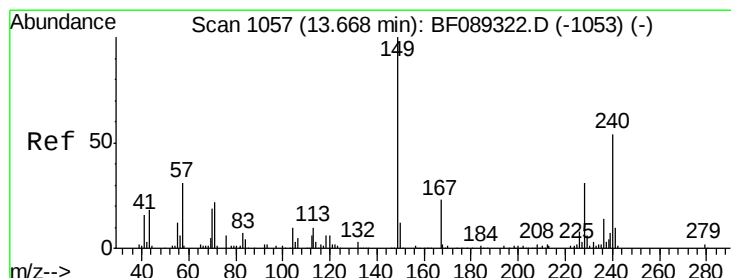
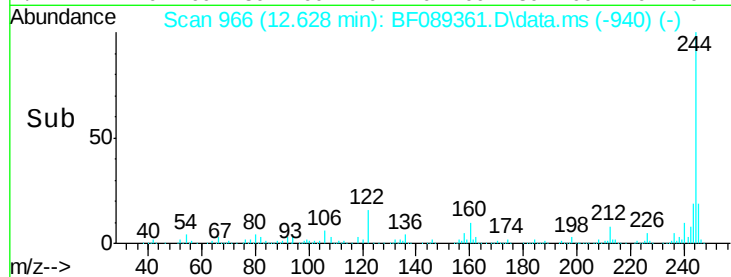
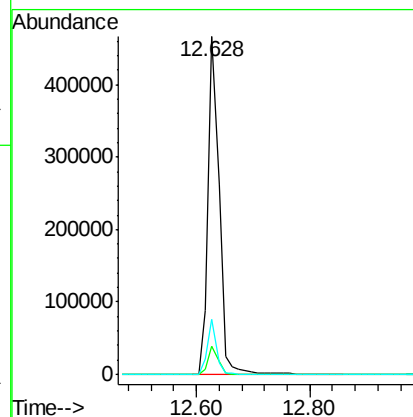
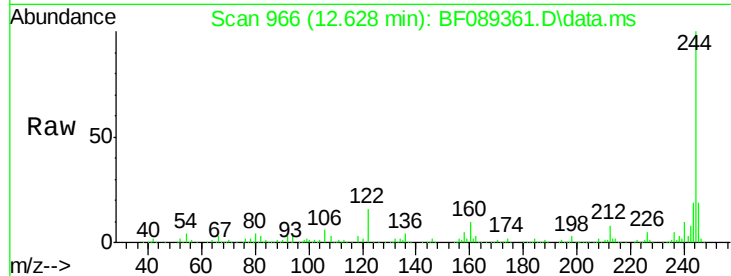
Tot Ion:244 Resp: 607098

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 16.2 11.4 17.0



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 13.668 min Scan# 1057

Delta R.T. 0.000 min

Lab File: BF089361.D

Acq: 28 Jul 2016 12:13

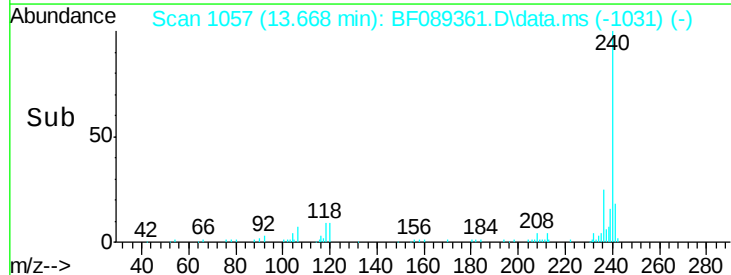
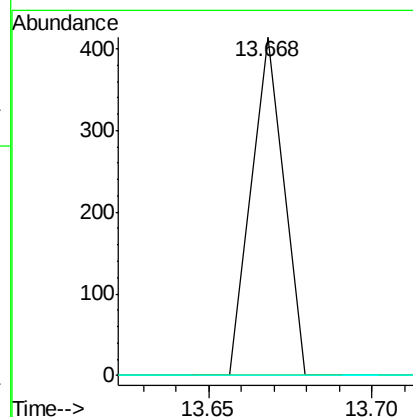
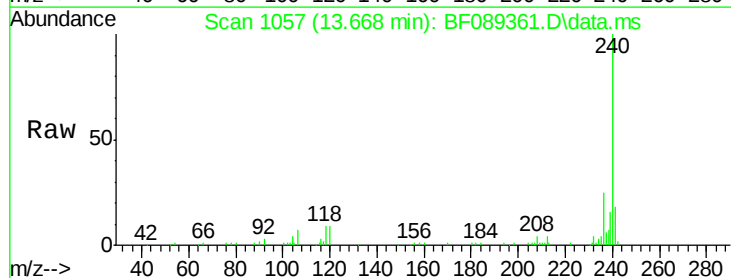
Tgt Ion:149 Resp: 284

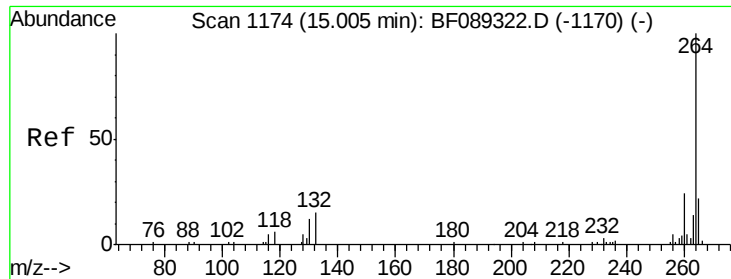
Ion Ratio Lower Upper

149 100

167 0.0 18.8 28.2#

279 0.0 1.4 2.0#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.005 min Scan# 1174
 Delta R.T. 0.000 min
 Lab File: BF089361.D
 Acq: 28 Jul 2016 12:13

Instrument :
 BNA_F
 ClientSampleId :
 I-12

Tot Ion:264 Resp: 106626
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 21.0 17.5 26.3

