

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072816\
 Data File : BF089350.D
 Acq On : 28 Jul 2016 6:57
 Operator : UM/SJ
 Sample : H4157-23
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-20

Quant Time: Jul 28 07:28:18 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

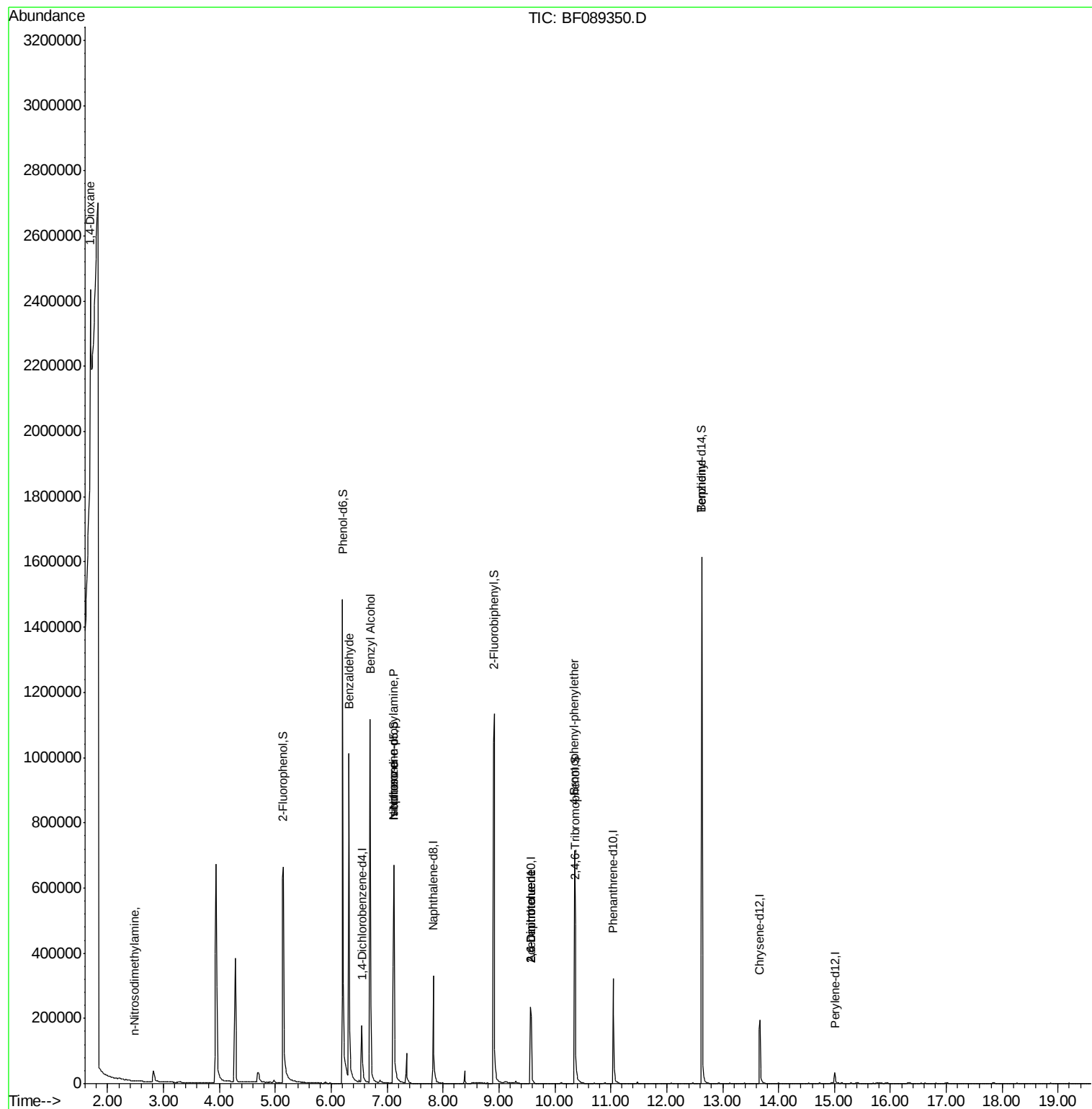
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	43284	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	196149	20.00	ng	0.00
38) Acenaphthene-d10	9.56	164	65110	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	176811	20.00	ng	-0.01
75) Chrysene-d12	13.67	240	95080	20.00	ng	0.00
86) Perylene-d12	15.01	264	10749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	366109	135.06	ng	0.03
7) Phenol-d6	6.20	99	404142	112.81	ng	0.00
23) Nitrobenzene-d5	7.12	82	346805	104.36	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	114871	213.02	ng	0.00
44) 2-Fluorobiphenyl	8.91	172	619468	139.63	ng	0.00
78) Terphenyl-d14	12.63	244	531029	130.72	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.69	88	29834	22.78	ng	# 26
4) n-Nitrosodimethylamine	2.48	42	213	7.90	ng	# 1
9) Benzaldehyde	6.32	77	9468	5.41	ng	86
15) Benzyl Alcohol	6.70	79	5161	2.32	ng	# 50
19) n-Nitroso-di-n-propylamine	7.12	70	45247	20.95	ng	# 79
25) Isophorone	7.12	82	257105	38.41	ng	# 67
50) 2,6-Dinitrotoluene	9.56	165	7346	7.21	ng	# 24
56) 2,4-Dinitrotoluene	9.56	165	7346	5.48	ng	# 7
66) 4-Bromophenyl-phenylether	10.35	248	8060	4.77	ng	# 1
76) Benzidine	12.63	184	8400	2.39	ng	# 95

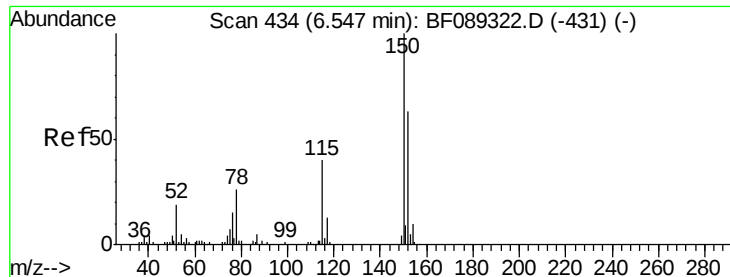
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Instrument :

BNA_F

ClientSampleId :

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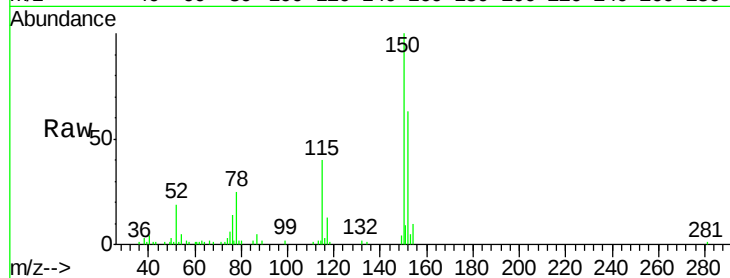
Tgt Ion:152 Resp: 43284

Ion Ratio Lower Upper

152 100

150 159.5 129.5 194.3

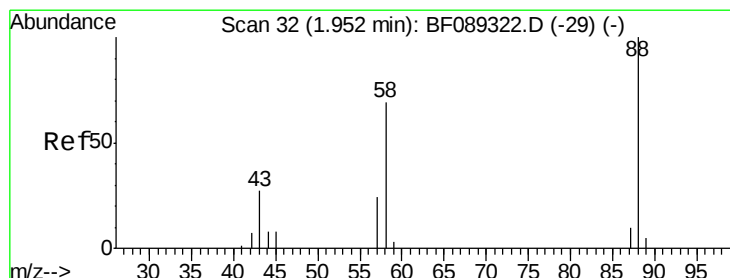
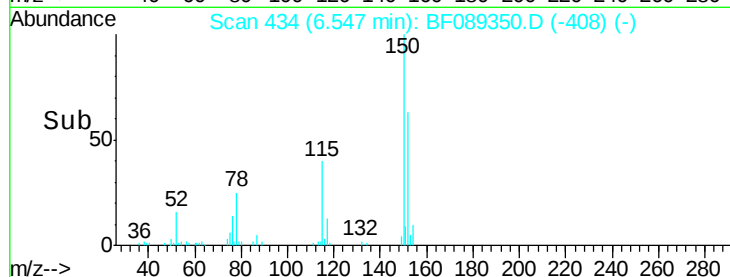
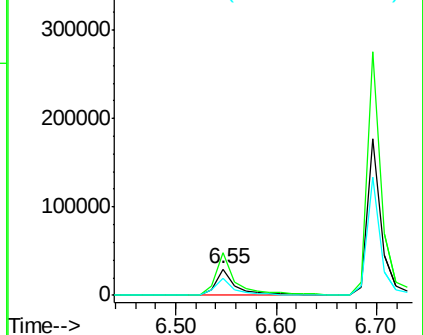
115 63.5 51.4 77.2



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: 22.78 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.26 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

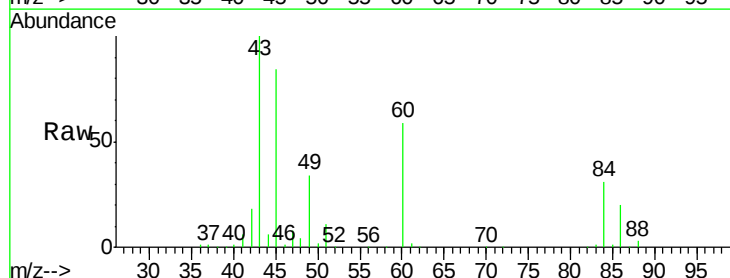
Tgt Ion: 88 Resp: 29834

Ion Ratio Lower Upper

88 100

58 0.0 53.2 79.8#

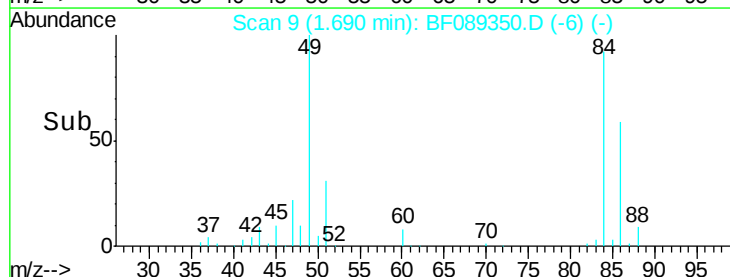
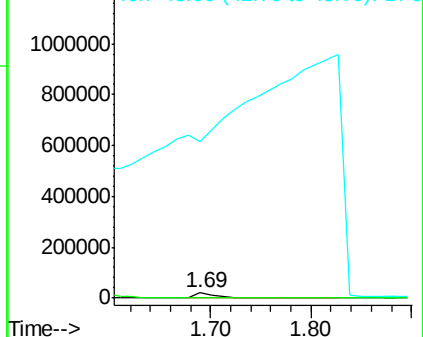
43 0.0 20.6 31.0#

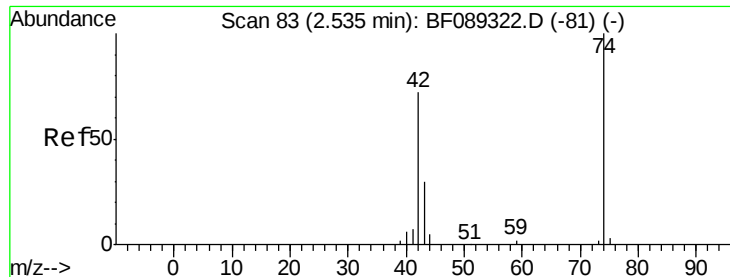


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 7.90 ng

RT: 2.48 min Scan# 78

Delta R.T. -0.06 min

Lab File: BF089350.D

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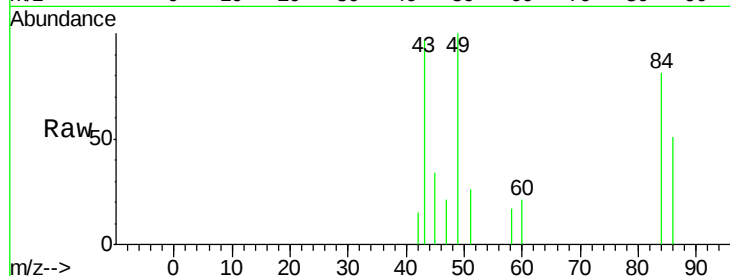
Tgt Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

74 0.0 110.8 166.2#

44 0.0 5.2 7.8#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0

2.48

300

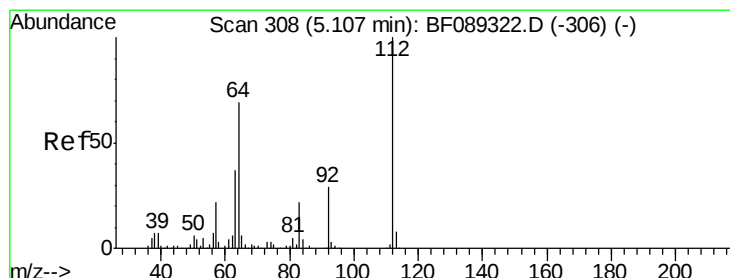
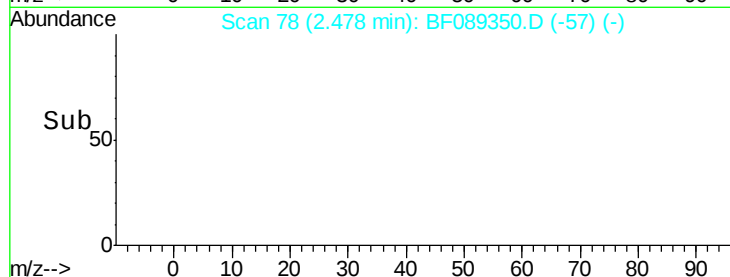
200

100

0

2.46 2.48 2.50

Time-->



#5

2-Fluorophenol

Concen: 135.06 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.03 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

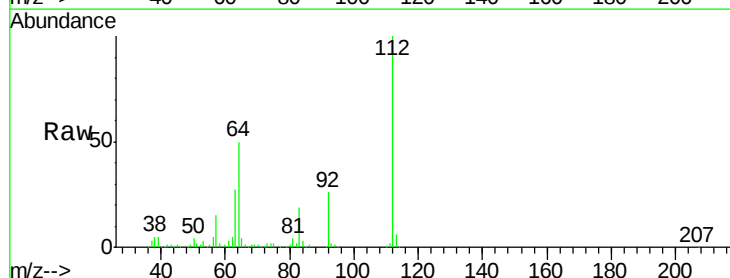
Tgt Ion: 112 Resp: 366109

Ion Ratio Lower Upper

112 100

64 50.0 55.0 82.6#

63 26.9 29.4 44.2#



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

5.14

250000

200000

150000

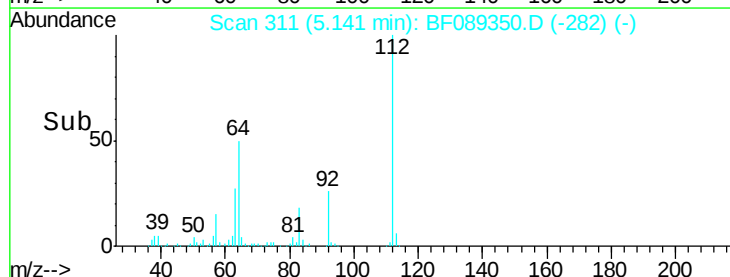
100000

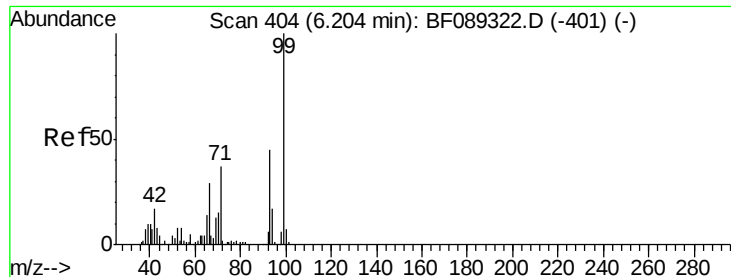
50000

0

5.00 5.10 5.20 5.30 5.40

Time-->





#7

Phenol-d6

Concen: 112.81 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Instrument :

BNA_F

ClientSampleId :

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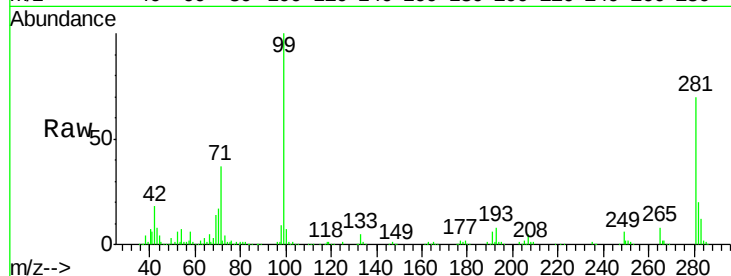
Tgt Ion: 99 Resp: 404142

Ion Ratio Lower Upper

99 100

42 17.8 13.6 20.4

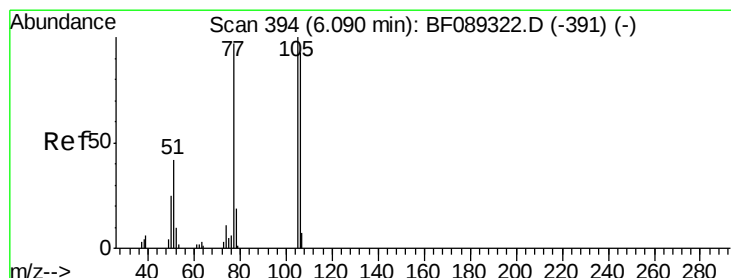
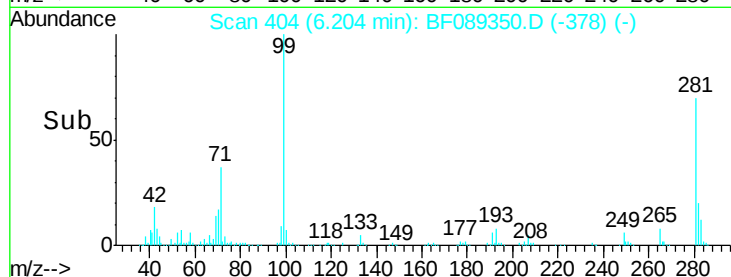
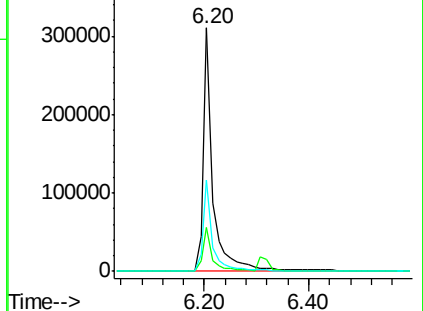
71 37.4 29.4 44.2



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

Benzaldehyde

Concen: 5.41 ng

RT: 6.32 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

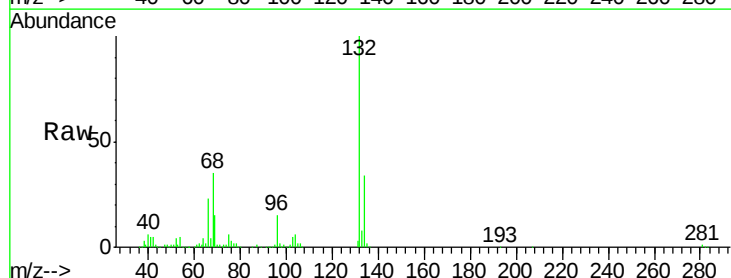
Tgt Ion: 77 Resp: 9468

Ion Ratio Lower Upper

77 100

105 87.5 82.9 122.9

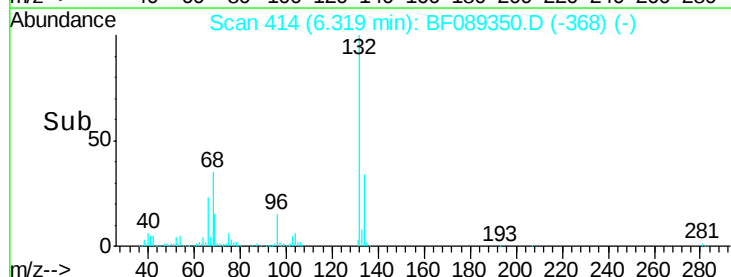
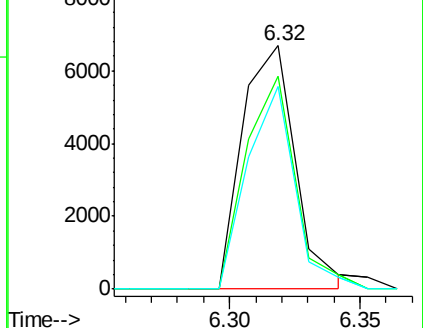
106 83.3 75.9 115.9

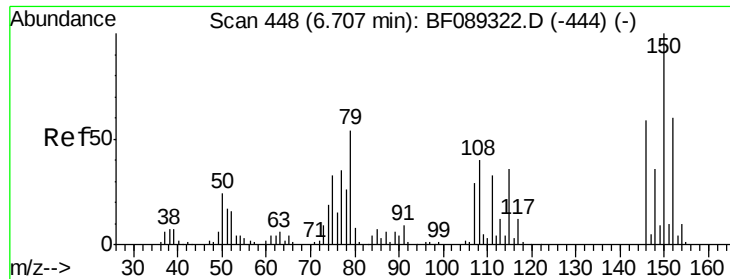


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#15

Benzyl Alcohol

Concen: 2.32 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Instrument :

BNA_F

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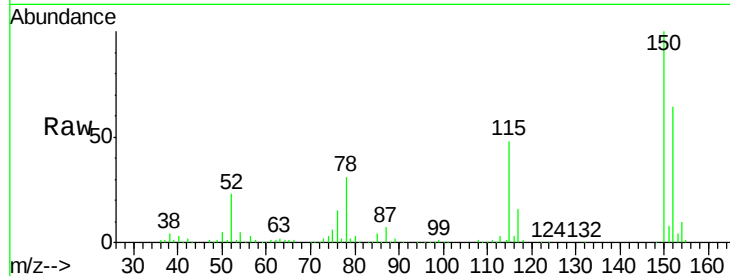
Tgt Ion: 79 Resp: 5161

Ion Ratio Lower Upper

79 100

108 29.4 59.8 89.6#

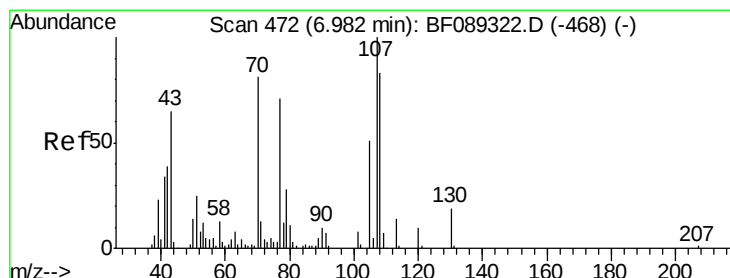
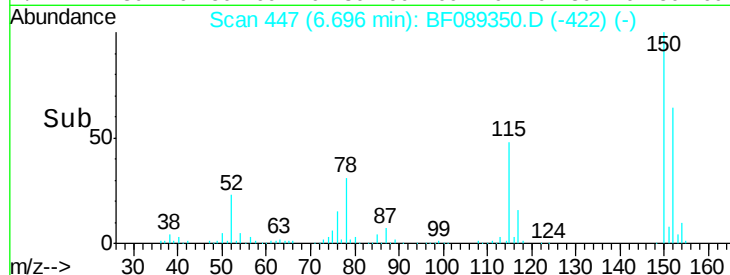
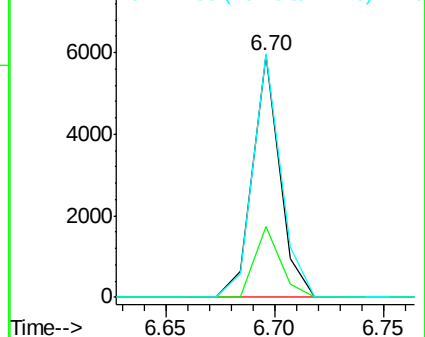
77 100.5 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.95 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.14 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Tgt Ion: 70 Resp: 45247

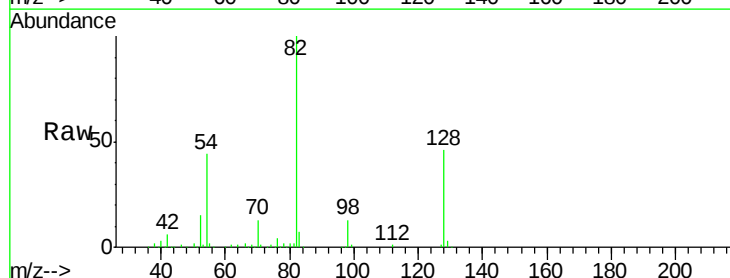
Ion Ratio Lower Upper

70 100

42 42.1 38.6 57.8

101 0.0 8.3 12.5#

130 2.2 19.0 28.4#

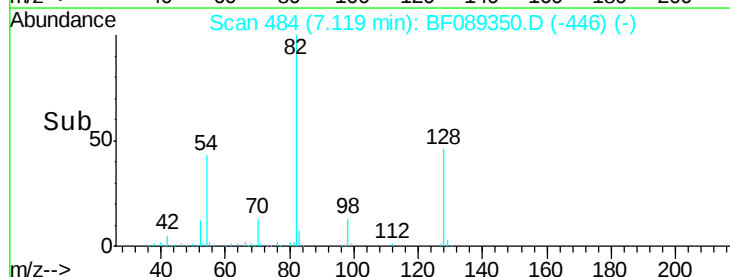
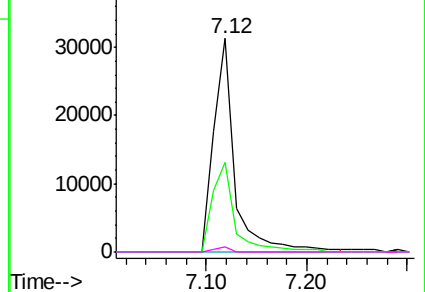


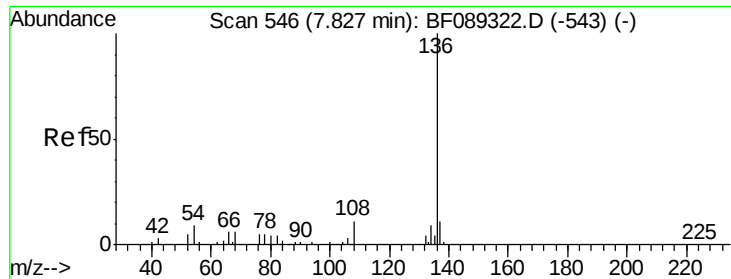
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

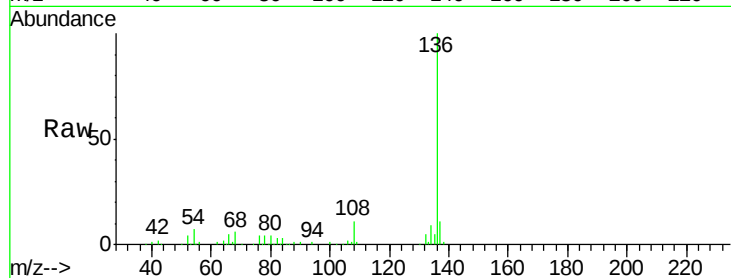




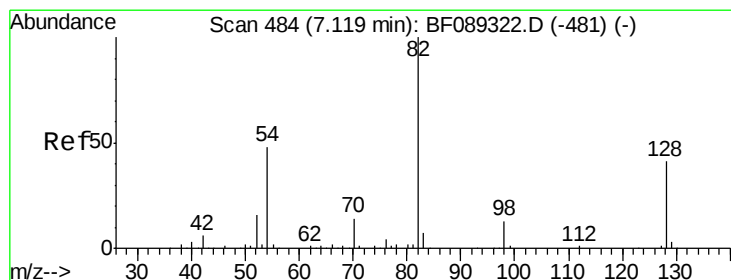
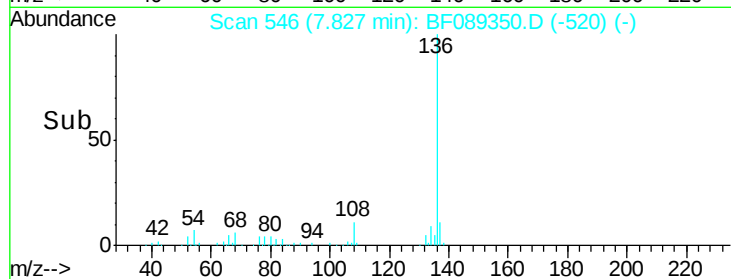
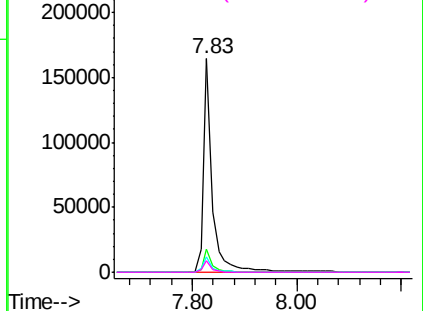
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

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Tgt Ion:	136	Resp:	196149
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.2	7.0	10.4
68	5.6	4.9	7.3

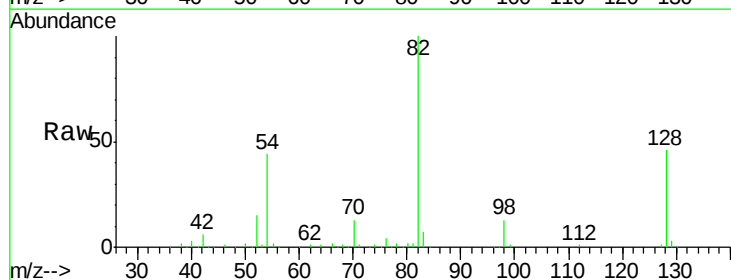


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

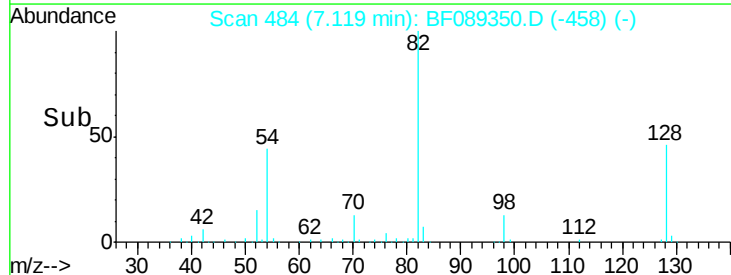
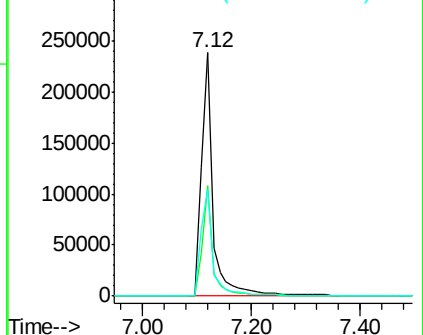


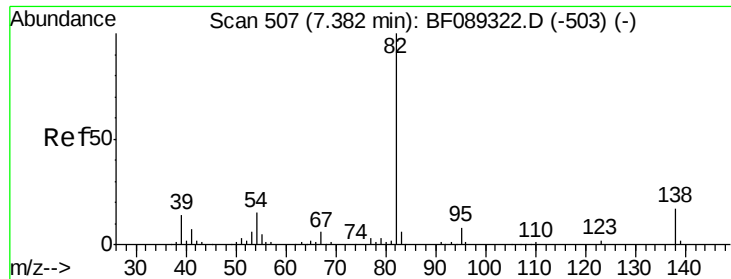
#23
Nitrobenzene-d5
Concen: 104.36 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089350.D
Acq: 28 Jul 2016 6:57

Tgt Ion:	82	Resp:	346805
Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.5	48.7
54	43.8	38.8	58.2



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: 38.41 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.26 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Instrument :

BNA_F

ClientSampleId :

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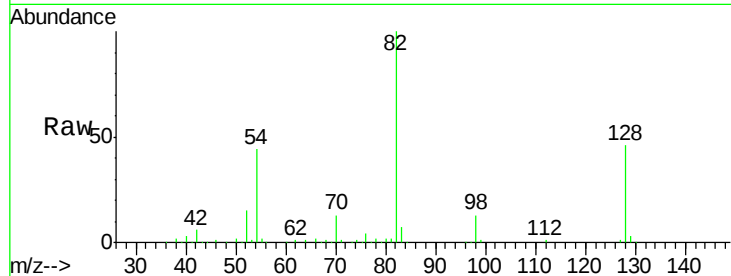
Tgt Ion: 82 Resp: 257105

Ion Ratio Lower Upper

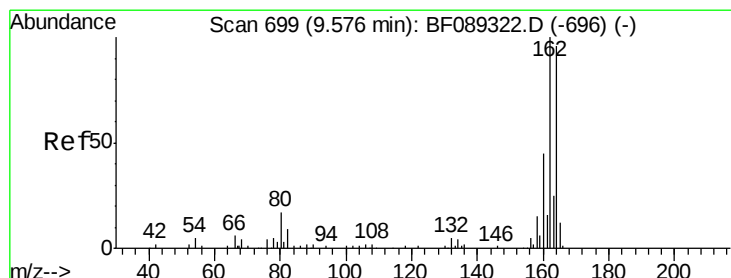
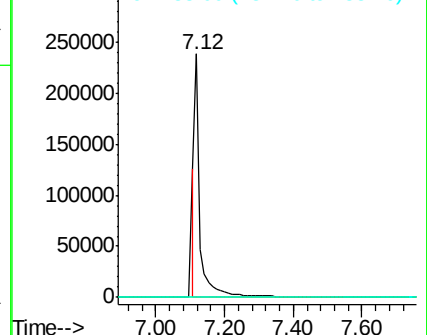
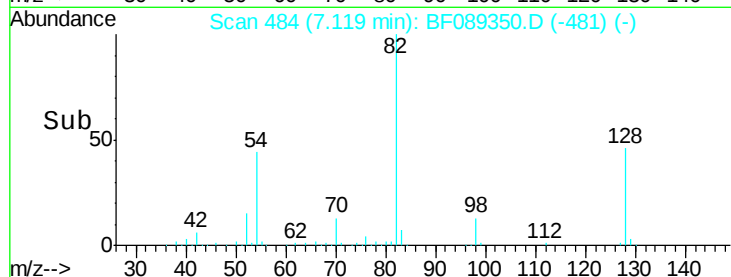
82 100

95 0.0 6.0 9.0#

138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

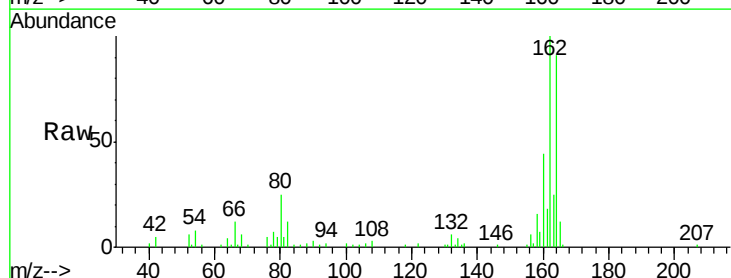
Tgt Ion: 164 Resp: 65110

Ion Ratio Lower Upper

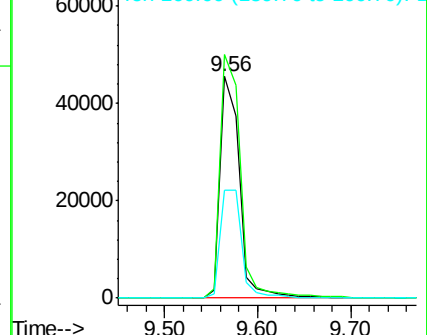
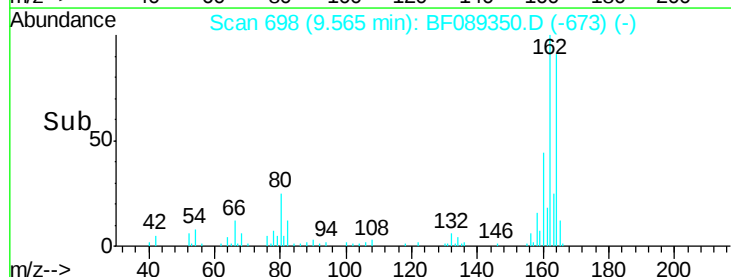
164 100

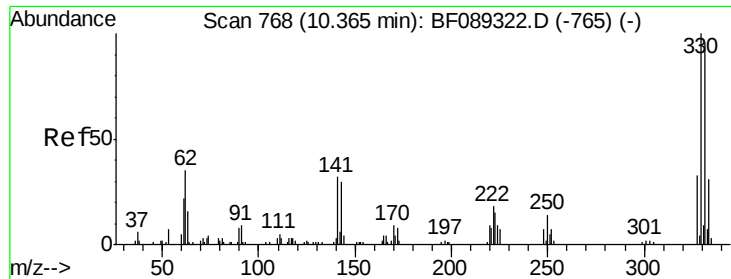
162 109.9 83.7 125.5

160 48.6 37.8 56.6



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

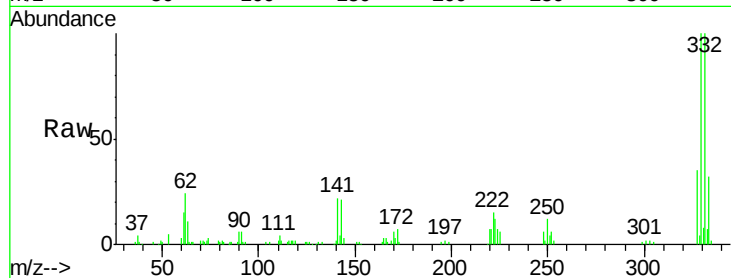




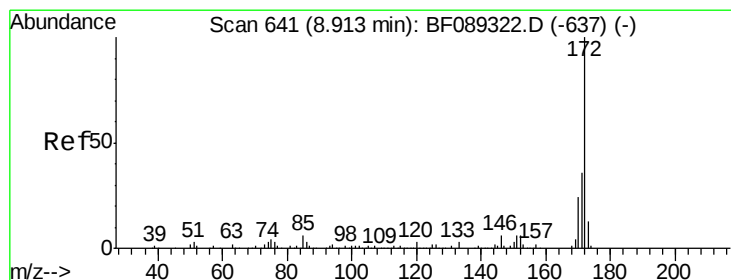
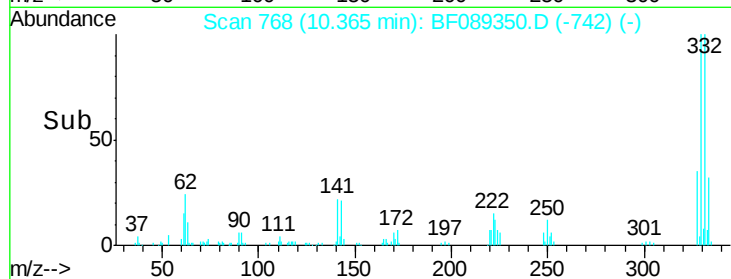
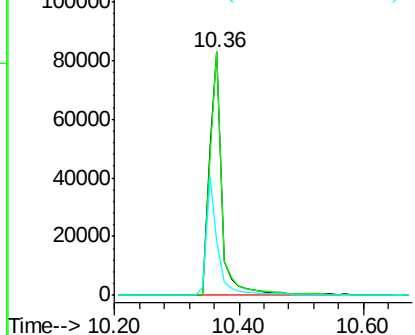
#41
 2,4,6-Tribromophenol
 Concen: 213.02 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089350.D
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Instrument :
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Tgt Ion:330 Resp: 114871
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.8 115.2
 141 44.2 37.3 55.9

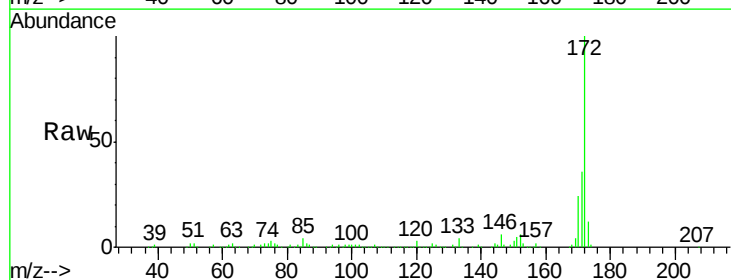


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

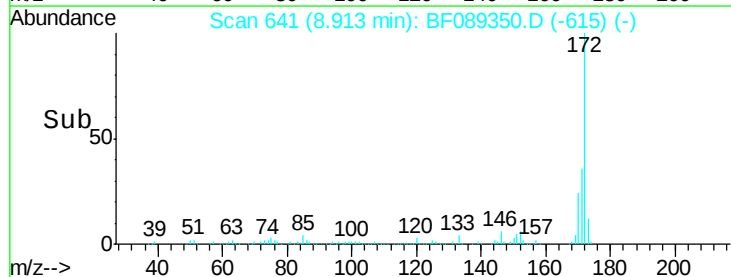
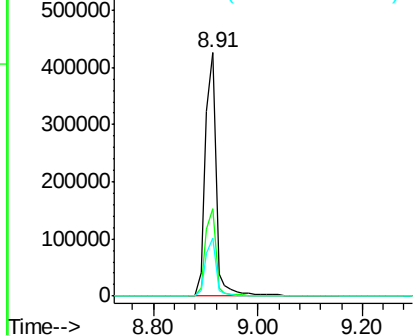


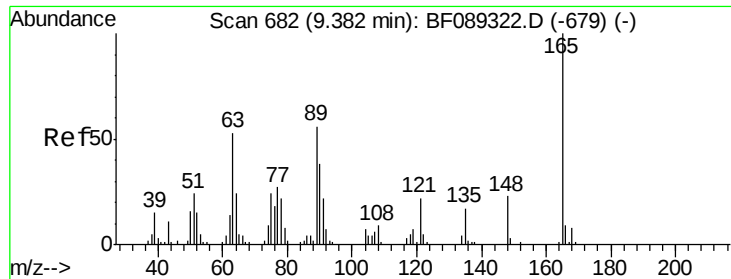
#44
 2-Fluorobiphenyl
 Concen: 139.63 ng
 RT: 8.91 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Tgt Ion:172 Resp: 619468
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.6 19.2 28.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

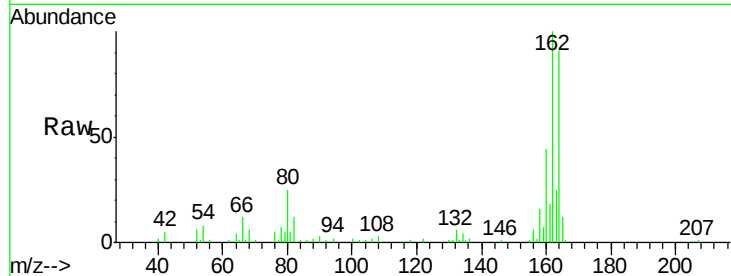




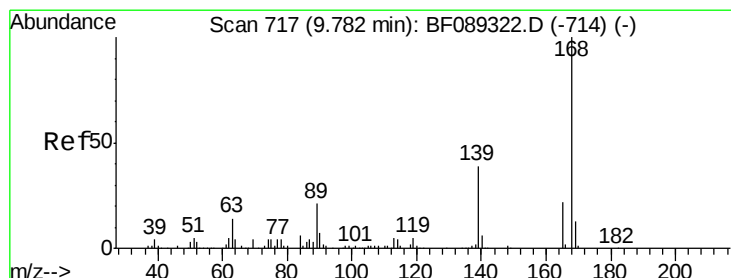
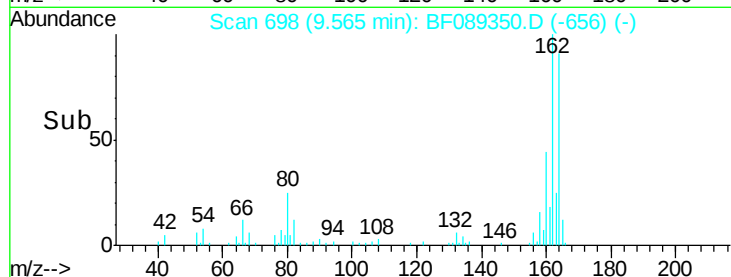
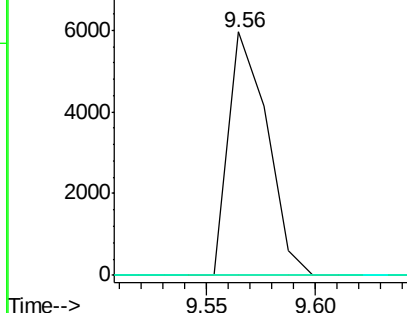
#50
 2,6-Dinitrotoluene
 Concen: 7.21 ng
 RT: 9.56 min Scan# 698
 Delta R.T. 0.18 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 I-20

Tgt Ion:165 Resp: 7346
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.5 65.3#
 89 0.0 45.0 67.4#



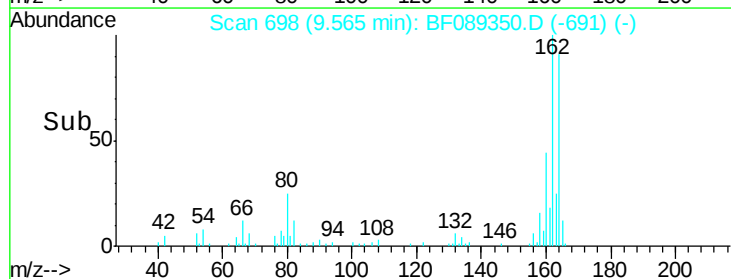
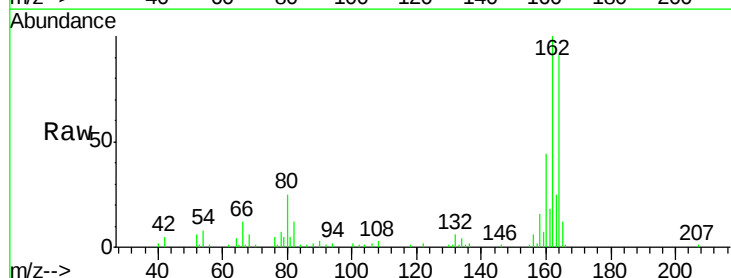
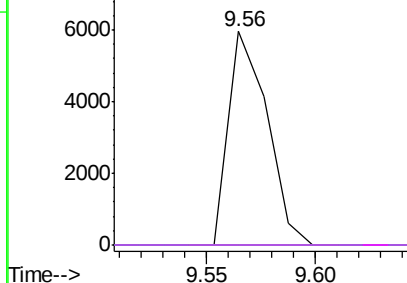
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

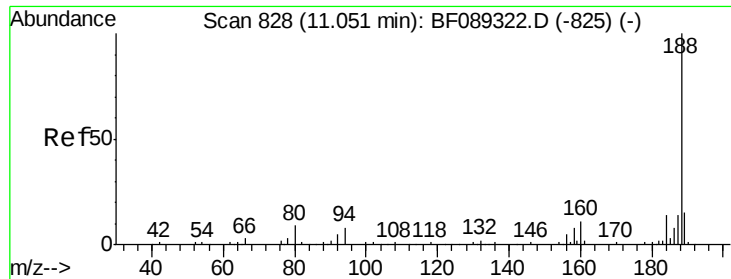


#56
 2,4-Dinitrotoluene
 Concen: 5.48 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.22 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Tgt Ion:165 Resp: 7346
 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#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

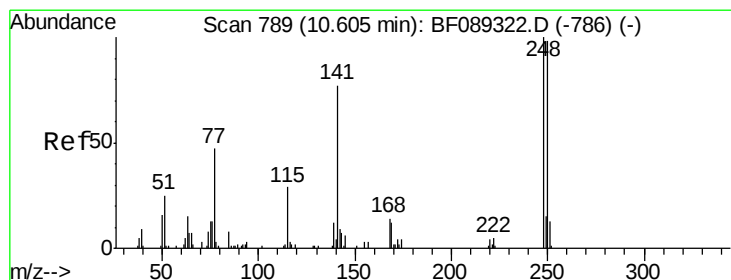
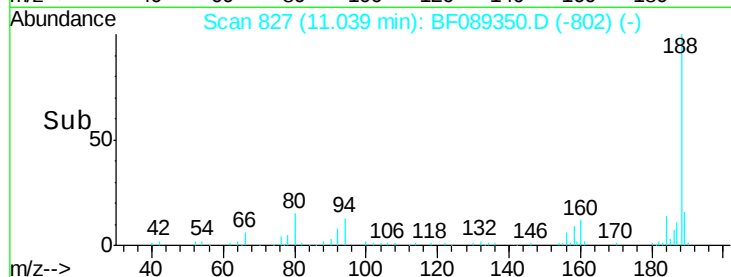
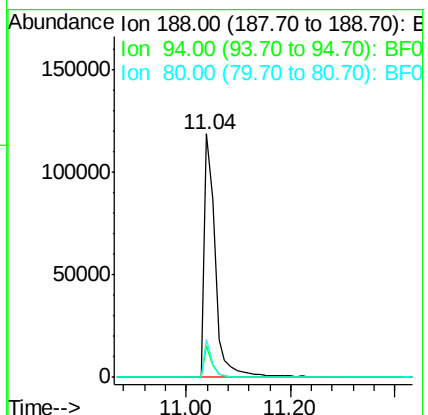
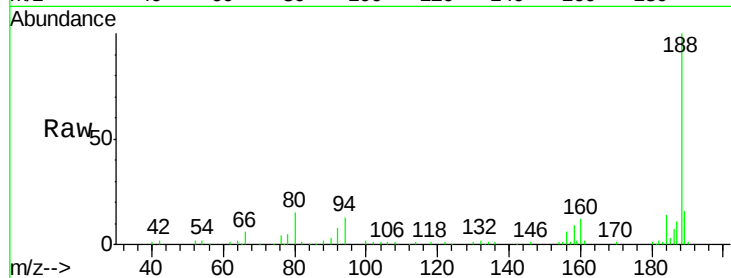




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

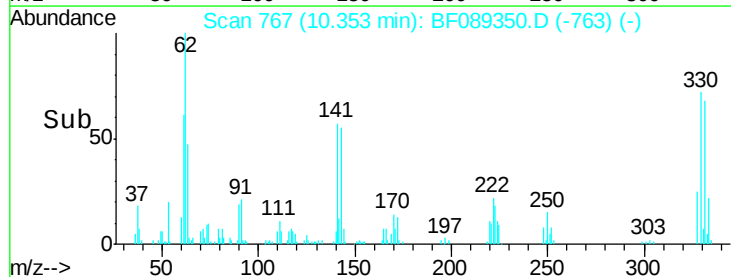
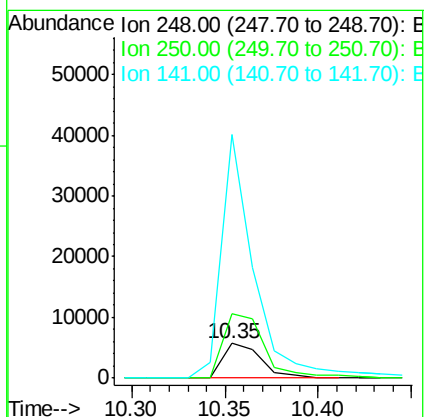
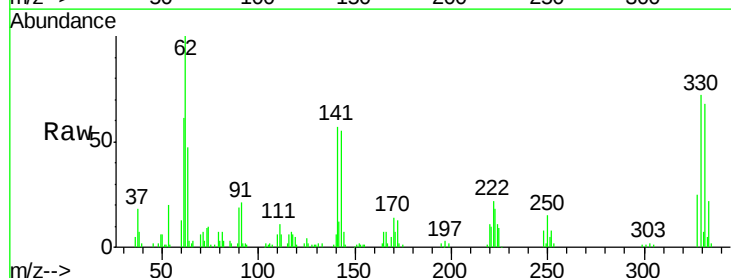
Instrument :
 BNA_F
 ClientSampleId :
 I-20

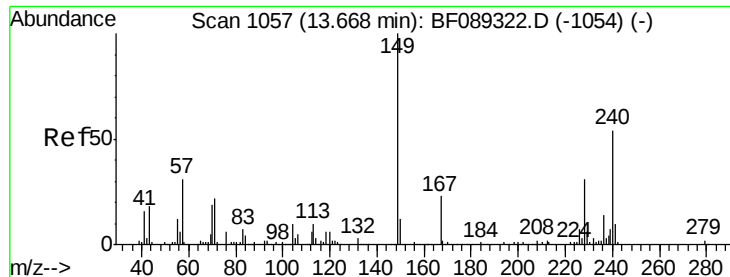
Tgt Ion:188 Resp: 176811
 Ion Ratio Lower Upper
 188 100
 94 12.8 6.5 9.7#
 80 15.2 7.2 10.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.77 ng
 RT: 10.35 min Scan# 767
 Delta R.T. -0.25 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Tgt Ion:248 Resp: 8060
 Ion Ratio Lower Upper
 248 100
 250 185.0 78.2 117.2#
 141 702.4 62.0 93.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.67 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

Instrument :

BNA_F

ClientSampleId :

I-20

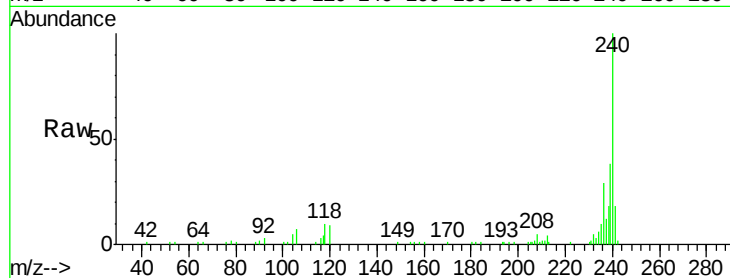
Tgt Ion:240 Resp: 95080

Ion Ratio Lower Upper

240 100

120 9.2 9.1 13.7

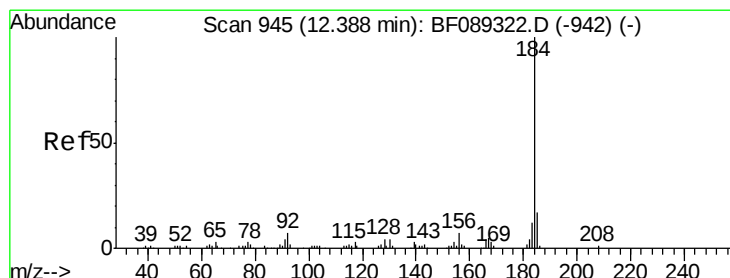
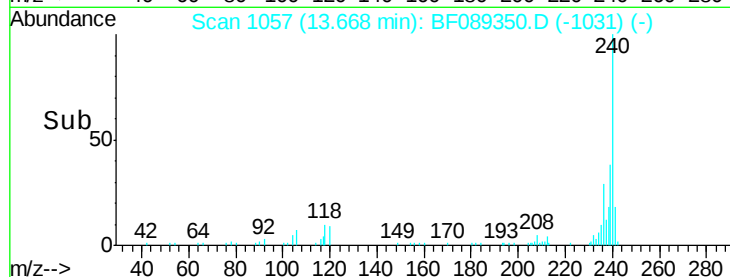
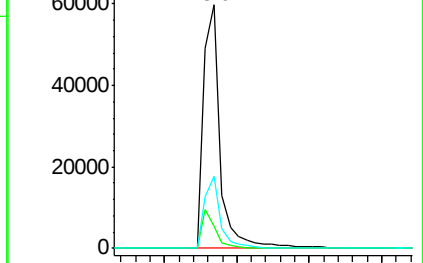
236 29.4 20.6 30.8



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



#76

Benzidine

Concen: 2.39 ng

RT: 12.63 min Scan# 966

Delta R.T. 0.24 min

Lab File: BF089350.D

Acq: 28 Jul 2016 6:57

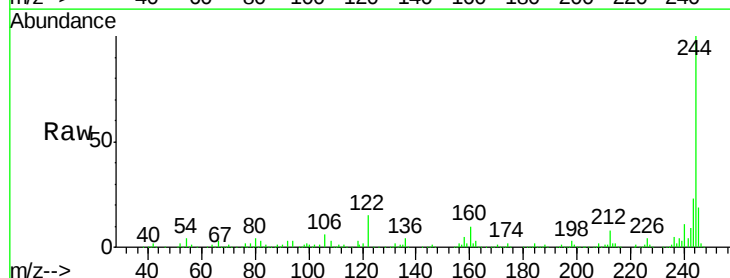
Tgt Ion:184 Resp: 8400

Ion Ratio Lower Upper

184 100

185 17.5 13.5 20.3

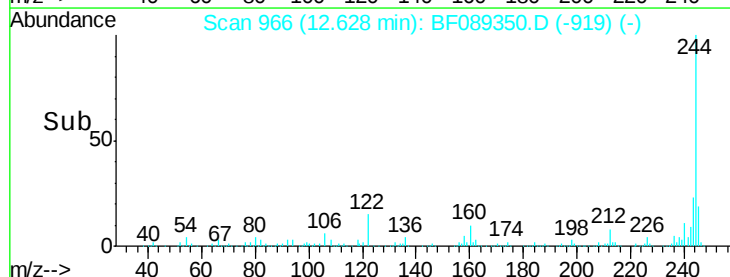
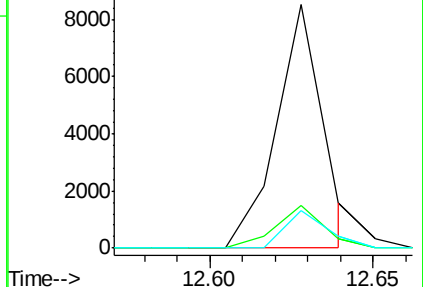
183 15.6 9.8 14.6#

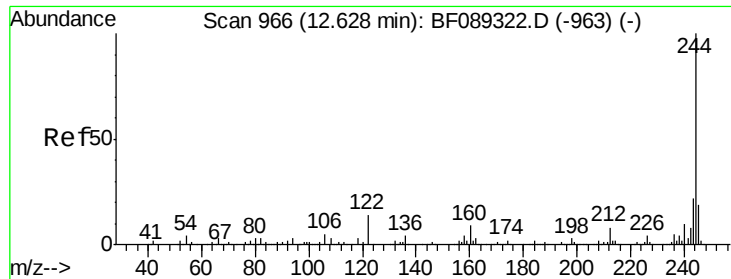


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

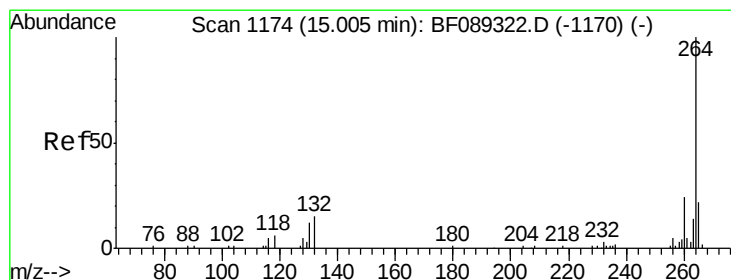
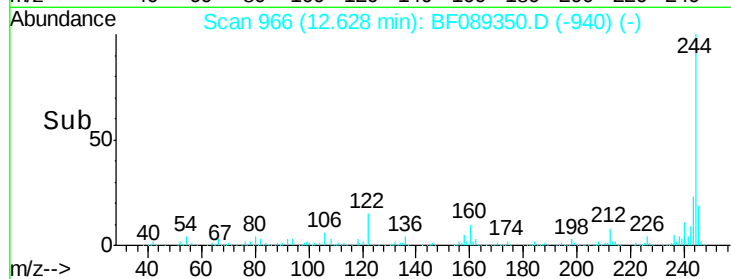
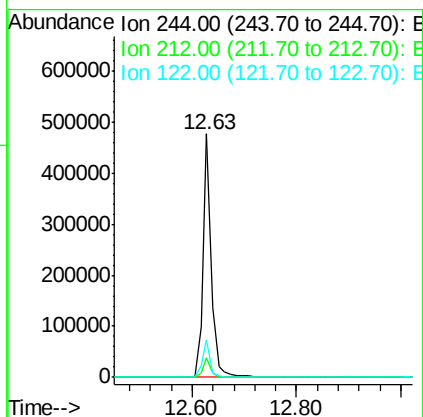
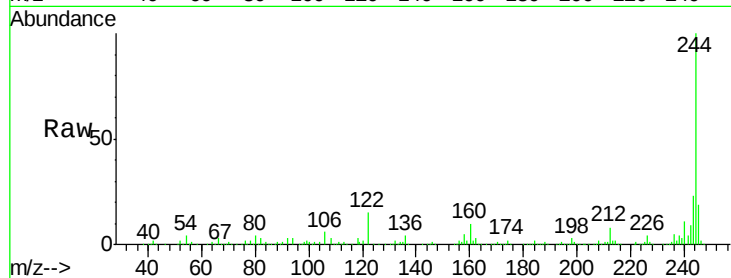




#78
 Terphenyl-d14
 Concen: 130.72 ng
 RT: 12.63 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Instrument :
 BNA_F
 ClientSampleId :
 I-20

Tgt Ion:244 Resp: 531029
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 15.3 11.4 17.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.01 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF089350.D
 Acq: 28 Jul 2016 6:57

Tgt Ion:264 Resp: 10749
 Ion Ratio Lower Upper
 264 100
 260 40.3 19.0 28.4#
 265 21.4 17.5 26.3

