

Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
 Data File : BF089358.D
 Acq On : 28 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H4155-18
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-5

Quant Time: Jul 28 11:34:21 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)

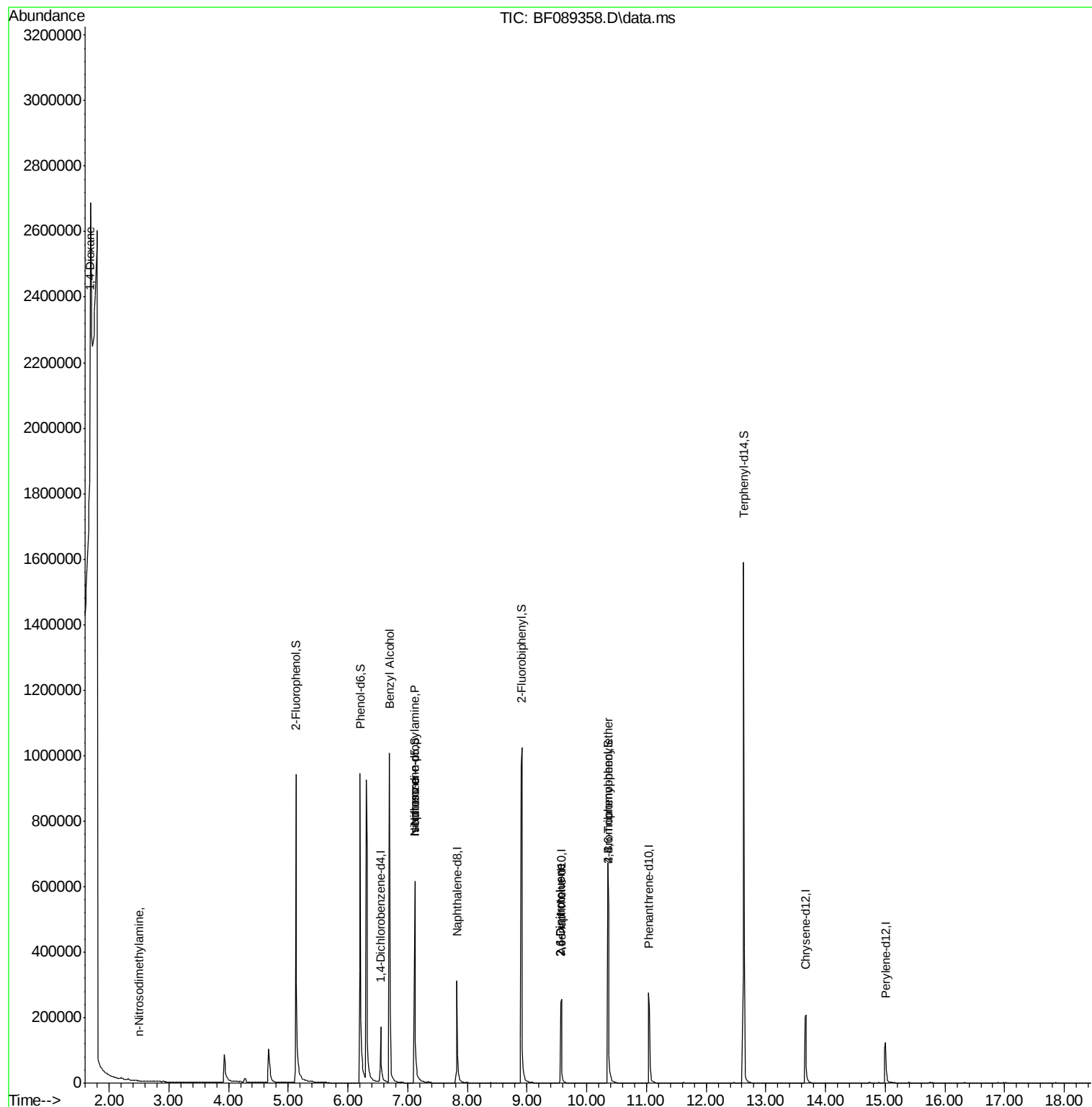
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.547	152	41283	20.00	ng	0.00
21) Naphthalene-d8	7.827	136	186138	20.00	ng	0.00
38) Acenaphthene-d10	9.576	164	85476	20.00	ng	0.00
63) Phenanthrene-d10	11.039	188	174403	20.00	ng	-0.01
75) Chrysene-d12	13.668	240	128897	20.00	ng	0.00
86) Perylene-d12	15.005	264	72799	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.130	112	335655	129.82	ng	0.02
7) Phenol-d6	6.204	99	458480	134.18	ng	0.00
23) Nitrobenzene-d5	7.119	82	320271	101.56	ng	0.00
41) 2,4,6-Tribromophenol	10.365	330	116036	163.91	ng	0.00
44) 2-Fluorobiphenyl	8.913	172	575006	98.73	ng	0.00
78) Terphenyl-d14	12.628	244	533114	96.80	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	1.690	88	39608	33.22	ng	# 26
4) n-Nitrosodimethylamine	2.501	42	219	7.91	ng	# 1
15) Benzyl Alcohol	6.696	79	4901	2.31	ng	# 51
19) n-Nitroso-di-n-propyla...	7.119	70	41724	20.25	ng	# 79
25) Isophorone	7.119	82	252794	39.79	ng	# 67
50) 2,6-Dinitrotoluene	9.565	165	9651	7.22	ng	# 24
56) 2,4-Dinitrotoluene	9.565	165	9651	5.48	ng	# 7
66) 4-Bromophenyl-phenylether	10.365	248	8017	4.81	ng	# 1

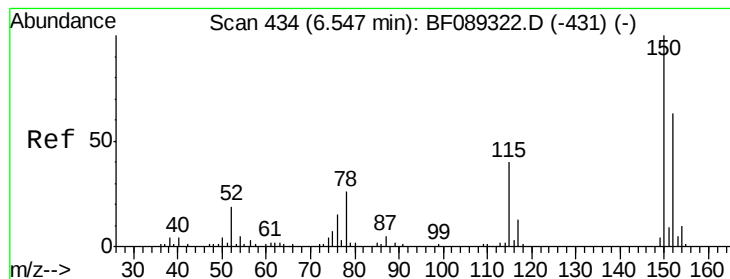
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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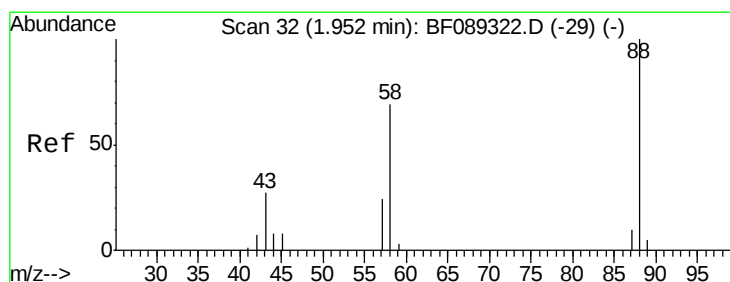
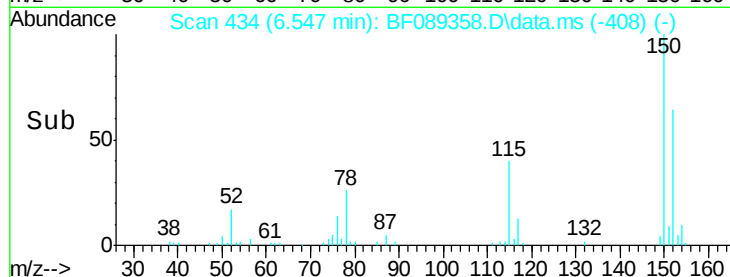
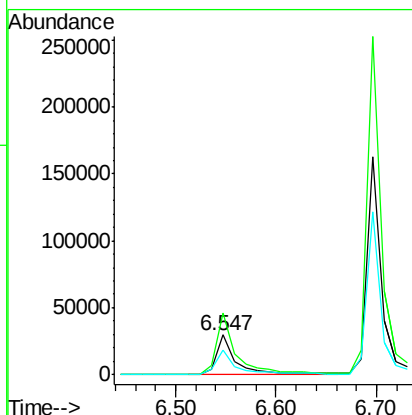
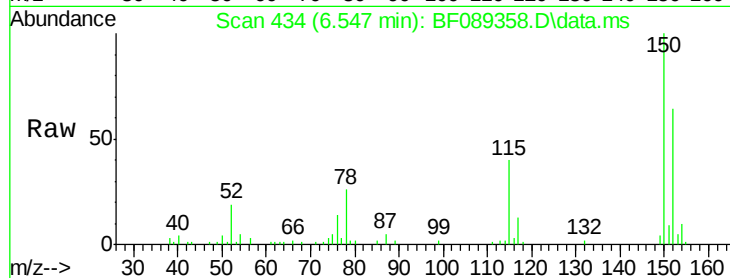




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.547 min Scan# 43
 Delta R.T. 0.000 min
 Lab File: BF089358.D
 Acq: 28 Jul 2016 10:48

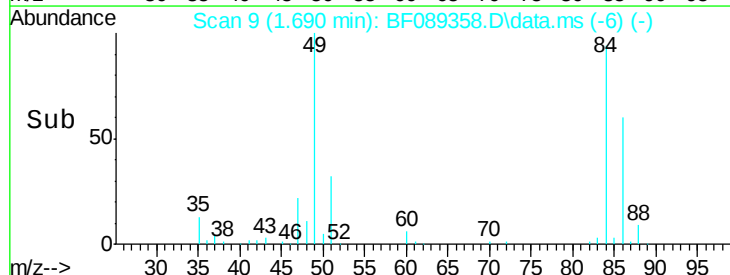
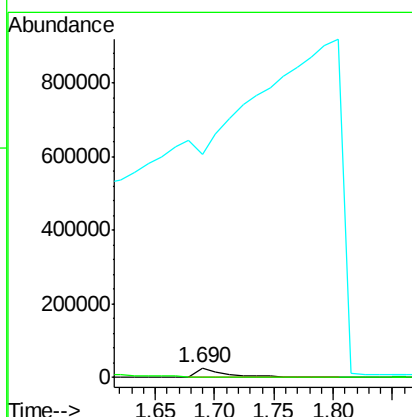
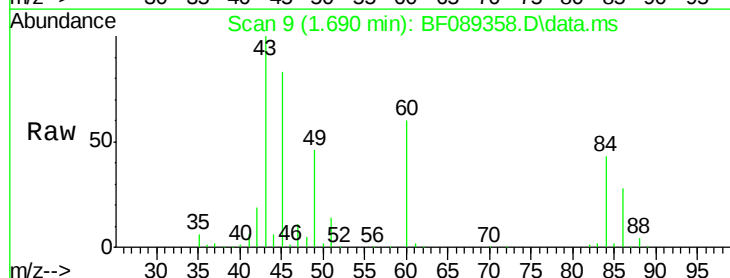
Instrument :
 BNA_F
 ClientSampleId :
 I-5

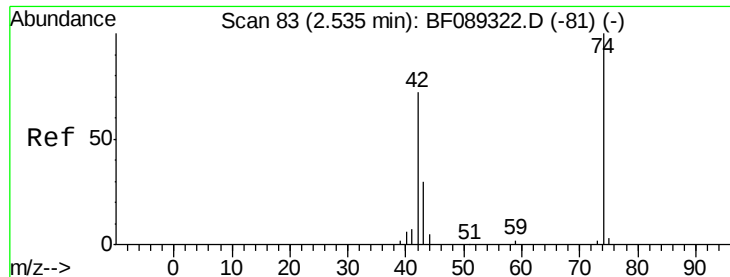
Tot Ion:152 Resp: 41283
 Ion Ratio Lower Upper
 152 100
 150 156.0 129.5 194.3
 115 61.7 51.4 77.2



#2
 1,4-Dioxane
 Concen: 33.22 ng
 RT: 1.690 min Scan# 9
 Delta R.T. -0.262 min
 Lab File: BF089358.D
 Acq: 28 Jul 2016 10:48

Tgt Ion: 88 Resp: 39608
 Ion Ratio Lower Upper
 88 100
 58 0.0 53.2 79.8#
 43 0.0 20.6 31.0#





#4

n-Nitrosodimethylamine

Concen: 7.91 ng

RT: 2.501 min Scan# 80

Delta R.T. -0.034 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-5

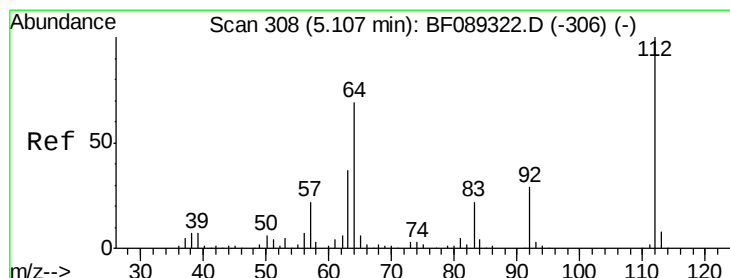
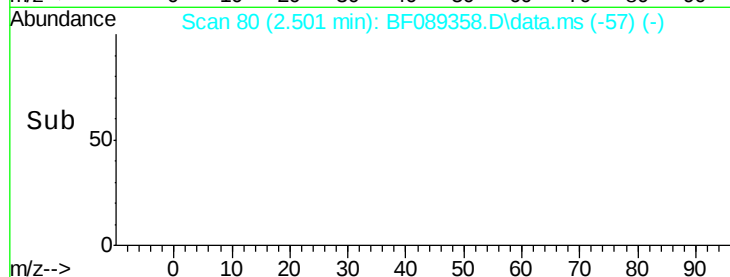
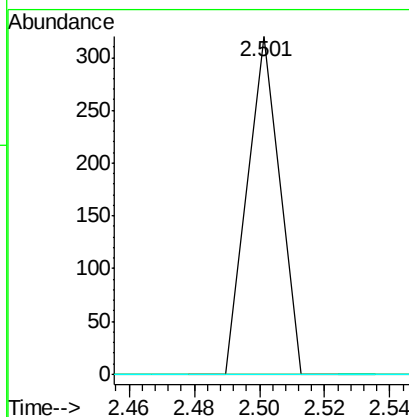
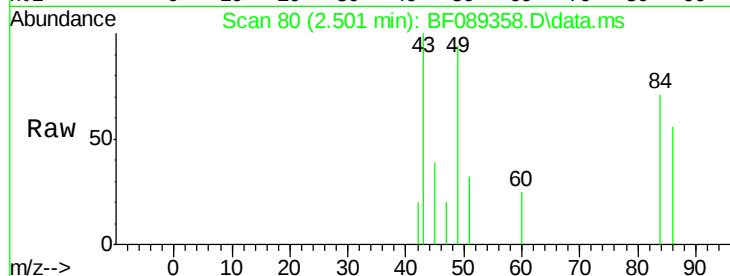
Tot Ion: 42 Resp: 219

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



#5

2-Fluorophenol

Concen: 129.82 ng

RT: 5.130 min Scan# 310

Delta R.T. 0.023 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

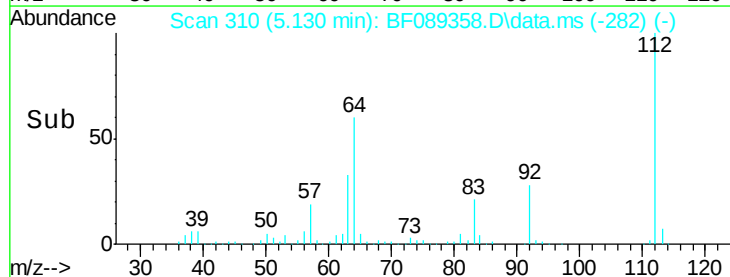
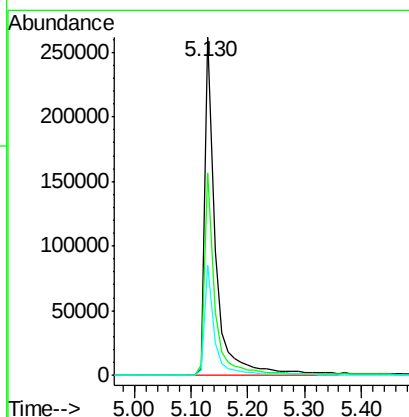
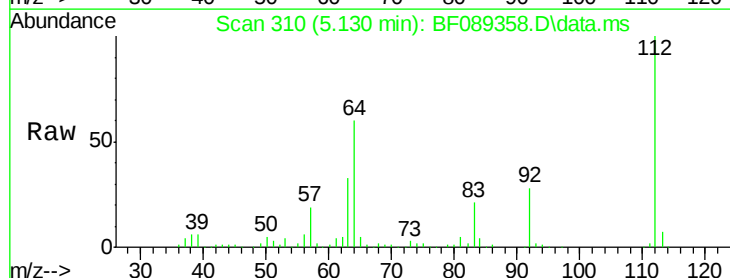
Tgt Ion: 112 Resp: 335655

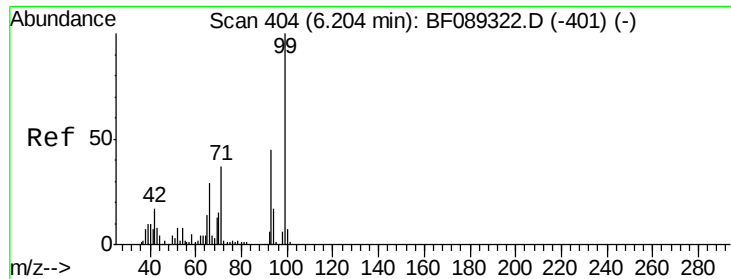
Ion Ratio Lower Upper

112 100

64 59.8 55.0 82.6

63 32.5 29.4 44.2





#7

Phenol-d6

Concen: 134.18 ng

RT: 6.204 min Scan# 404

Delta R.T. 0.000 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-5

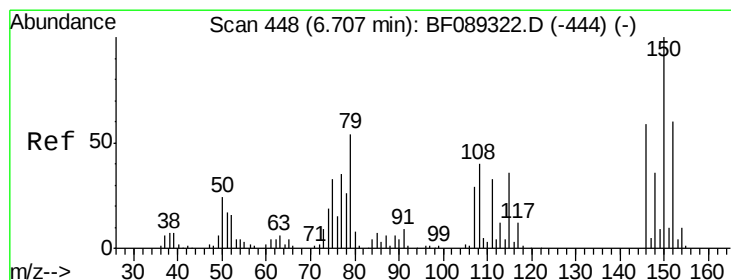
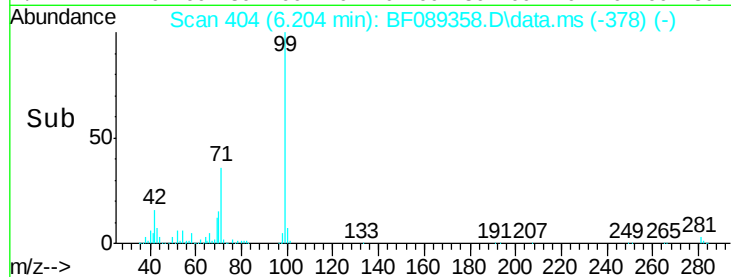
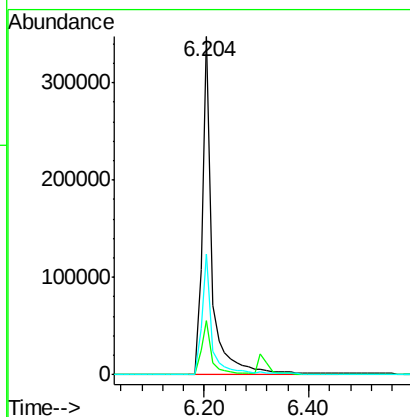
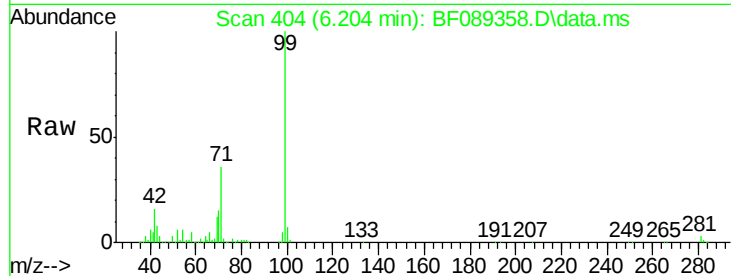
Tot Ion: 99 Resp: 458480

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

71 35.8 29.4 44.2



#15

Benzyl Alcohol

Concen: 2.31 ng

RT: 6.696 min Scan# 447

Delta R.T. -0.011 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

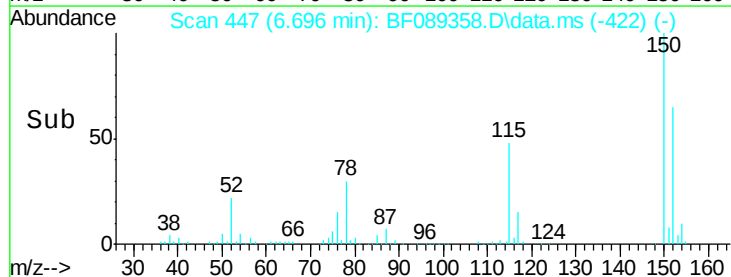
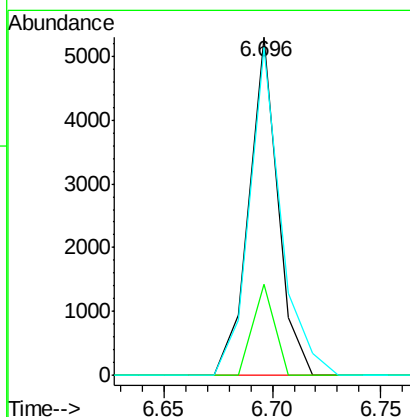
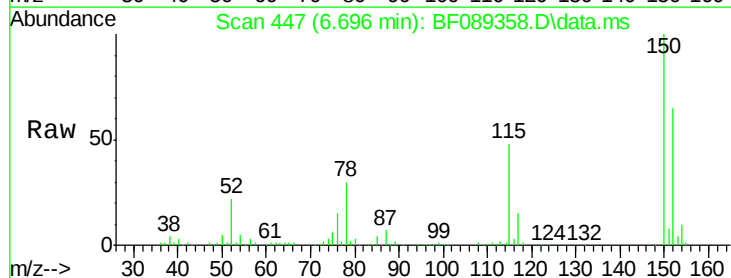
Tgt Ion: 79 Resp: 4901

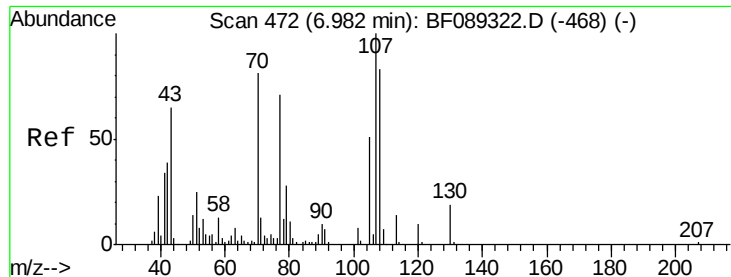
Ion Ratio Lower Upper

79 100

108 26.9 59.8 89.6#

77 97.0 51.7 77.5#





#19

n-Nitroso-di-n-propylamine

Concen: 20.25 ng

RT: 7.119 min Scan# 48

Delta R.T. 0.137 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-5

Tot Ion: 70 Resp: 41724

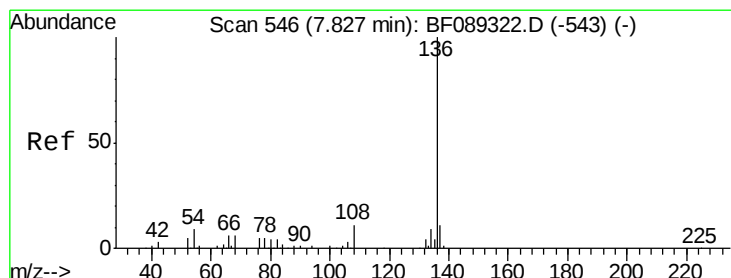
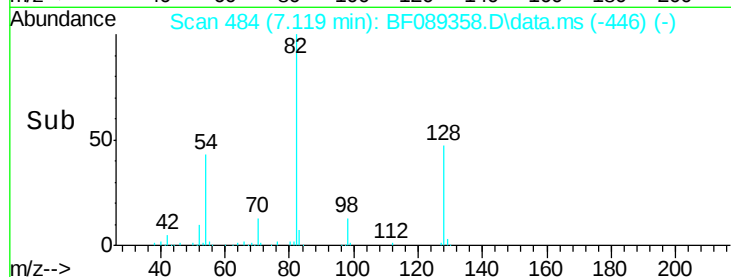
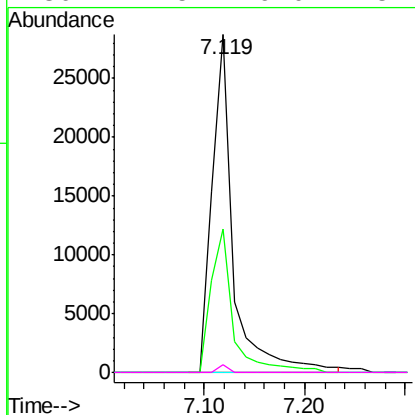
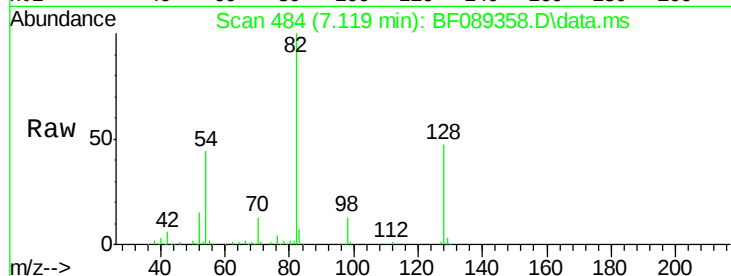
Ion Ratio Lower Upper

70 100

42 42.4 38.6 57.8

101 0.0 8.3 12.5#

130 2.5 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: BF089358.D

Acq: 28 Jul 2016 10:48

Tgt Ion: 136 Resp: 186138

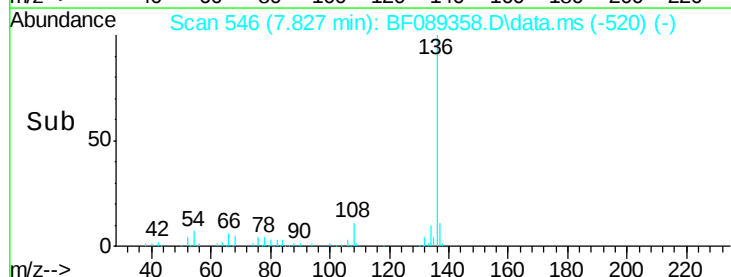
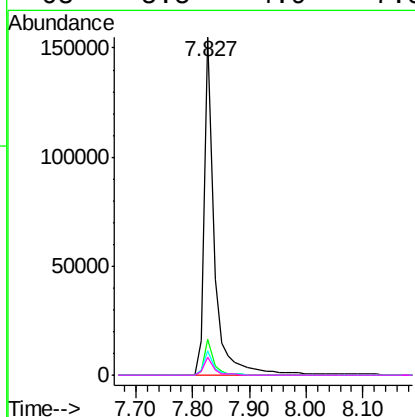
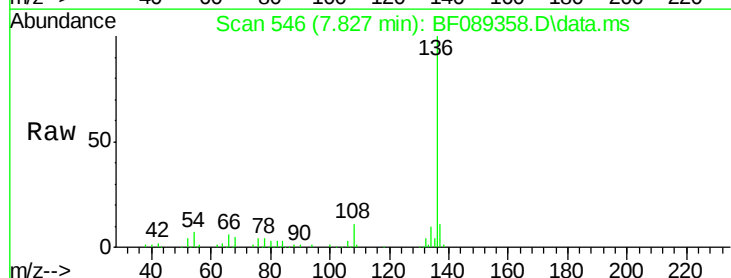
Ion Ratio Lower Upper

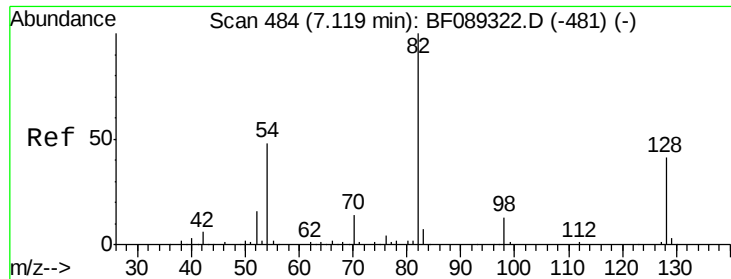
136 100

137 10.8 8.6 13.0

54 7.1 7.0 10.4

68 5.5 4.9 7.3





#23

Nitrobenzene-d5

Concen: 101.56 ng

RT: 7.119 min Scan# 481

Delta R.T. 0.000 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-5

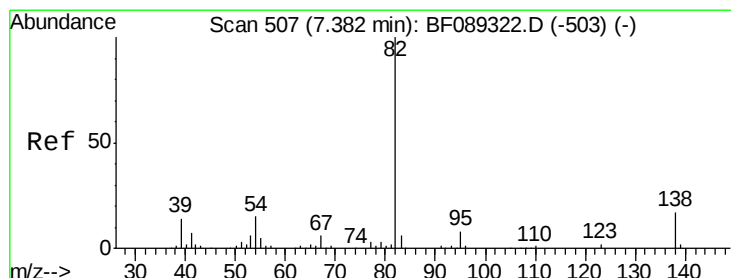
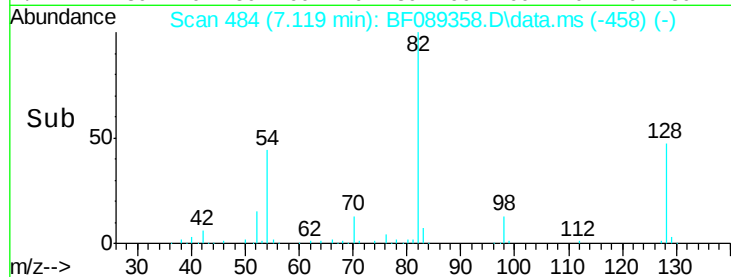
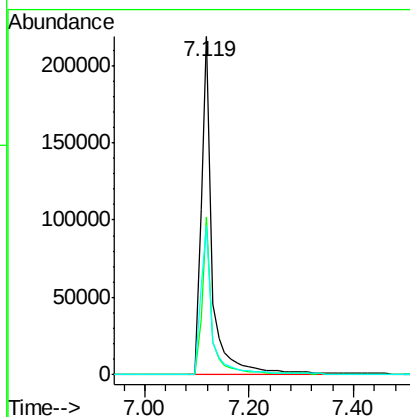
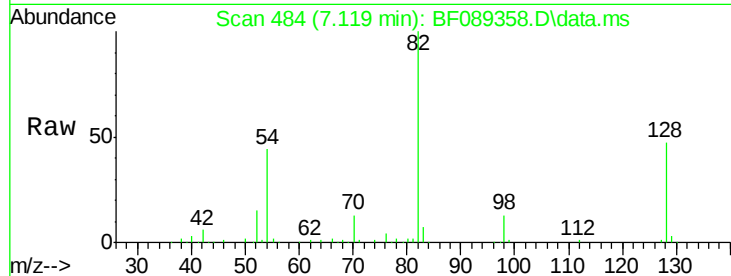
Tot Ion: 82 Resp: 320271

Ion Ratio Lower Upper

82 100

128 46.6 32.5 48.7

54 44.1 38.8 58.2



#25

Isophorone

Concen: 39.79 ng

RT: 7.119 min Scan# 484

Delta R.T. -0.263 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

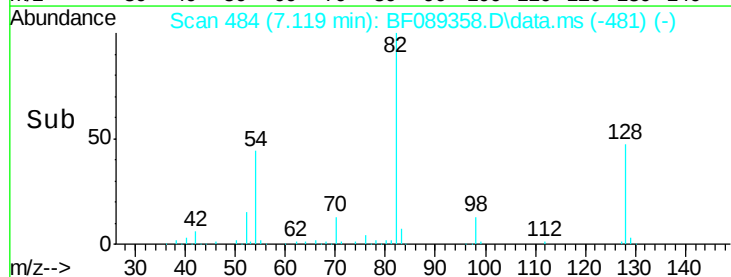
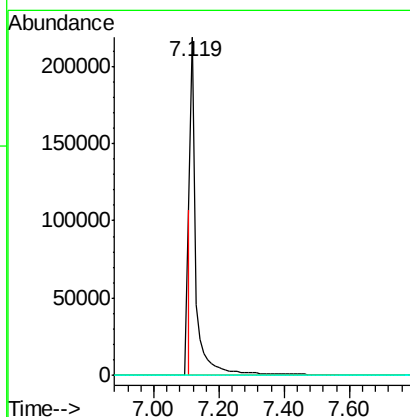
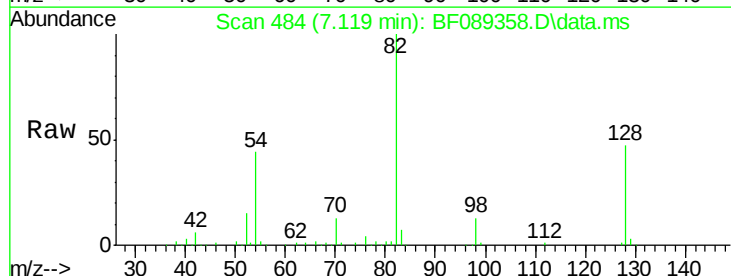
Tgt Ion: 82 Resp: 252794

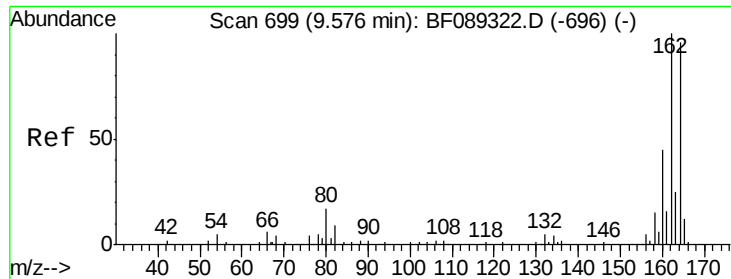
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#

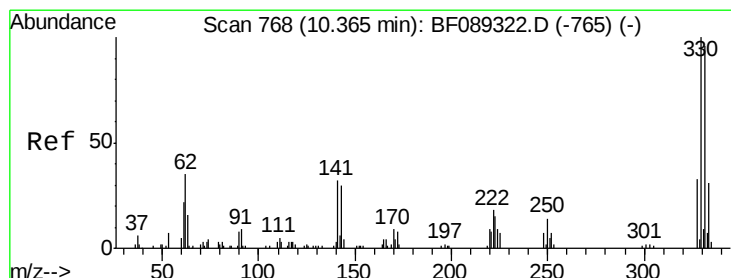
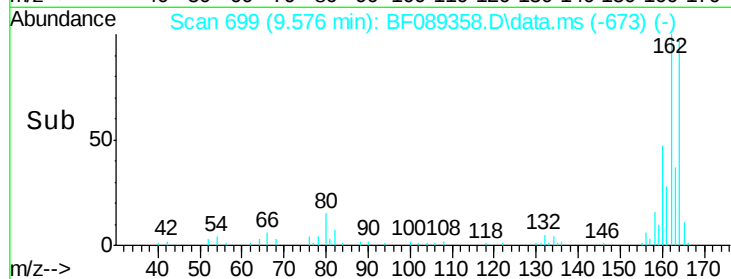
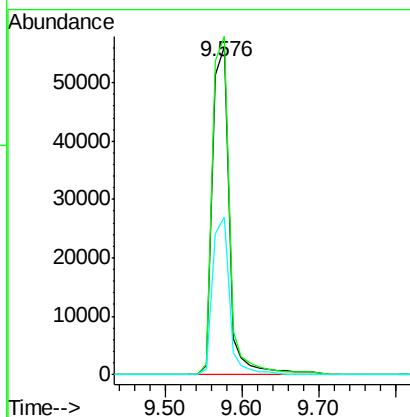
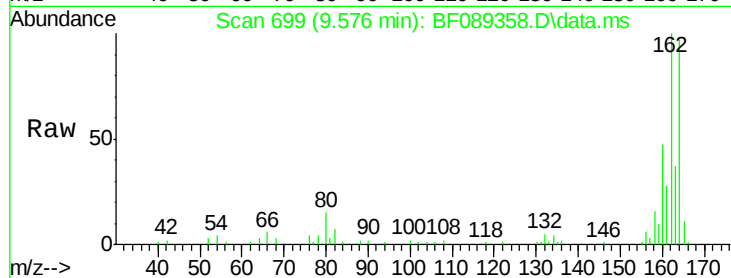




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.576 min Scan# 699
Delta R.T. 0.000 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

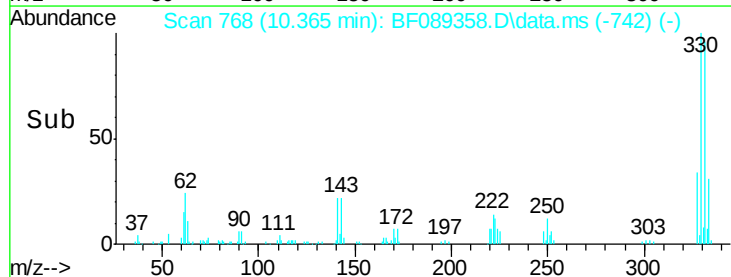
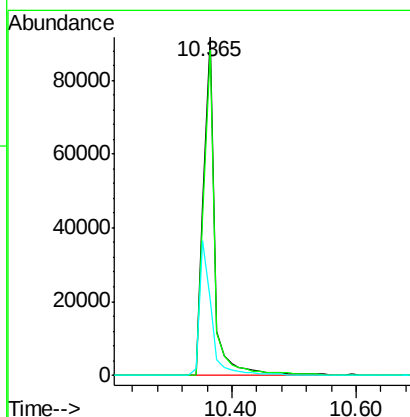
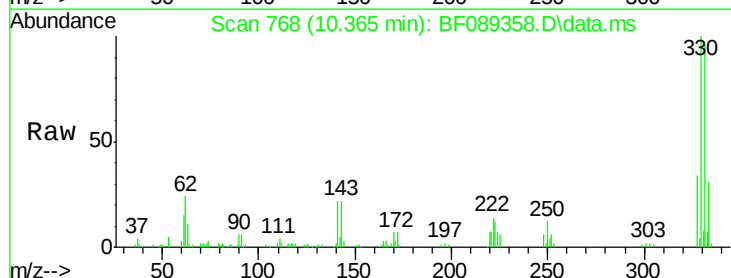
Instrument :
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ClientSampleId :
I-5

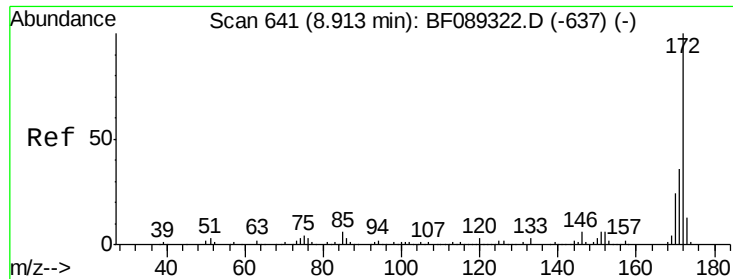
Tot Ion:164 Resp: 85476
Ion Ratio Lower Upper
164 100
162 103.1 83.7 125.5
160 48.0 37.8 56.6



#41
2,4,6-Tribromophenol
Concen: 163.91 ng
RT: 10.365 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

Tgt Ion:330 Resp: 116036
Ion Ratio Lower Upper
330 100
332 95.1 76.8 115.2
141 41.8 37.3 55.9

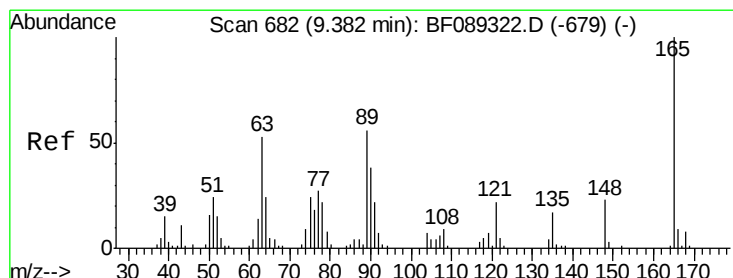
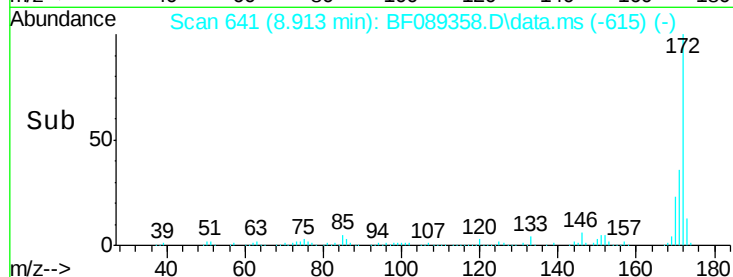
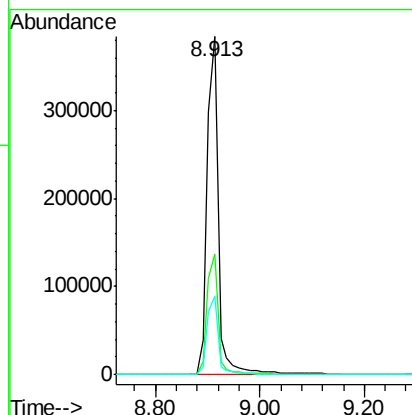
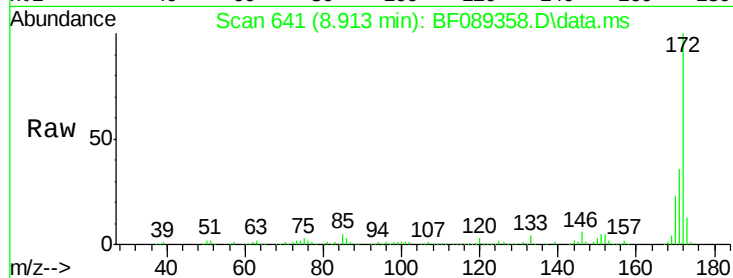




#44
 2-Fluorobiphenyl
 Concen: 98.73 ng
 RT: 8.913 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: BF089358.D
 Acq: 28 Jul 2016 10:48

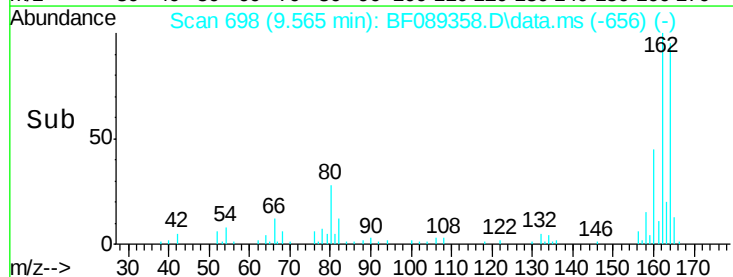
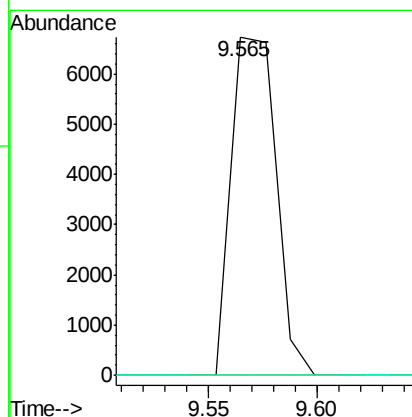
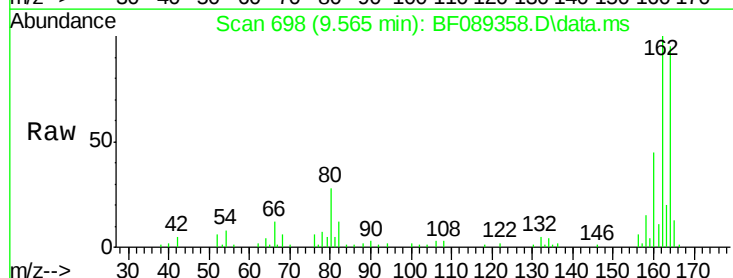
Instrument :
 BNA_F
 ClientSampleId :
 I-5

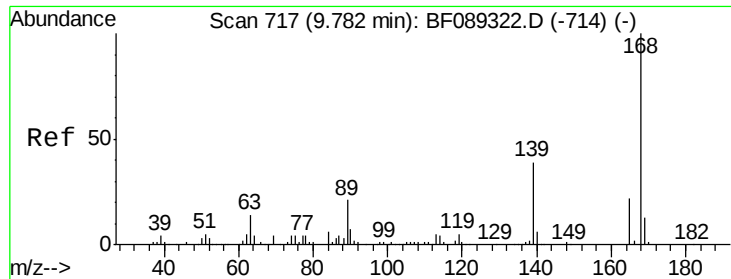
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.3	19.2	28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.22 ng
 RT: 9.565 min Scan# 698
 Delta R.T. 0.183 min
 Lab File: BF089358.D
 Acq: 28 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.5	65.3#
89	0.0	45.0	67.4#

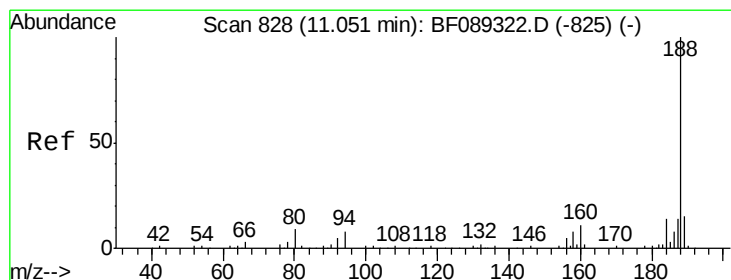
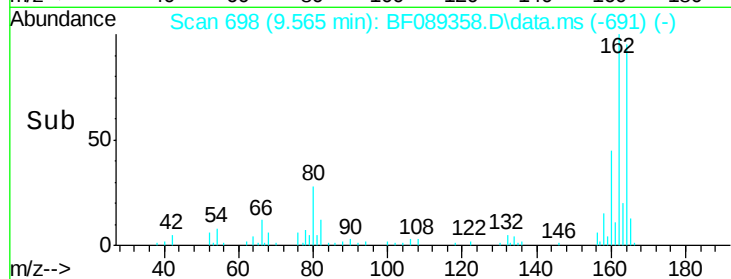
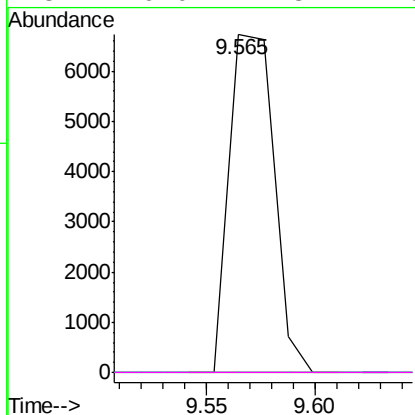
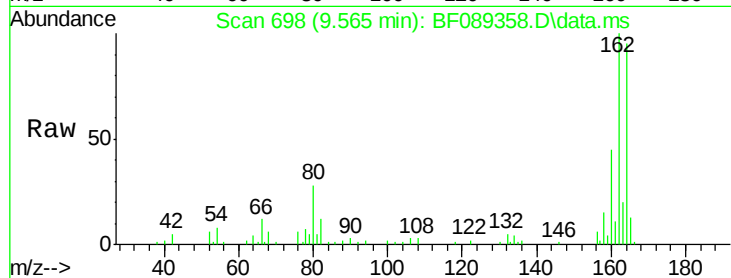




#56
2,4-Dinitrotoluene
Concen: 5.48 ng
RT: 9.565 min Scan# 69
Delta R.T. -0.217 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

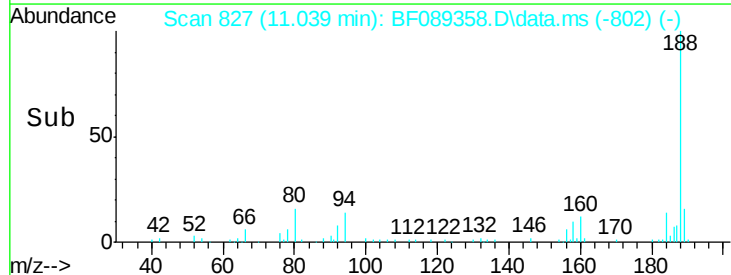
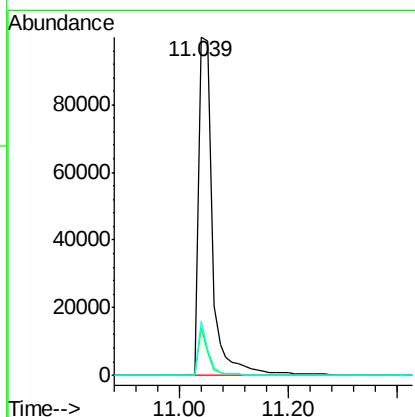
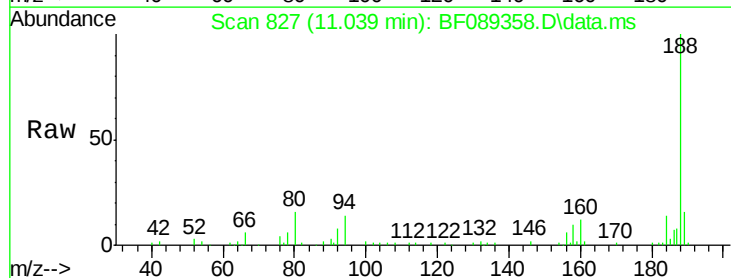
Instrument :
BNA_F
ClientSampleId :
I-5

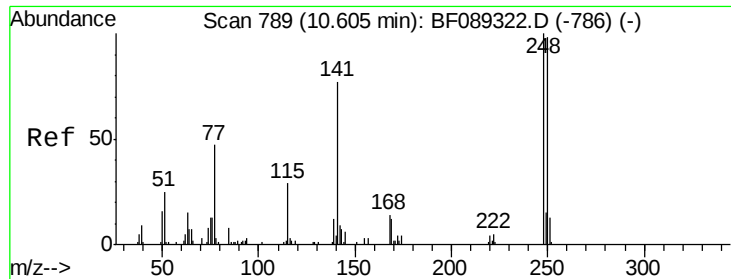
Tot Ion:165 Resp: 9651
Ion Ratio Lower Upper
165 100
63 0.0 58.2 87.2#
89 0.0 79.1 118.7#
182 0.0 1.8 2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.039 min Scan# 827
Delta R.T. -0.011 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

Tgt Ion:188 Resp: 174403
Ion Ratio Lower Upper
188 100
94 14.2 6.5 9.7#
80 15.9 7.2 10.8#

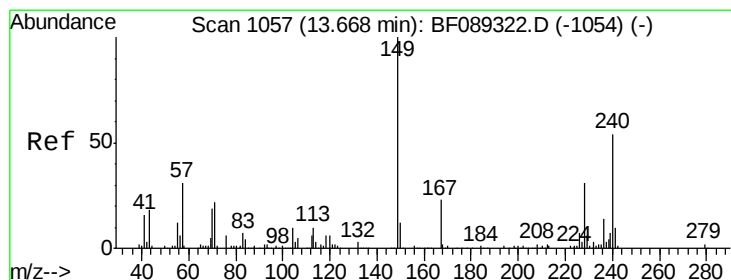
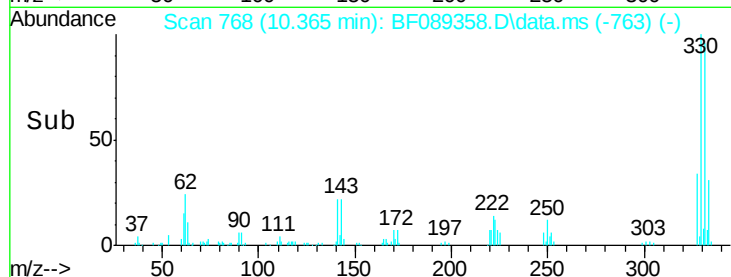
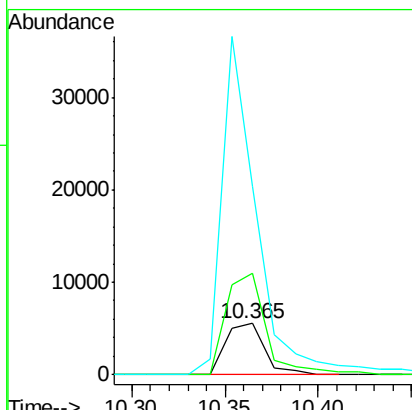
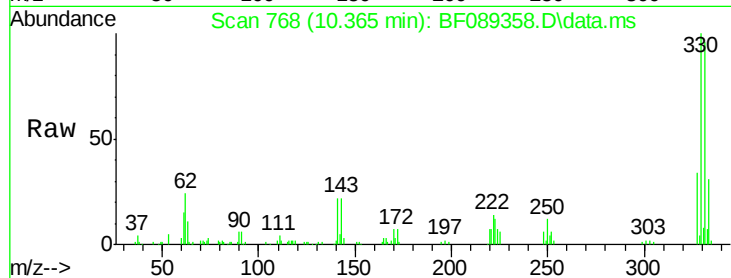




#66
4-Bromophenyl-phenylether
Concen: 4.81 ng
RT: 10.365 min Scan# 76
Delta R.T. -0.240 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

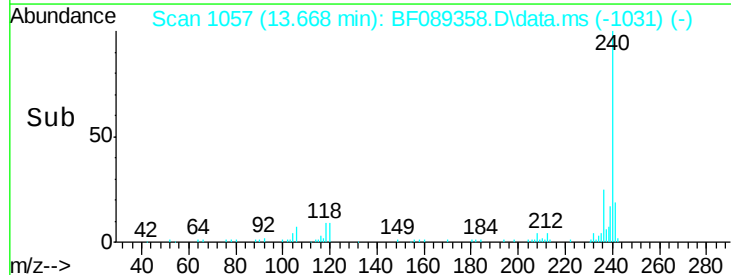
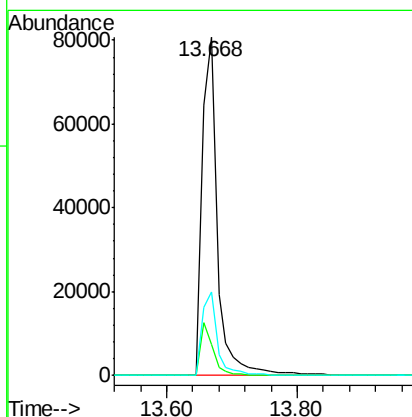
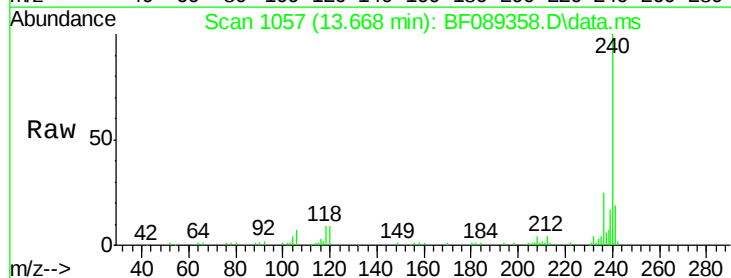
Instrument :
BNA_F
ClientSampleId :
I-5

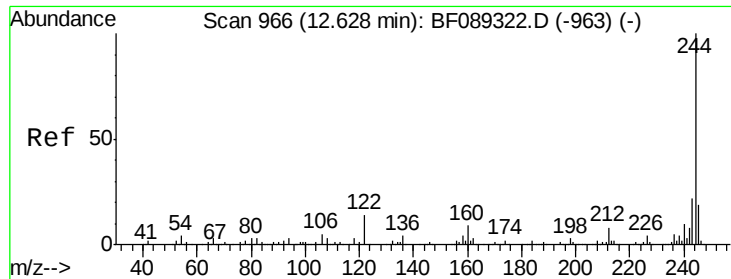
Tot Ion:248 Resp: 8017
Ion Ratio Lower Upper
248 100
250 197.1 78.2 117.2#
141 367.8 62.0 93.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.668 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BF089358.D
Acq: 28 Jul 2016 10:48

Tgt Ion:240 Resp: 128897
Ion Ratio Lower Upper
240 100
120 9.0 9.1 13.7#
236 24.7 20.6 30.8





#78

Terphenyl-d14

Concen: 96.80 ng

RT: 12.628 min Scan# 96

Delta R.T. 0.000 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Instrument :

BNA_F

ClientSampleId :

I-5

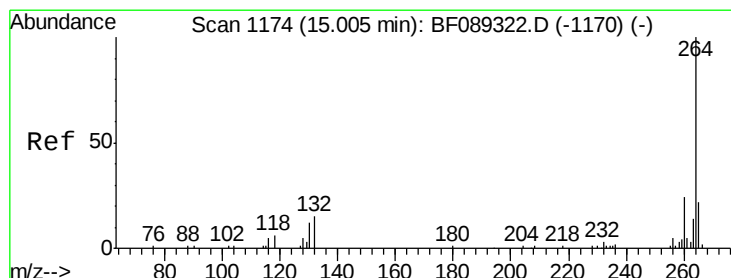
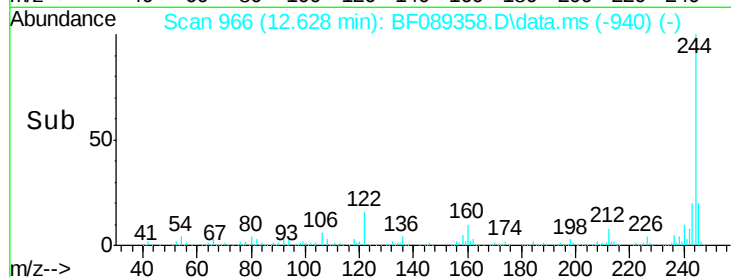
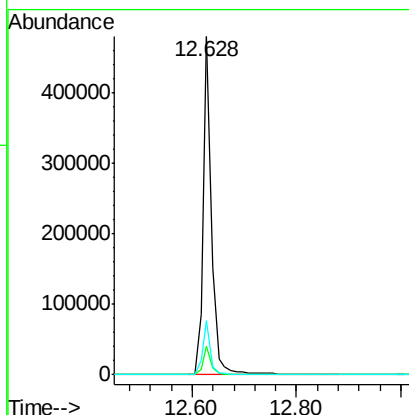
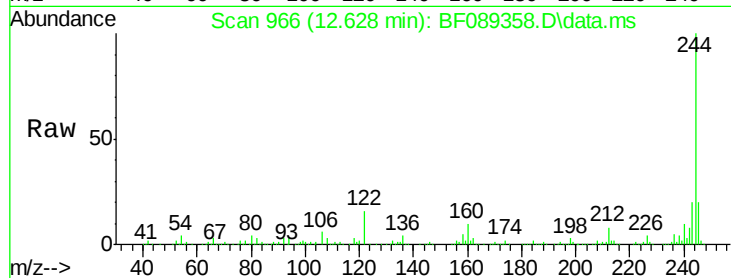
Tot Ion:244 Resp: 533114

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 15.8 11.4 17.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.005 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BF089358.D

Acq: 28 Jul 2016 10:48

Tgt Ion:264 Resp: 72799

Ion Ratio Lower Upper

264 100

260 25.9 19.0 28.4

265 21.3 17.5 26.3

