

Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
 Data File : BF089362.D
 Acq On : 28 Jul 2016 12:42
 Operator : UM/SJ
 Sample : H4155-22
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-13

Quant Time: Jul 28 13:05:39 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)	

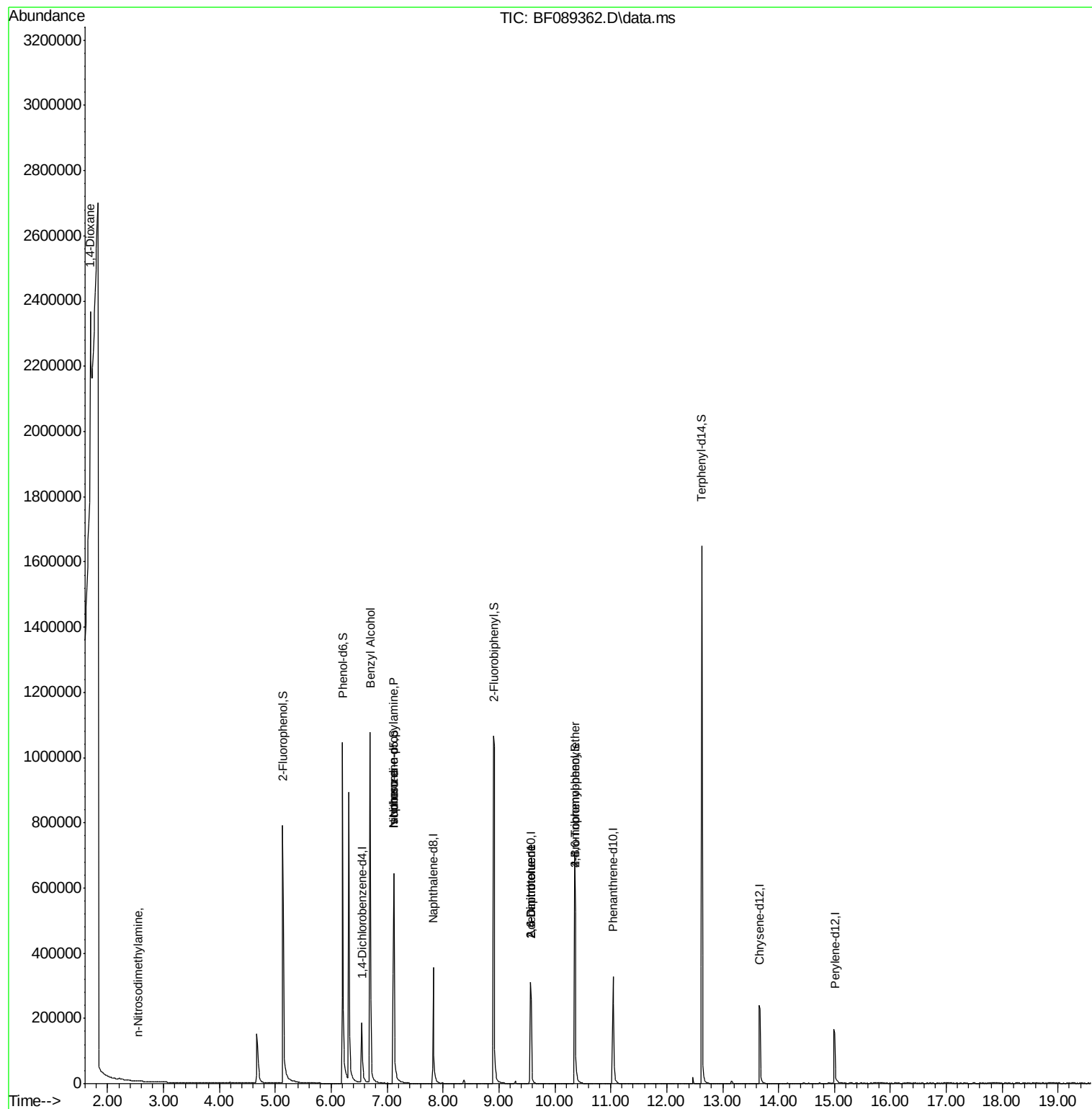
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.547	152	45124	20.00	ng	0.00	
21) Naphthalene-d8	7.827	136	210457	20.00	ng	0.00	
38) Acenaphthene-d10	9.565	164	95351	20.00	ng	-0.01	
63) Phenanthrene-d10	11.039	188	197197	20.00	ng	-0.01	
75) Chrysene-d12	13.668	240	142194	20.00	ng	0.00	
86) Perylene-d12	15.005	264	106087	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.130	112	364892	129.12	ng	0.02	
7) Phenol-d6	6.204	99	480463	128.65	ng	0.00	
23) Nitrobenzene-d5	7.119	82	339291	95.16	ng	0.00	
41) 2,4,6-Tribromophenol	10.365	330	115823	146.66	ng	0.00	
44) 2-Fluorobiphenyl	8.913	172	595386	91.64	ng	0.00	
78) Terphenyl-d14	12.628	244	546940	90.02	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	1.690	88	27954	20.08	ng	#	26
4) n-Nitrosodimethylamine	2.547	42	213	7.89	ng	#	1
15) Benzyl Alcohol	6.696	79	5441	2.35	ng	#	52
19) n-Nitroso-di-n-propyla...	7.119	70	43777	19.44	ng	#	78
25) Isophorone	7.119	82	250771	34.91	ng	#	67
50) 2,6-Dinitrotoluene	9.565	165	11396	7.64	ng	#	24
56) 2,4-Dinitrotoluene	9.565	165	11395	5.81	ng	#	7
66) 4-Bromophenyl-phenylether	10.365	248	8045	4.27	ng	#	1

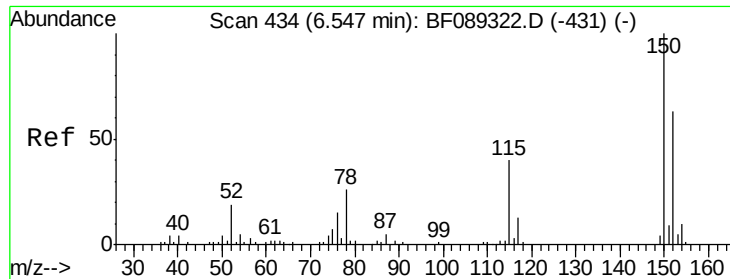
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampled :

I-13

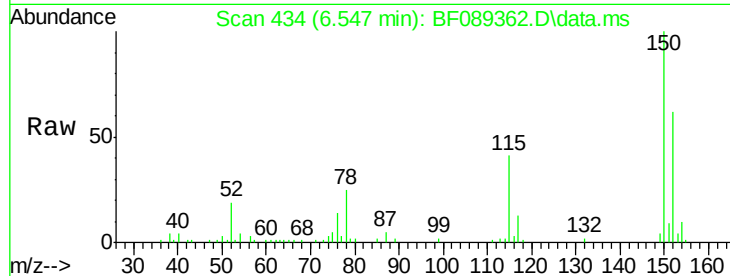
Tot Ion:152 Resp: 45124

Ion Ratio Lower Upper

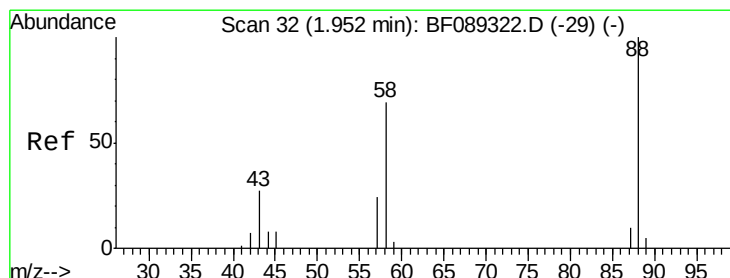
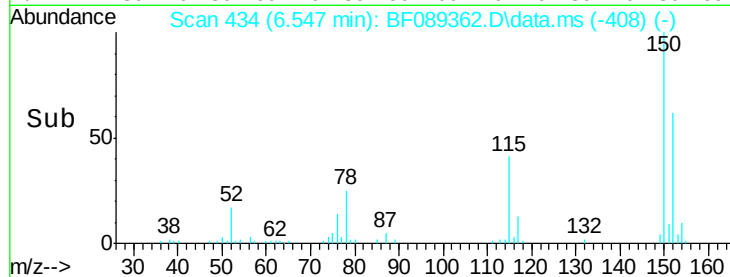
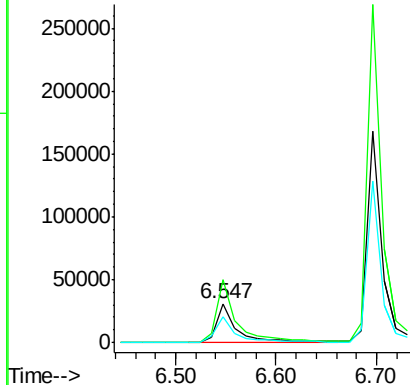
152 100

150 160.4 129.5 194.3

115 65.3 51.4 77.2



Abundance



#2

1,4-Dioxane

Concen: 20.08 ng

RT: 1.690 min Scan# 9

Delta R.T. -0.262 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

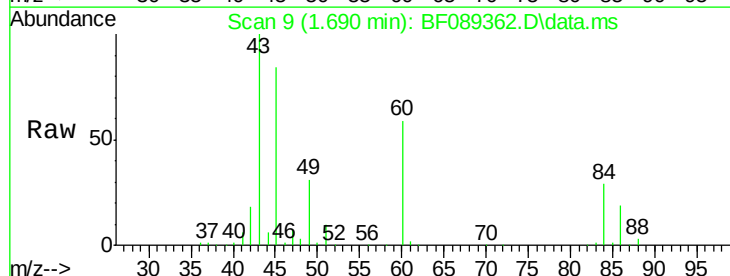
Tgt Ion: 88 Resp: 27954

Ion Ratio Lower Upper

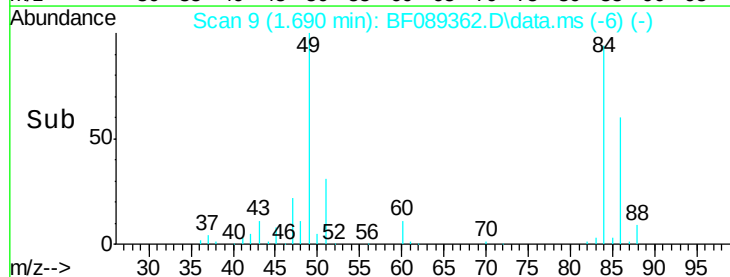
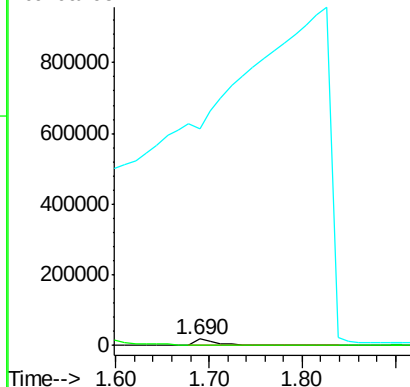
88 100

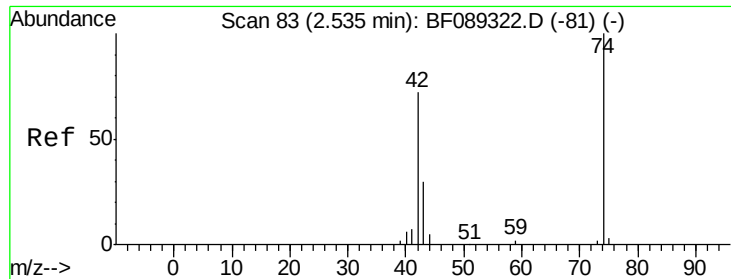
58 0.0 53.2 79.8#

43 0.0 20.6 31.0#



Abundance





#4

n-Nitrosodimethylamine

Concen: 7.89 ng

RT: 2.547 min Scan# 84

Delta R.T. 0.012 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampleId :

I-13

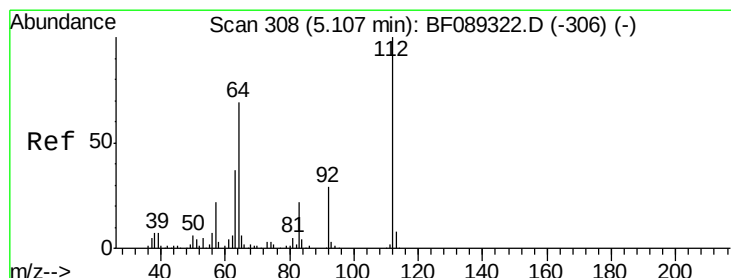
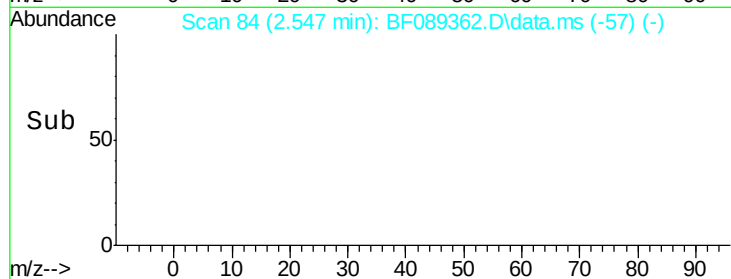
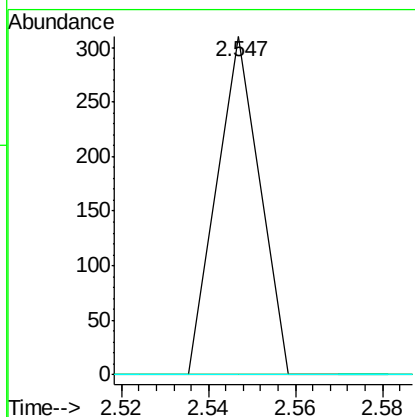
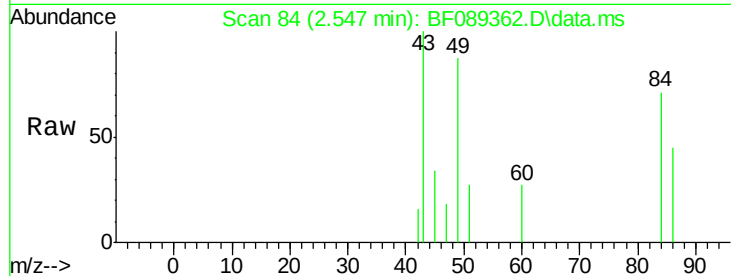
Tot Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



#5

2-Fluorophenol

Concen: 129.12 ng

RT: 5.130 min Scan# 310

Delta R.T. 0.023 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

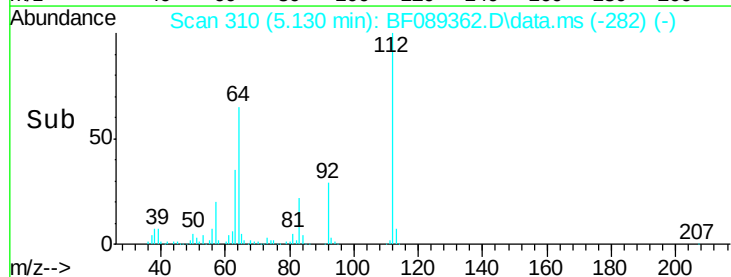
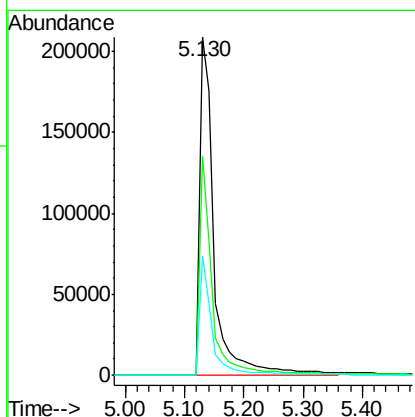
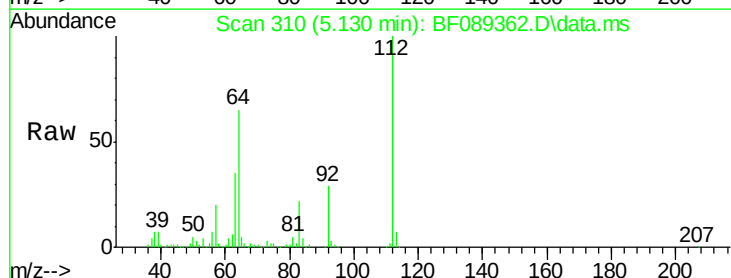
Tgt Ion: 112 Resp: 364892

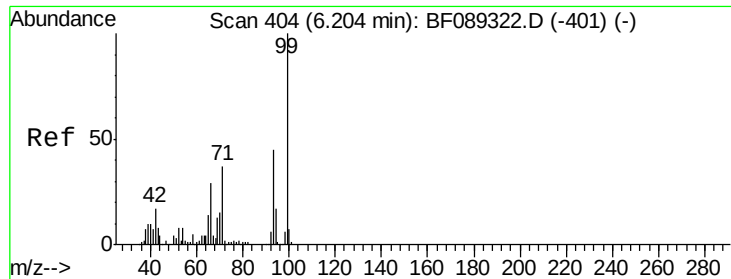
Ion Ratio Lower Upper

112 100

64 64.7 55.0 82.6

63 35.2 29.4 44.2





#7

Phenol-d6

Concen: 128.65 ng

RT: 6.204 min Scan# 404

Delta R.T. 0.000 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampleId :

I-13

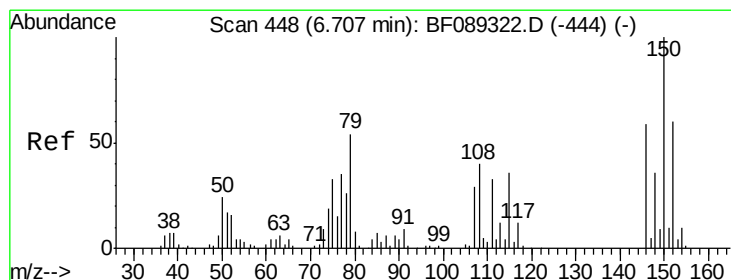
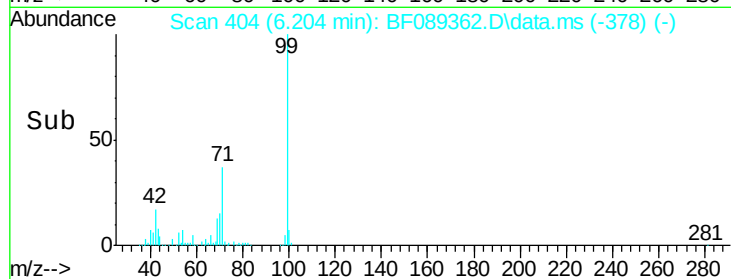
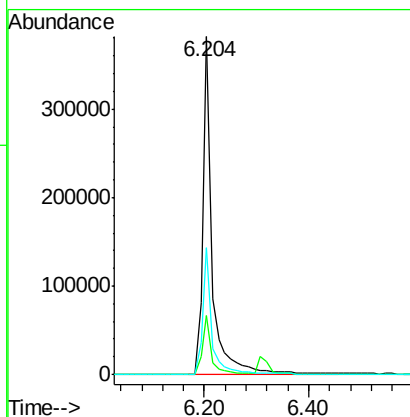
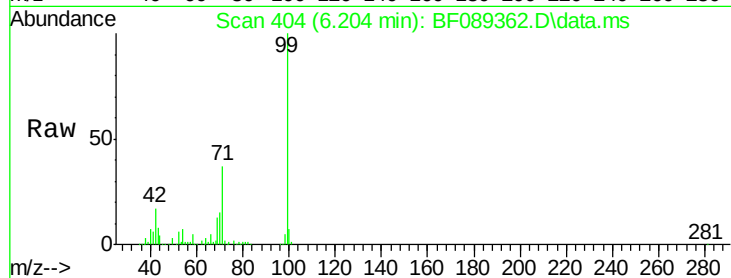
Tot Ion: 99 Resp: 480463

Ion Ratio Lower Upper

99 100

42 17.4 13.6 20.4

71 37.4 29.4 44.2



#15

Benzyl Alcohol

Concen: 2.35 ng

RT: 6.696 min Scan# 447

Delta R.T. -0.011 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

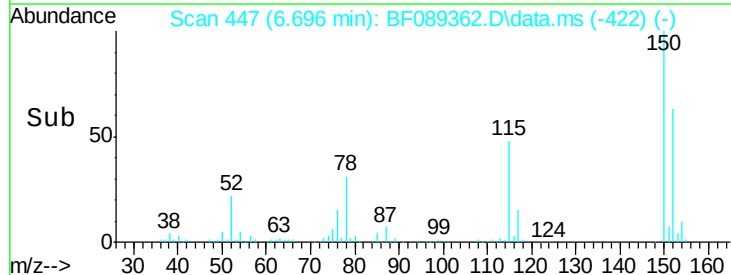
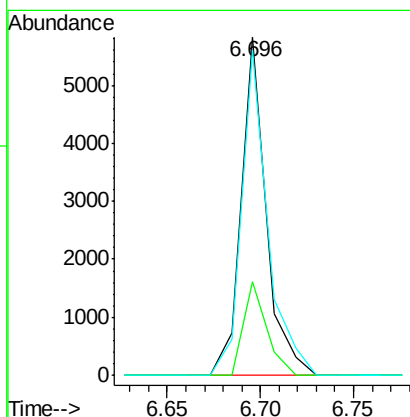
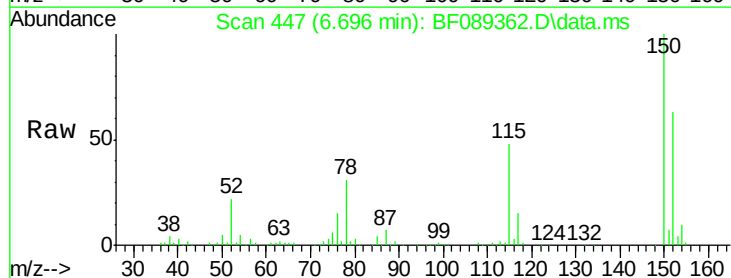
Tgt Ion: 79 Resp: 5441

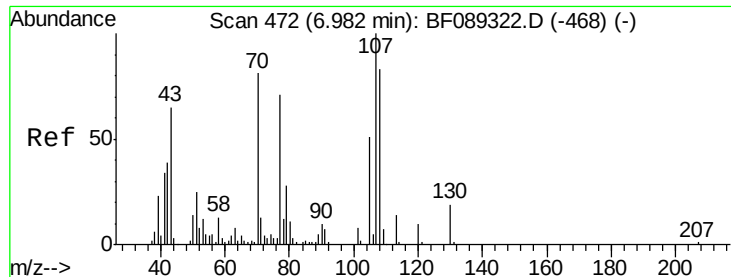
Ion Ratio Lower Upper

79 100

108 27.6 59.8 89.6#

77 96.3 51.7 77.5#

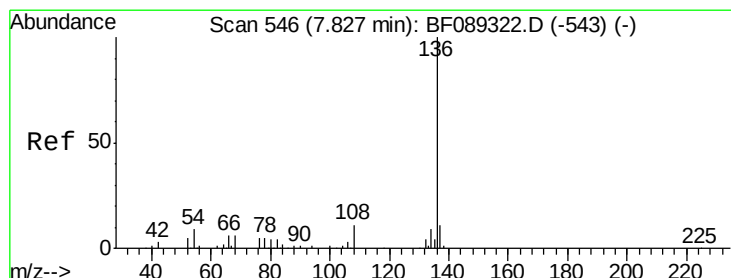
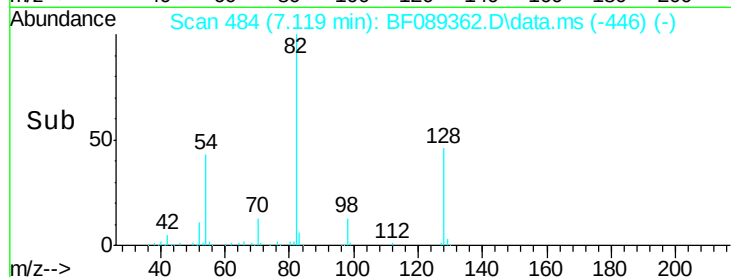
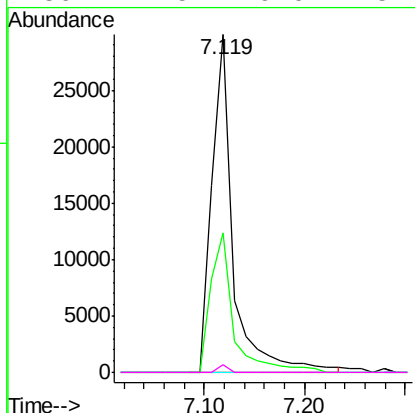
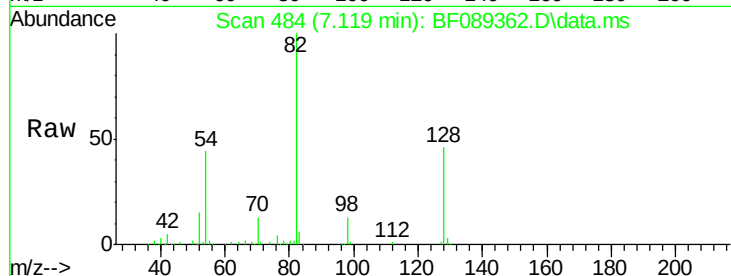




#19
n-Nitroso-di-n-propylamine
Concen: 19.44 ng
RT: 7.119 min Scan# 48
Delta R.T. 0.137 min
Lab File: BF089362.D
Acq: 28 Jul 2016 12:42

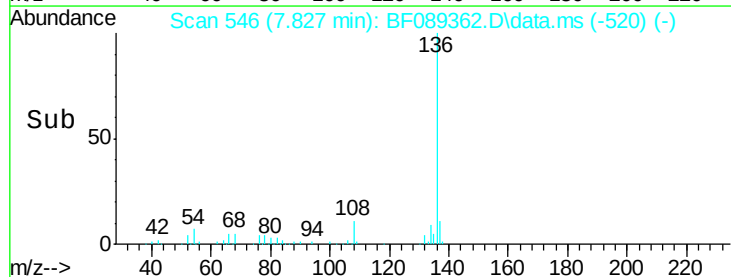
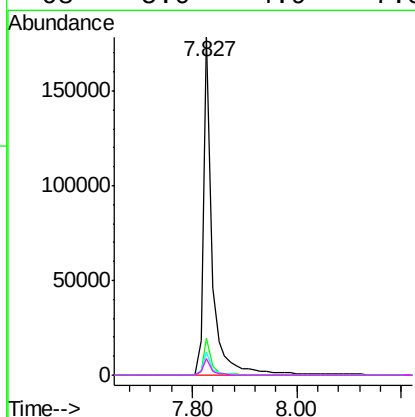
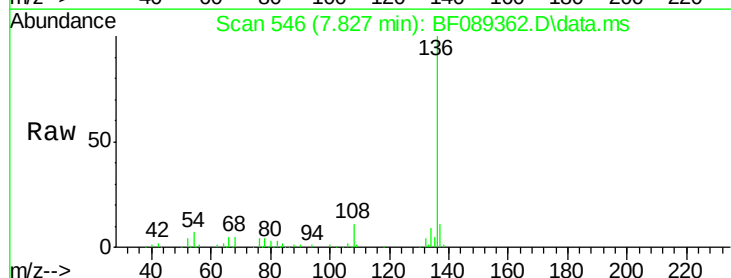
Instrument :
BNA_F
ClientSampleId :
I-13

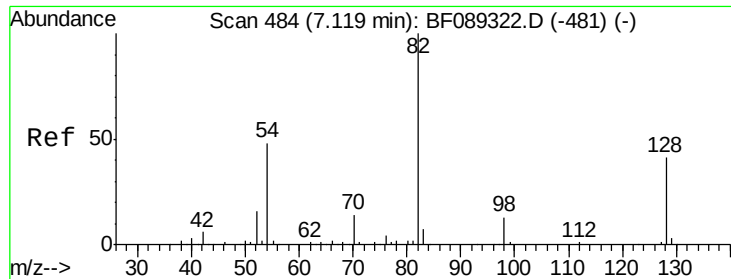
Tot Ion: 70 Resp: 43777
Ion Ratio Lower Upper
70 100
42 41.4 38.6 57.8
101 0.0 8.3 12.5#
130 2.5 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.827 min Scan# 546
Delta R.T. 0.000 min
Lab File: BF089362.D
Acq: 28 Jul 2016 12:42

Tgt Ion: 136 Resp: 210457
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 6.9 7.0 10.4#
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 95.16 ng

RT: 7.119 min Scan# 481

Delta R.T. 0.000 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampleId :

I-13

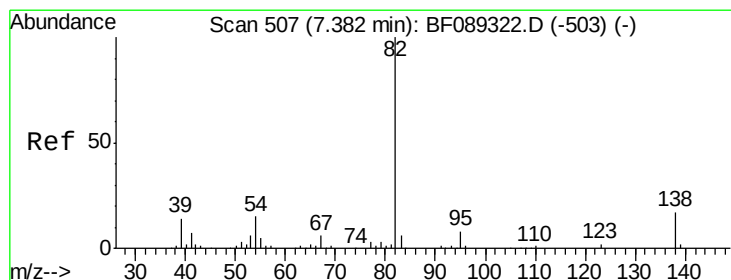
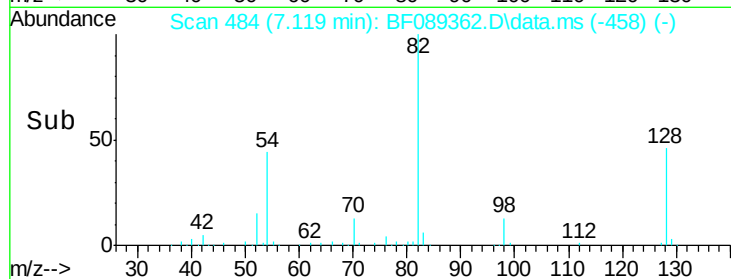
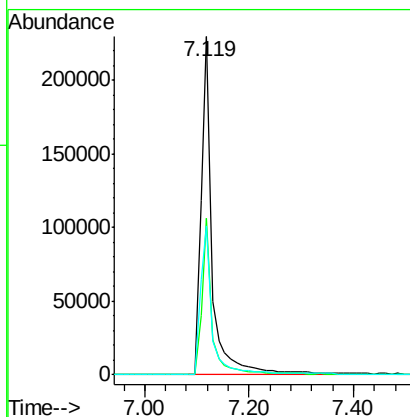
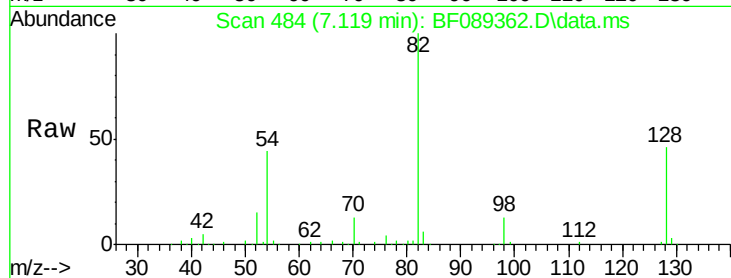
Tot Ion: 82 Resp: 339291

Ion Ratio Lower Upper

82 100

128 46.1 32.5 48.7

54 44.1 38.8 58.2



#25

Isophorone

Concen: 34.91 ng

RT: 7.119 min Scan# 484

Delta R.T. -0.263 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

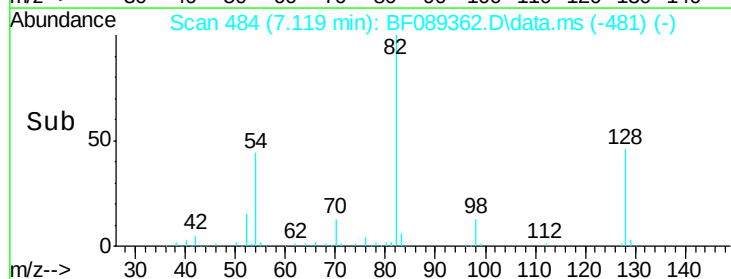
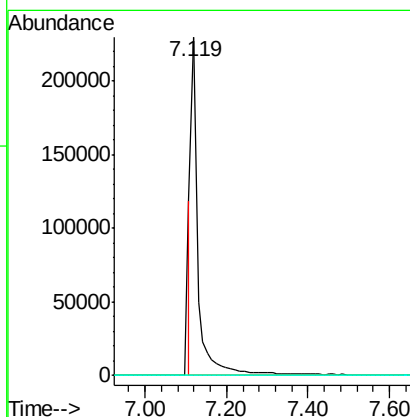
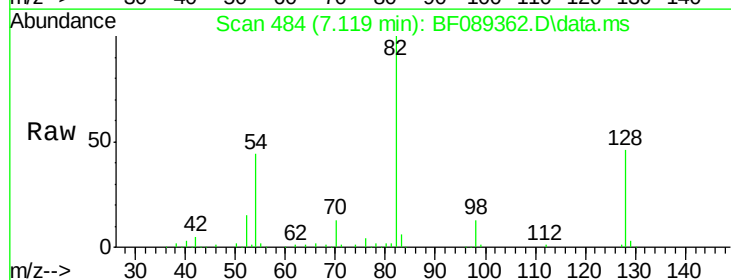
Tgt Ion: 82 Resp: 250771

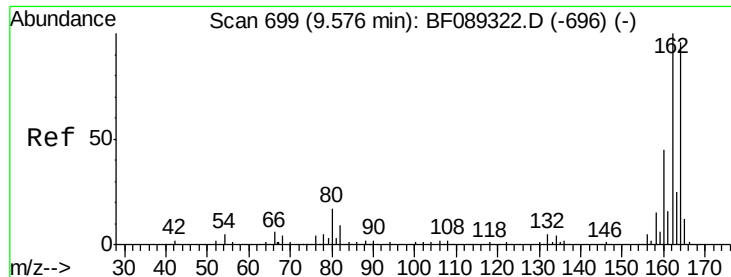
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.565 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampleId :

I-13

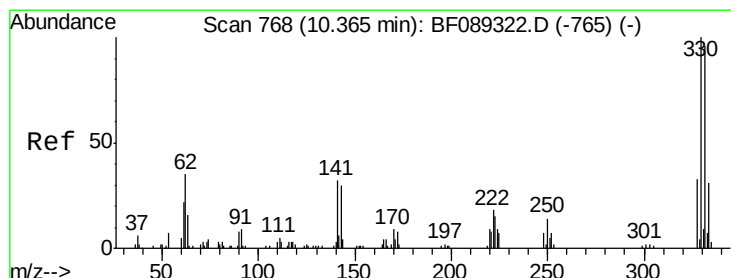
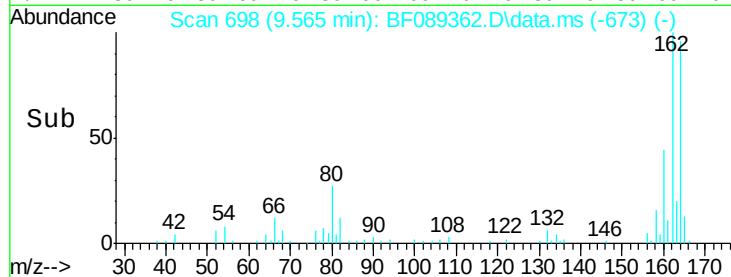
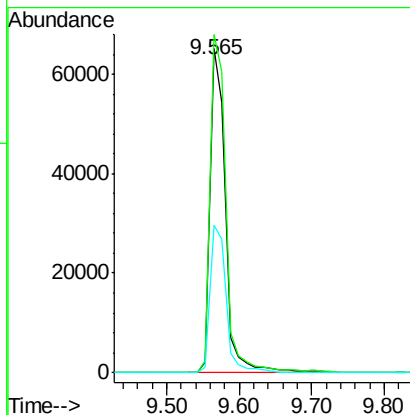
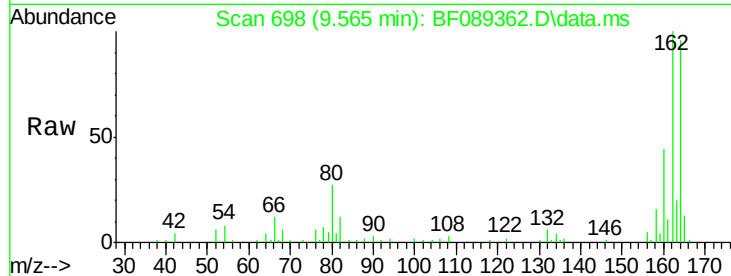
Tot Ion:164 Resp: 95351

Ion Ratio Lower Upper

164 100

162 104.3 83.7 125.5

160 45.7 37.8 56.6



#41

2,4,6-Tribromophenol

Concen: 146.66 ng

RT: 10.365 min Scan# 768

Delta R.T. 0.000 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

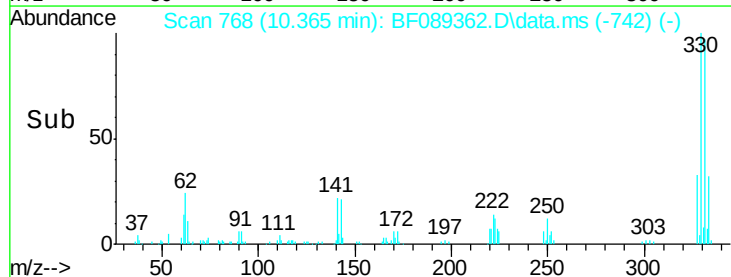
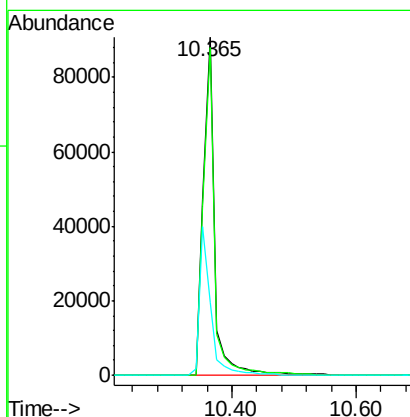
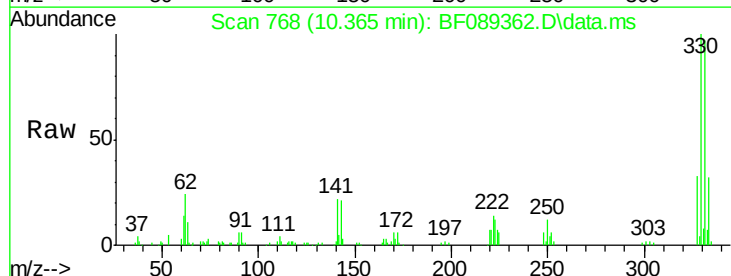
Tgt Ion:330 Resp: 115823

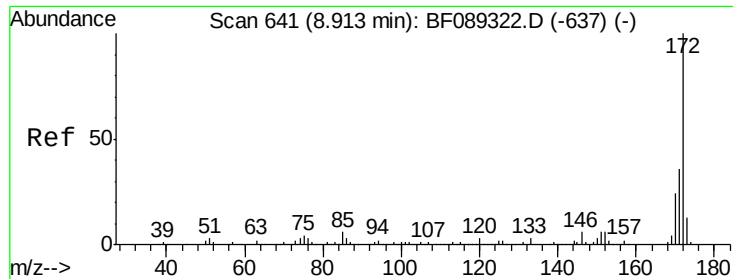
Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

141 43.2 37.3 55.9

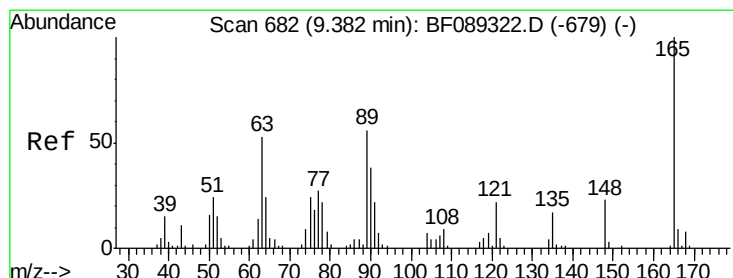
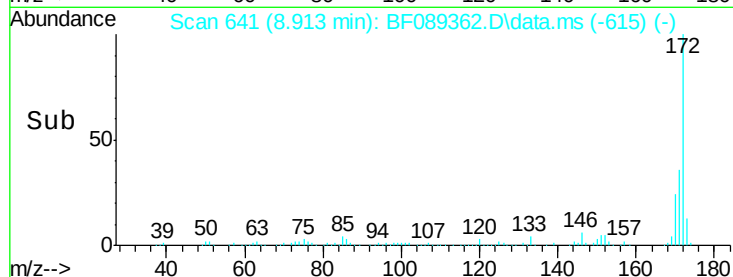
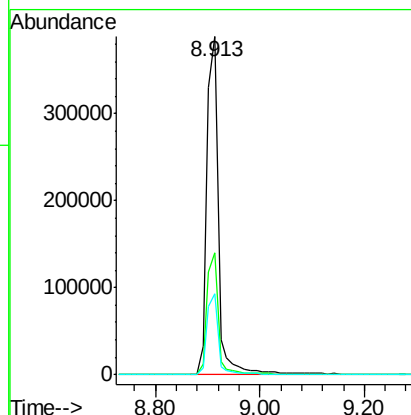
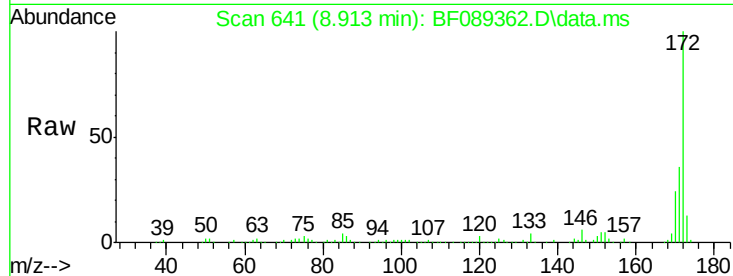




#44
 2-Fluorobiphenyl
 Concen: 91.64 ng
 RT: 8.913 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: BF089362.D
 Acq: 28 Jul 2016 12:42

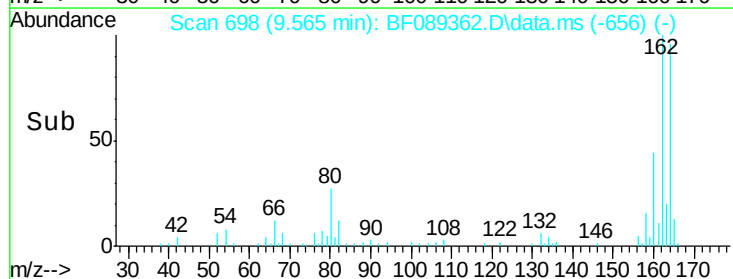
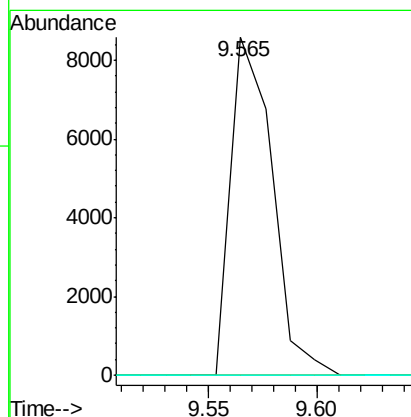
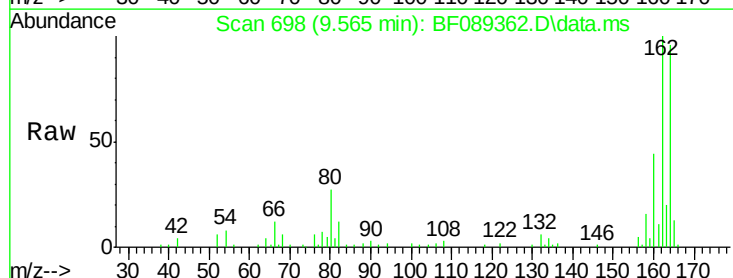
Instrument :
 BNA_F
 ClientSampleId :
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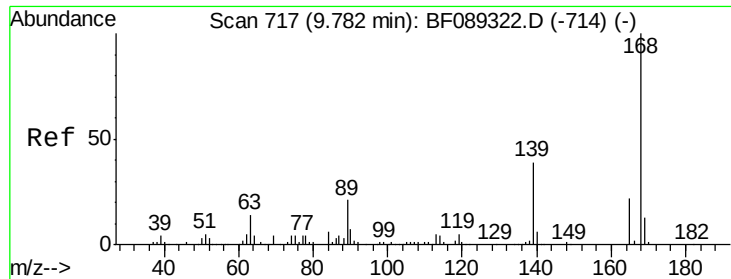
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.2	43.8
170	23.8	19.2	28.8



#50
 2,6-Dinitrotoluene
 Concen: 7.64 ng
 RT: 9.565 min Scan# 698
 Delta R.T. 0.183 min
 Lab File: BF089362.D
 Acq: 28 Jul 2016 12:42

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

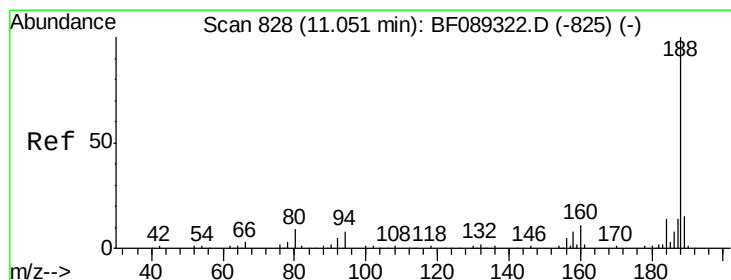
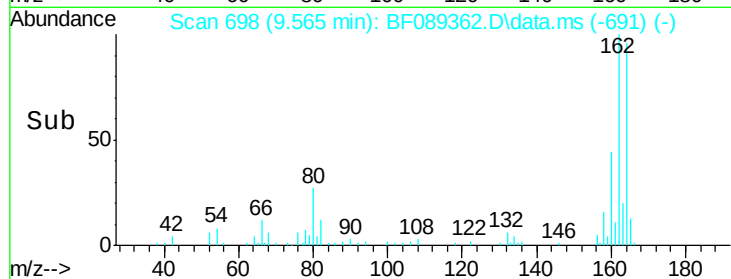
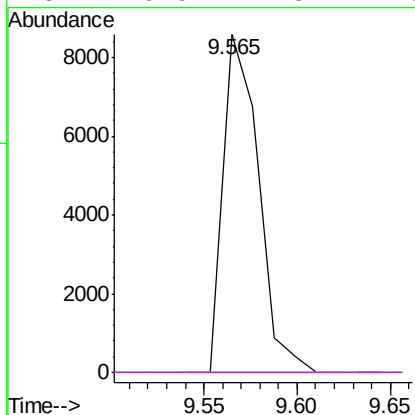
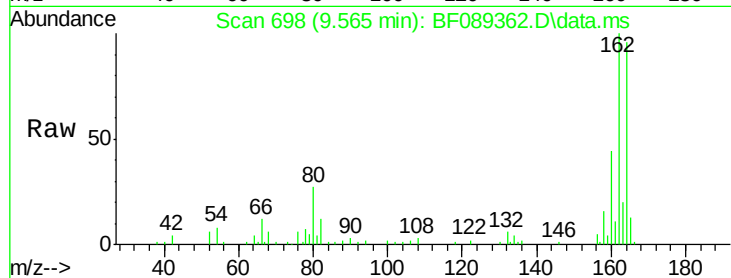




#56
 2,4-Dinitrotoluene
 Concen: 5.81 ng
 RT: 9.565 min Scan# 69
 Delta R.T. -0.217 min
 Lab File: BF089362.D
 Acq: 28 Jul 2016 12:42

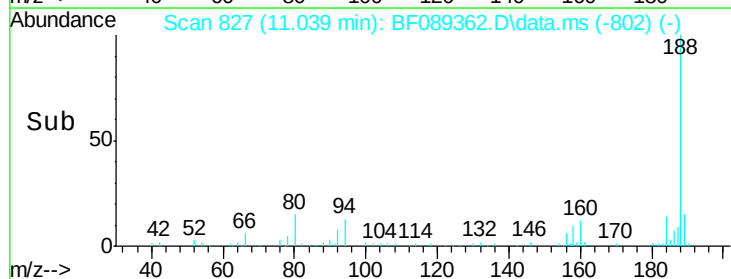
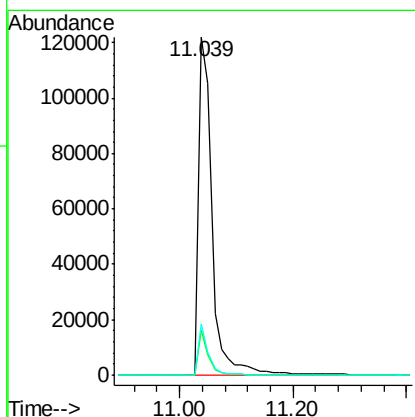
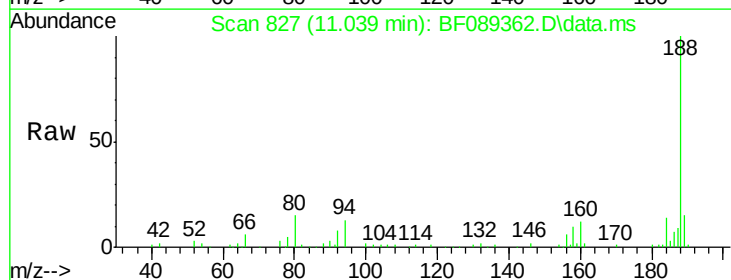
Instrument :
 BNA_F
 ClientSampleId :
 I-13

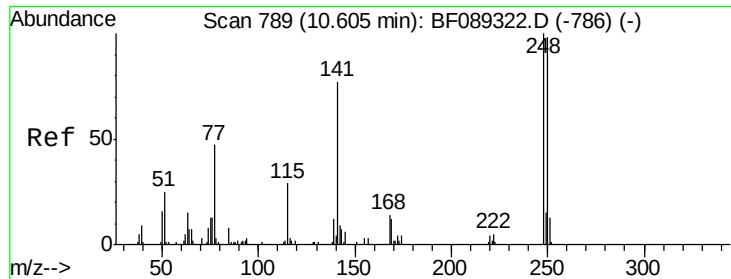
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	58.2	87.2#
89	0.0	79.1	118.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.039 min Scan# 827
 Delta R.T. -0.011 min
 Lab File: BF089362.D
 Acq: 28 Jul 2016 12:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.1	6.5	9.7#
80	15.3	7.2	10.8#

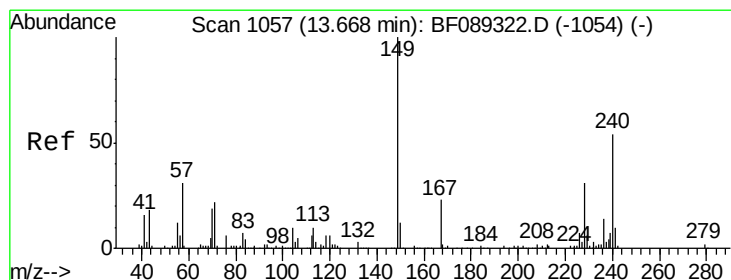
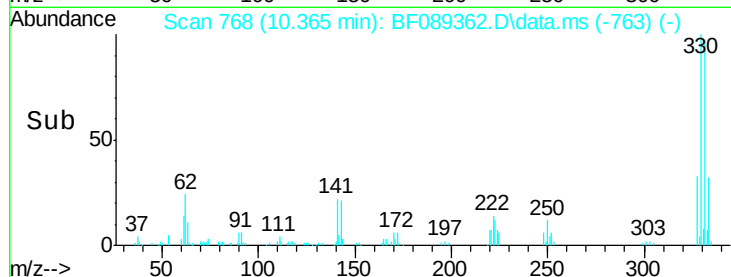
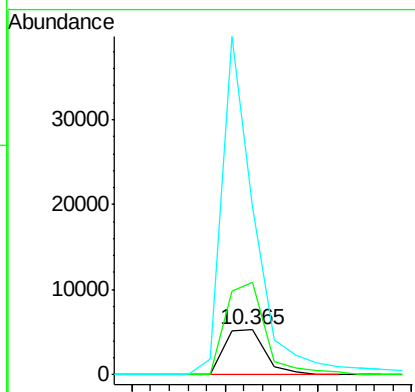
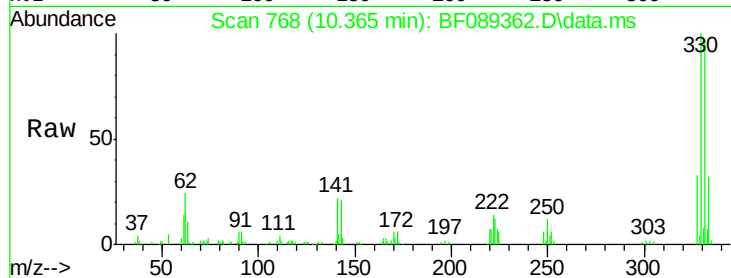




#66
4-Bromophenyl-phenylether
Concen: 4.27 ng
RT: 10.365 min Scan# 76
Delta R.T. -0.240 min
Lab File: BF089362.D
Acq: 28 Jul 2016 12:42

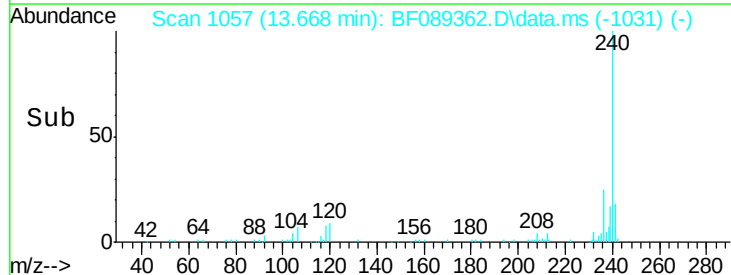
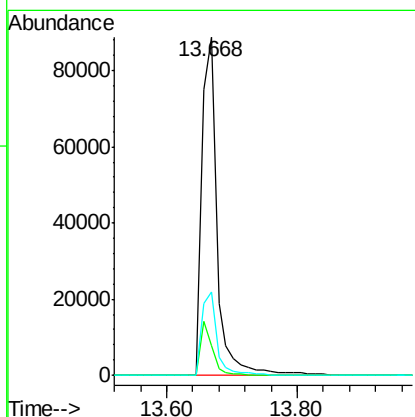
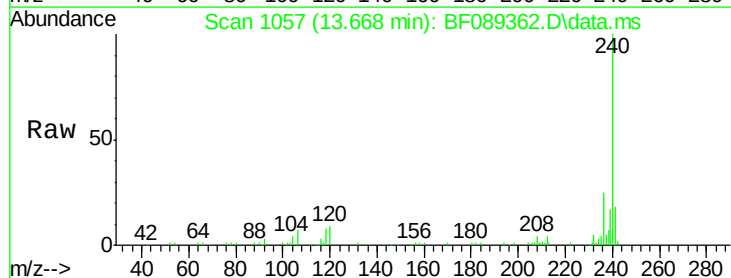
Instrument :
BNA_F
ClientSampleId :
I-13

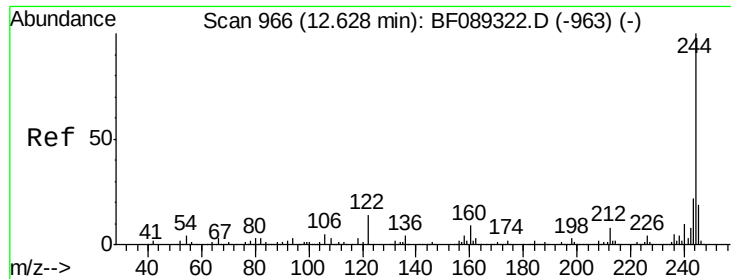
Tot Ion:248 Resp: 8045
Ion Ratio Lower Upper
248 100
250 205.6 78.2 117.2#
141 375.6 62.0 93.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.668 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BF089362.D
Acq: 28 Jul 2016 12:42

Tgt Ion:240 Resp: 142194
Ion Ratio Lower Upper
240 100
120 8.9 9.1 13.7#
236 24.8 20.6 30.8





#78

Terphenyl-d14

Concen: 90.02 ng

RT: 12.628 min Scan# 966

Delta R.T. 0.000 min

Lab File: BF089362.D

Acq: 28 Jul 2016 12:42

Instrument :

BNA_F

ClientSampleId :

I-13

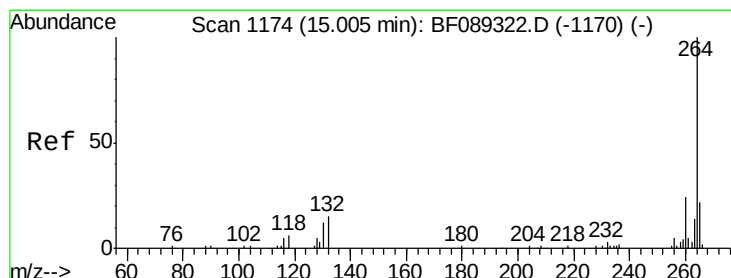
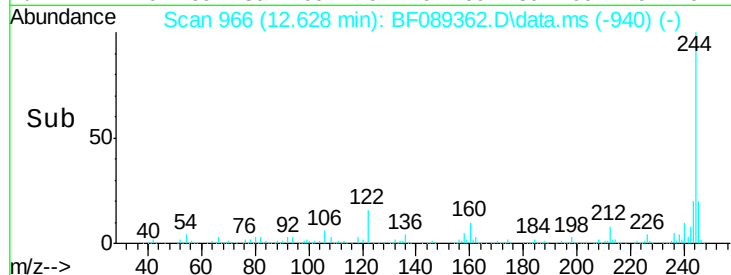
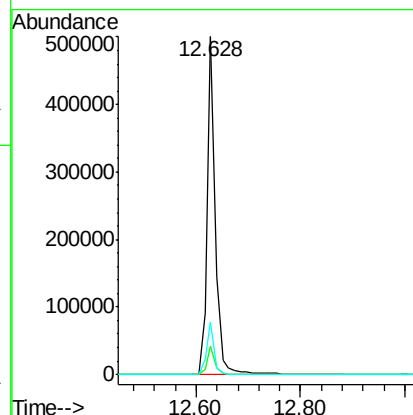
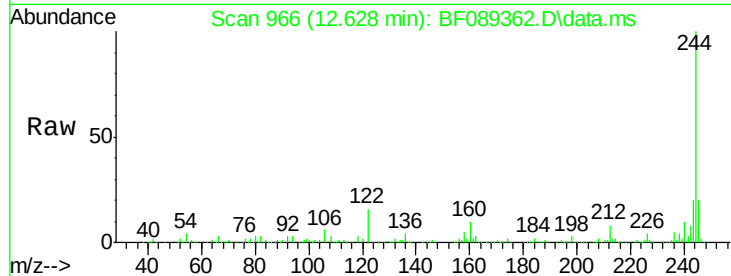
Tot Ion:244 Resp: 546940

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

122 15.6 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: BF089362.D

Acq: 28 Jul 2016 12:42

Tgt Ion:264 Resp: 106087

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 21.3 17.5 26.3

