

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062316\
 Data File : BF088323.D
 Acq On : 24 Jun 2016 9:01
 Operator : UM/SJ
 Sample : H3084-14RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 24 13:04:14 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

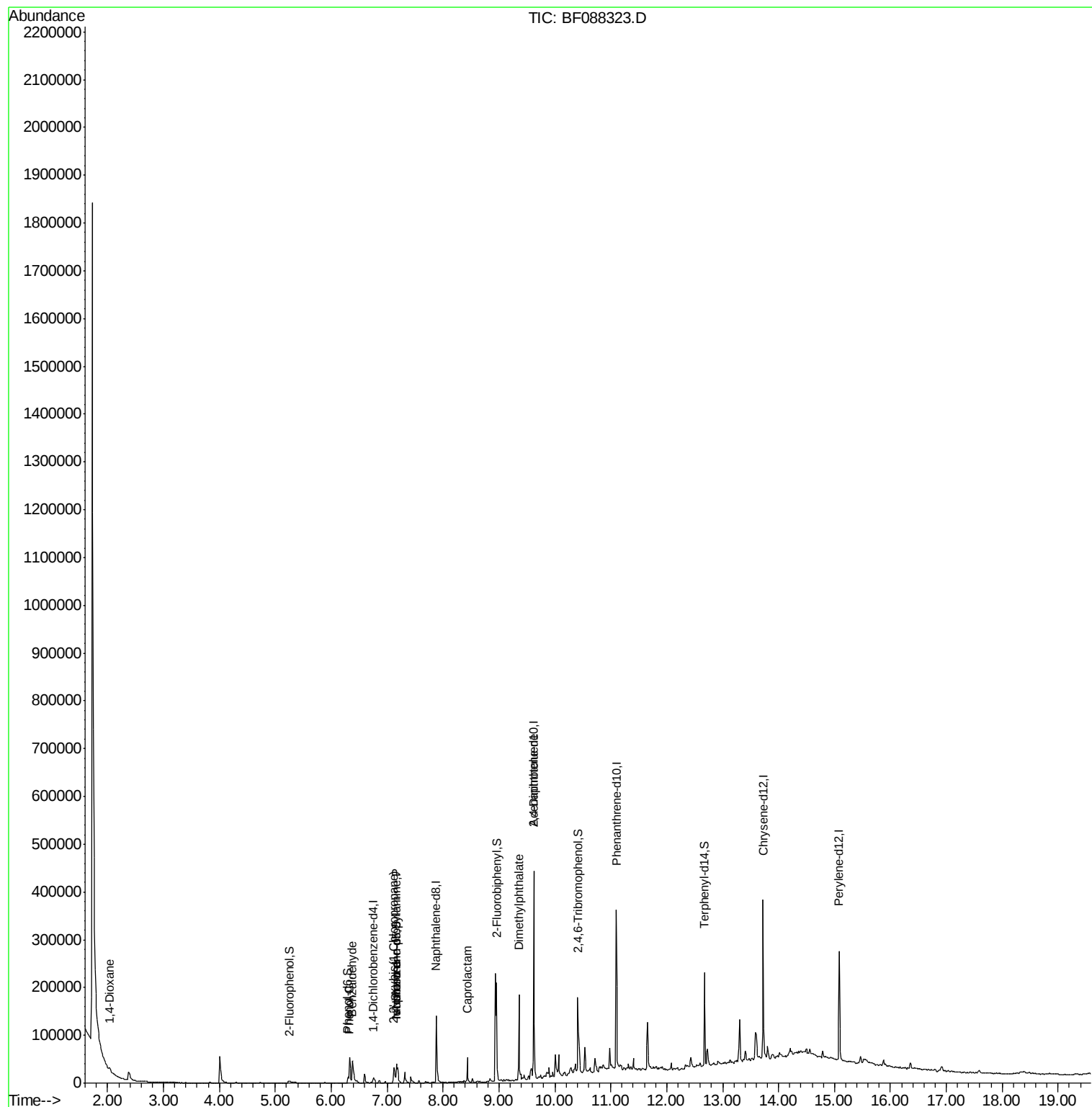
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	4086	20.00	ng	0.15
21) Naphthalene-d8	7.87	136	109409	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	87928	20.00	ng	-0.02
63) Phenanthrene-d10	11.10	188	145851	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	105498	20.00	ng	-0.02
86) Perylene-d12	15.09	264	90674	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	12534	52.44	ng	0.07
7) Phenol-d6	6.30	99	21455	74.07	ng	0.03
23) Nitrobenzene-d5	7.16	82	19966	10.66	ng	-0.01
41) 2,4,6-Tribromophenol	10.41	330	21621	23.29	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	76893	8.77	ng	-0.01
78) Terphenyl-d14	12.67	244	75443	16.27	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	2.03	88	12196	105.01	ng	# 78
9) Benzaldehyde	6.38	77	480	2.45	ng	# 1
10) Phenol	6.32	94	1349	2.14	ng	# 54
16) 2,2'-oxybis(1-Chloropropan	7.12	45	2825	8.23	ng	# 65
19) n-Nitroso-di-n-propylamine	7.16	70	2254	12.16	ng	# 88
25) Isophorone	7.16	82	19966	5.75	ng	# 65
35) Caprolactam	8.43	113	1841	3.72	ng	# 55
49) Dimethylphthalate	9.36	163	78607	12.34	ng	# 99
56) 2,4-Dinitrotoluene	9.62	165	11205	5.98	ng	# 36
57) Fluorene	10.41	166	1298	Below Cal		# 90

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

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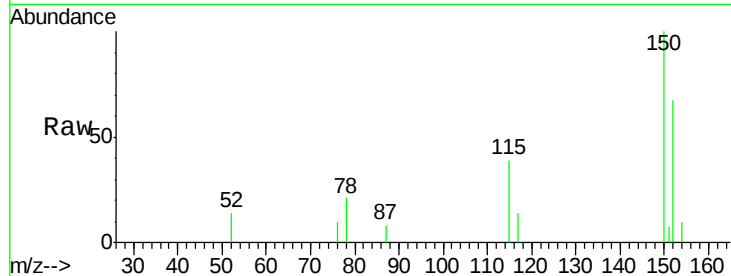




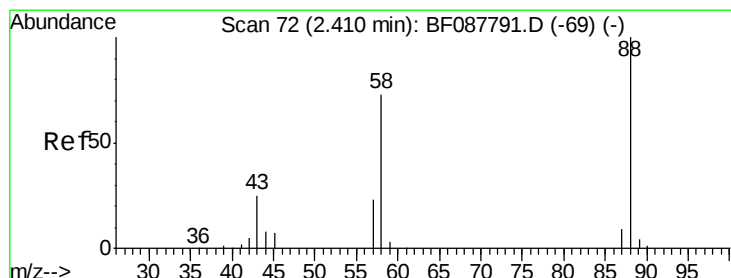
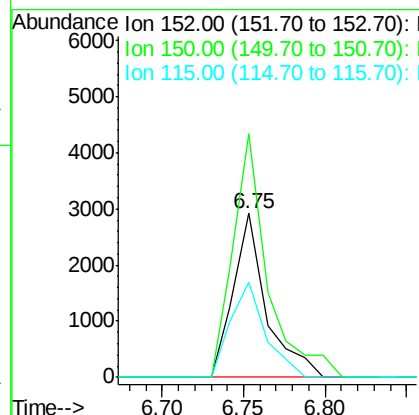
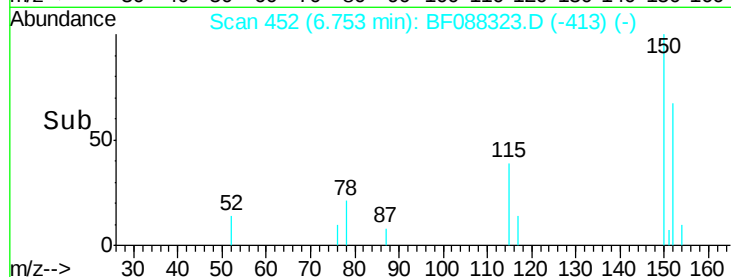
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 452
 Delta R.T. 0.15 min
 Lab File: BF088323.D
 Acq: 24 Jun 2016 9:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 4086
 Ion Ratio Lower Upper
 152 100
 150 148.5 123.8 185.6
 115 58.0 39.6 59.4

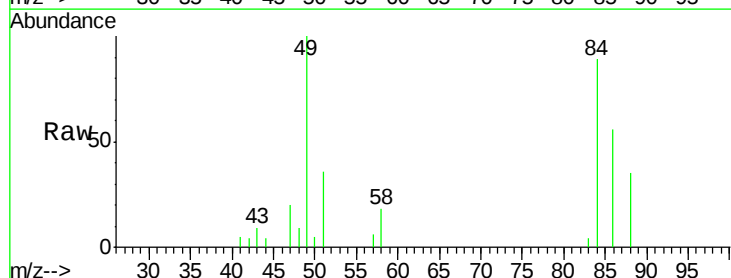


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

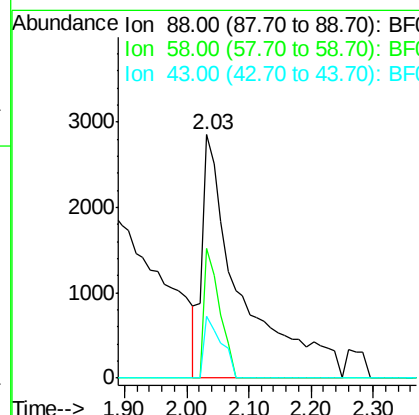
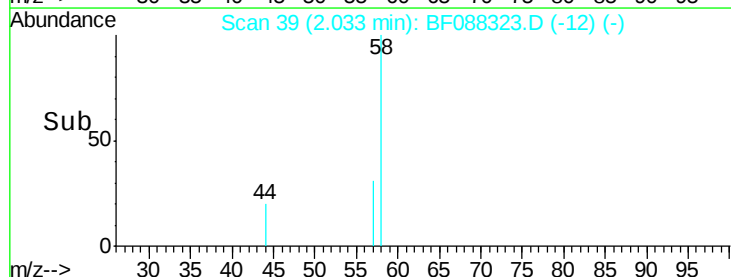


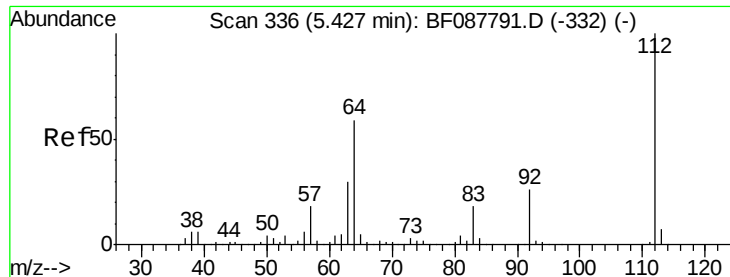
#2
 1,4-Dioxane
 Concen: 105.01 ng
 RT: 2.03 min Scan# 39
 Delta R.T. 0.01 min
 Lab File: BF088323.D
 Acq: 24 Jun 2016 9:01

Tgt Ion: 88 Resp: 12196
 Ion Ratio Lower Upper
 88 100
 58 21.8 0.0 0.0#
 43 11.5 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 52.44 ng

RT: 5.24 min Scan# 320

Delta R.T. 0.07 min

Lab File: BF088323.D

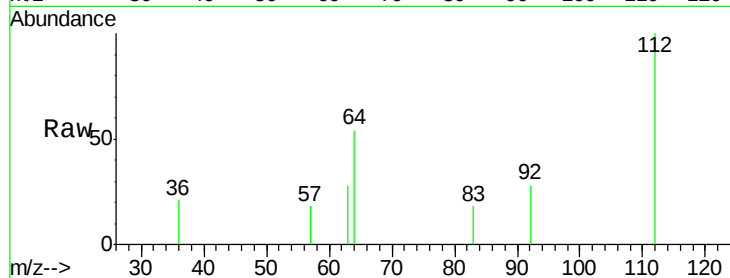
Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampled :

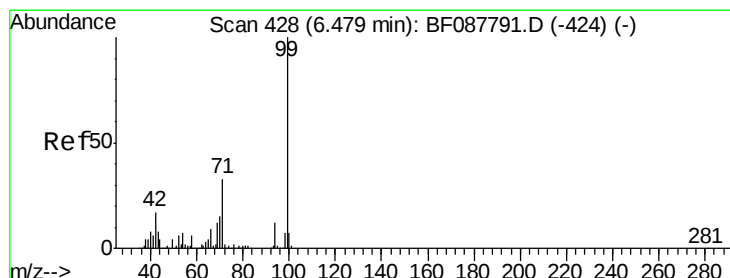
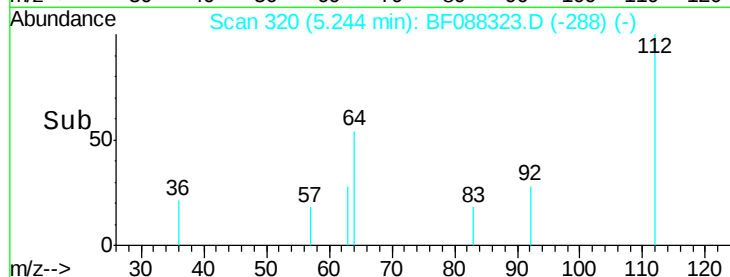
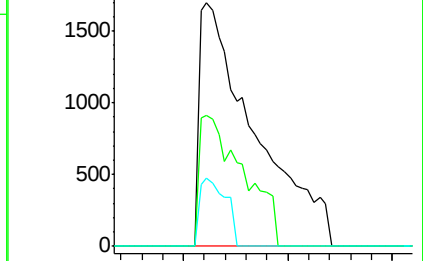
Tot Ion:	112	Resp:	12534
Ion	Ratio	Lower	Upper
112	100		
64	53.7	42.2	63.2
63	28.2	21.8	32.8



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: 74.07 ng

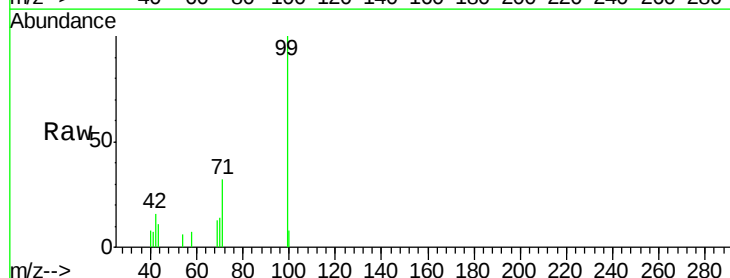
RT: 6.30 min Scan# 412

Delta R.T. 0.03 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

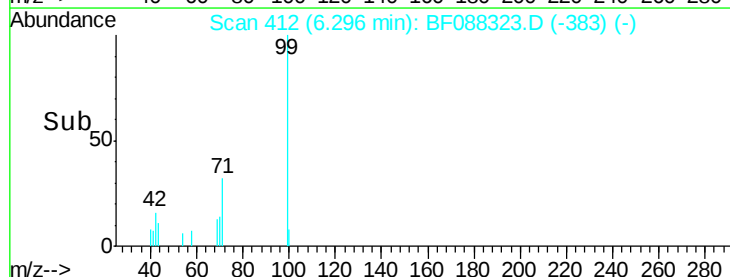
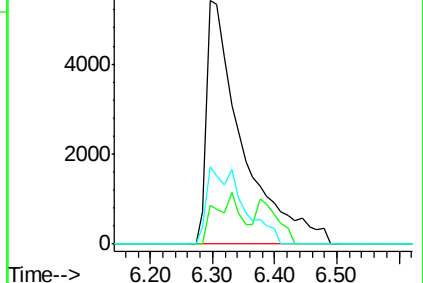
Tgt Ion:	99	Resp:	21455
Ion	Ratio	Lower	Upper
99	100		
42	16.1	12.2	18.2
71	31.9	23.4	35.0

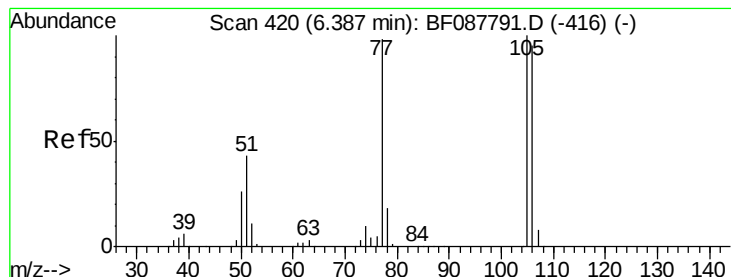


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyd

Concen: 2.45 ng

RT: 6.38 min Scan# 419

Delta R.T. 0.23 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampled :

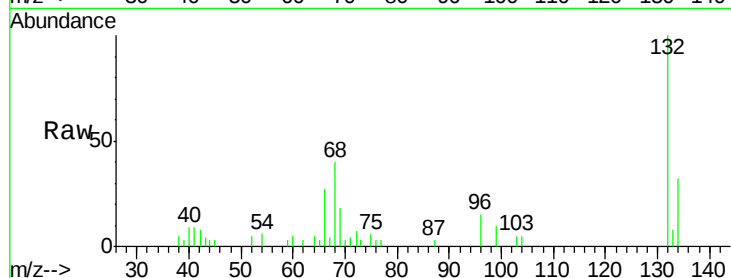
Tot Ion: 77 Resp: 480

Ion Ratio Lower Upper

77 100

105 0.0 90.6 130.6#

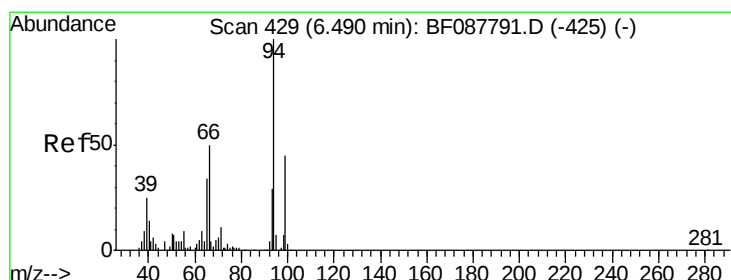
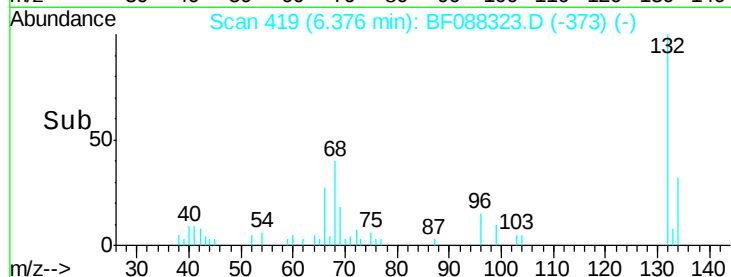
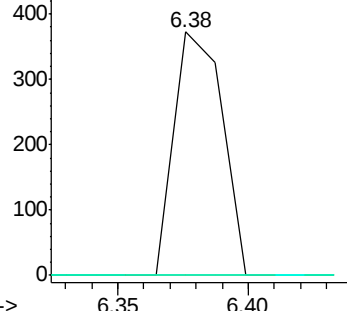
106 0.0 85.3 125.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 2.14 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.05 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

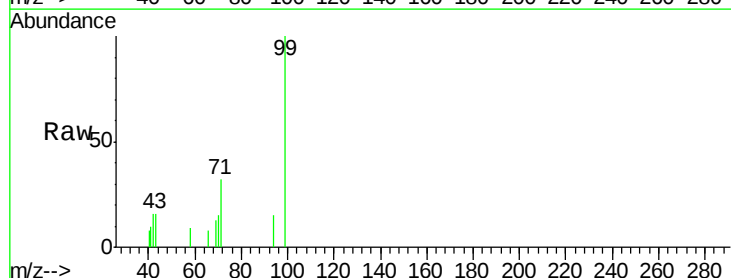
Tgt Ion: 94 Resp: 1349

Ion Ratio Lower Upper

94 100

65 0.0 5.9 45.9#

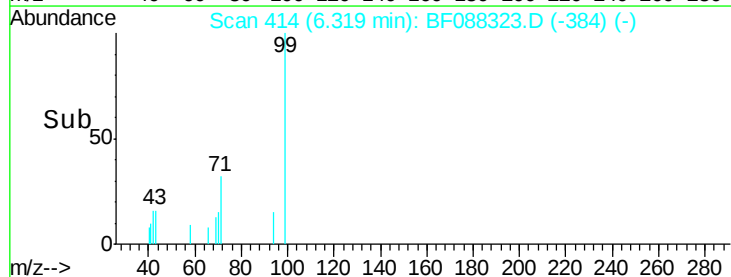
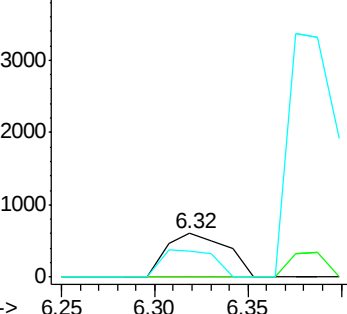
66 58.3 14.0 54.0#

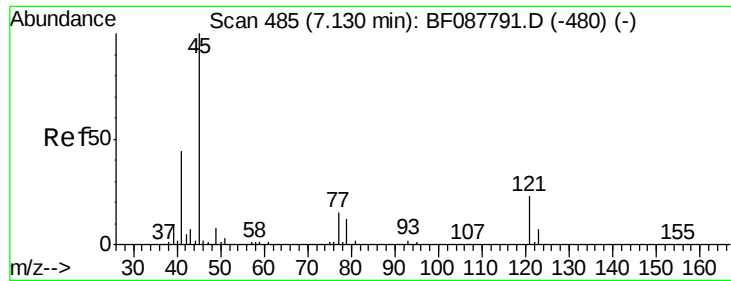


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

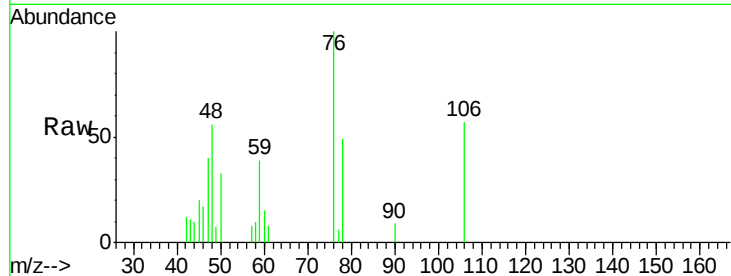




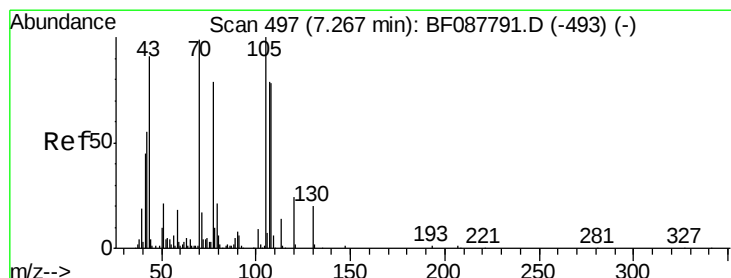
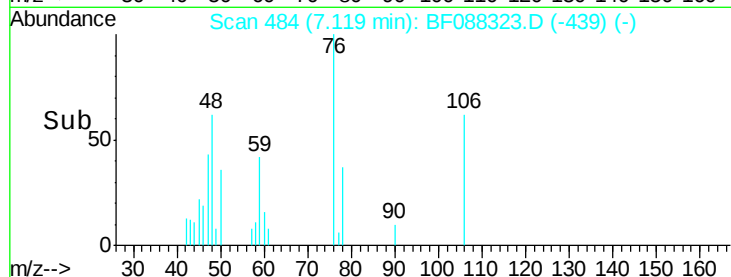
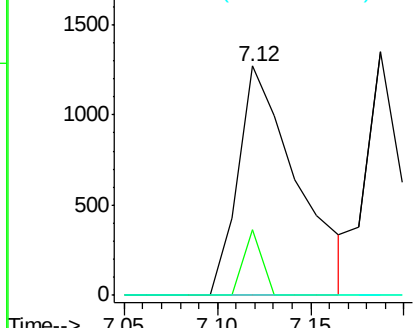
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 8.23 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.22 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 45 Resp: 2825
Ion Ratio Lower Upper
45 100
77 28.7 0.0 32.5
79 0.0 0.0 29.5

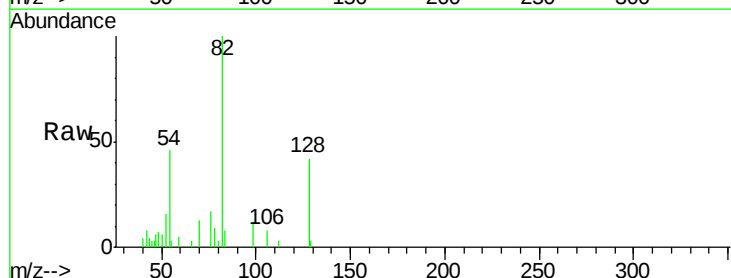


Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

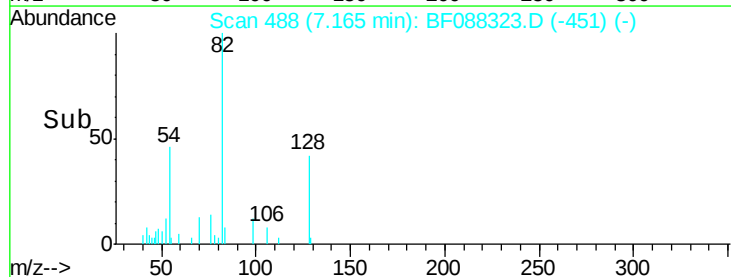
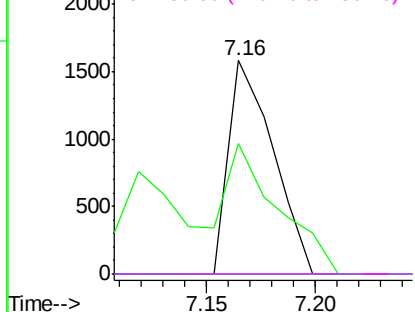


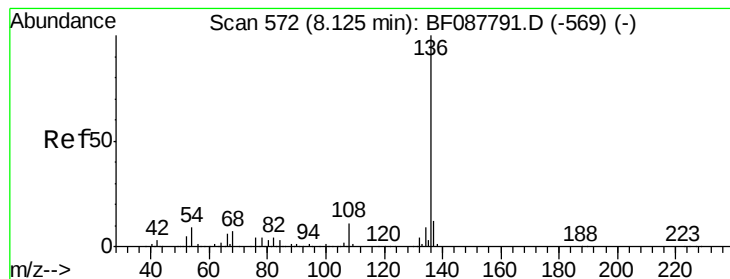
#19
n-Nitroso-di-n-propylamine
Concen: 12.16 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Tgt Ion: 70 Resp: 2254
Ion Ratio Lower Upper
70 100
42 61.2 49.6 74.4
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 550

Delta R.T. -0.02 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 109409

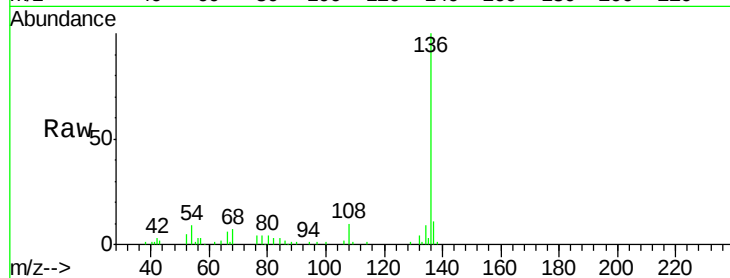
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.8 6.6 10.0

68 6.6 5.1 7.7

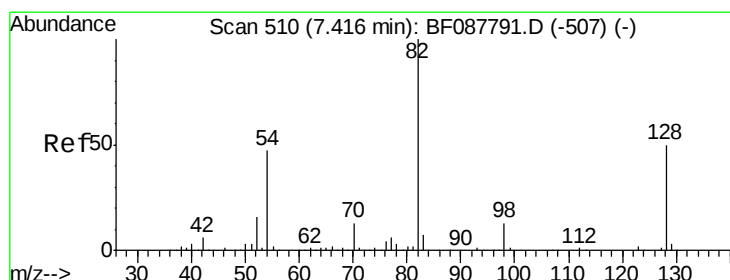
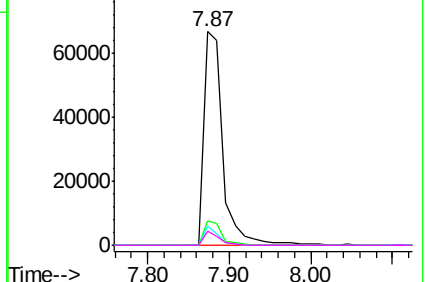
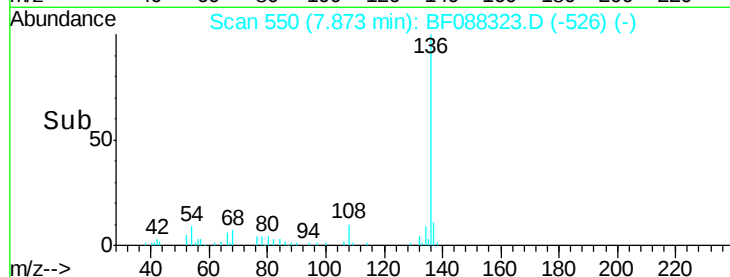


Abundance Ion 136.00 (135.70 to 136.70): E

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: 10.66 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.01 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

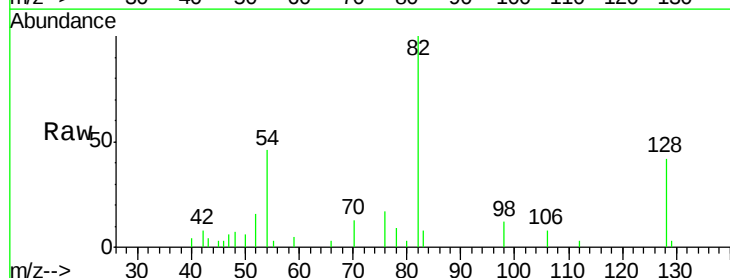
Tgt Ion: 82 Resp: 19966

Ion Ratio Lower Upper

82 100

128 41.6 35.9 53.9

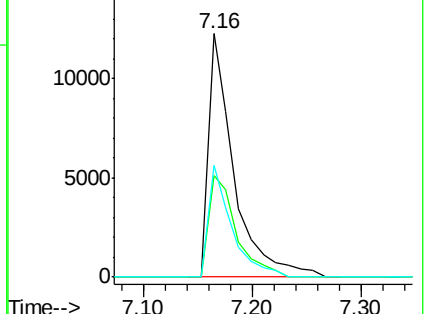
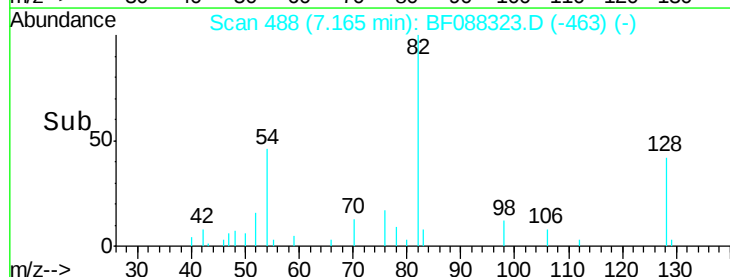
54 45.9 40.9 61.3

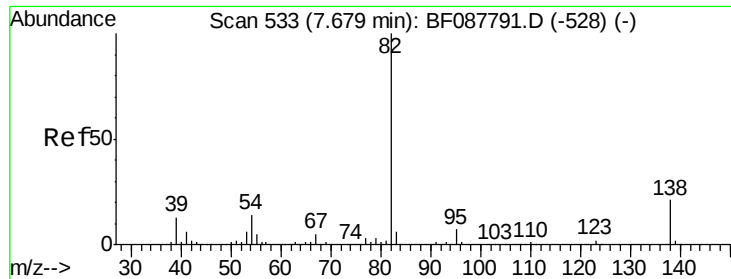


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 5.75 ng

RT: 7.16 min Scan# 488

Delta R.T. -0.27 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampleId :

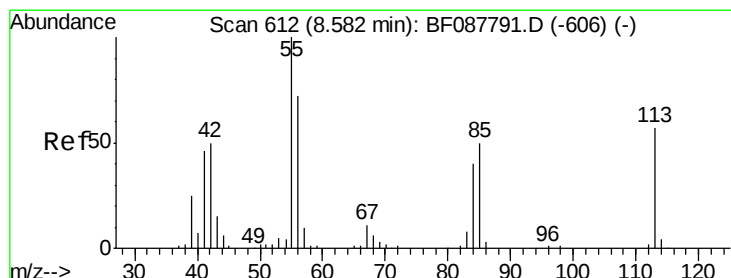
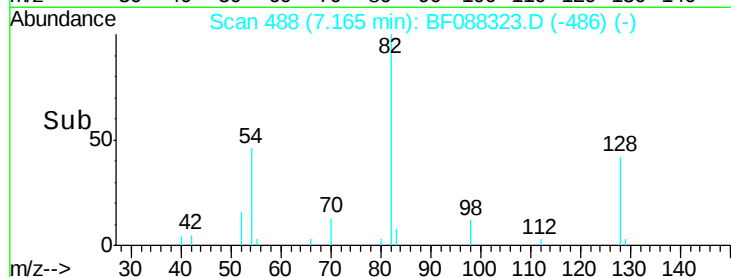
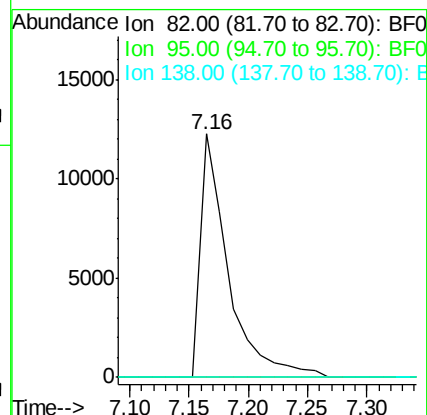
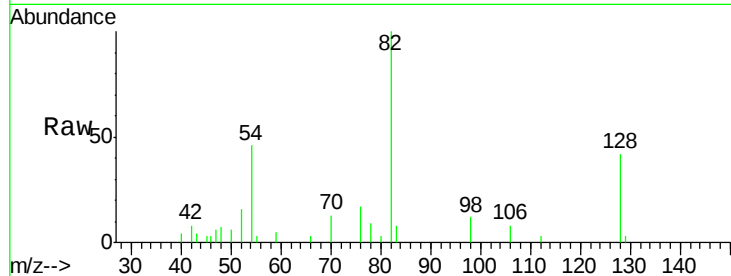
Tot Ion: 82 Resp: 19966

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#35

Caprolactam

Concen: 3.72 ng

RT: 8.43 min Scan# 599

Delta R.T. 0.07 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

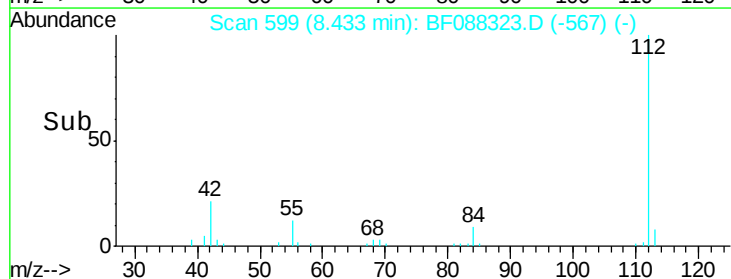
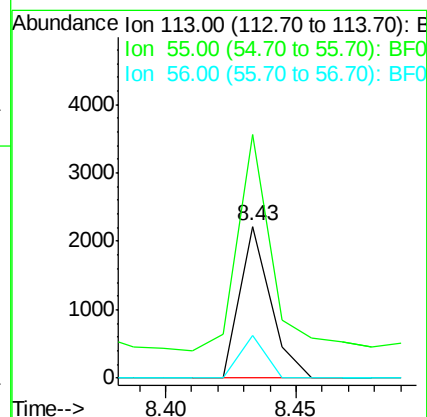
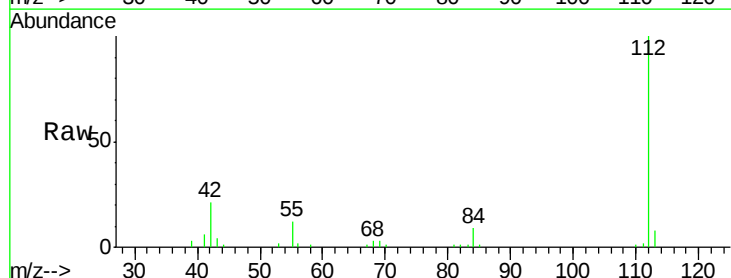
Tgt Ion: 113 Resp: 1841

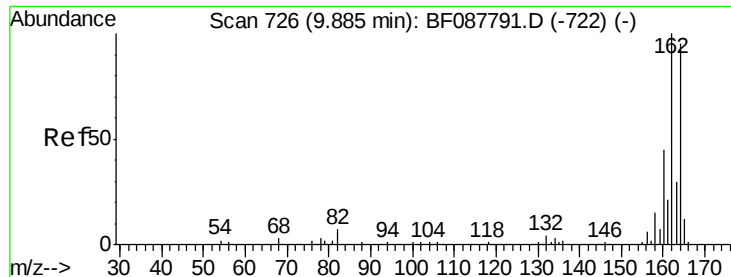
Ion Ratio Lower Upper

113 100

55 160.1 158.6 198.6

56 28.0 110.6 150.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.02 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampled :

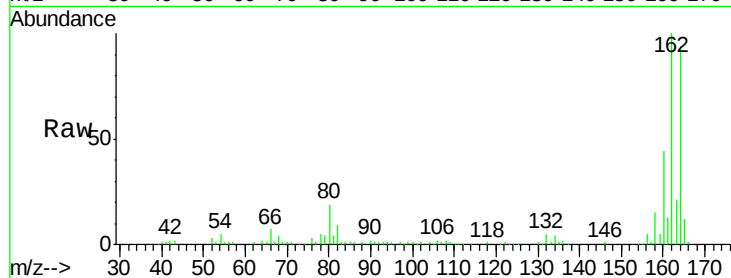
Tot Ion:164 Resp: 87928

Ion Ratio Lower Upper

164 100

162 105.9 85.4 128.2

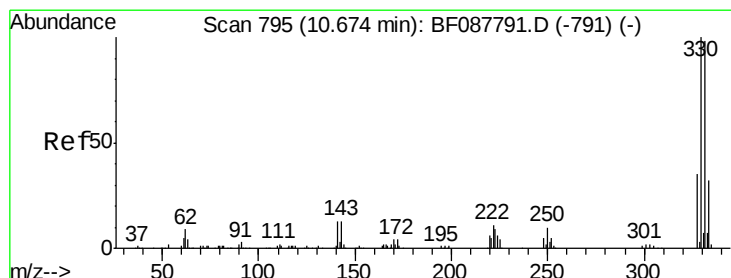
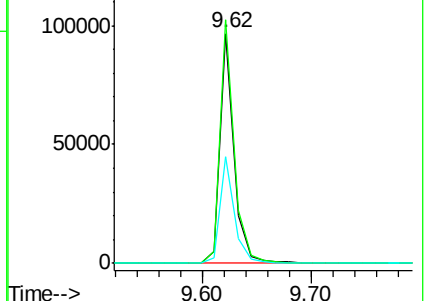
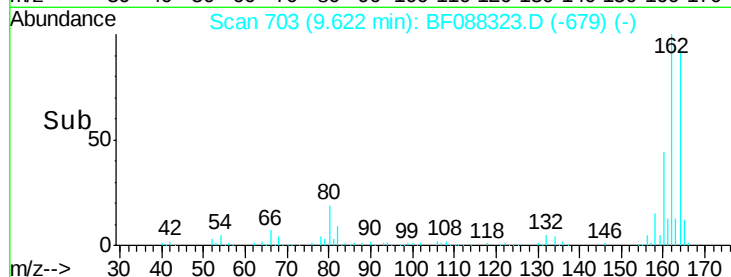
160 46.5 39.5 59.3



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: 23.29 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.02 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

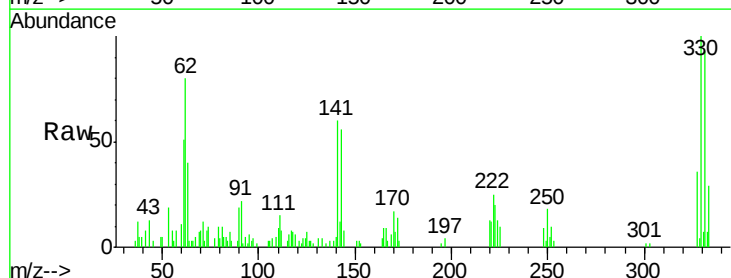
Tgt Ion:330 Resp: 21621

Ion Ratio Lower Upper

330 100

332 94.6 0.0 0.0#

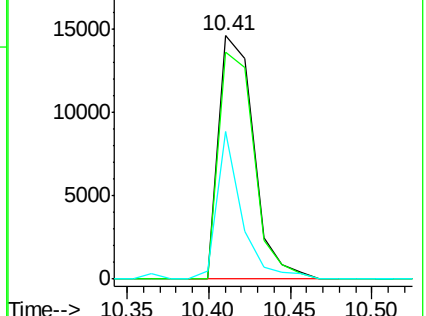
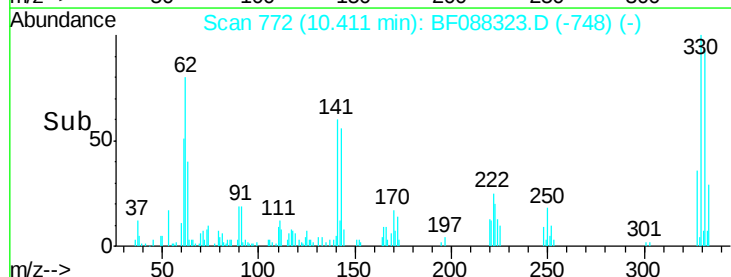
141 43.0 0.0 0.0#

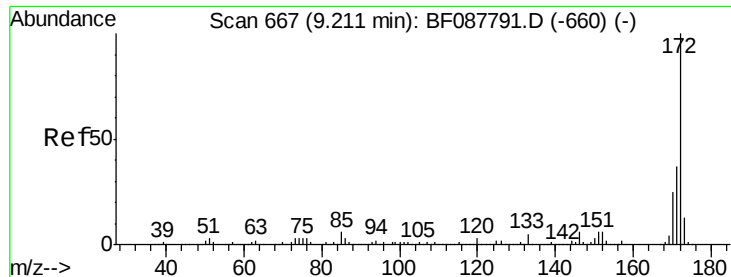


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

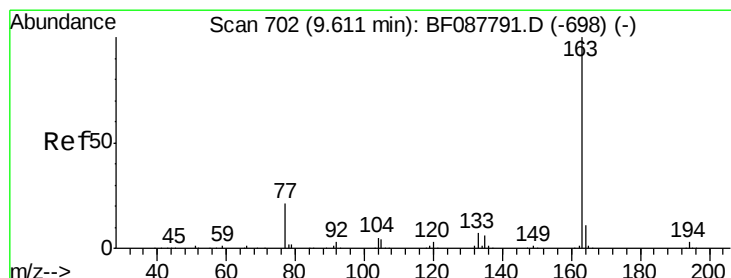
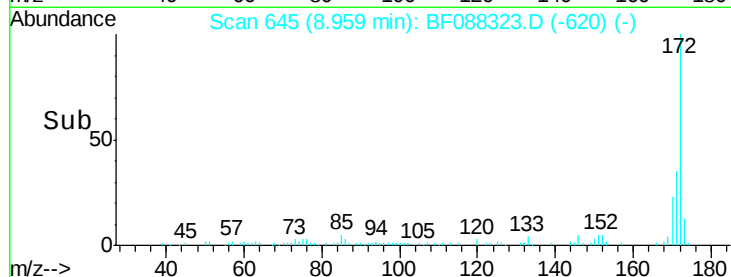
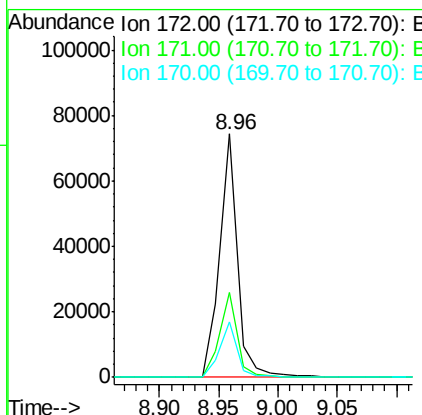
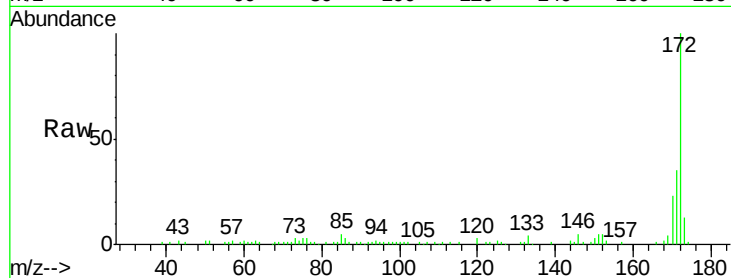




#44
2-Fluorobiphenyl
Concen: 8.77 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

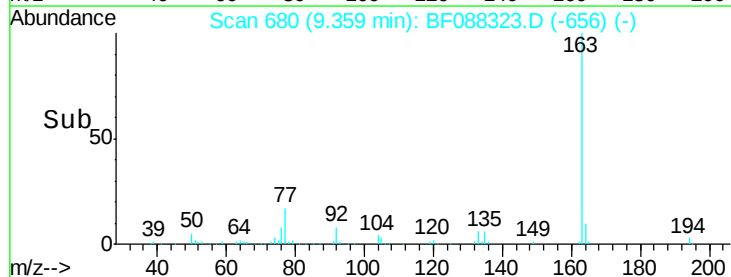
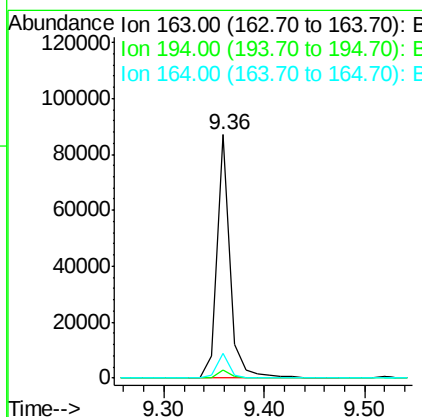
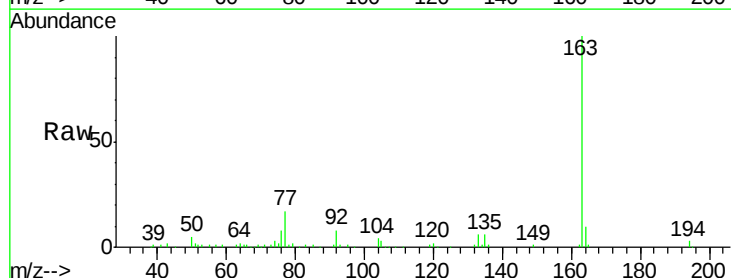
Instrument :
BNA_F
ClientSampleId :

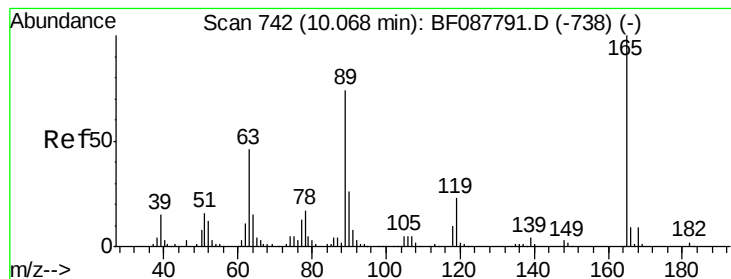
Tot Ion:172 Resp: 76893
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.8 19.2 28.8



#49
Dimethylphthalate
Concen: 12.34 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Tgt Ion:163 Resp: 78607
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.1 8.3 12.5

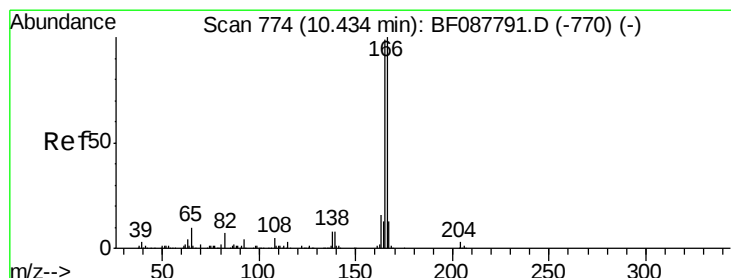
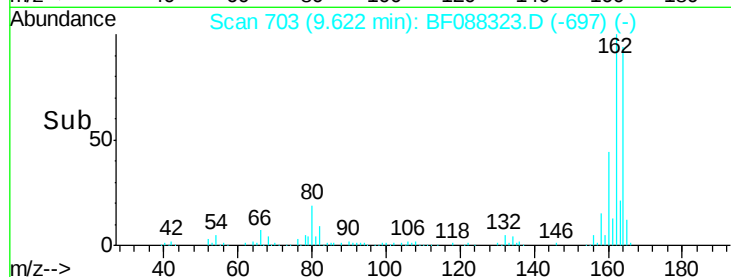
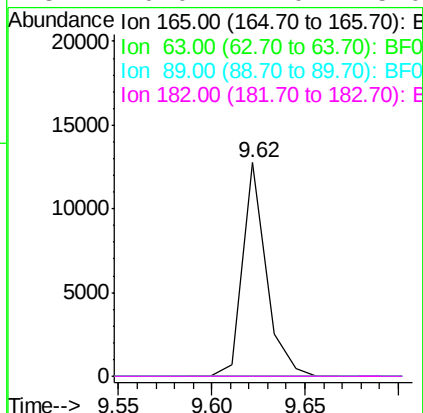
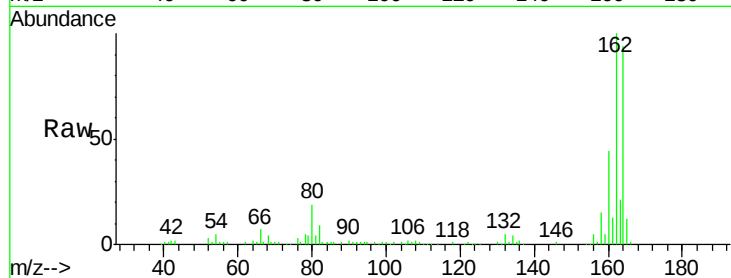




#56
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.23 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

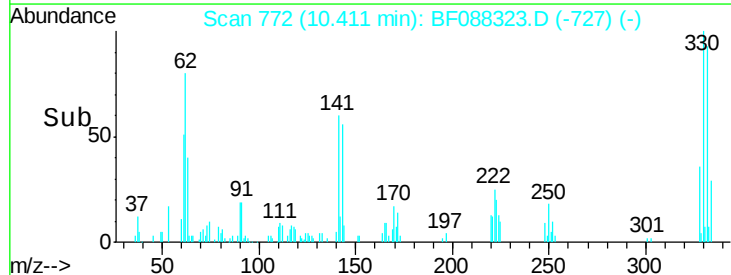
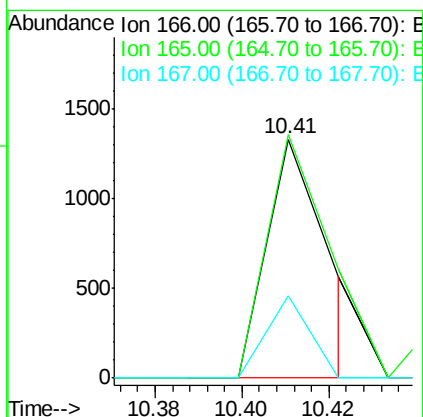
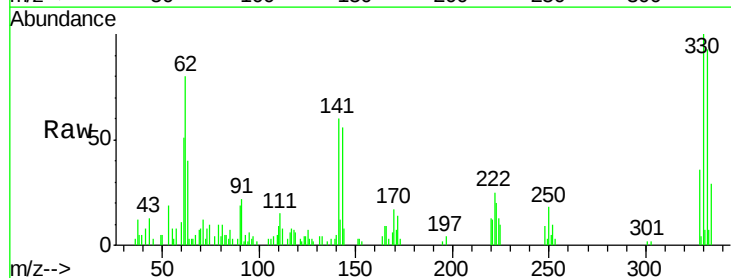
Instrument :
BNA_F
ClientSampleId :

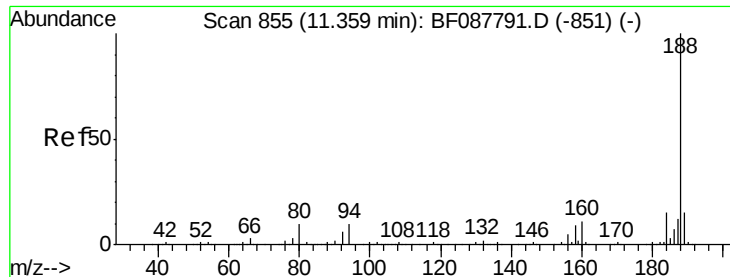
Tot Ion:	165	Resp:	11205
Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#



#57
Fluorene
Concen: Below Cal
RT: 10.41 min Scan# 772
Delta R.T. 0.22 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Tgt Ion:	166	Resp:	1298
Ion	Ratio	Lower	Upper
166	100		
165	101.9	77.8	116.8
167	34.2	11.2	16.8#

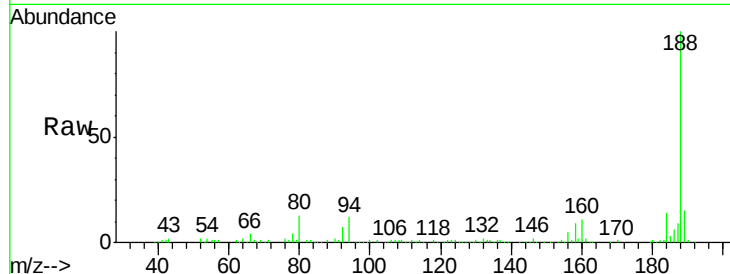




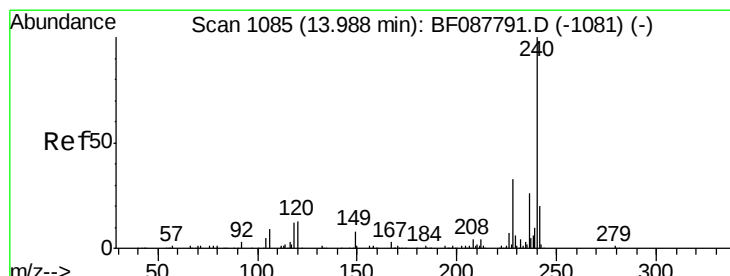
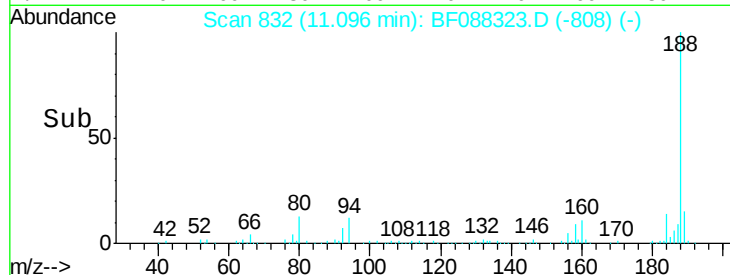
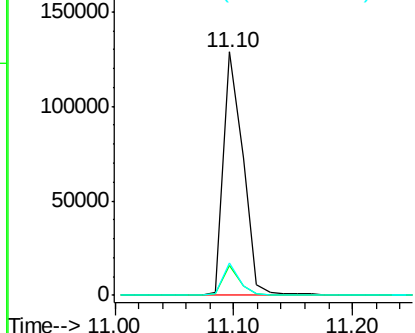
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 145851
Ion Ratio Lower Upper
188 100
94 12.3 9.0 13.6
80 13.5 10.0 15.0

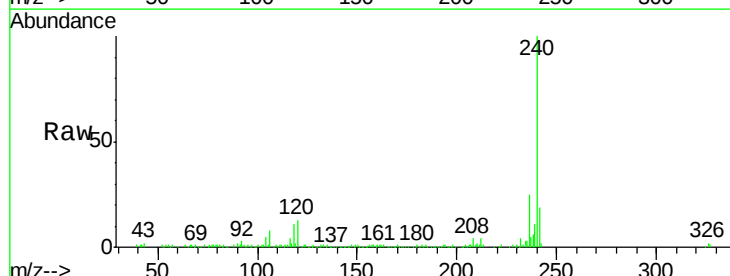


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

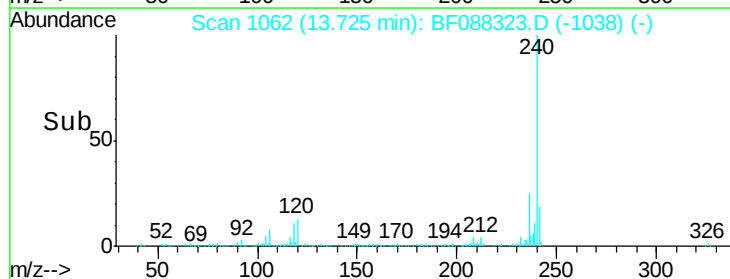
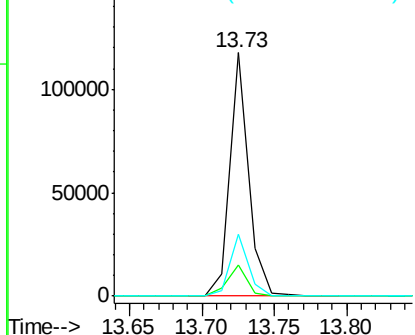


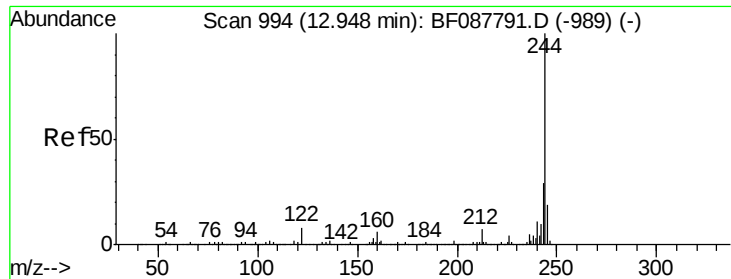
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.73 min Scan# 1062
Delta R.T. -0.02 min
Lab File: BF088323.D
Acq: 24 Jun 2016 9:01

Tgt Ion:240 Resp: 105498
Ion Ratio Lower Upper
240 100
120 12.6 6.8 10.2#
236 25.4 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





#78

Terphenyl-d14

Concen: 16.27 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

Instrument :

BNA_F

ClientSampleId :

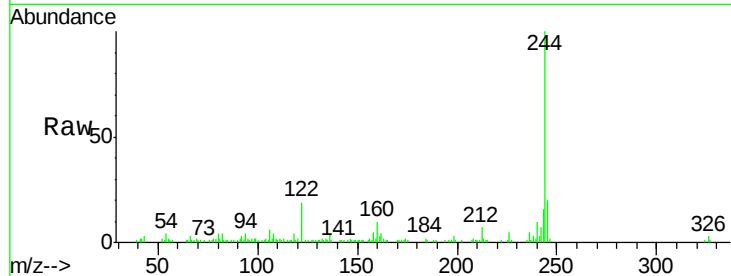
Tot Ion:244 Resp: 75443

Ion Ratio Lower Upper

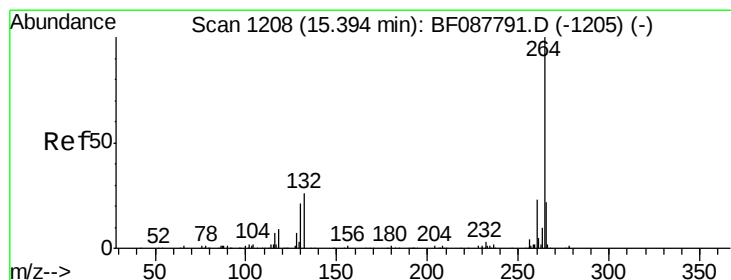
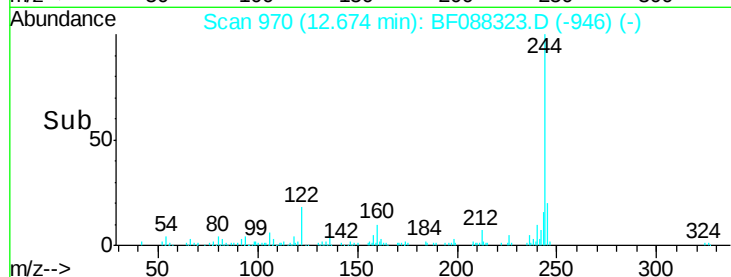
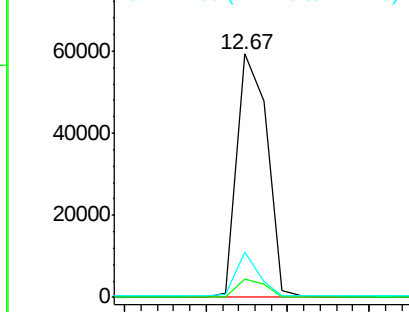
244 100

212 7.4 6.0 9.0

122 18.7 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: 15.09 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BF088323.D

Acq: 24 Jun 2016 9:01

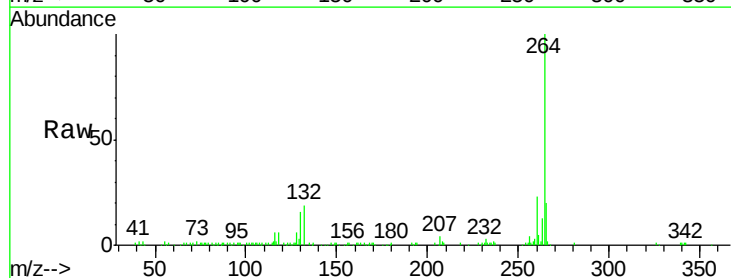
Tgt Ion:264 Resp: 90674

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 20.5 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

