

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103749.D
 Acq On : 19 Mar 2018 11:43
 Operator : JU/SJ
 Sample : J1938-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 12:29:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 19 10:47:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	172155	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	710680	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	332143	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	606271	20.00	ng	0.00
75) Chrysene-d12	14.16	240	536977	20.00	ng	0.00
86) Perylene-d12	15.69	264	495176	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1347889	119.09	ng	0.02
7) Phenol-d6	6.60	99	1490720	107.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	1132922	111.17	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	454324	159.09	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1927037	92.55	ng	0.00
78) Terphenyl-d14	13.10	244	1930000	83.43	ng	0.00

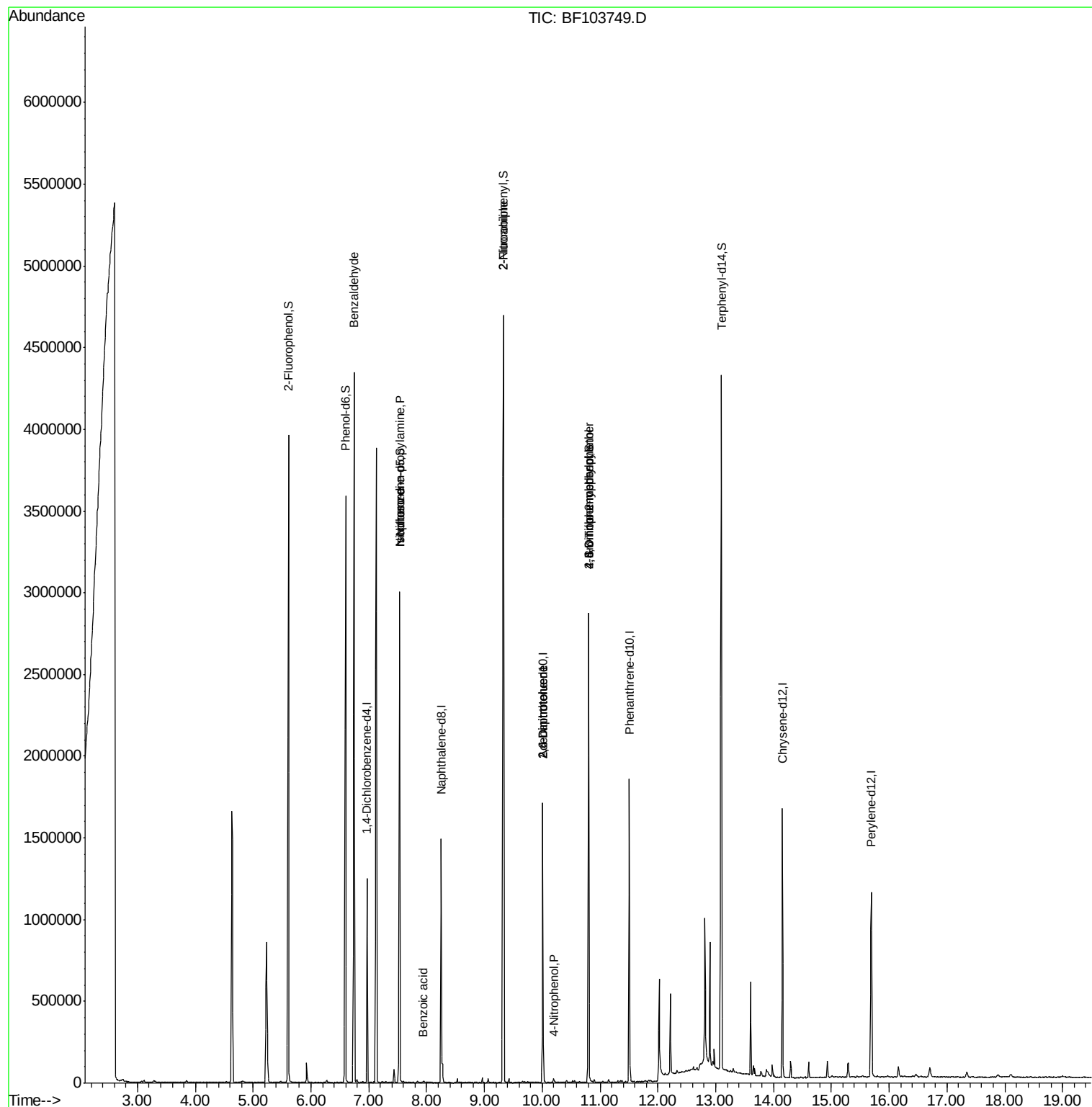
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	29800	3.276	ng	86
19) n-Nitroso-di-n-propylamine	7.53	70	150044	16.908	ng	# 73
25) Isophorone	7.53	82	1132904	48.022	ng	# 64
32) Benzoic acid	7.93	122	1081	10.025	ng	# 85
47) 2-Nitroaniline	9.33	65	3215	7.294	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	42721	11.975	ng	# 25
55) 4-Nitrophenol	10.22	139	931	5.158	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	42721	12.202	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	887	8.555	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	26963	4.332	ng	# 1

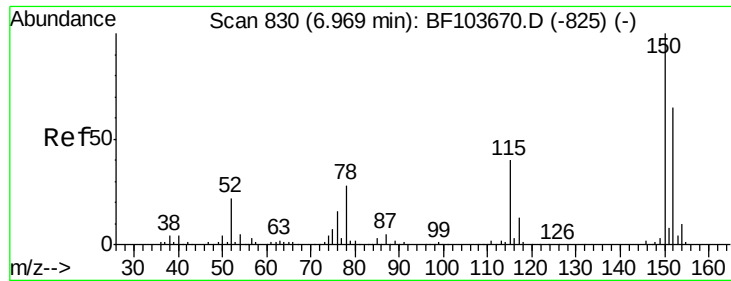
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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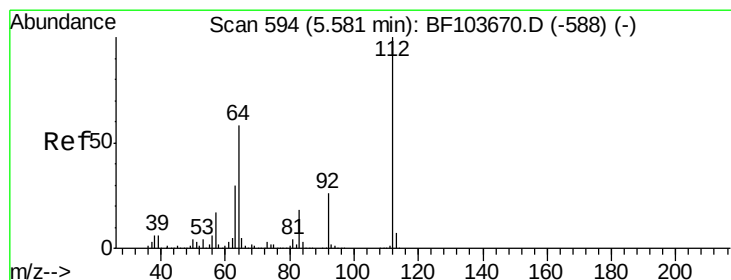
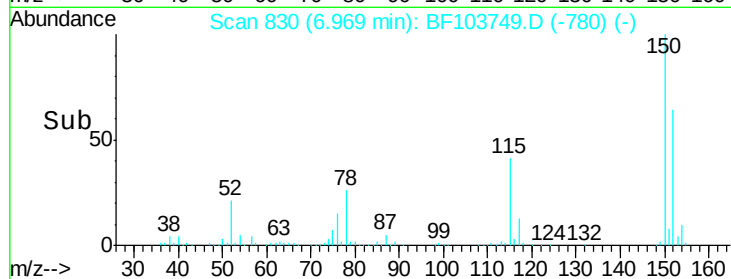
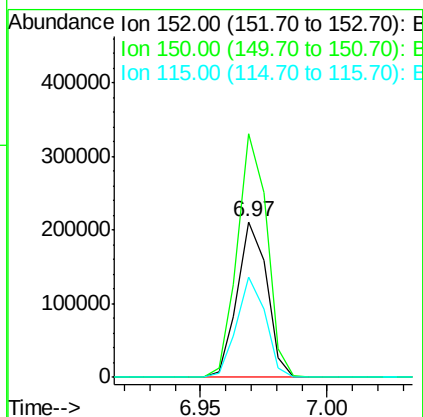
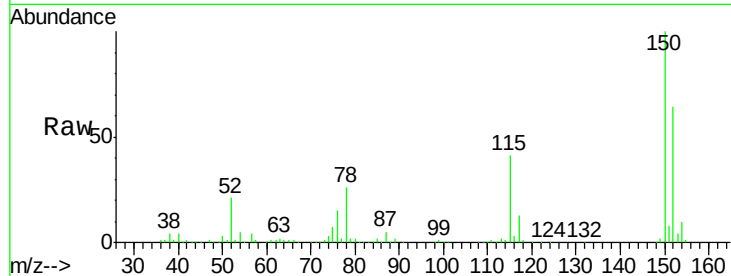


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Instrument :
BNA_F
ClientSampleId :

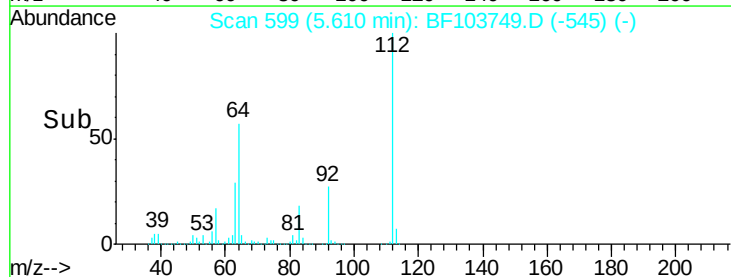
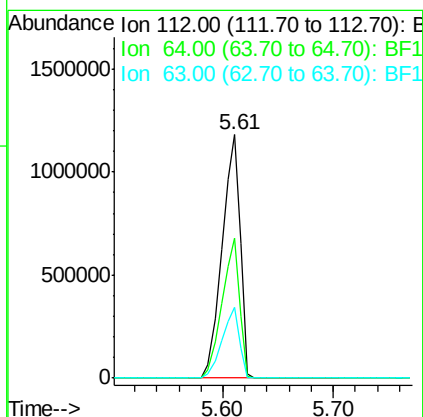
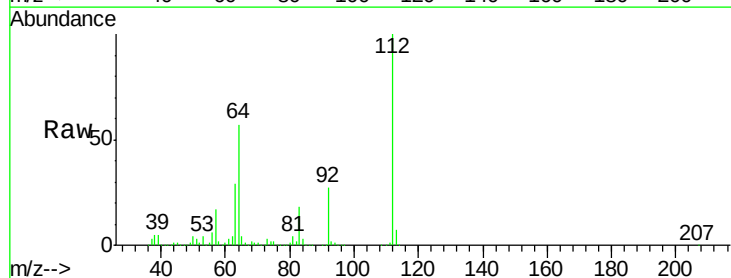
Tot Ion:152 Resp: 172155
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 64.3 50.1 75.1

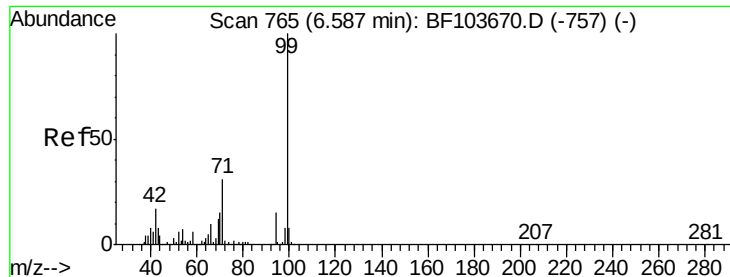


#5

2-Fluorophenol
Concen: 119.086 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:112 Resp: 1347889
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 28.9 23.7 35.5





#7

Phenol-d6

Concen: 107.653 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103749.D

Acq: 19 Mar 2018 11:43

Instrument :

BNA_F

ClientSampleId :

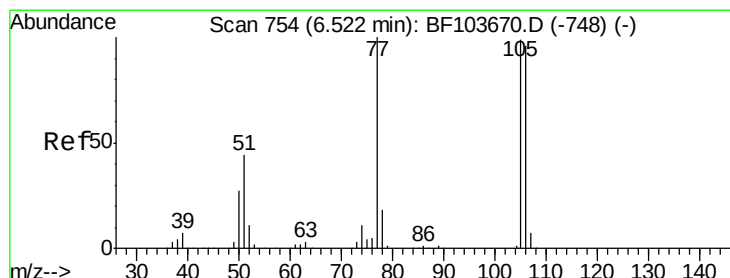
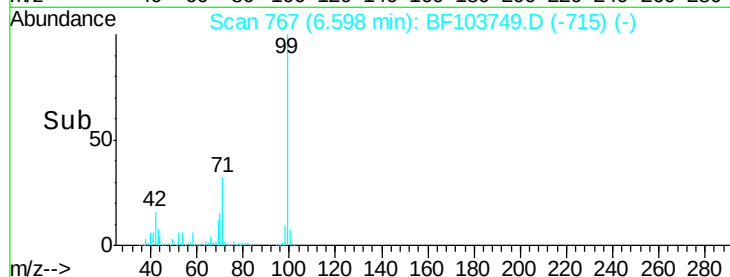
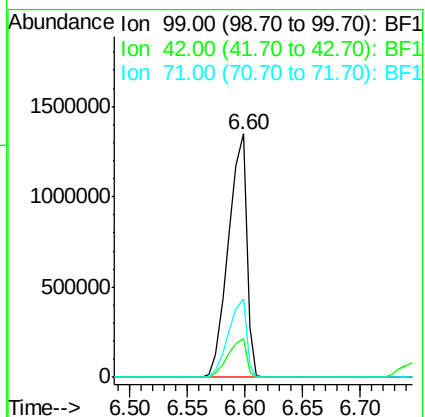
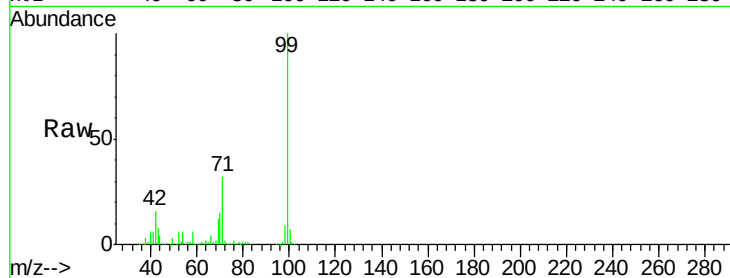
Tot Ion: 99 Resp: 1490720

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 32.4 25.4 38.0



#9

Benzaldehyde

Concen: 3.276 ng

RT: 6.75 min Scan# 792

Delta R.T. 0.22 min

Lab File: BF103749.D

Acq: 19 Mar 2018 11:43

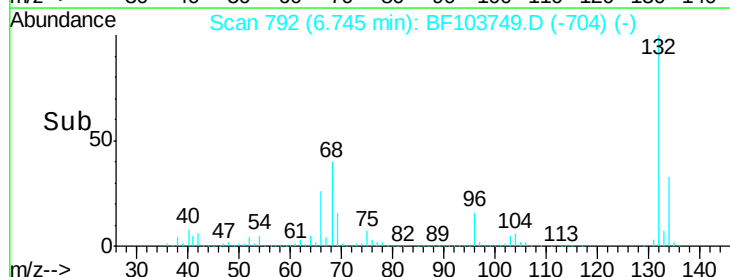
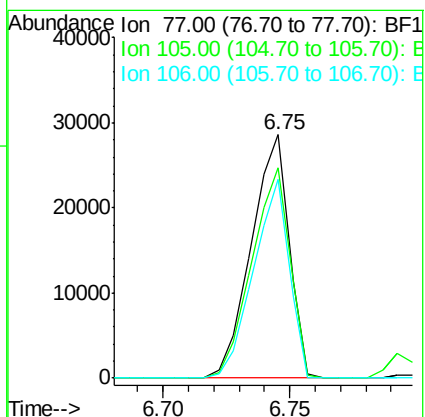
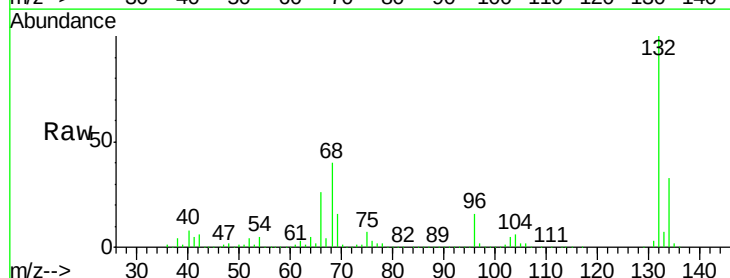
Tgt Ion: 77 Resp: 29800

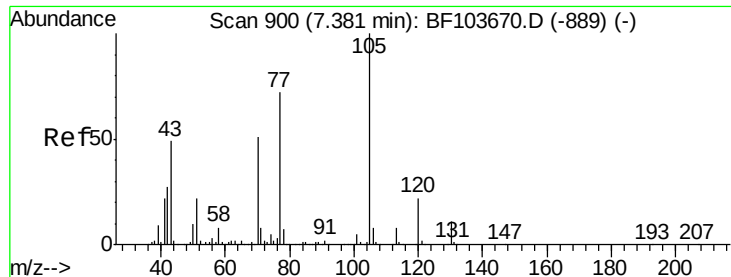
Ion Ratio Lower Upper

77 100

105 86.4 81.1 121.1

106 81.5 74.5 114.5

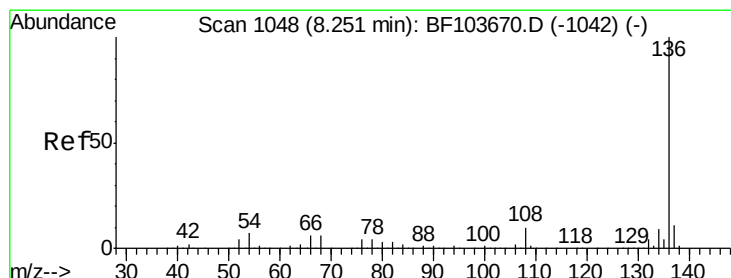
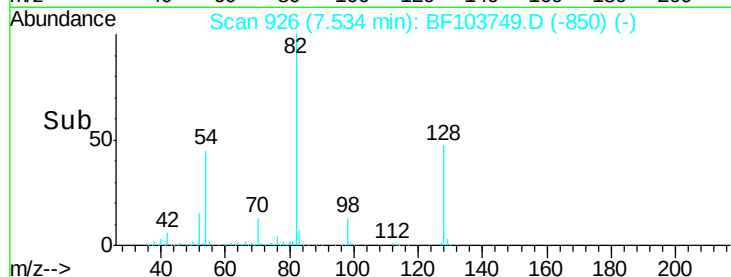
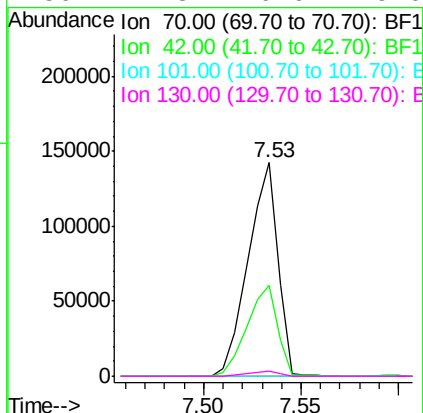
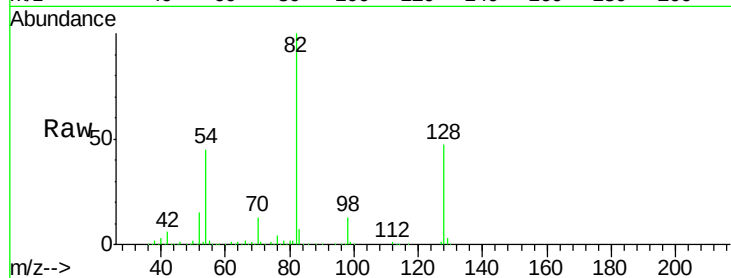




#19
n-Nitroso-di-n-propylamine
Concen: 16.908 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

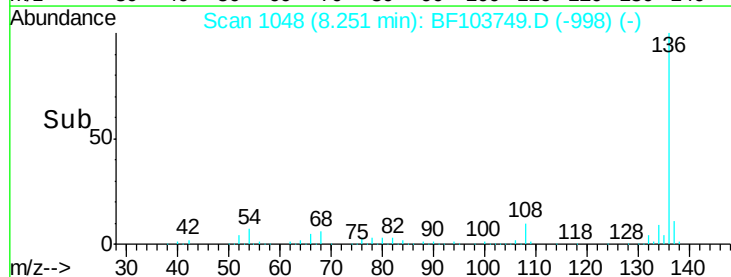
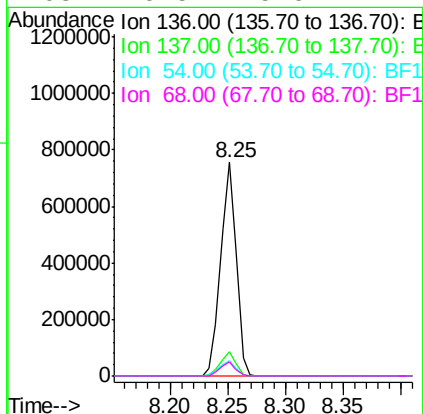
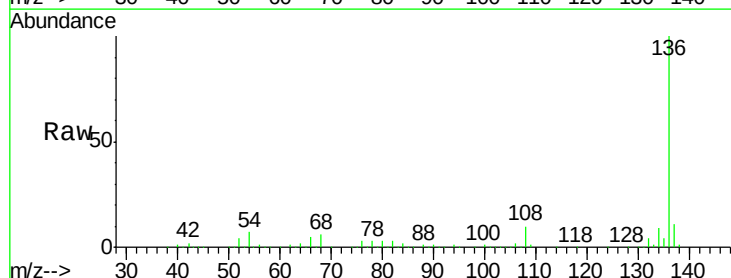
Instrument :
BNA_F
ClientSampled :

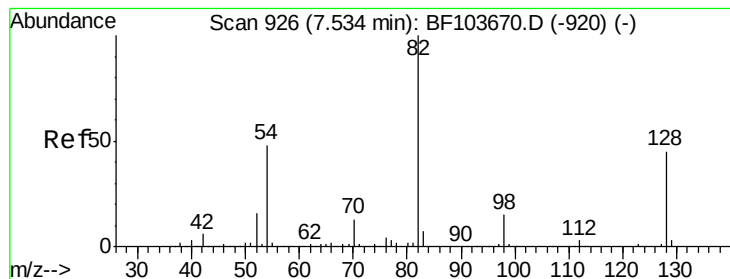
Tot Ion: 70 Resp: 150044
Ion Ratio Lower Upper
70 100
42 42.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:136 Resp: 710680
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.1 6.6 9.8
68 6.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 111.169 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103749.D

Acq: 19 Mar 2018 11:43

Instrument :

BNA_F

ClientSampleId :

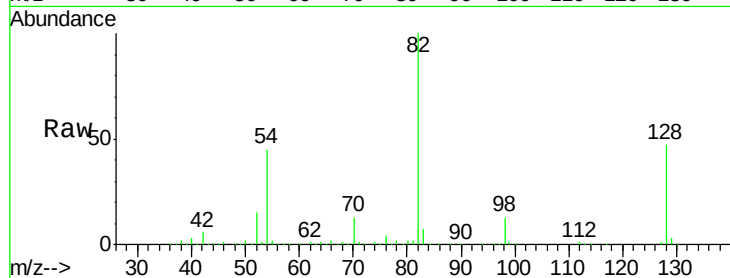
Tot Ion: 82 Resp: 1132922

Ion Ratio Lower Upper

82 100

128 47.0 36.1 54.1

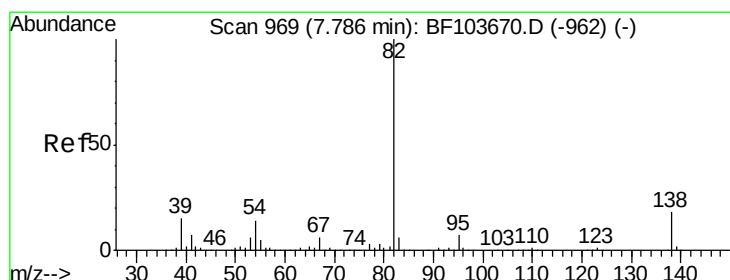
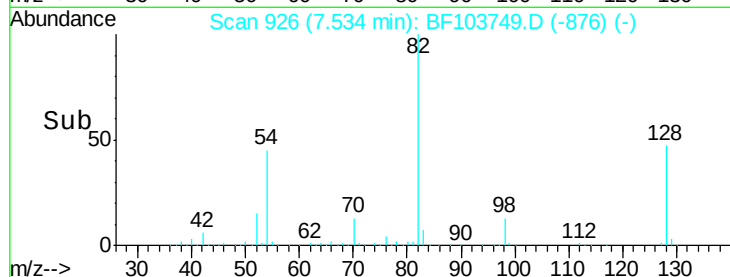
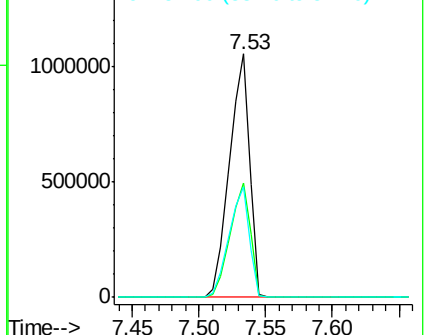
54 45.3 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 48.022 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103749.D

Acq: 19 Mar 2018 11:43

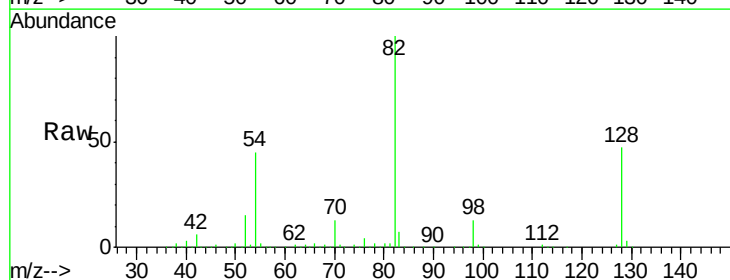
Tgt Ion: 82 Resp: 1132904

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

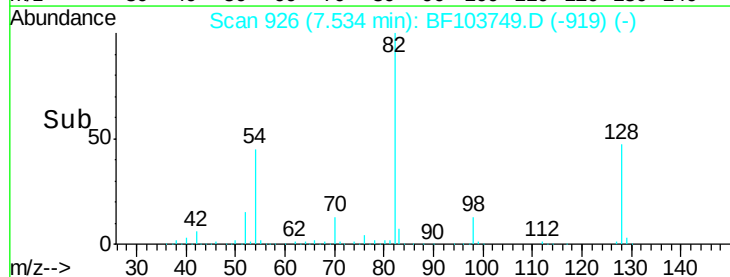
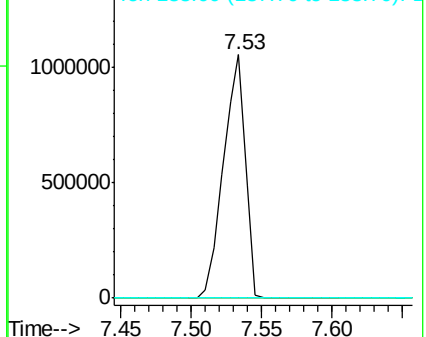
138 0.0 14.9 22.3#

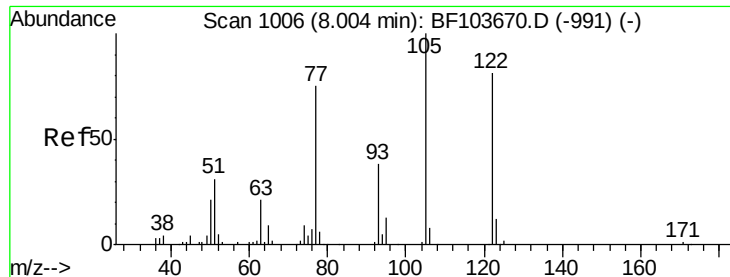


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

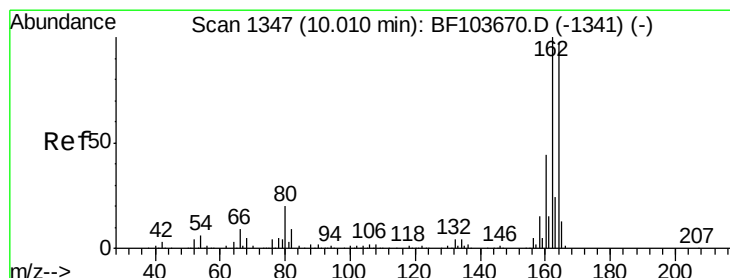
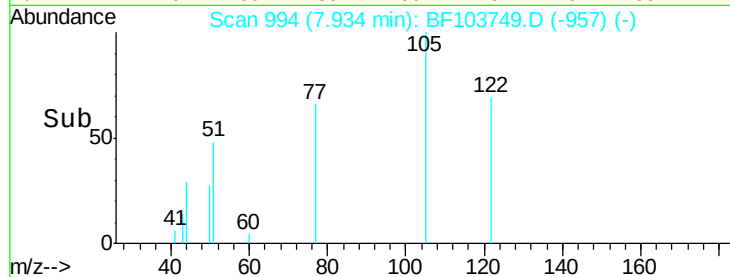
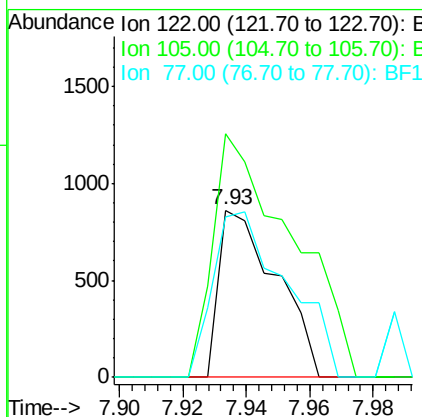
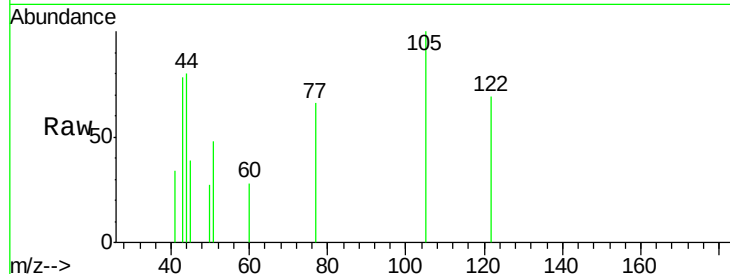




#32
Benzoic acid
Concen: 10.025 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.08 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

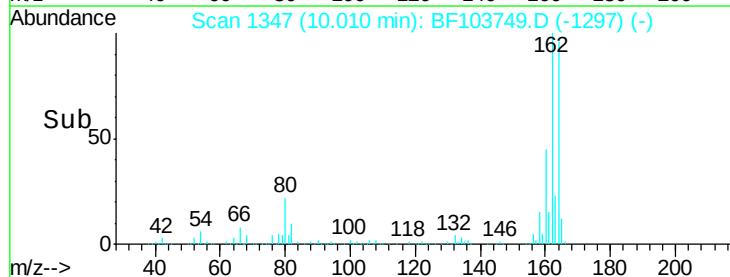
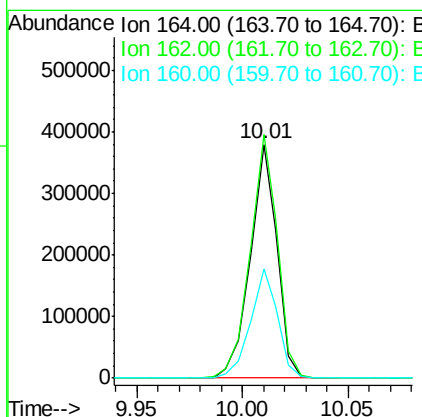
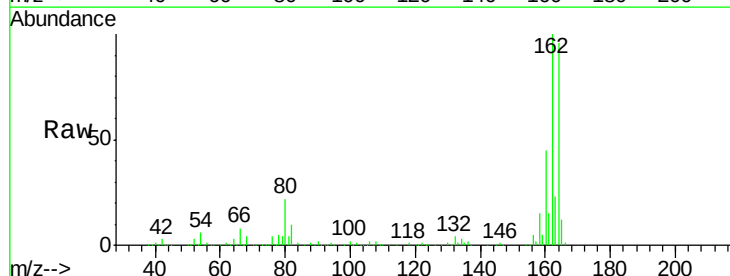
Instrument :
BNA_F
ClientSampled :

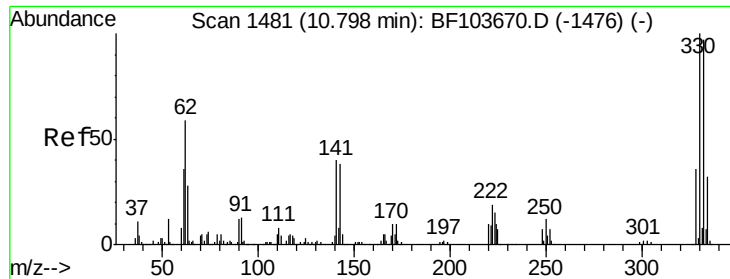
Tot Ion:122 Resp: 1081
Ion Ratio Lower Upper
122 100
105 145.9 101.1 141.1#
77 96.1 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:164 Resp: 332143
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 46.6 38.3 57.5

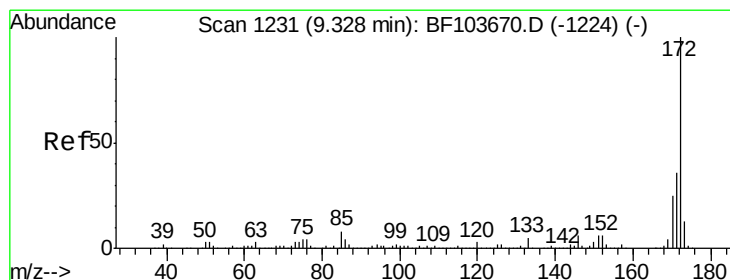
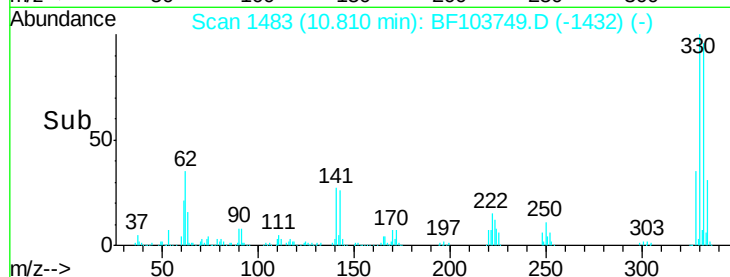
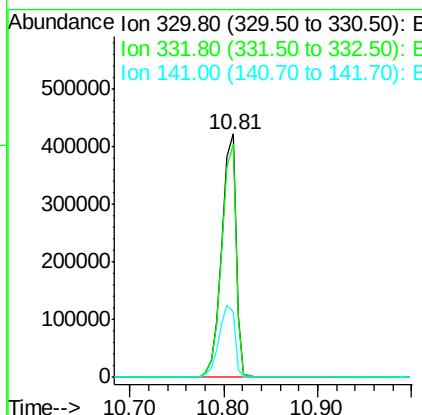
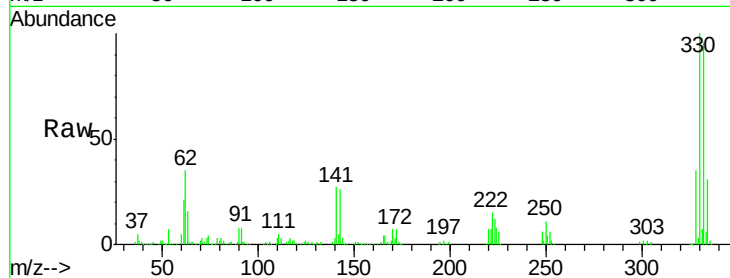




#41
 2,4,6-Tribromophenol
 Concen: 159.089 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

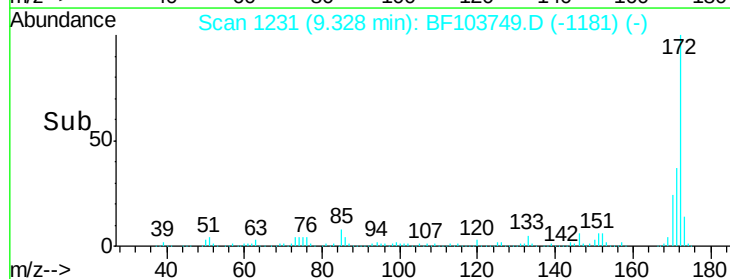
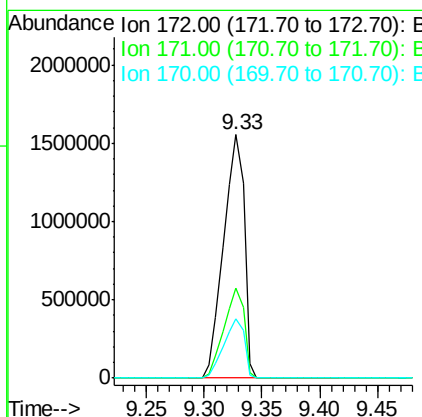
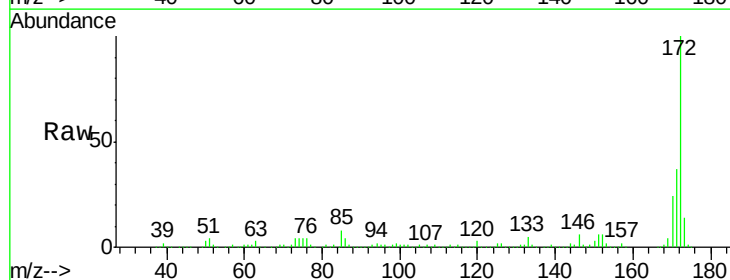
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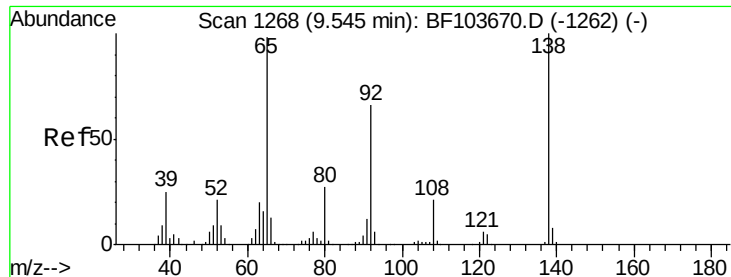
Tot Ion:330 Resp: 454324
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 32.7 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 92.548 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

Tgt Ion:172 Resp: 1927037
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.5 19.6 29.4

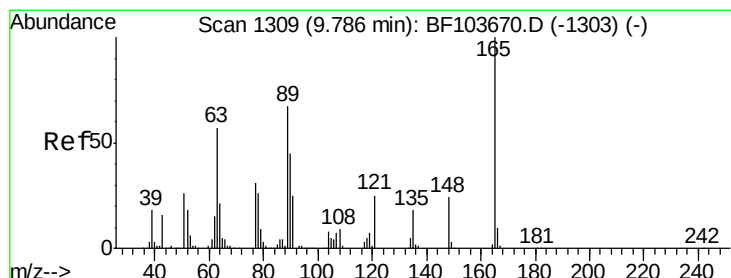
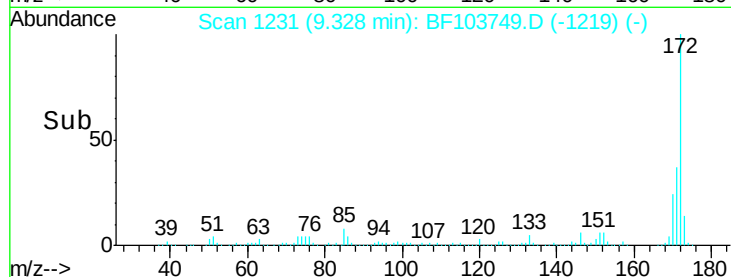
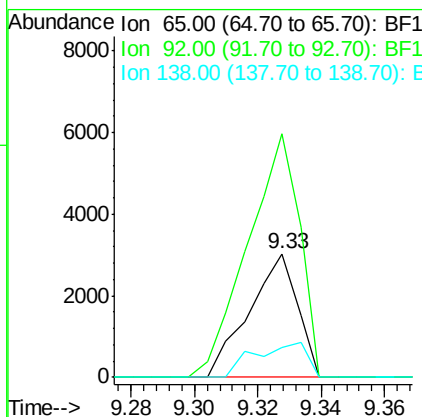
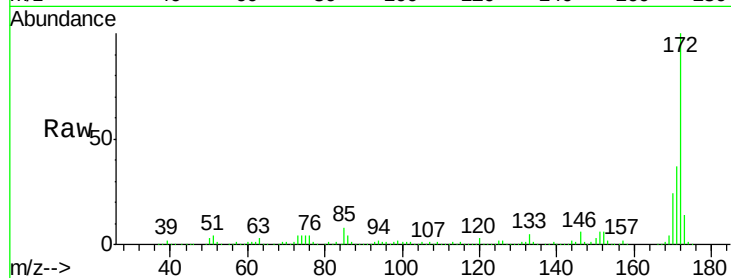




#47
 2-Nitroaniline
 Concen: 7.294 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.23 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

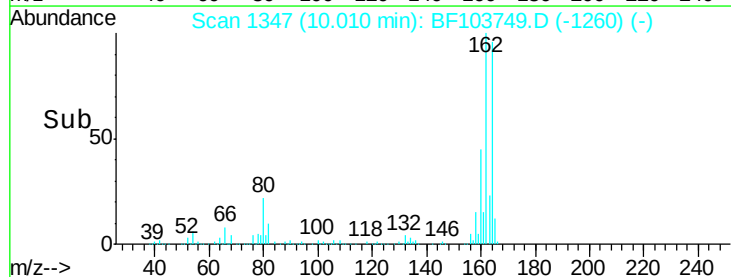
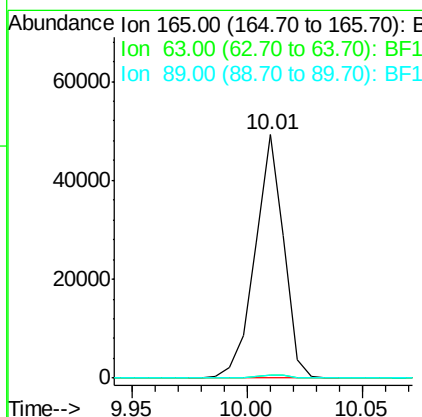
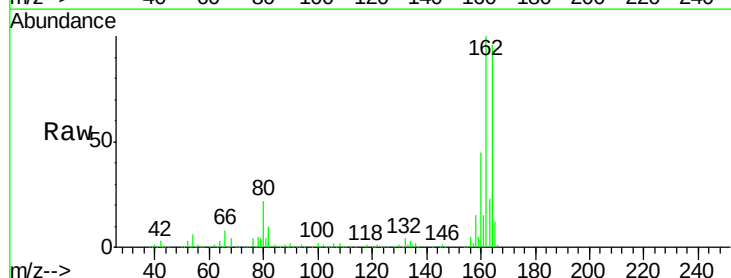
Instrument :
 BNA_F
 ClientSampleId :

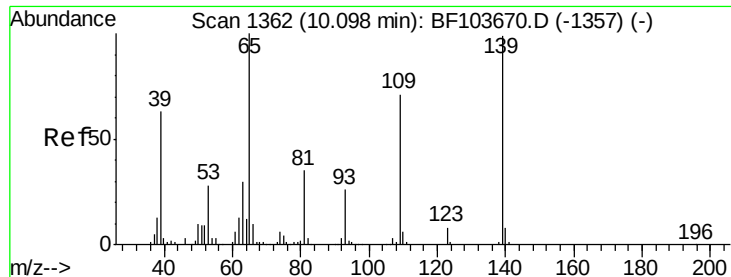
Tot Ion: 65 Resp: 3215
 Ion Ratio Lower Upper
 65 100
 92 197.3 55.8 83.6#
 138 24.2 91.2 136.8#



#50
 2,6-Dinitrotoluene
 Concen: 11.975 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.21 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

Tgt Ion:165 Resp: 42721
 Ion Ratio Lower Upper
 165 100
 63 1.0 44.7 67.1#
 89 1.2 44.0 66.0#

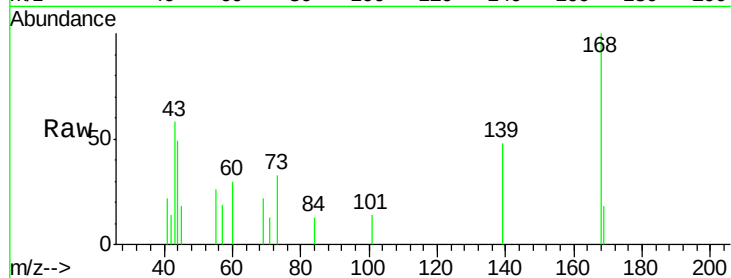




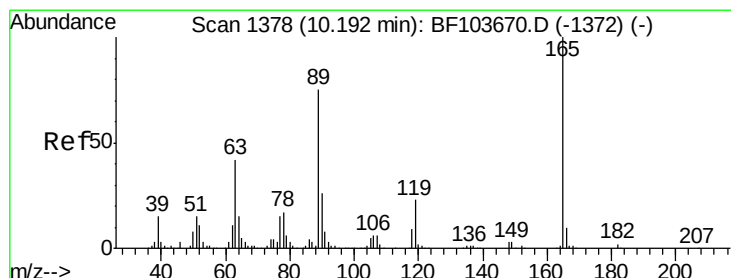
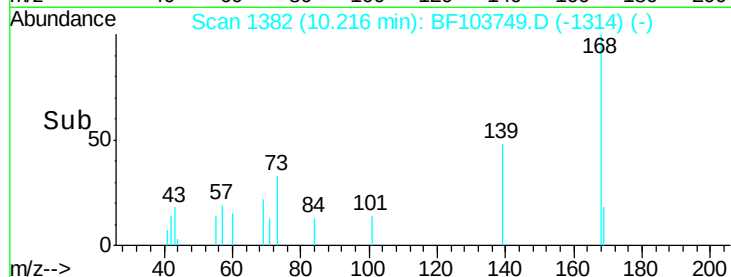
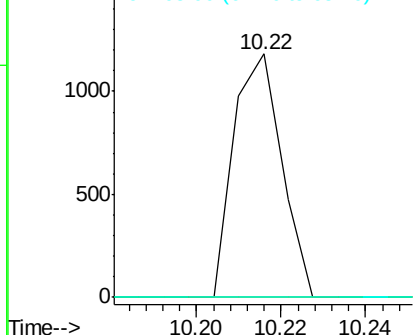
#55
4-Nitrophenol
Concen: 5.158 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.10 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 931
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

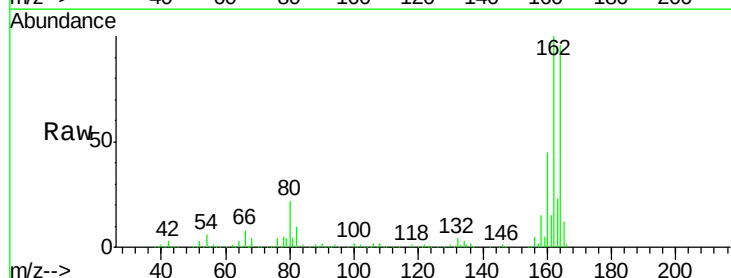


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

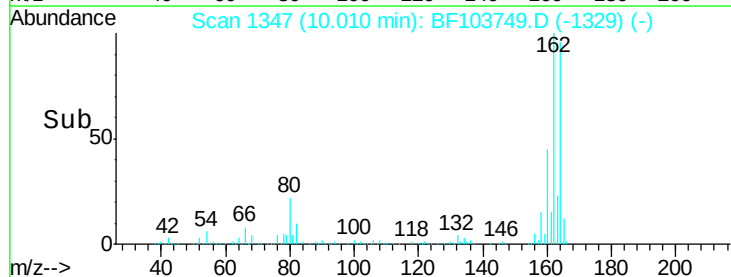
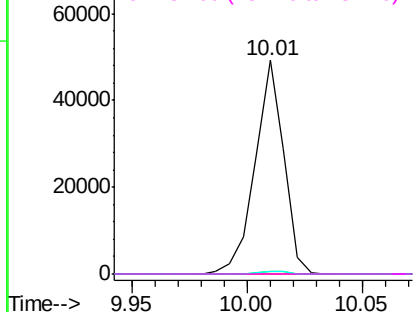


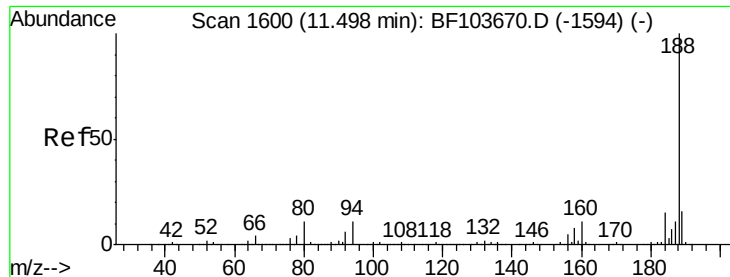
#56
2,4-Dinitrotoluene
Concen: 12.202 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.19 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:165 Resp: 42721
Ion Ratio Lower Upper
165 100
63 1.0 36.4 54.6#
89 1.2 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

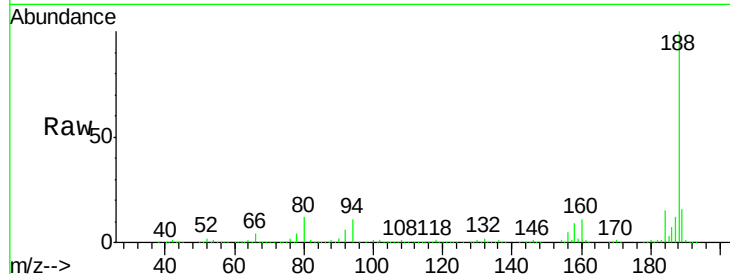




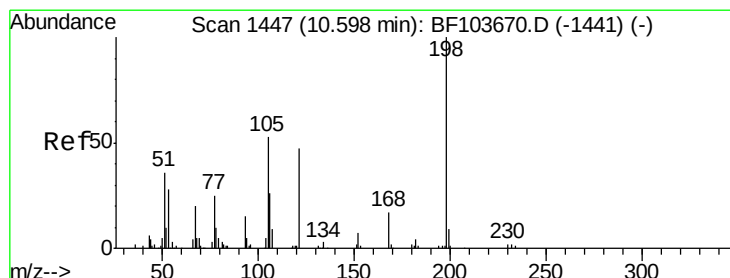
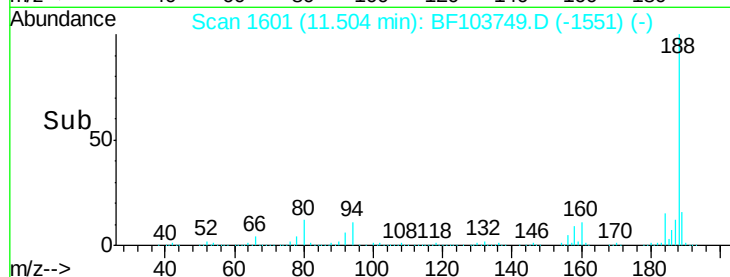
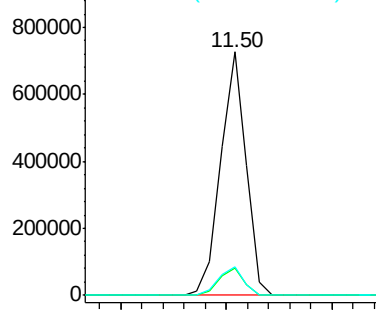
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 606271
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.8 9.2 13.8

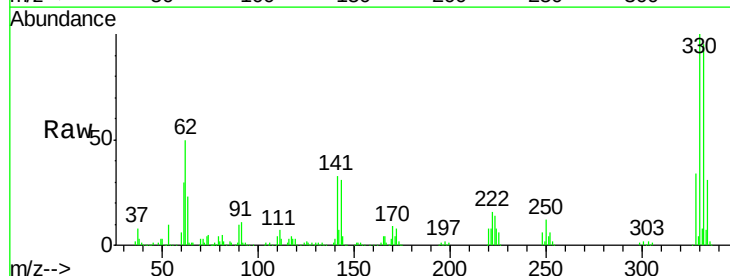


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

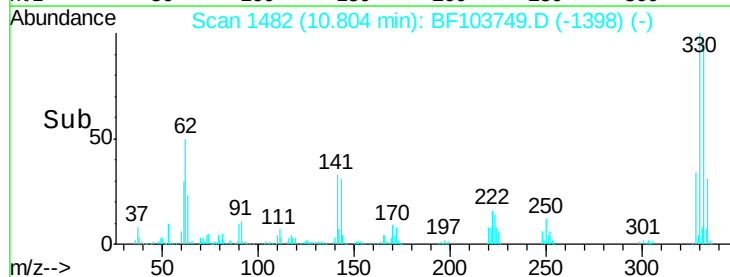
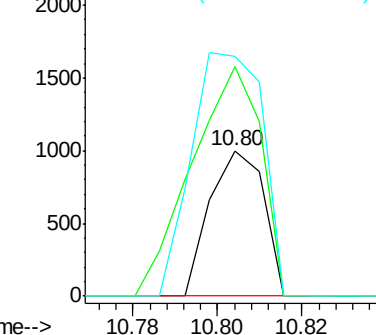


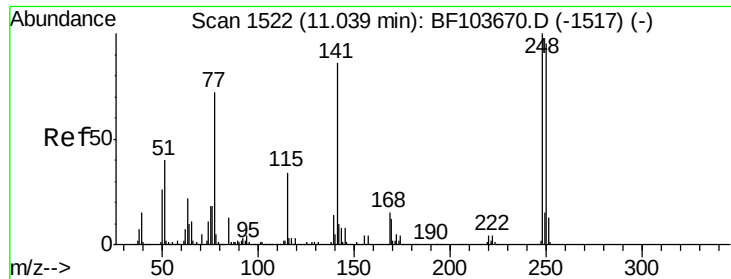
#64
4,6-Dinitro-2-methylphenol
Concen: 8.555 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:198 Resp: 887
Ion Ratio Lower Upper
198 100
51 158.3 37.7 77.7#
105 165.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

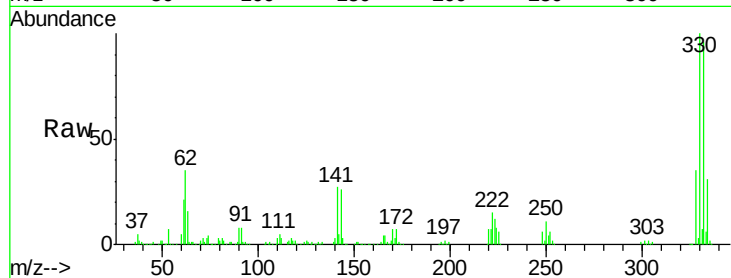




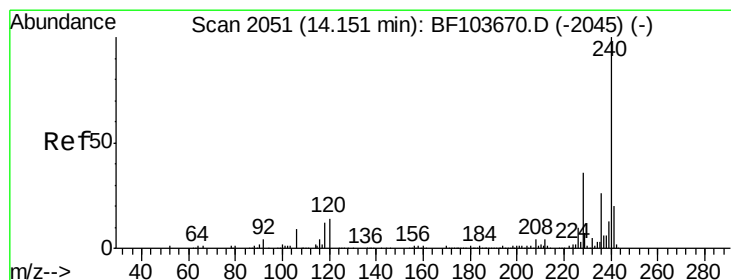
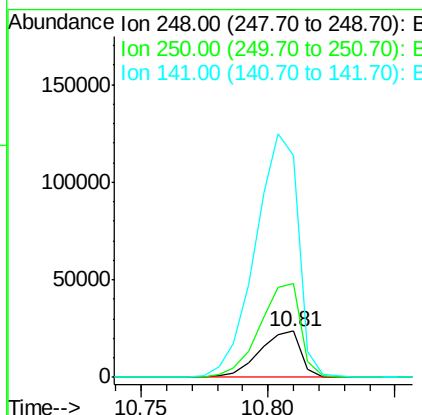
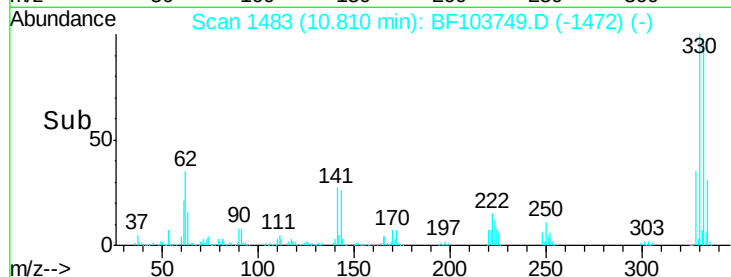
#66
4-Bromophenyl-phenylether
Concen: 4.332 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.24 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 26963
Ion Ratio Lower Upper
248 100
250 201.5 76.9 115.3#
141 478.3 74.4 111.6#

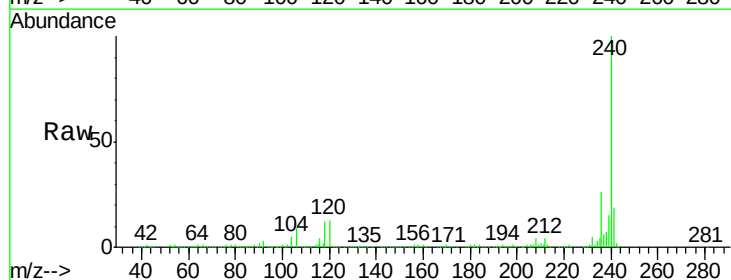


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

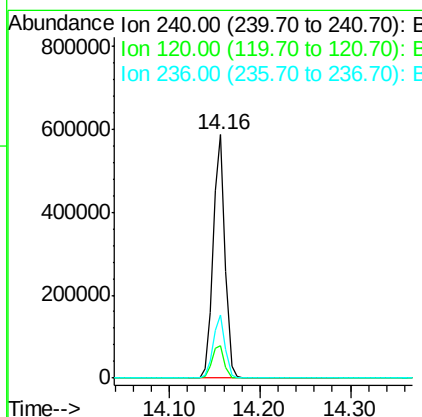
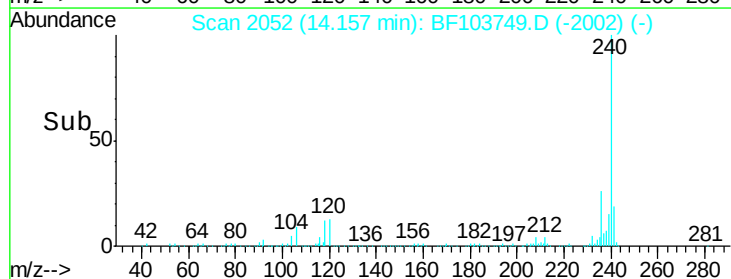


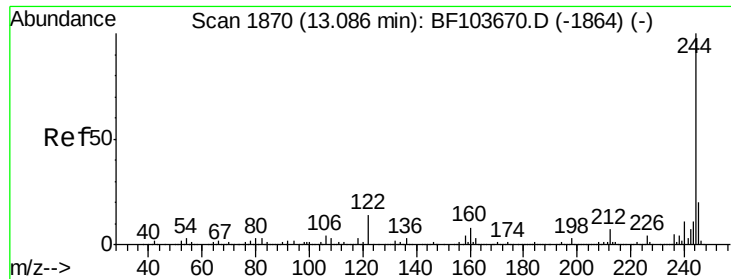
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103749.D
Acq: 19 Mar 2018 11:43

Tgt Ion:240 Resp: 536977
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 26.0 20.7 31.1



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

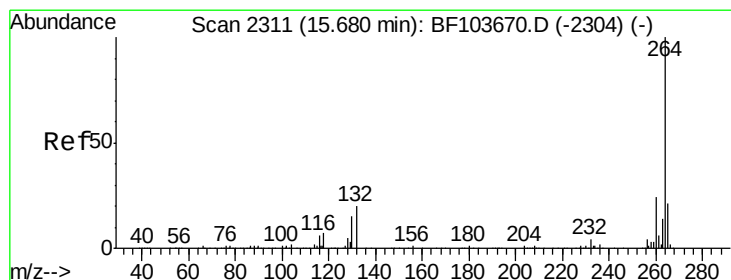
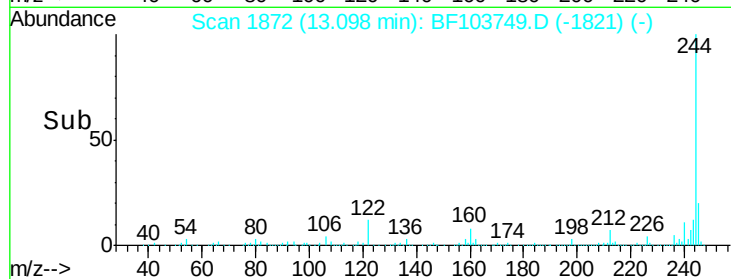
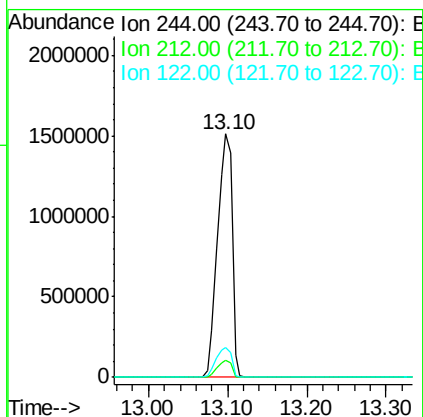
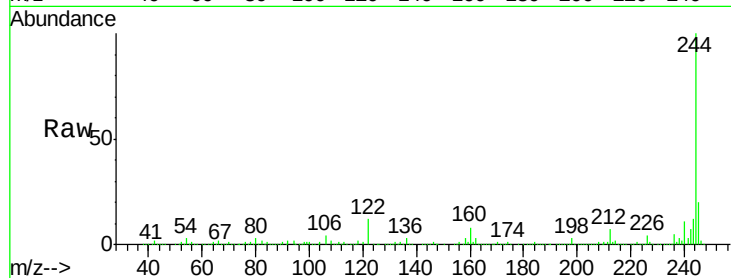




#78
 Terphenyl-d14
 Concen: 83.427 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1930000
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 12.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF103749.D
 Acq: 19 Mar 2018 11:43

Tgt Ion:264 Resp: 495176
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.3 17.5 26.3

