

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070816\
 Data File : BF088853.D
 Acq On : 9 Jul 2016 5:08
 Operator : UM/SJ
 Sample : H3813-27 50X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 09 05:49:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 18:51:20 2016
 Response via : Initial Calibration

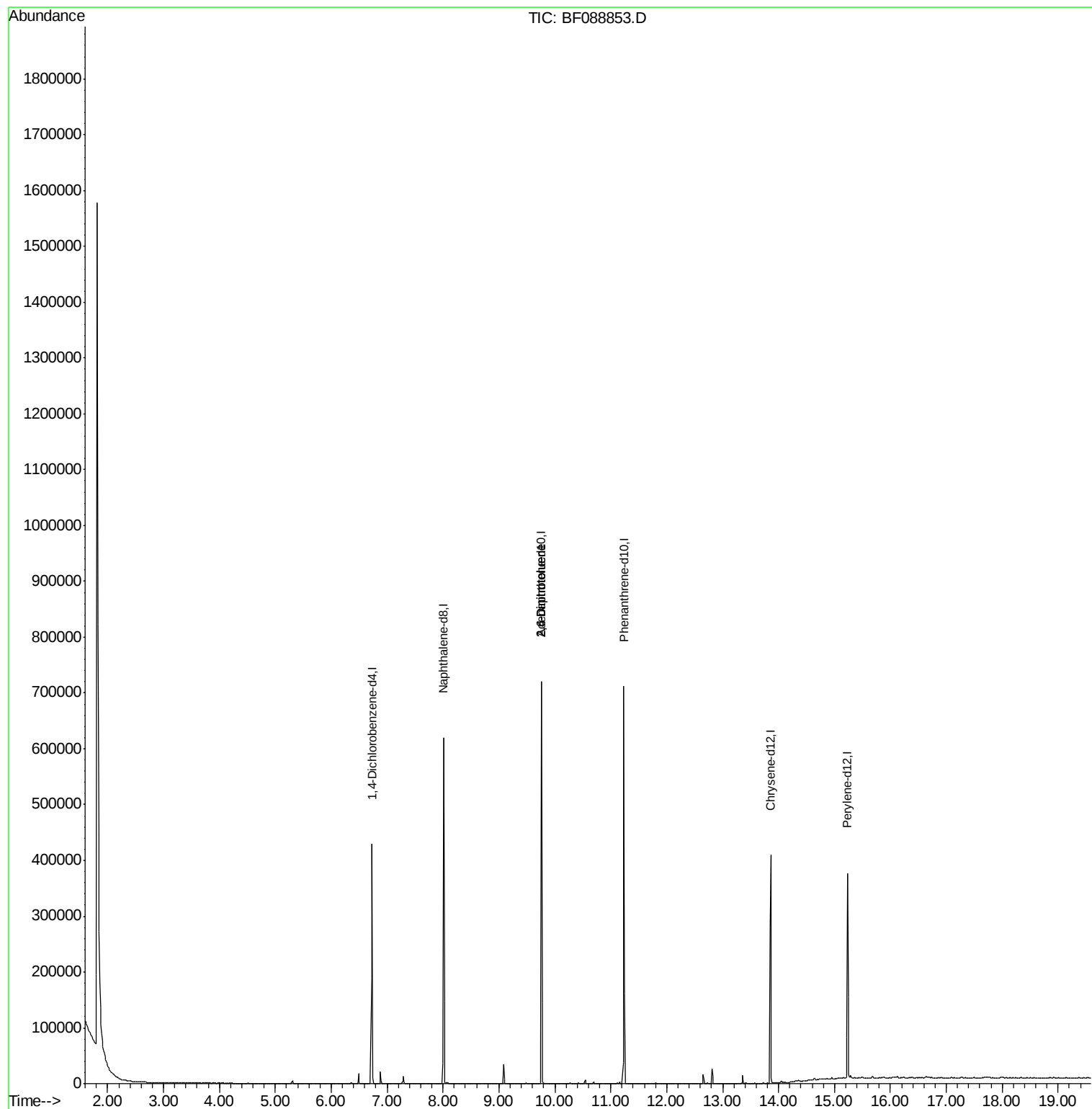
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	73766	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	274672	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	132652	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	248897	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	177484	20.00	ng	-0.01
86) Perylene-d12	15.23	264	155153	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	2601	0.53	ng	-0.01
7) Phenol-d6	6.35	99	2245	0.35	ng	-0.02
23) Nitrobenzene-d5	7.29	82	5644	1.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	1632	1.32	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	13107	1.56	ng	-0.01
78) Terphenyl-d14	12.81	244	11611	1.46	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.76	165	16704	7.98	ng	# 40
56) 2,4-Dinitrotoluene	9.76	165	16704	6.10	ng	# 38

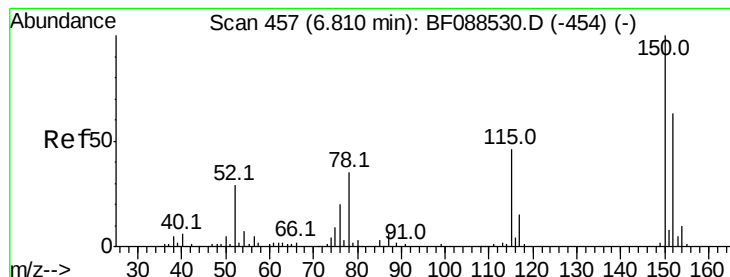
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.00 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

Instrument :

BNA_F

ClientSampleId :

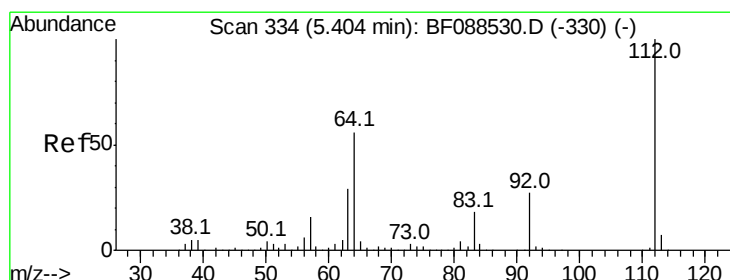
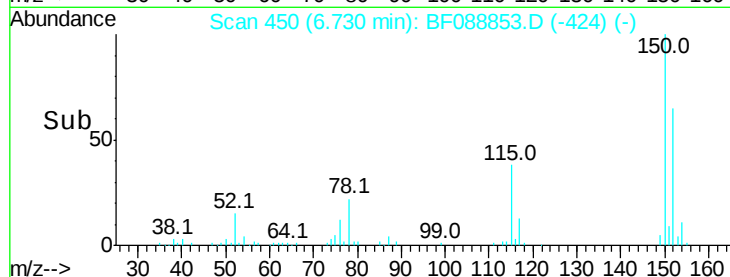
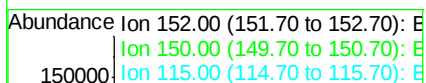
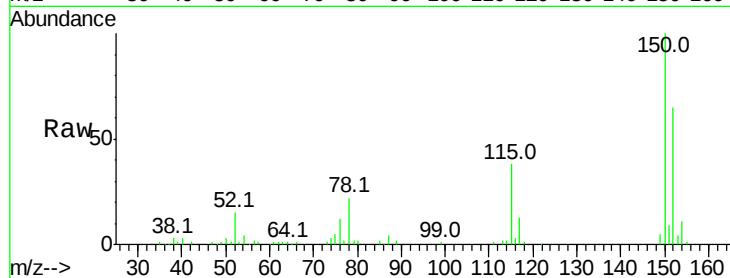
Tot Ion:152 Resp: 73766

Ion Ratio Lower Upper

152 100

150 153.3 123.8 185.6

115 58.5 39.6 59.4



#5

2-Fluorophenol

Concen: 0.53 ng

RT: 5.31 min Scan# 326

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

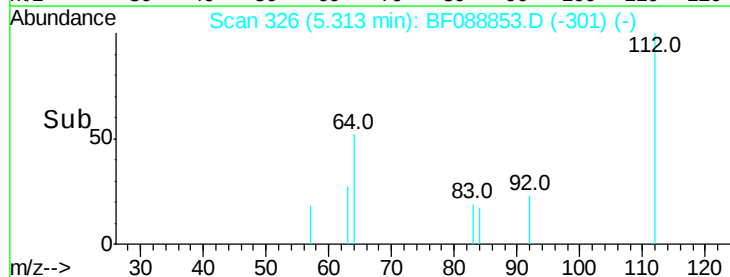
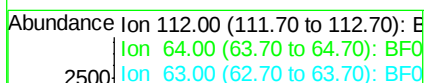
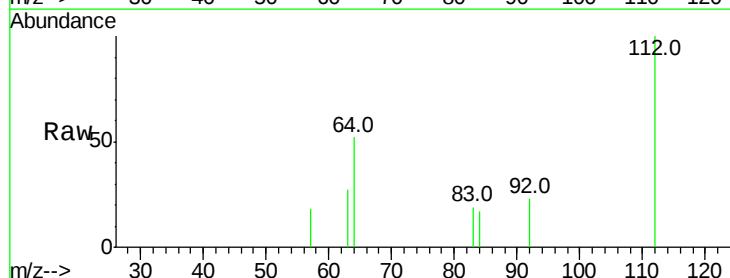
Tgt Ion:112 Resp: 2601

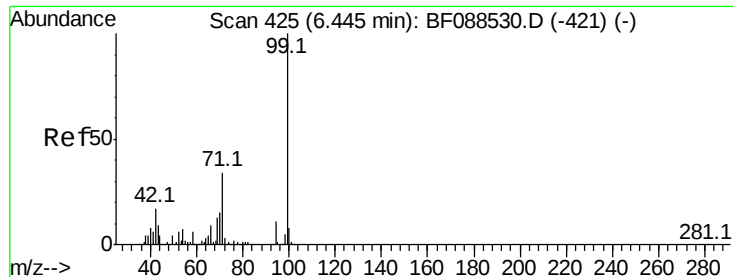
Ion Ratio Lower Upper

112 100

64 52.5 42.2 63.2

63 27.0 21.8 32.8





#7

Phenol-d6

Concen: 0.35 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

Instrument :

BNA_F

ClientSampleId :

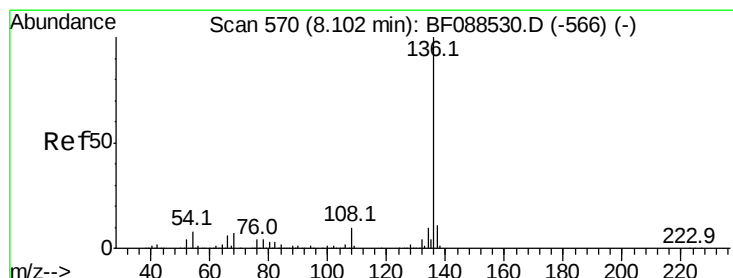
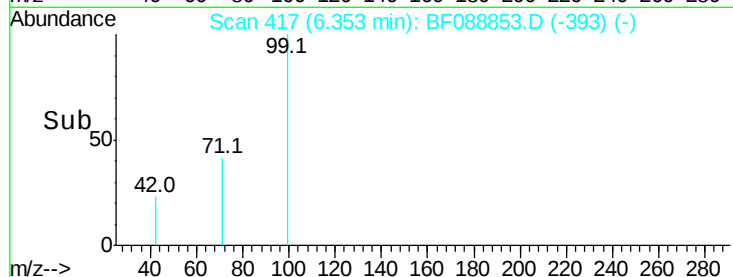
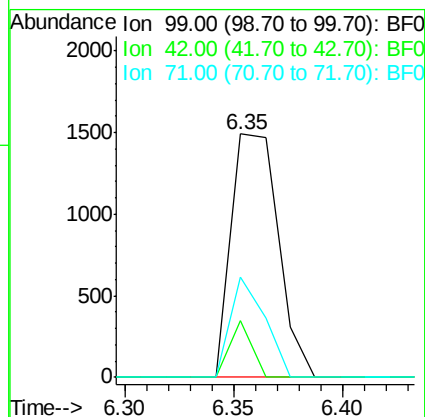
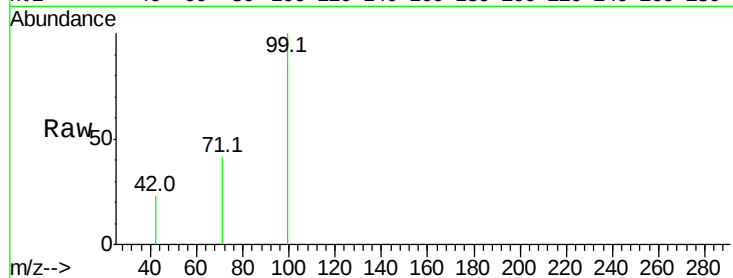
Tot Ion: 99 Resp: 2245

Ion Ratio Lower Upper

99 100

42 23.3 12.2 18.2#

71 41.2 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

Tgt Ion: 136 Resp: 274672

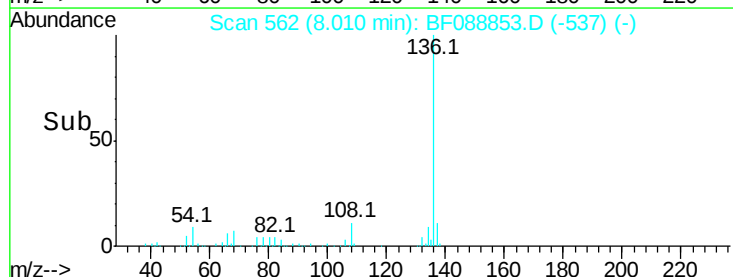
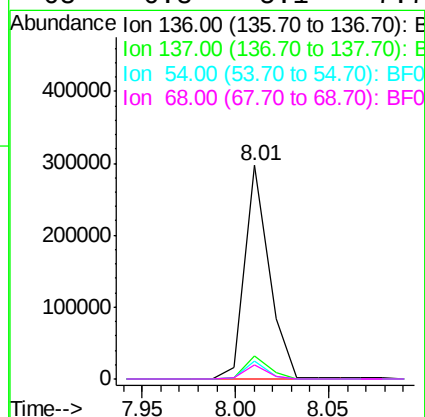
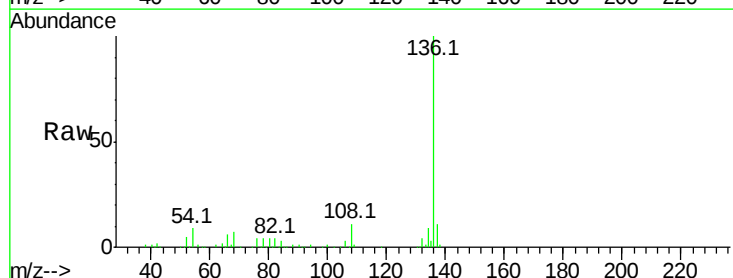
Ion Ratio Lower Upper

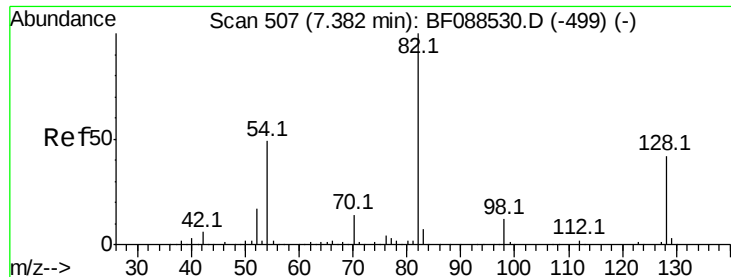
136 100

137 11.0 9.1 13.7

54 8.5 6.6 10.0

68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 1.08 ng

RT: 7.29 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

Instrument :

BNA_F

ClientSampleId :

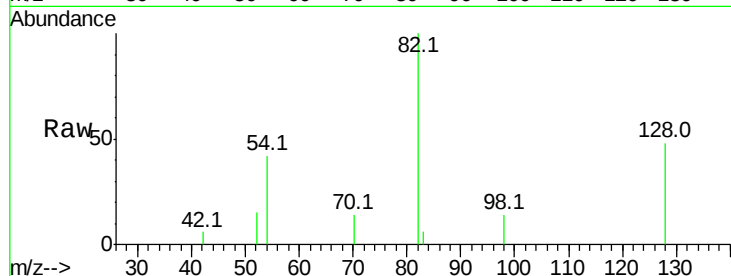
Tot Ion: 82 Resp: 5644

Ion Ratio Lower Upper

82 100

128 48.3 35.9 53.9

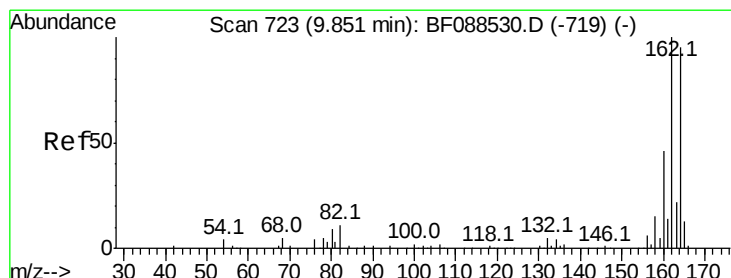
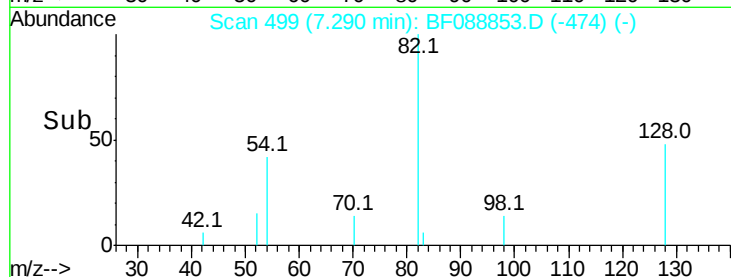
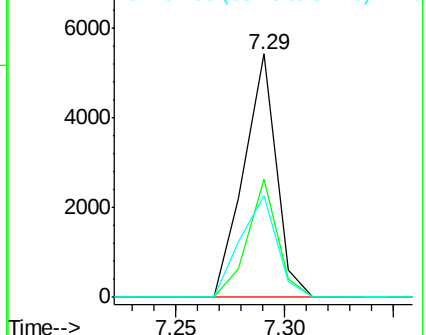
54 41.7 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

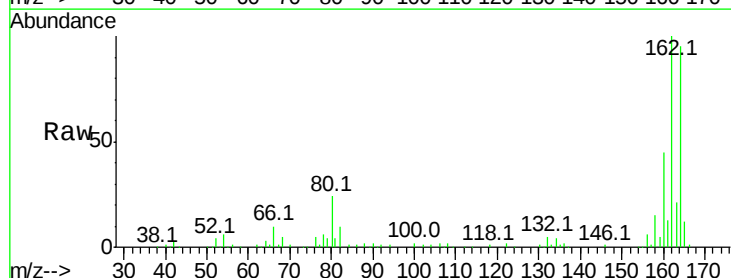
Tgt Ion:164 Resp: 132652

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

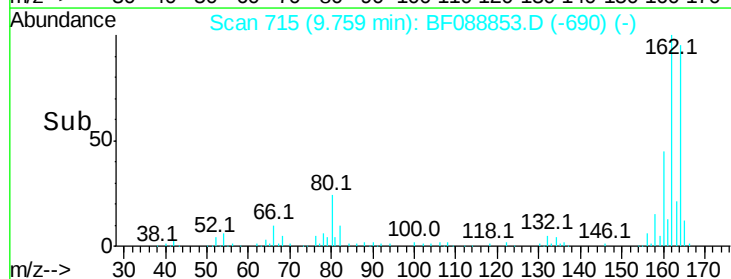
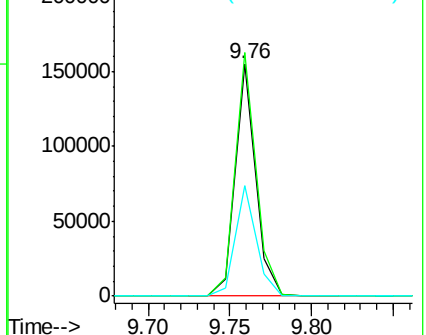
160 47.5 39.5 59.3

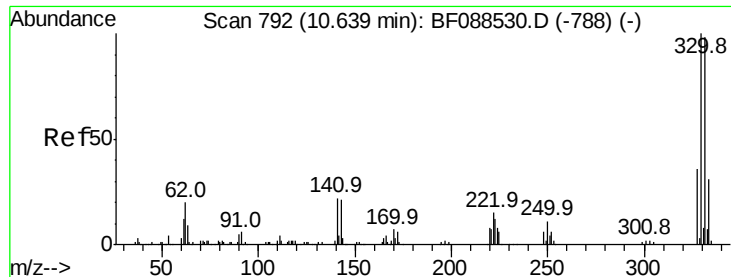


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

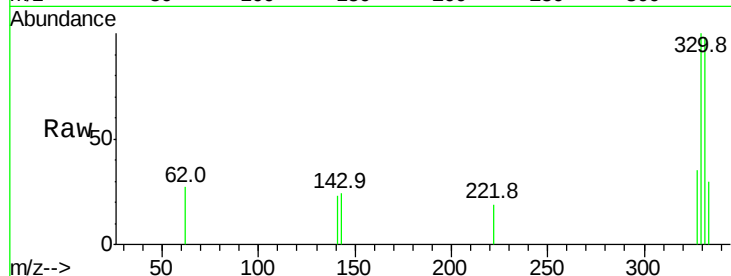




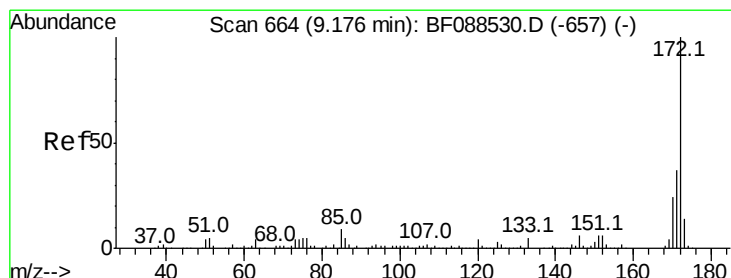
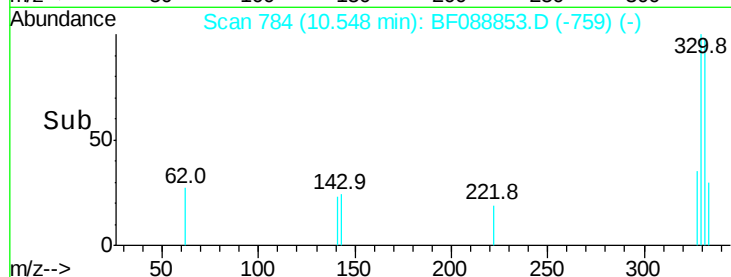
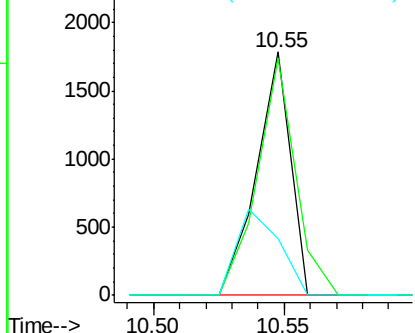
#41
 2,4,6-Tribromophenol
 Concen: 1.32 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF088853.D
 Acq: 9 Jul 2016 5:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 1632
 Ion Ratio Lower Upper
 330 100
 332 109.1 0.0 0.0#
 141 43.9 0.0 0.0#

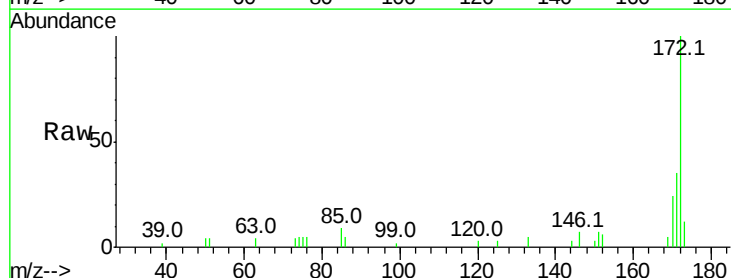


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

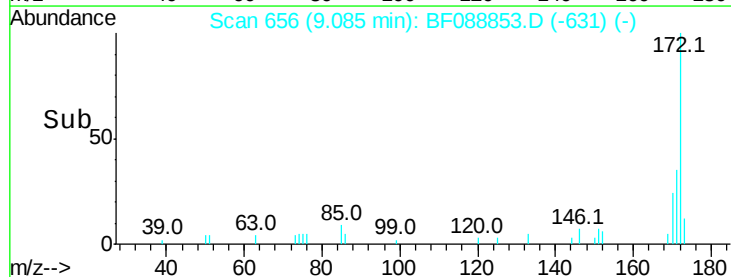
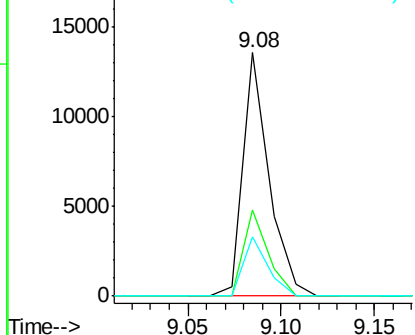


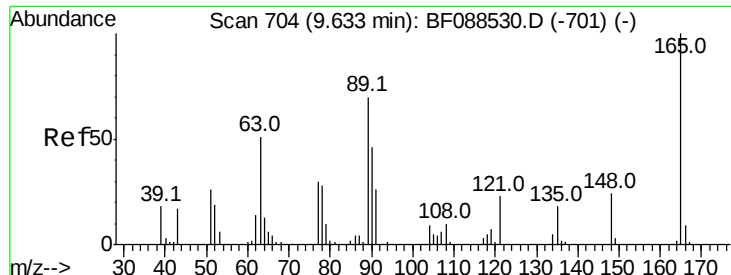
#44
 2-Fluorobiphenyl
 Concen: 1.56 ng
 RT: 9.08 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF088853.D
 Acq: 9 Jul 2016 5:08

Tgt Ion:172 Resp: 13107
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 24.2 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

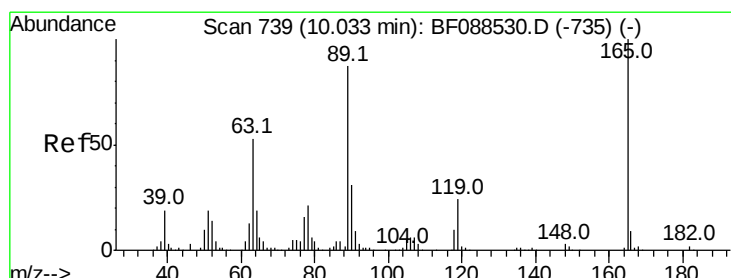
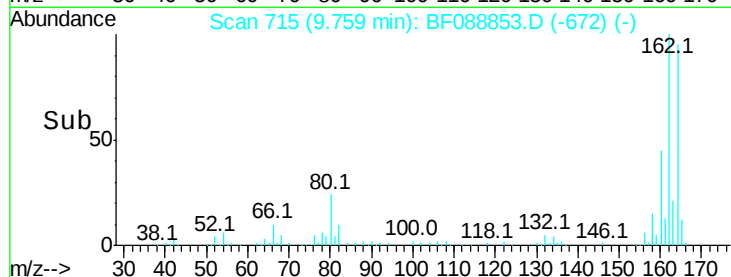
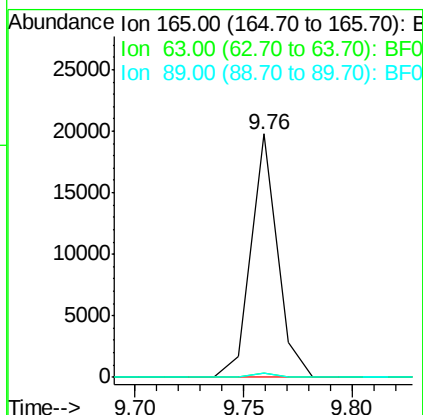
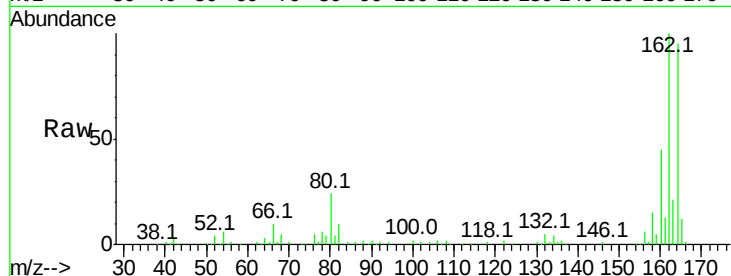




#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.76 min Scan# 715
 Delta R.T. 0.19 min
 Lab File: BF088853.D
 Acq: 9 Jul 2016 5:08

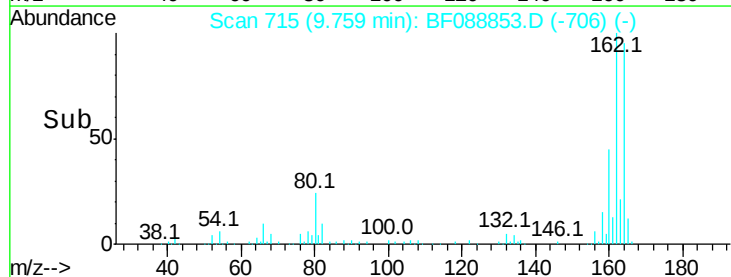
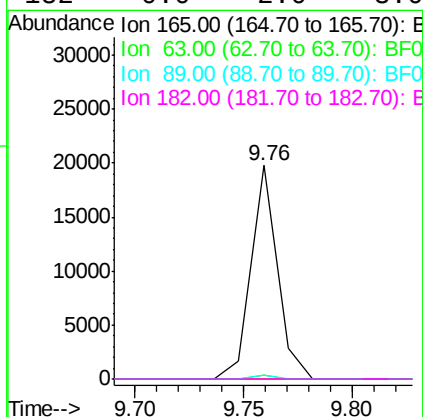
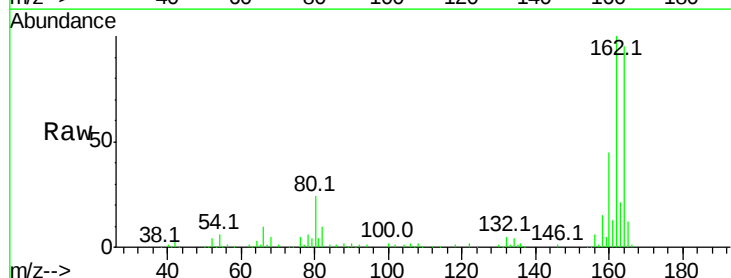
Instrument :
 BNA_F
 ClientSampleId :

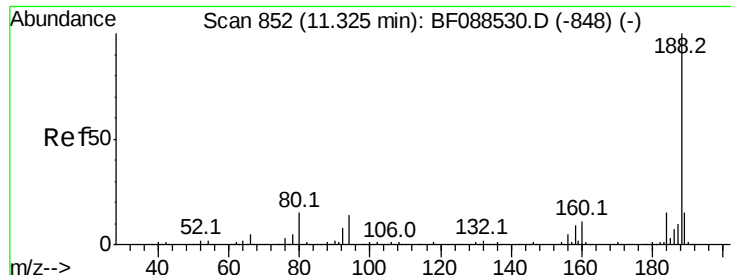
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.1	42.1#
89	1.8	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.76 min Scan# 715
 Delta R.T. -0.19 min
 Lab File: BF088853.D
 Acq: 9 Jul 2016 5:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	22.0	33.0#
89	1.8	41.1	61.7#
182	0.0	2.0	3.0#

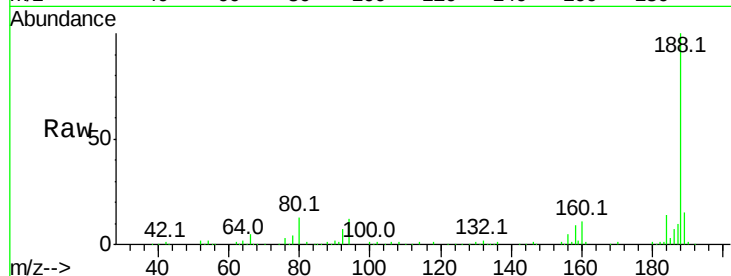




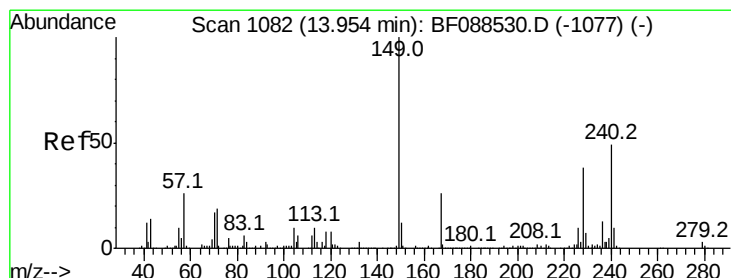
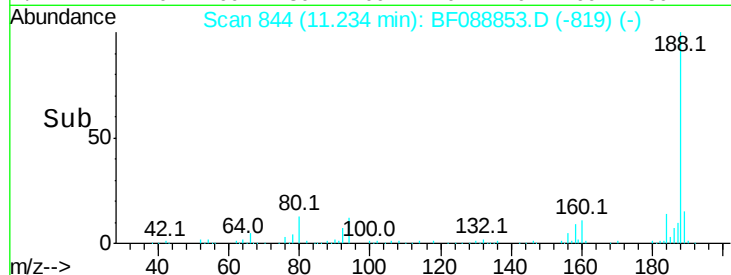
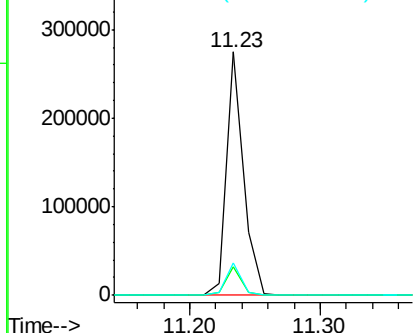
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF088853.D
Acq: 9 Jul 2016 5:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 248897
Ion Ratio Lower Upper
188 100
94 11.7 9.0 13.6
80 13.3 10.0 15.0

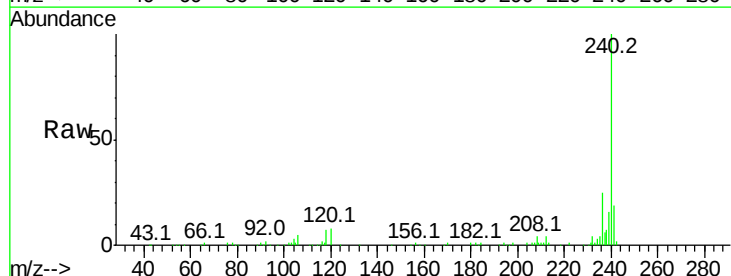


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

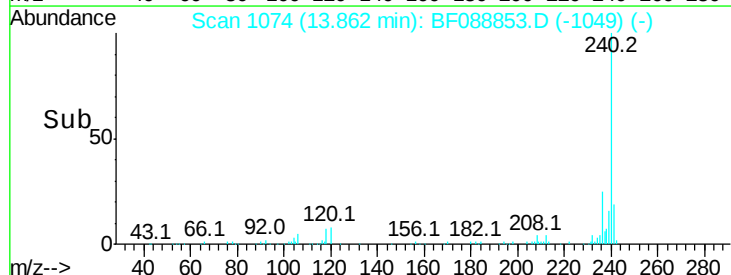
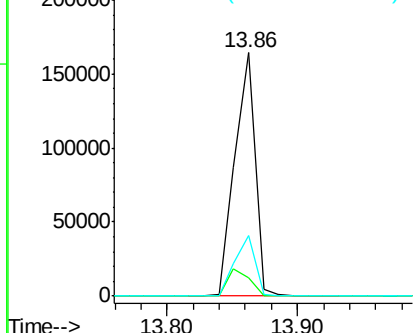


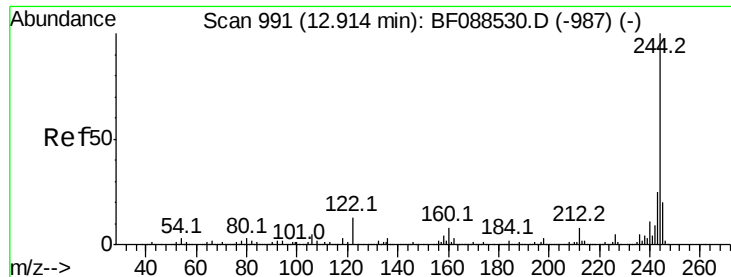
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. -0.01 min
Lab File: BF088853.D
Acq: 9 Jul 2016 5:08

Tgt Ion:240 Resp: 177484
Ion Ratio Lower Upper
240 100
120 7.8 6.8 10.2
236 25.0 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: 1.46 ng

RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

Instrument :

BNA_F

ClientSampled :

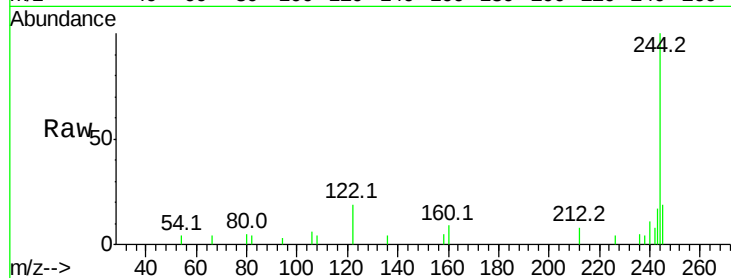
Tot Ion:244 Resp: 11611

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

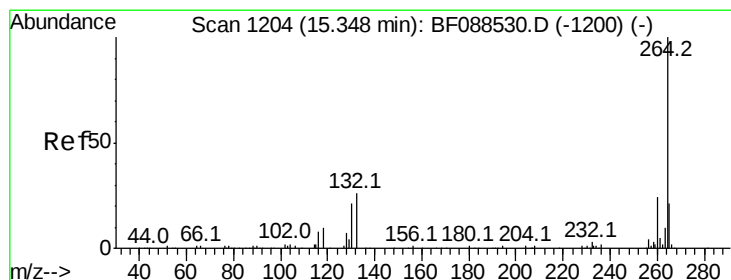
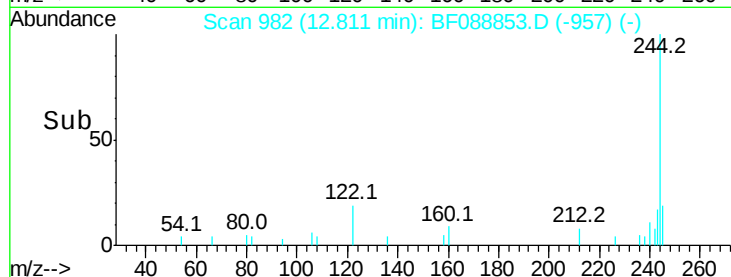
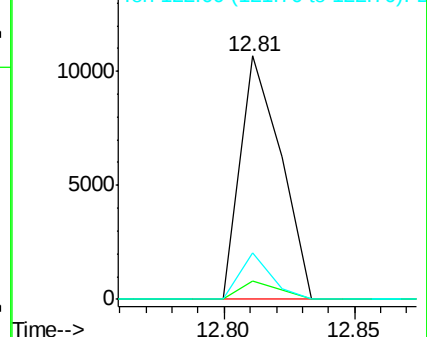
122 18.9 11.2 16.8#



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: 15.23 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF088853.D

Acq: 9 Jul 2016 5:08

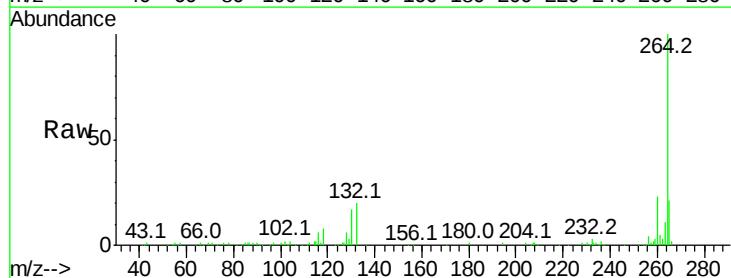
Tgt Ion:264 Resp: 155153

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.1 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

