

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117602.D
 Acq On : 29 Oct 2019 20:18
 Operator : JU
 Sample : K5497-19 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 04:21:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

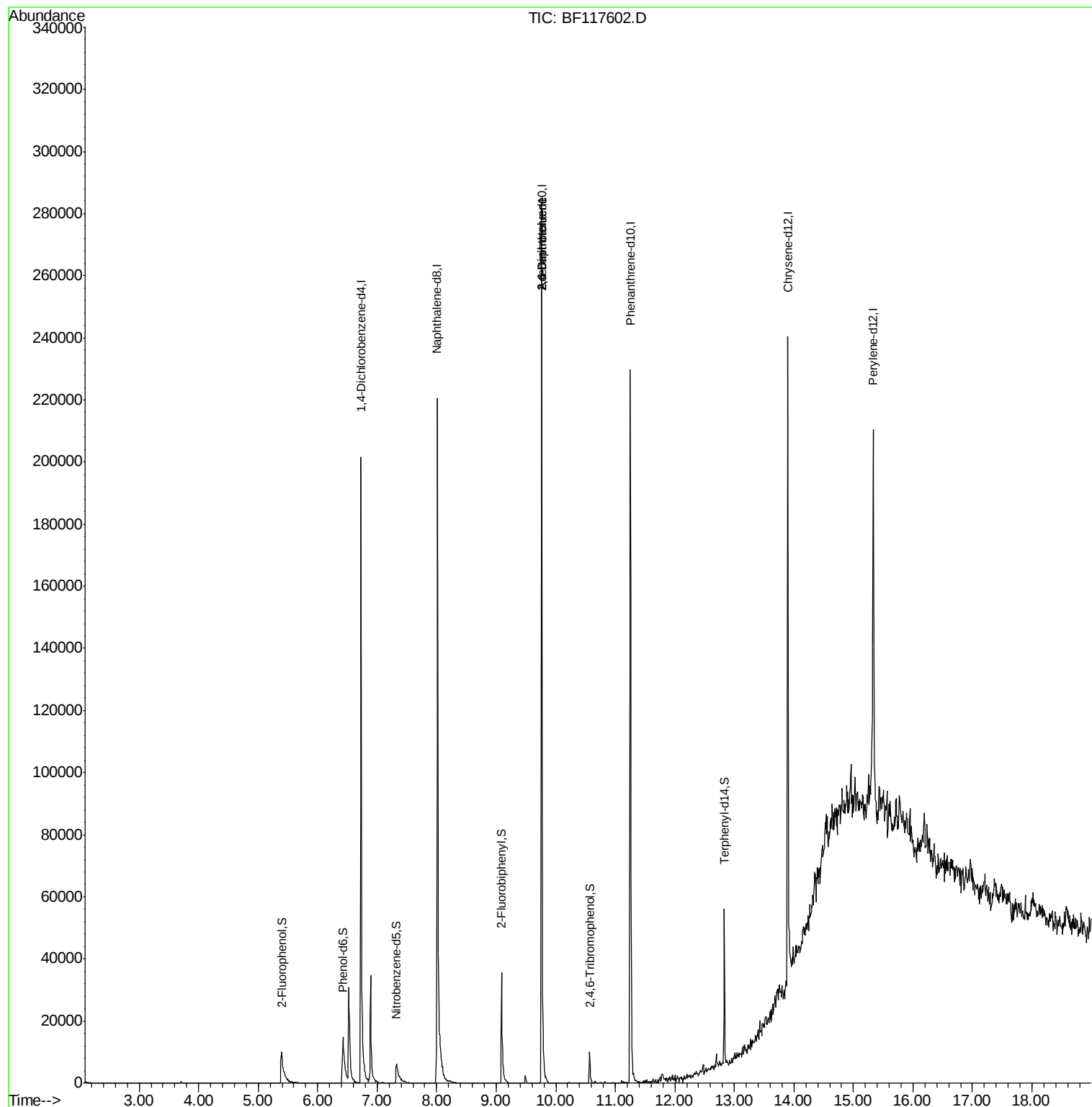
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	37101	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	151981	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66786	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	101327	20.00	ng	0.00
76) Chrysene-d12	13.90	240	72255	20.00	ng	0.00
87) Perylene-d12	15.33	264	56516	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	11968	4.80	ng	0.04
7) Phenol-d6	6.42	99	20906	6.24	ng	0.04
23) Nitrobenzene-d5	7.32	82	9903	3.22	ng	0.02
42) 2,4,6-Tribromophenol	10.57	330	2534	4.39	ng	0.01
45) 2-Fluorobiphenyl	9.09	172	22464	4.74	ng	0.00
79) Terphenyl-d14	12.83	244	19001	4.29	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	9.76	165	8636	8.692	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8636	6.538	ng	# 12
77) Benzidine	12.83	184	275	Below Cal		# 67

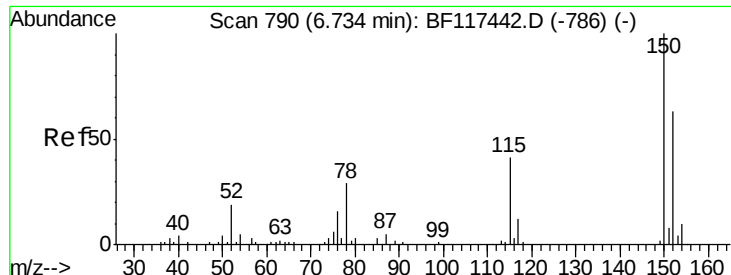
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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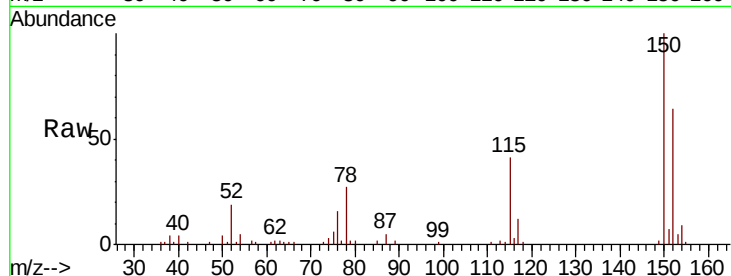


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117602.D
Acq: 29 Oct 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.8	190.2
115	64.3	51.6	77.4

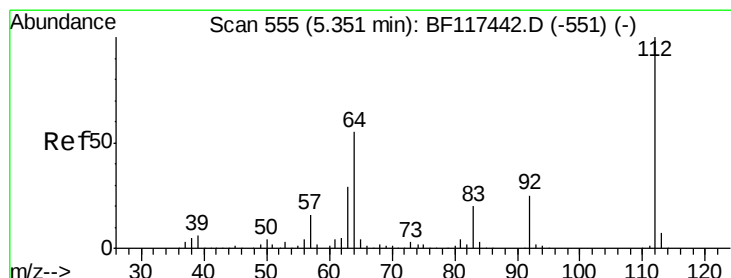
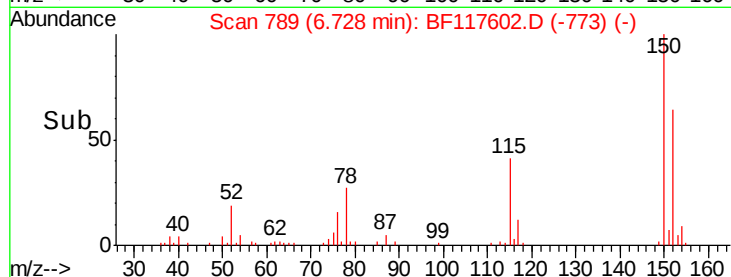
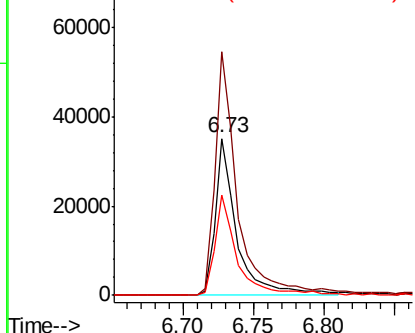


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

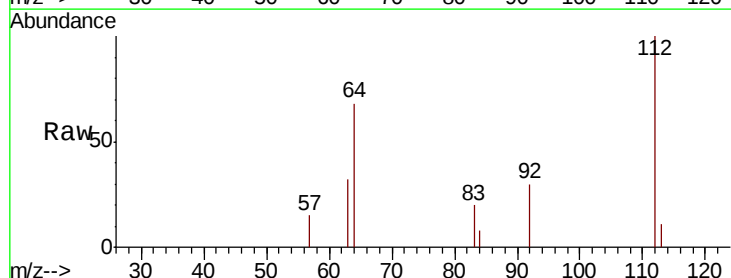
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.799 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.04 min
Lab File: BF117602.D
Acq: 29 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	44.1	66.1#
63	31.9	23.4	35.2

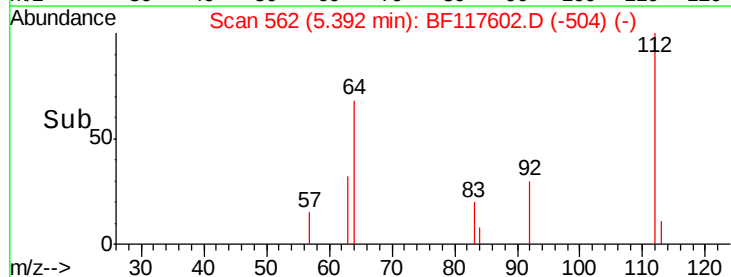
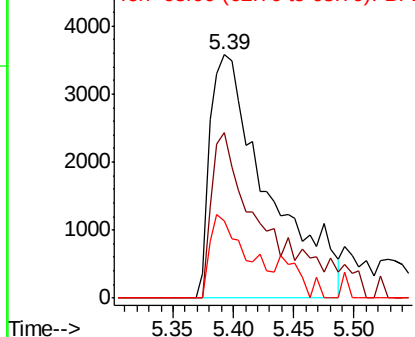


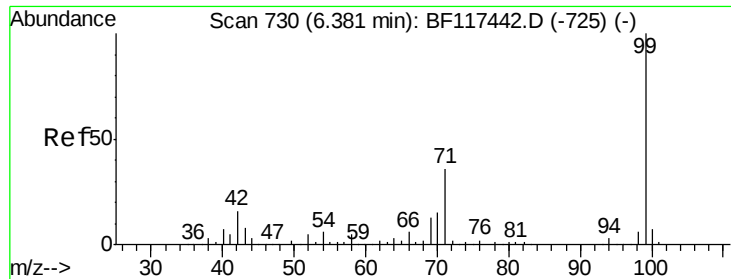
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 6.242 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.04 min

Lab File: BF117602.D

Acq: 29 Oct 2019 20:18

Instrument :

BNA_F

ClientSampleId :

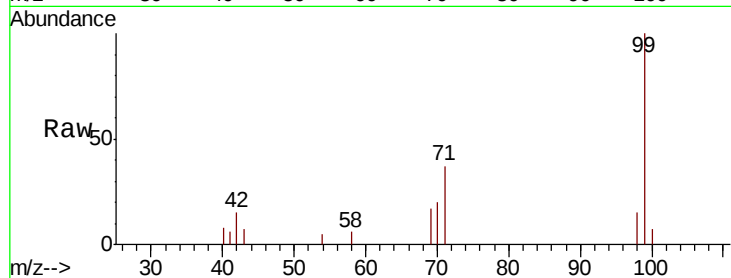
Tot Ion: 99 Resp: 20906

Ion Ratio Lower Upper

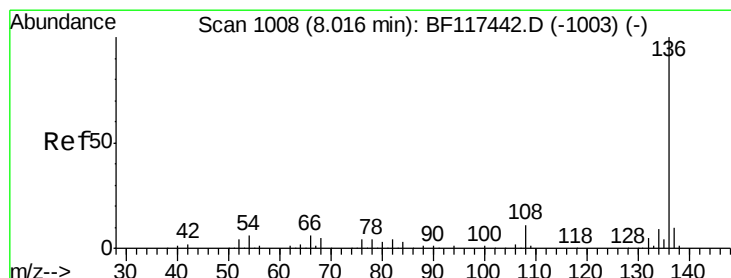
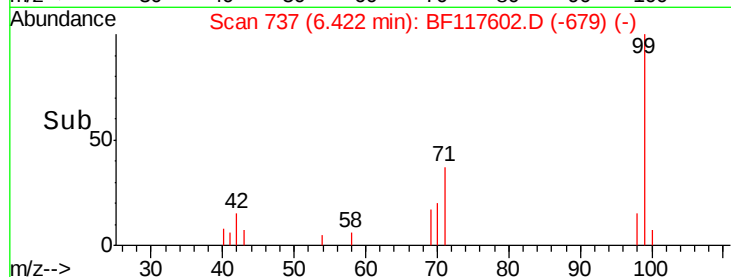
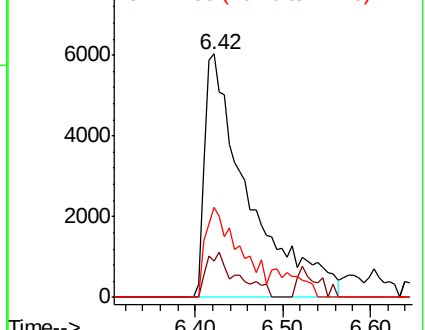
99 100

42 15.1 12.8 19.2

71 36.8 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117602.D

Acq: 29 Oct 2019 20:18

Tgt Ion: 136 Resp: 151981

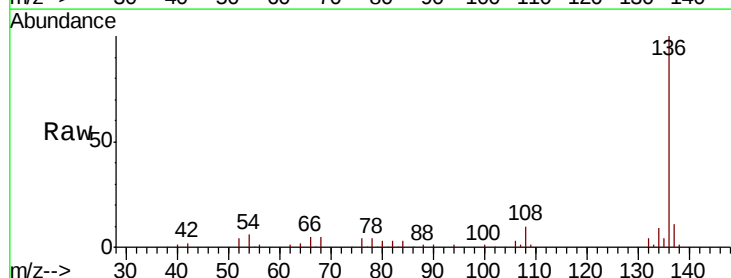
Ion Ratio Lower Upper

136 100

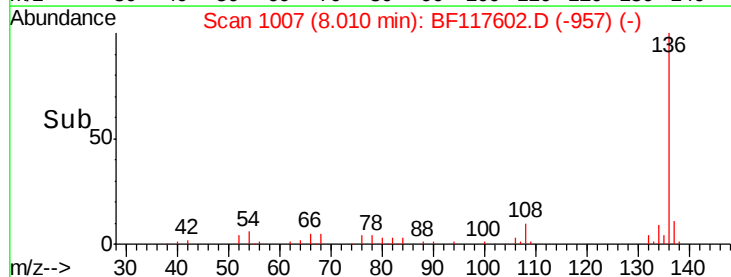
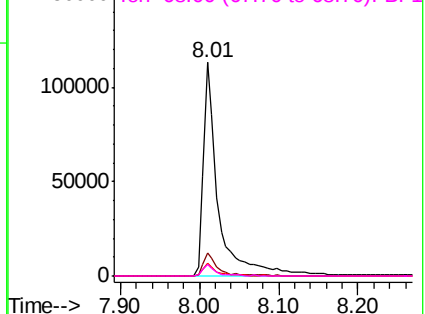
137 10.8 8.2 12.4

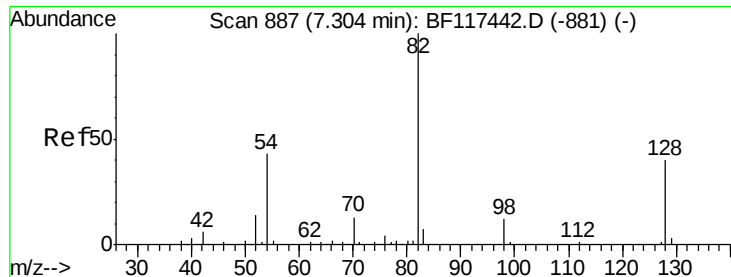
54 5.9 4.5 6.7

68 5.4 4.3 6.5



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

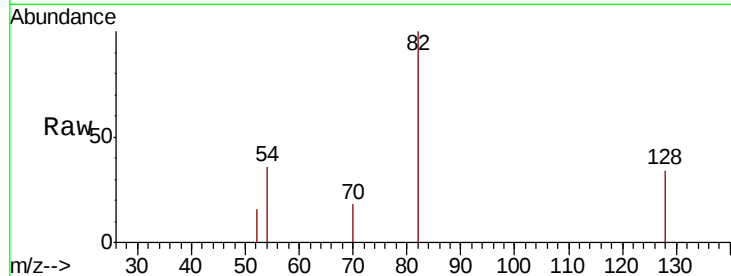




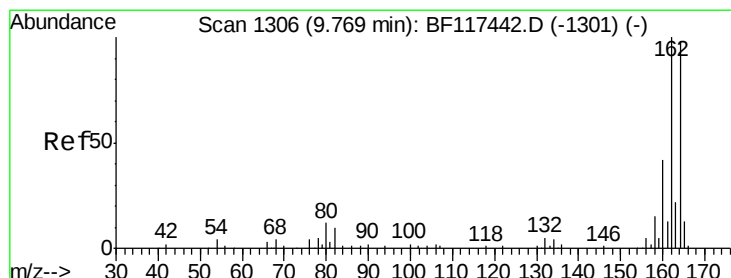
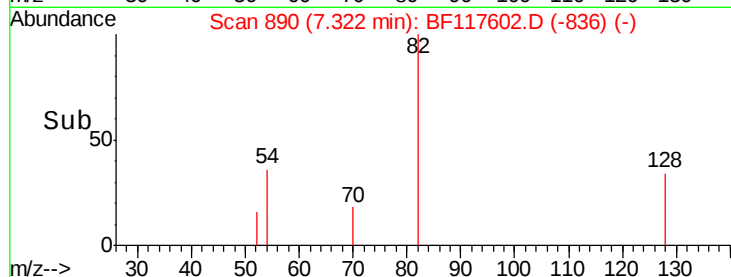
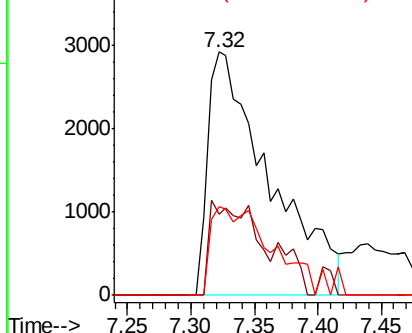
#23
 Nitrobenzene-d5
 Concen: 3.217 ng
 RT: 7.32 min Scan# 890
 Delta R.T. 0.02 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	9903
Ion Ratio	Lower	Upper	
82	100		
128	33.5	32.2	48.2
54	36.4	34.2	51.2

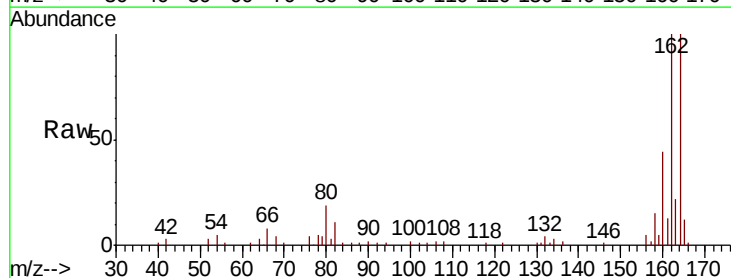


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

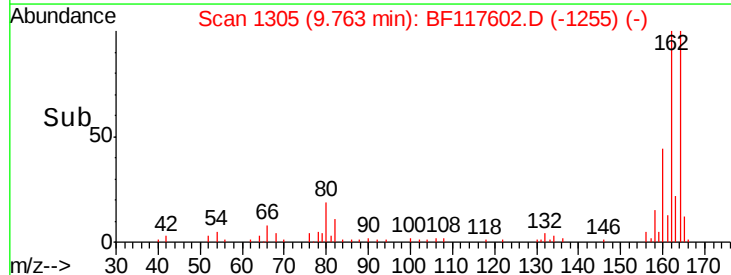
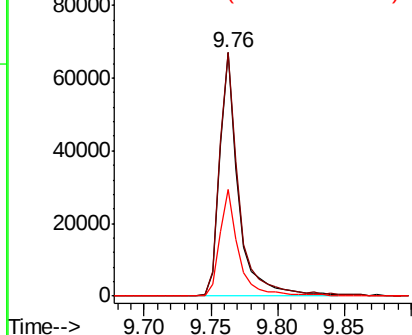


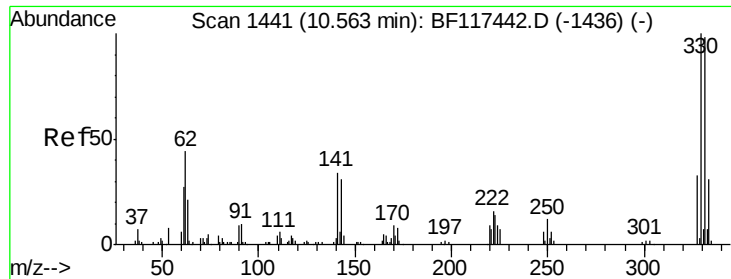
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Tgt Ion	164	Resp	66786
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.8	122.6
160	43.6	34.4	51.6



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

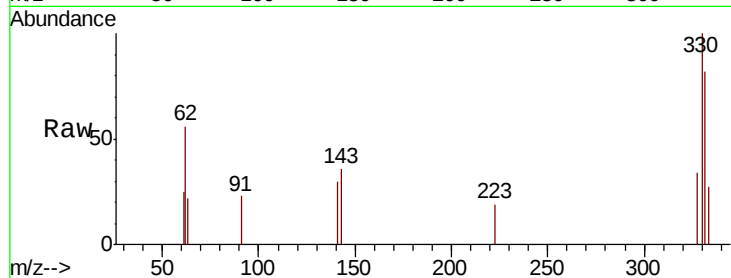




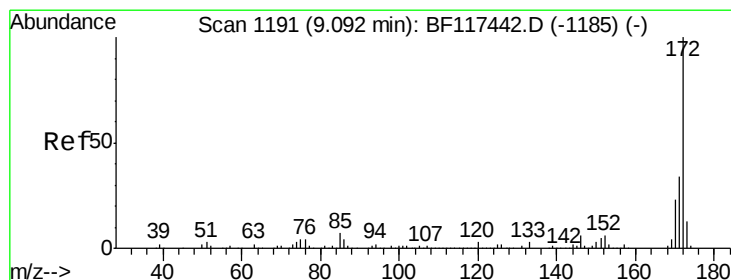
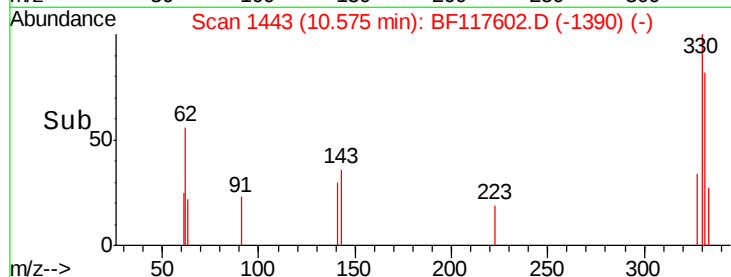
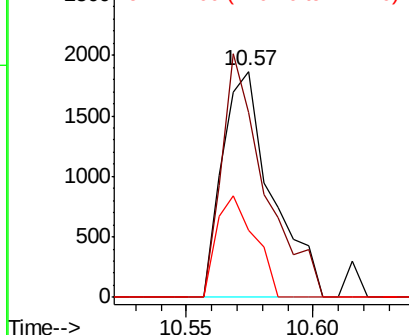
#42
 2,4,6-Tribromophenol
 Concen: 4.385 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 2534
 Ion Ratio Lower Upper
 330 100
 332 93.6 78.5 117.7
 141 34.6 37.0 55.6#

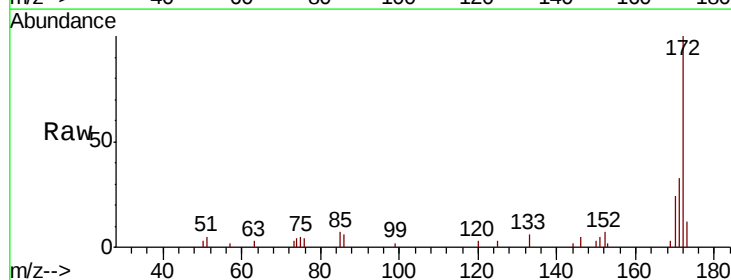


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

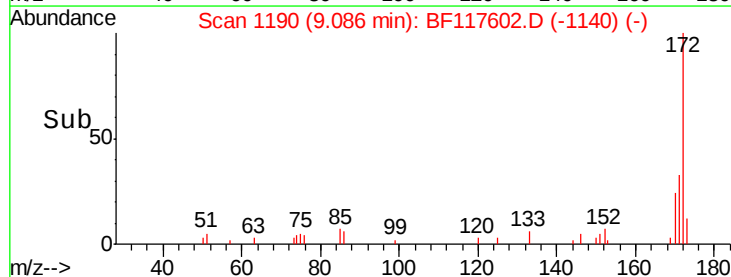
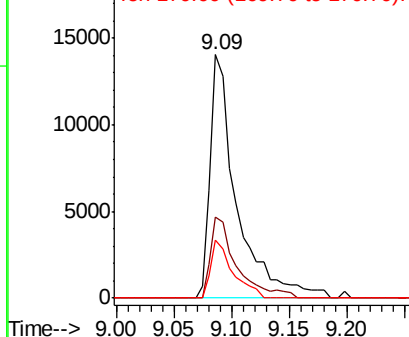


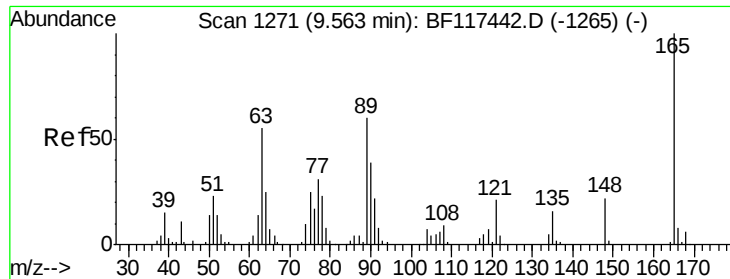
#45
 2-Fluorobiphenyl
 Concen: 4.739 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Tgt Ion:172 Resp: 22464
 Ion Ratio Lower Upper
 172 100
 171 33.1 27.5 41.3
 170 23.6 18.6 27.8



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

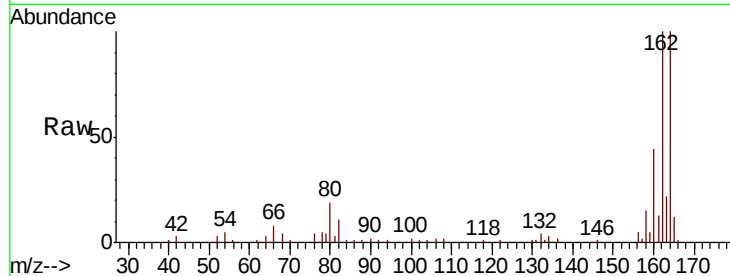




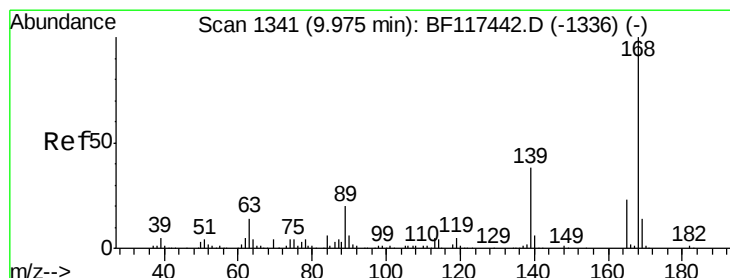
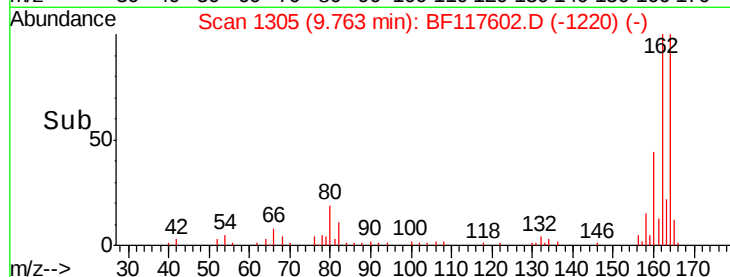
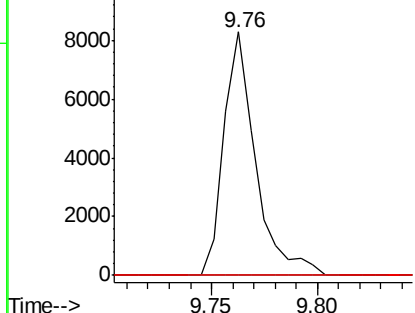
#51
 2,6-Dinitrotoluene
 Concen: 8.692 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 8636
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 47.6 71.4#

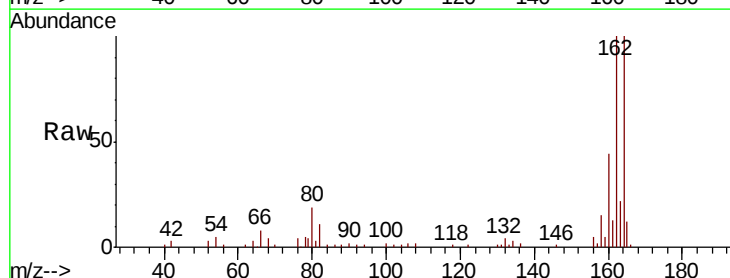


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

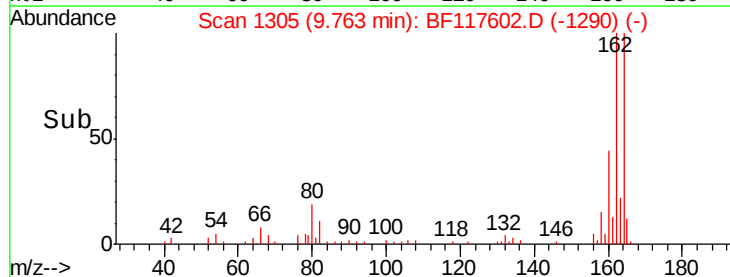
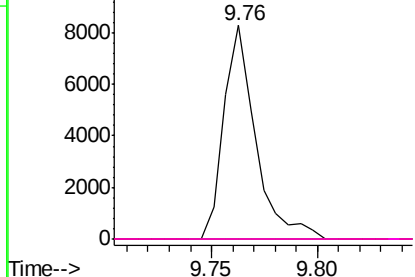


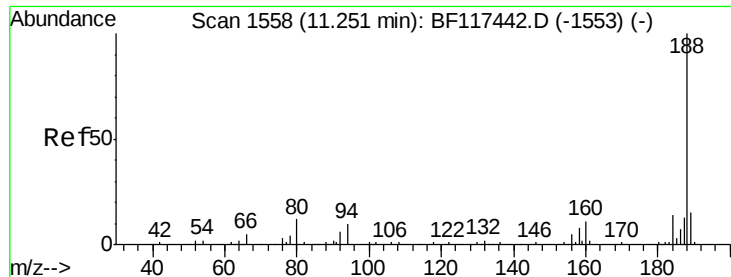
#57
 2,4-Dinitrotoluene
 Concen: 6.538 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Tgt Ion:165 Resp: 8636
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117602.D

Acq: 29 Oct 2019 20:18

Instrument :

BNA_F

ClientSampleId :

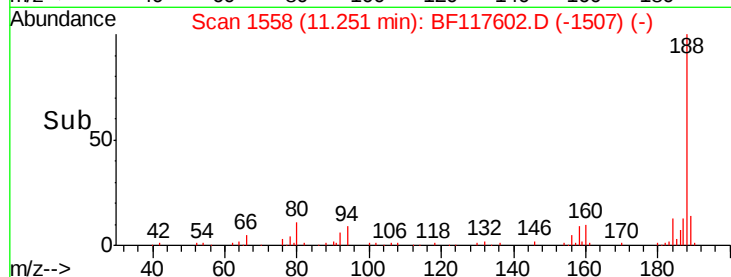
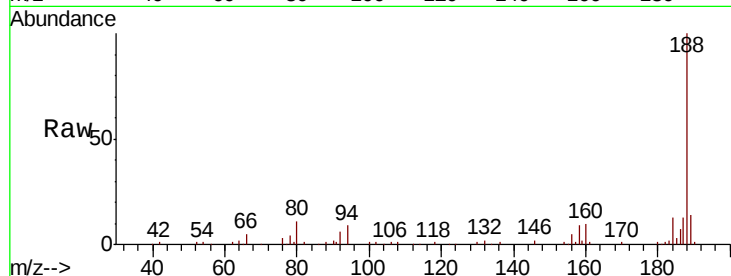
Tot Ion:188 Resp: 101327

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

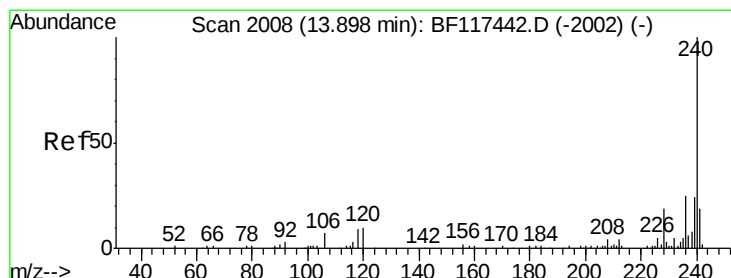
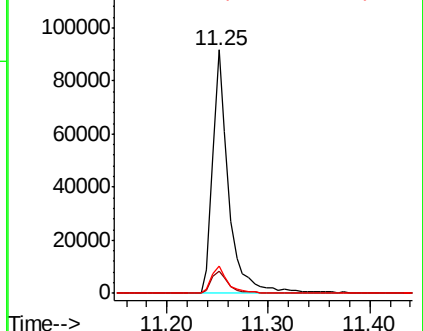
80 11.3 9.5 14.3



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117602.D

Acq: 29 Oct 2019 20:18

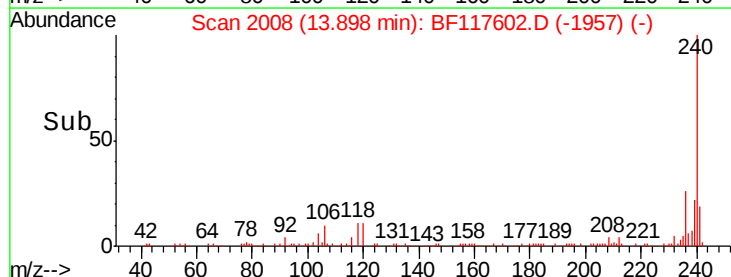
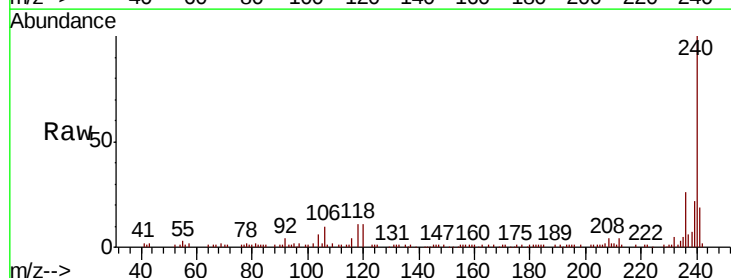
Tgt Ion:240 Resp: 72255

Ion Ratio Lower Upper

240 100

120 11.3 8.4 12.6

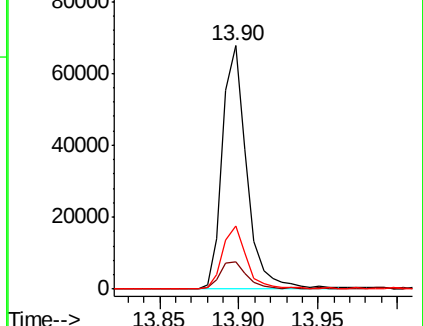
236 25.9 20.0 30.0

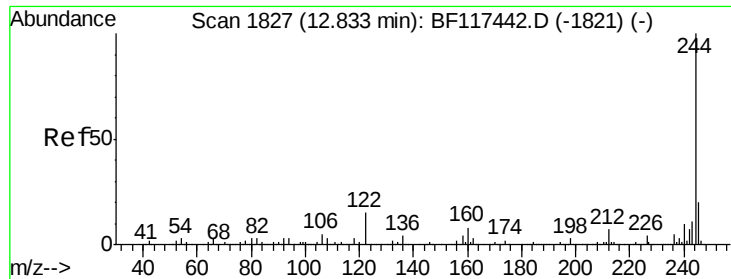


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

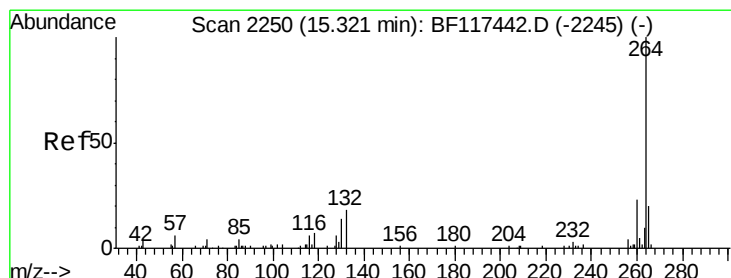
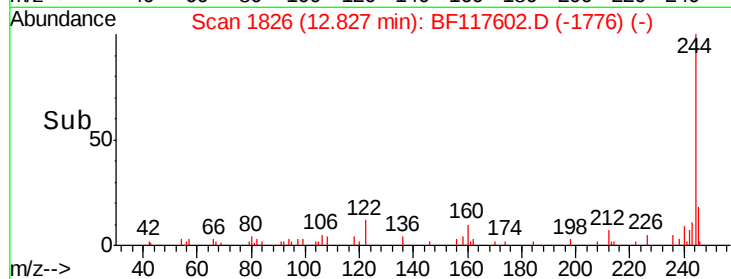
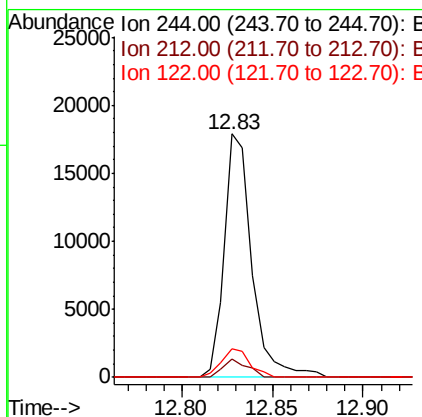
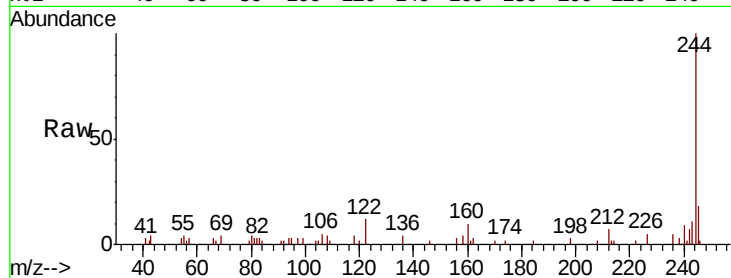




#79
 Terphenyl-d14
 Concen: 4.289 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	11.5	11.8	17.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117602.D
 Acq: 29 Oct 2019 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.4	27.6
265	22.4	16.1	24.1

