

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102895.D
 Acq On : 9 Feb 2018 18:10
 Operator : SJ/JU
 Sample : J1506-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 22:07:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

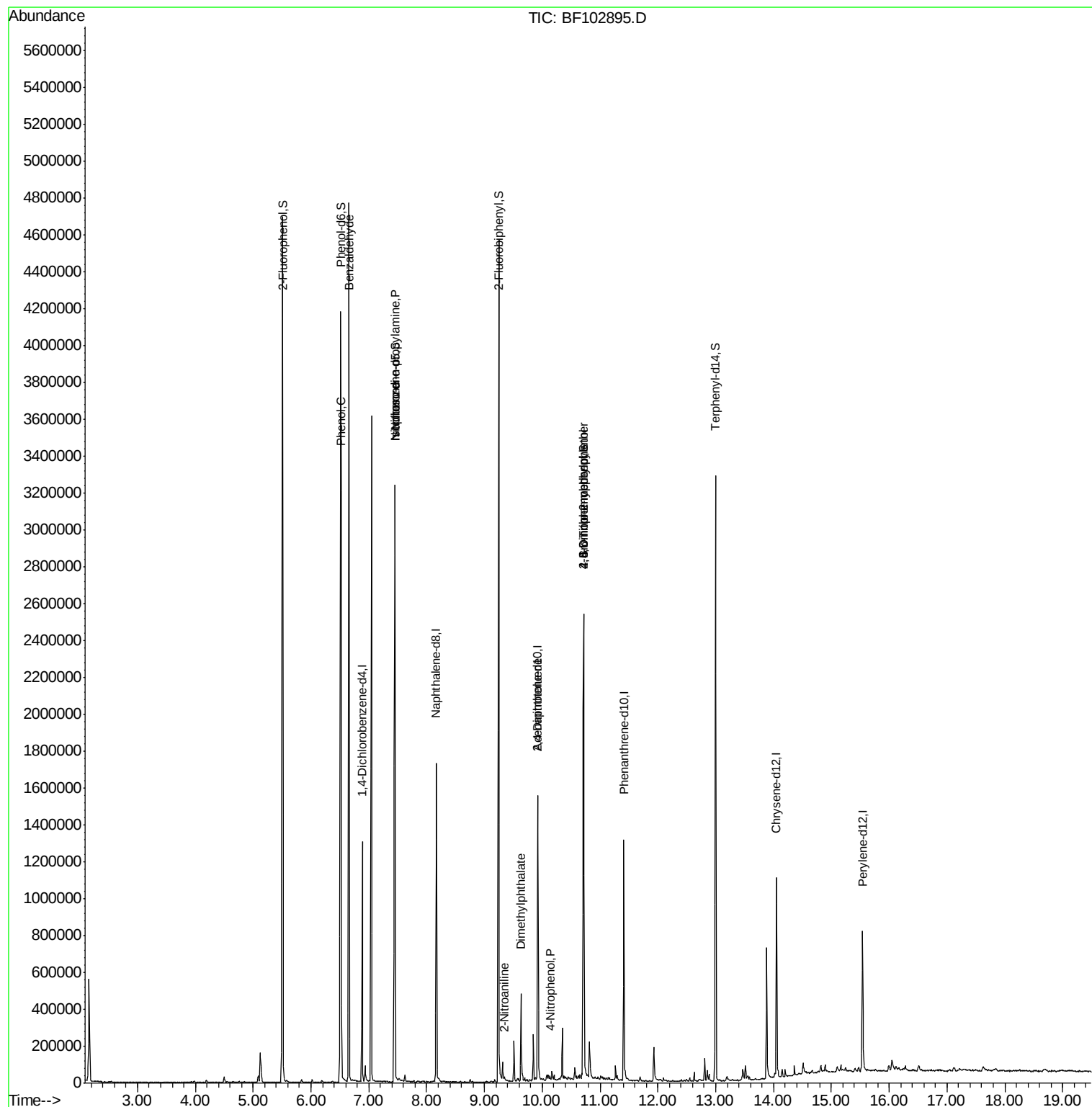
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	173597	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	720425	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	305462	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	461385	20.00	ng	0.00
75) Chrysene-d12	14.05	240	356566	20.00	ng	0.00
86) Perylene-d12	15.54	264	332326	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1386610	121.30	ng	0.02
7) Phenol-d6	6.52	99	1670703	121.39	ng	0.01
23) Nitrobenzene-d5	7.45	82	1081384	104.13	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	287378	116.89	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1499717	81.47	ng	0.00
78) Terphenyl-d14	13.00	244	1124094	74.65	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.66	77	29524	2.89	ng	82
10) Phenol	6.53	94	41858	2.84	ng	94
19) n-Nitroso-di-n-propylamine	7.45	70	148766	16.39	ng	# 83
25) Isophorone	7.45	82	1081375	45.22	ng	# 64
47) 2-Nitroaniline	9.34	65	108	3.49	ng	# 2
49) Dimethylphthalate	9.63	163	164958	6.93	ng	99
55) 4-Nitrophenol	10.13	139	122	4.05	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	38668	9.03	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	689	9.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	18990	3.89	ng	# 1

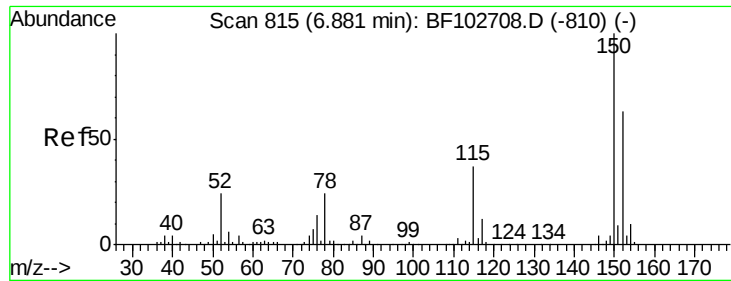
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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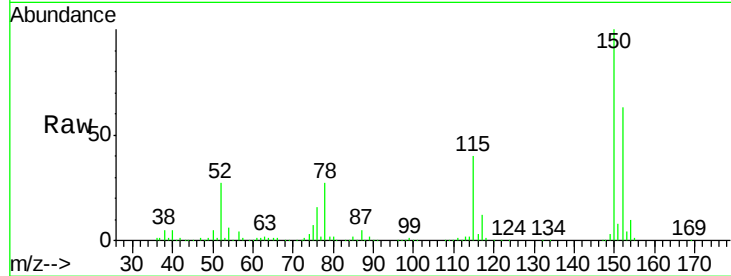


#1

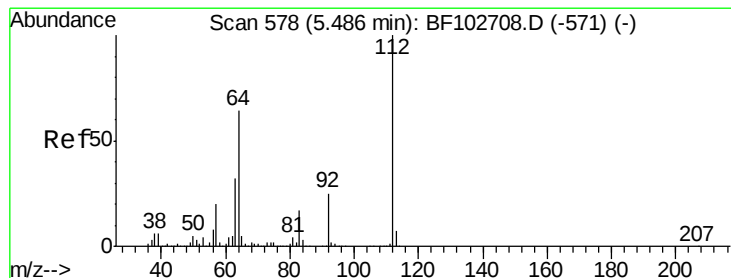
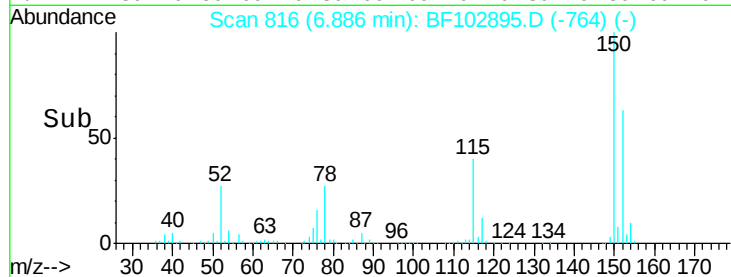
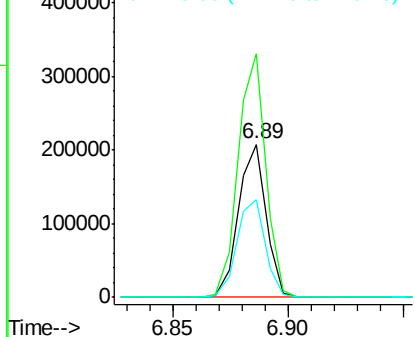
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 173597
Ion Ratio Lower Upper
152 100
150 159.3 124.6 186.8
115 63.6 50.1 75.1



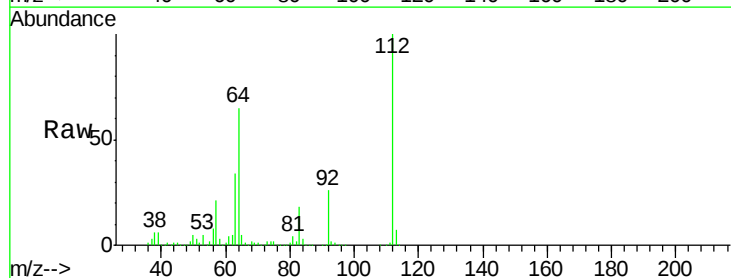
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



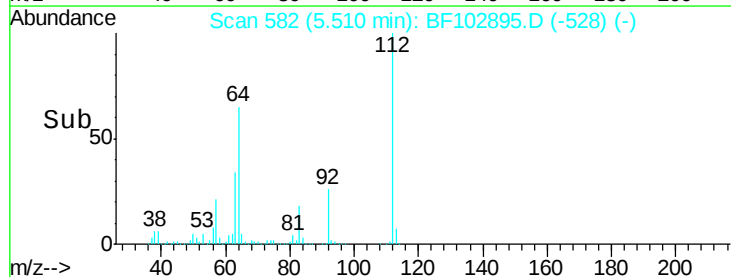
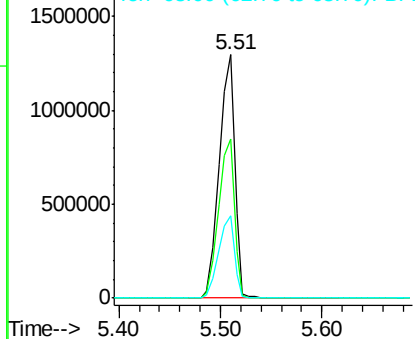
#5

2-Fluorophenol
Concen: 121.30 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Tgt Ion:112 Resp: 1386610
Ion Ratio Lower Upper
112 100
64 65.2 47.9 71.9
63 33.7 23.7 35.5



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: 121.39 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampleId :

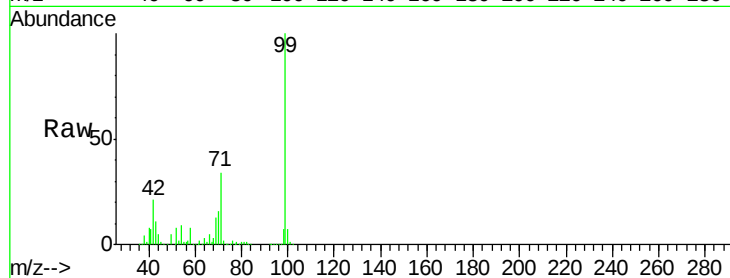
Tot Ion: 99 Resp: 1670703

Ion Ratio Lower Upper

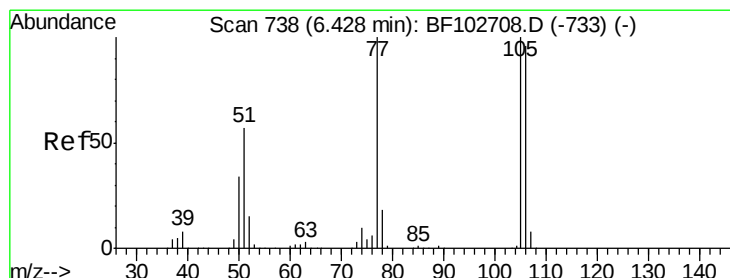
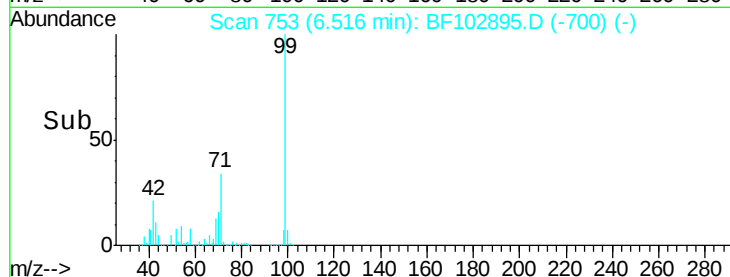
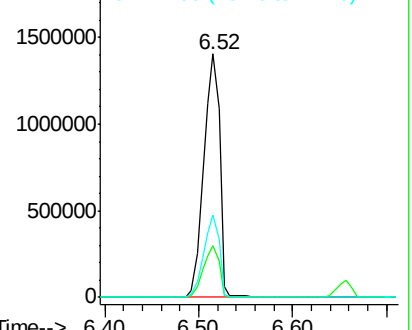
99 100

42 21.1 14.5 21.7

71 33.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.89 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

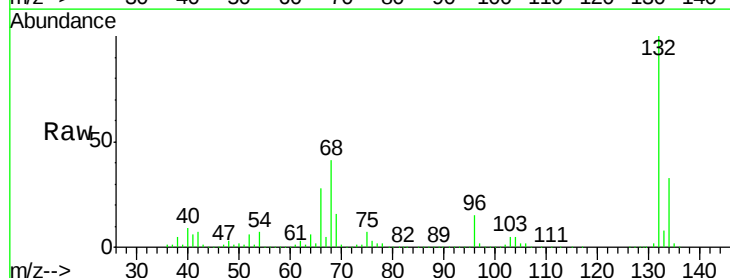
Tgt Ion: 77 Resp: 29524

Ion Ratio Lower Upper

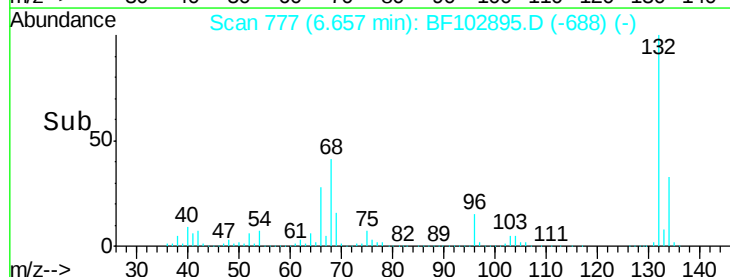
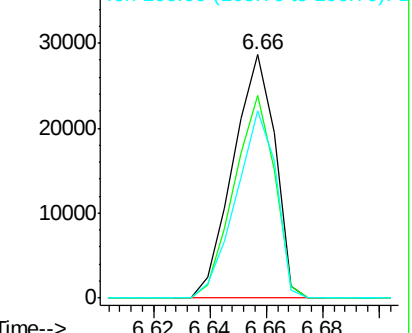
77 100

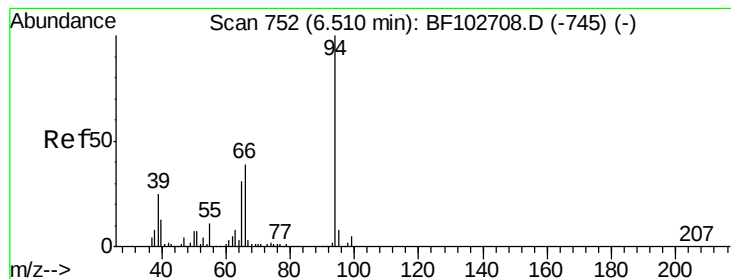
105 83.1 81.1 121.1

106 77.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.84 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampleId :

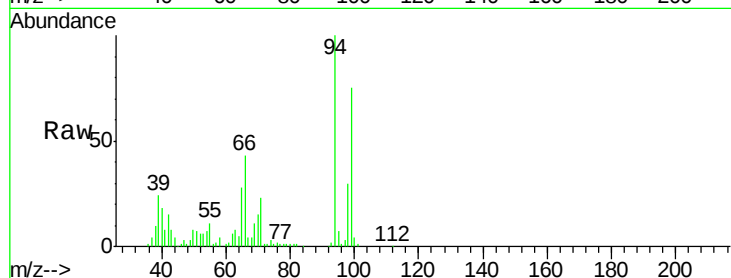
Tot Ion: 94 Resp: 41858

Ion Ratio Lower Upper

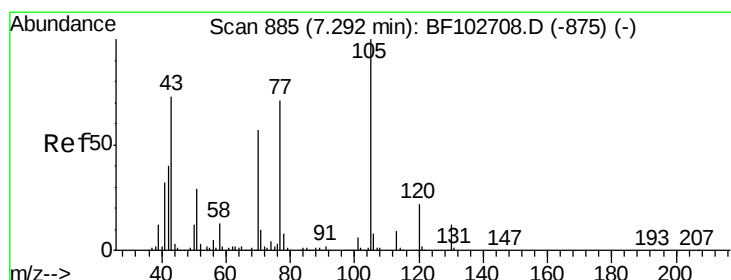
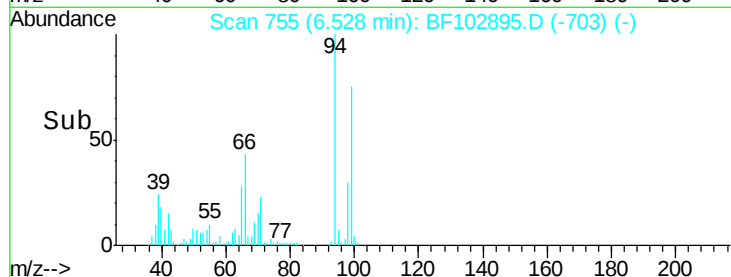
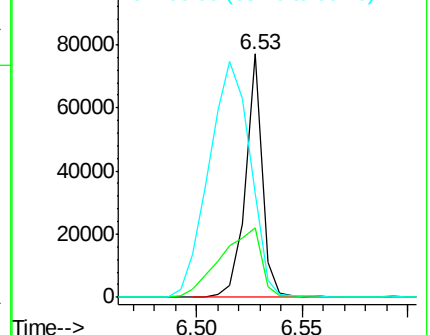
94 100

65 28.4 7.9 47.9

66 42.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.39 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Tgt Ion: 70 Resp: 148766

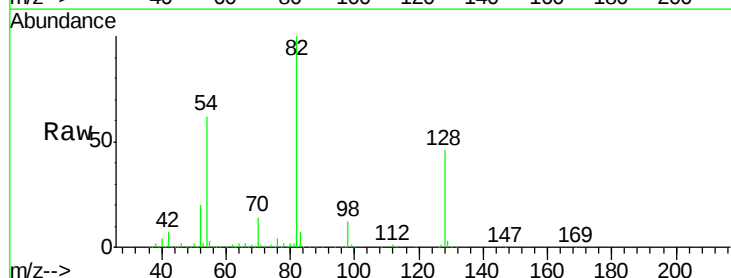
Ion Ratio Lower Upper

70 100

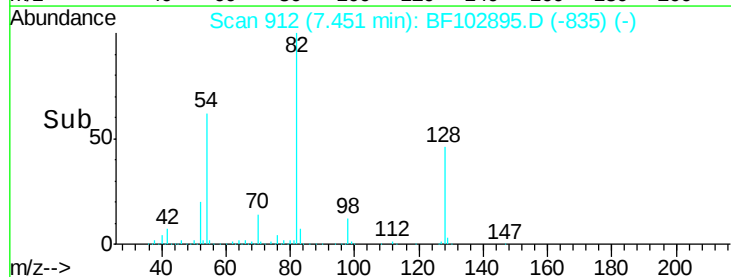
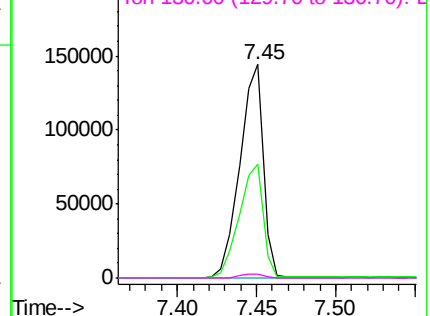
42 53.5 47.5 71.3

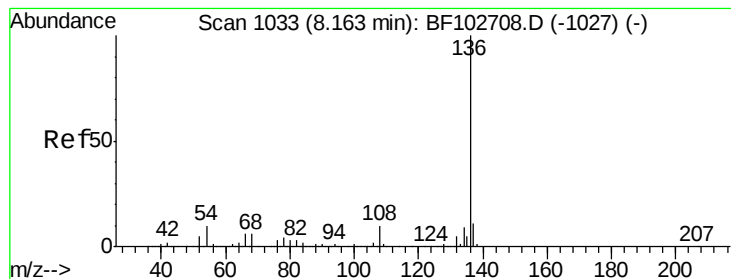
101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 720425

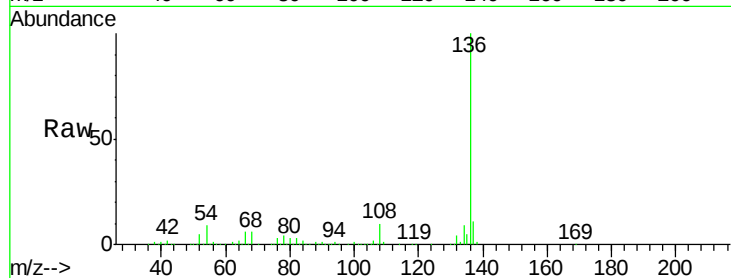
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.3 6.6 9.8

68 6.5 5.0 7.4

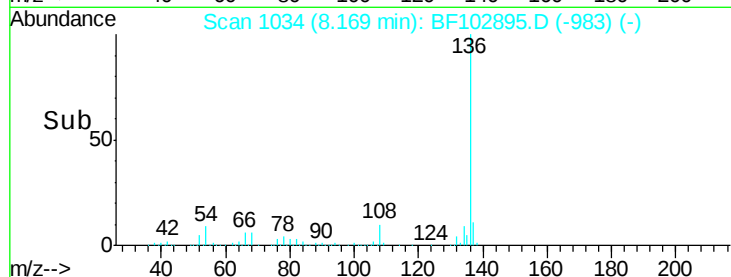


Abundance Ion 136.00 (135.70 to 136.70): E

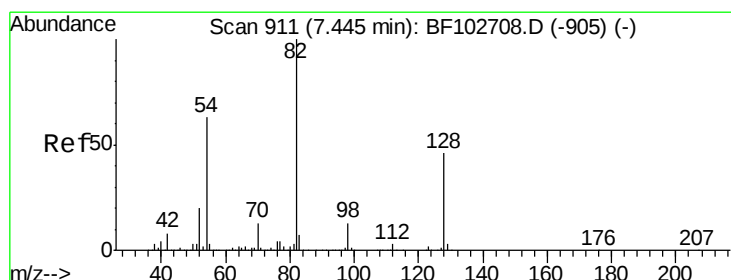
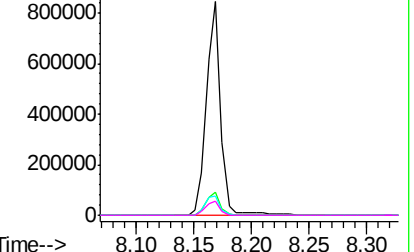
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 104.13 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

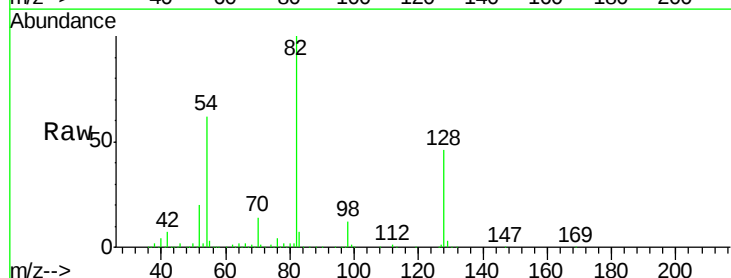
Tgt Ion: 82 Resp: 1081384

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

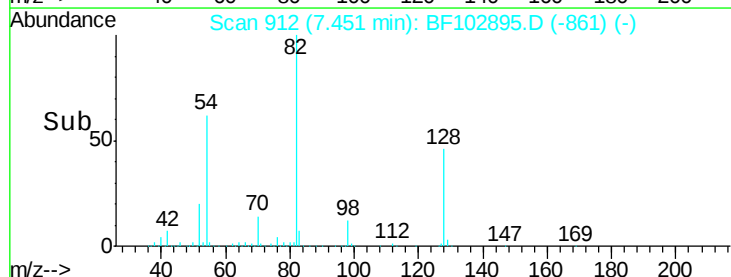
54 62.4 41.4 62.2#



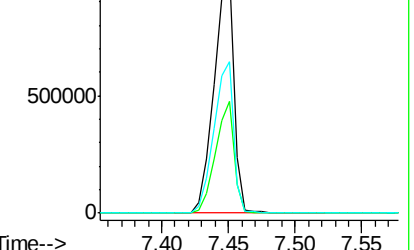
Abundance Ion 82.00 (81.70 to 82.70): BF1

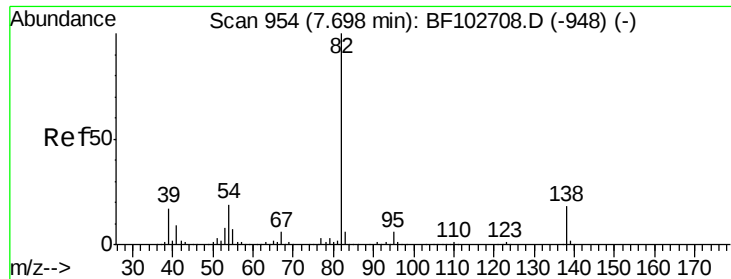
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->

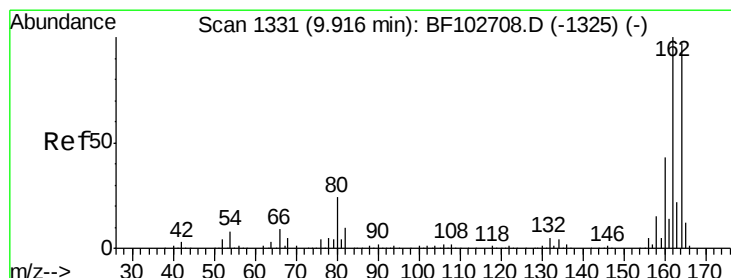
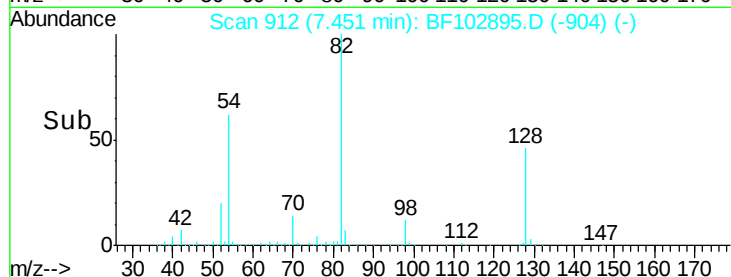
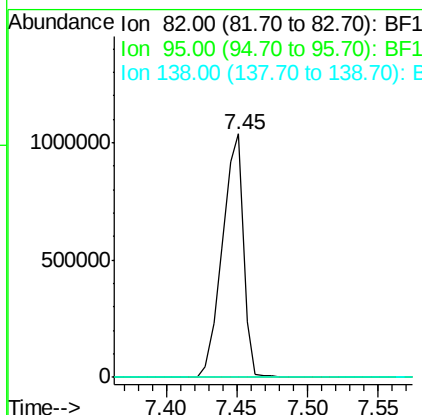
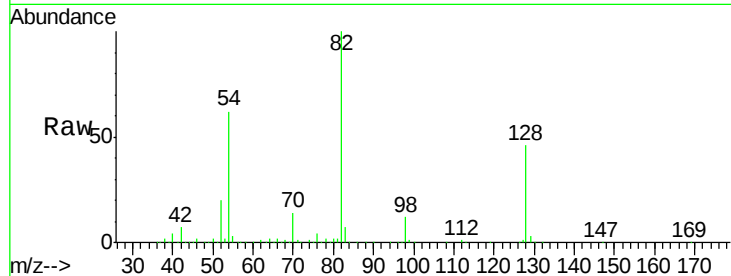




#25
Isophorone
Concen: 45.22 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.25 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

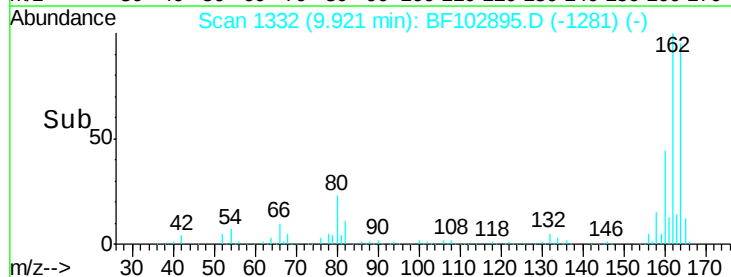
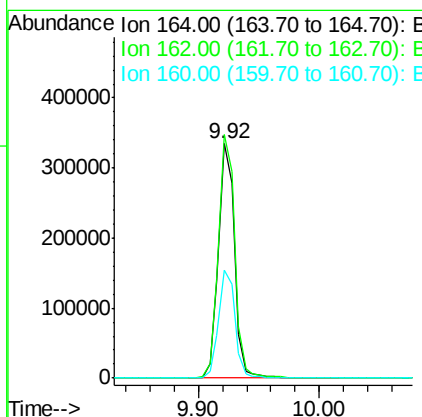
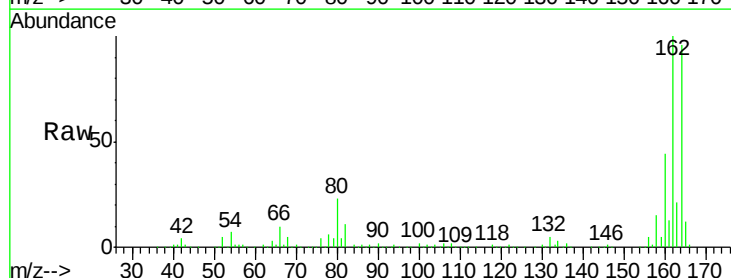
Instrument :
BNA_F
ClientSampled :

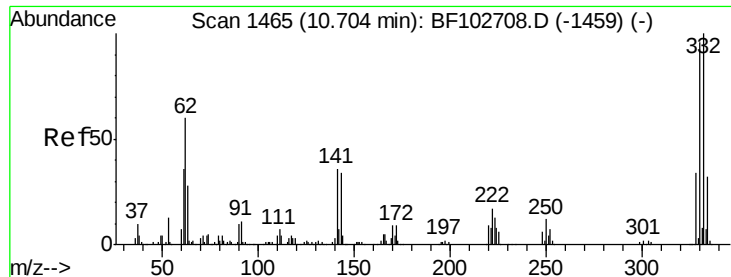
Tot Ion: 82 Resp: 1081375
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Tgt Ion:164 Resp: 305462
Ion Ratio Lower Upper
164 100
162 103.8 86.1 129.1
160 46.1 38.3 57.5

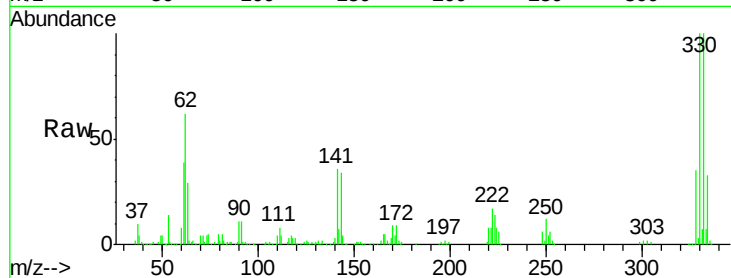




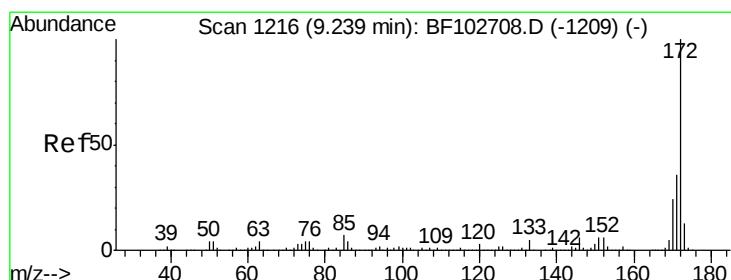
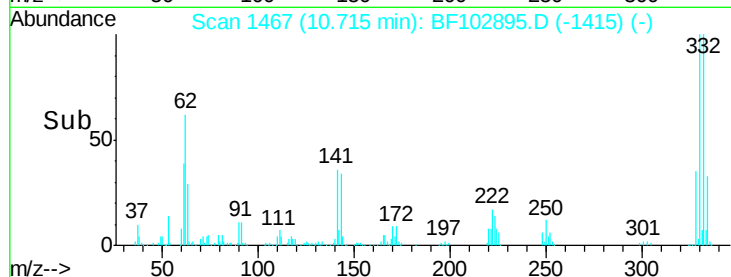
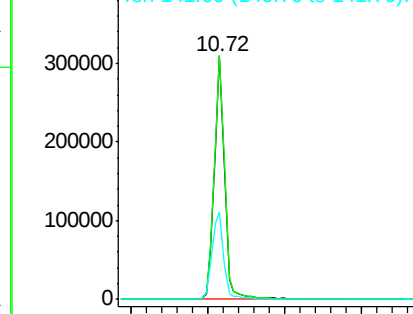
#41
 2,4,6-Tribromophenol
 Concen: 116.89 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102895.D
 Acq: 9 Feb 2018 18:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.0	115.6
141	40.7	29.9	44.9

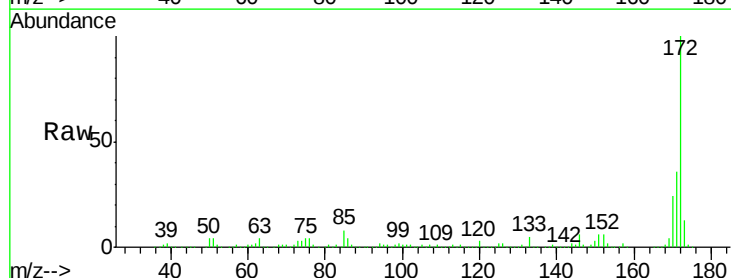


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

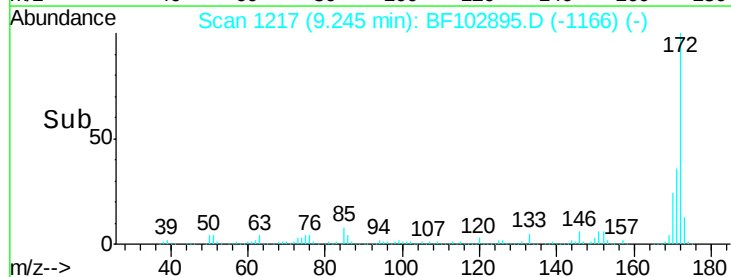
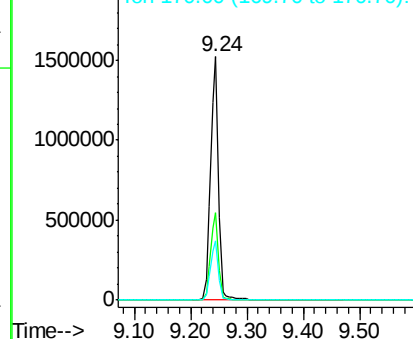


#44
 2-Fluorobiphenyl
 Concen: 81.47 ng
 RT: 9.24 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: BF102895.D
 Acq: 9 Feb 2018 18:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4



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





#47

2-Nitroaniline

Concen: 3.49 ng

RT: 9.34 min Scan# 1233

Delta R.T. -0.12 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampleId :

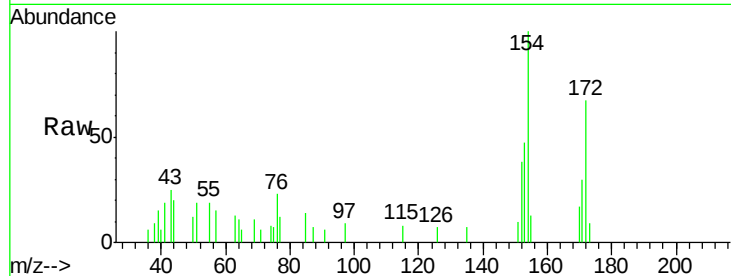
Tot Ion: 65 Resp: 108

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

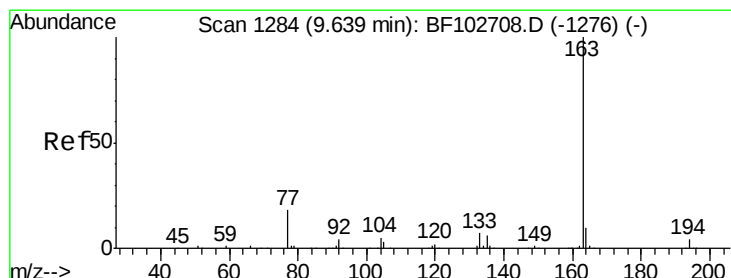
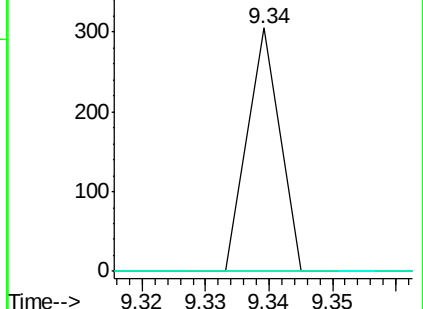
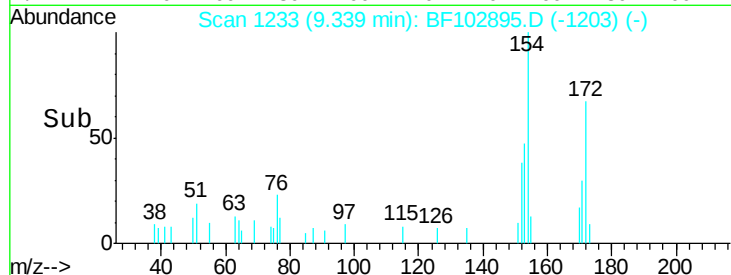
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#49

Dimethylphthalate

Concen: 6.93 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

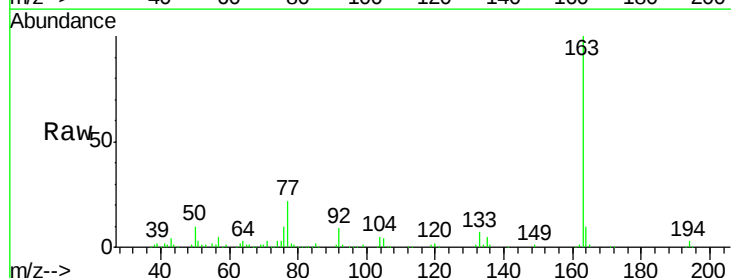
Tgt Ion: 163 Resp: 164958

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

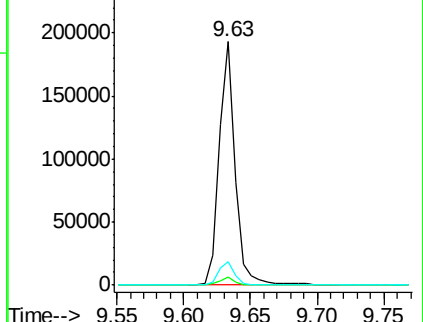
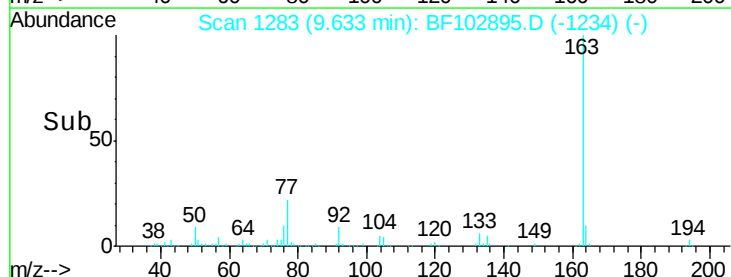
164 9.7 8.2 12.2

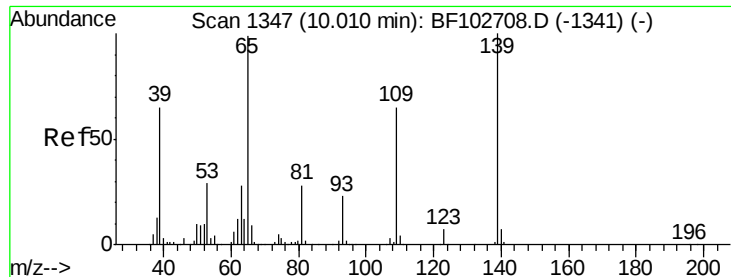


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

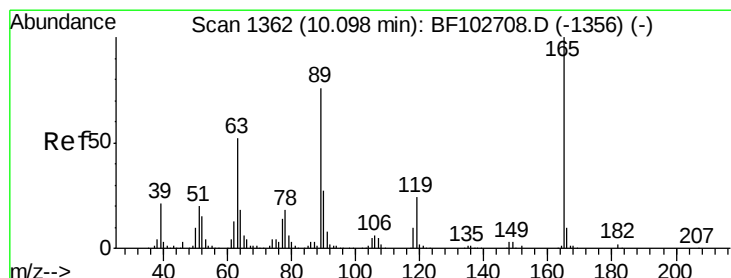
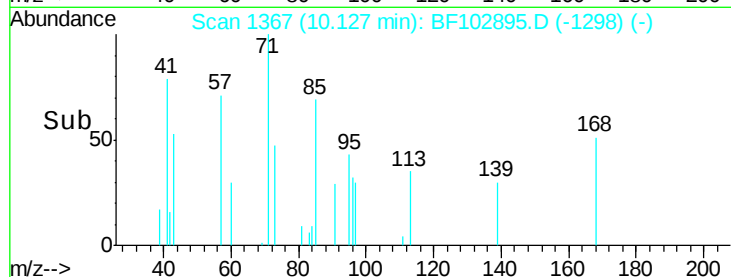
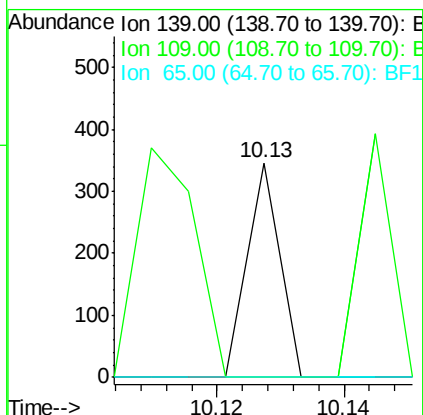
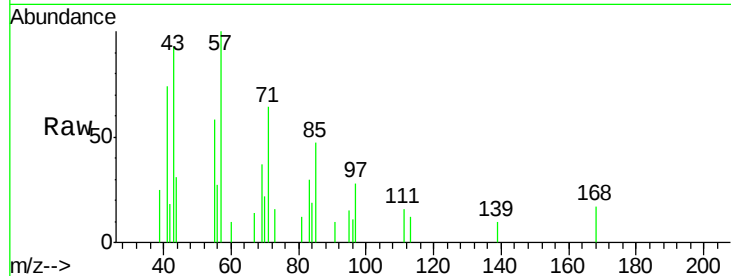




#55
4-Nitrophenol
Concen: 4.05 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

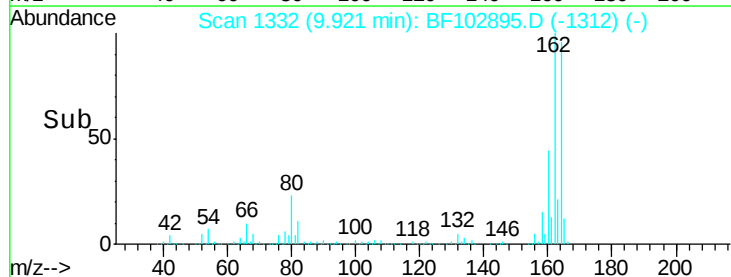
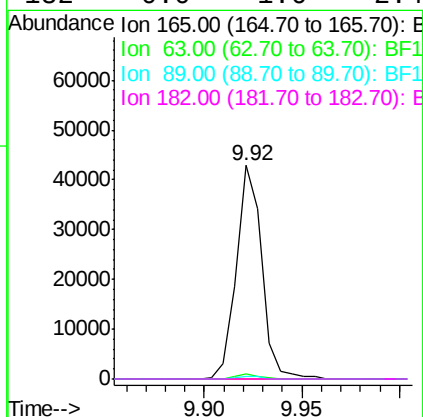
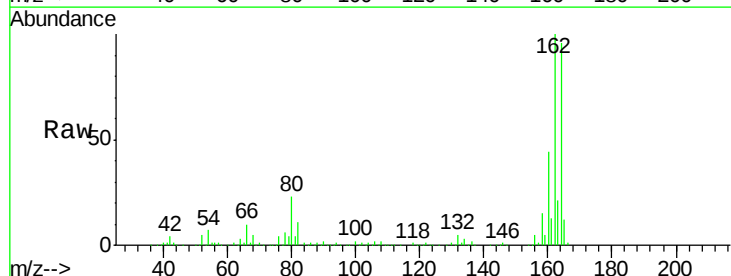
Instrument :
BNA_F
ClientSampled :

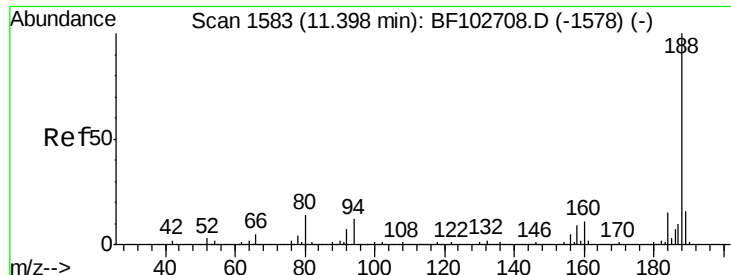
Tot Ion:139 Resp: 122
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.03 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Tgt Ion:165 Resp: 38668
Ion Ratio Lower Upper
165 100
63 2.6 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#

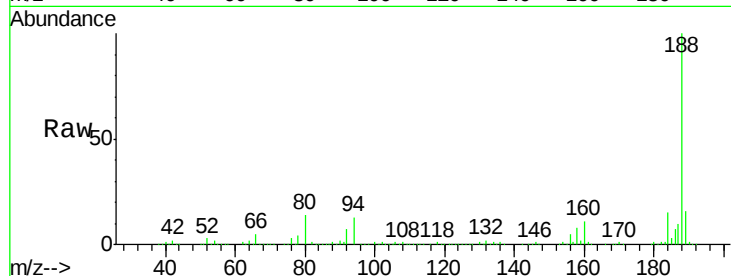




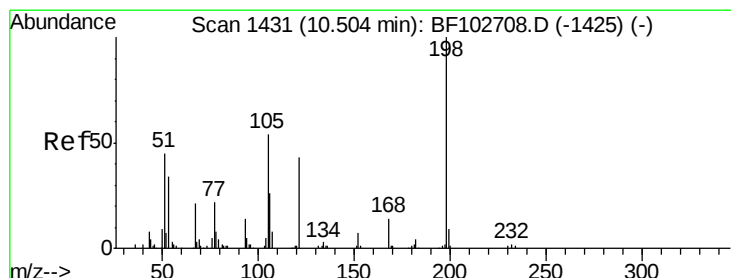
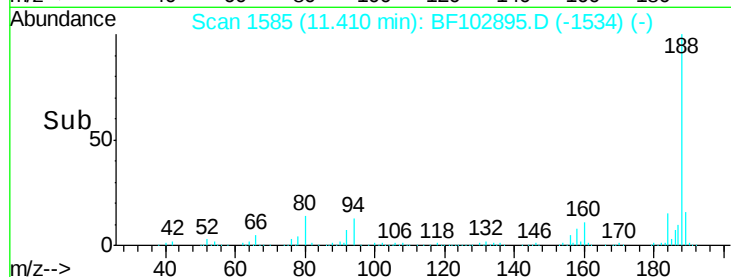
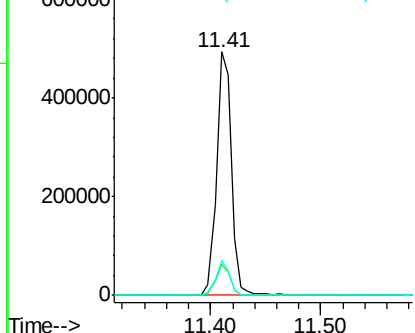
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 461385
Ion Ratio Lower Upper
188 100
94 13.0 8.5 12.7#
80 14.1 9.2 13.8#

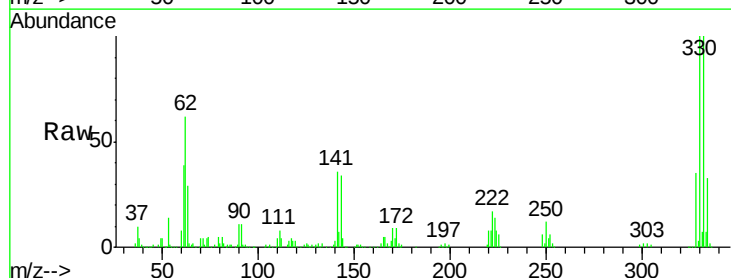


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

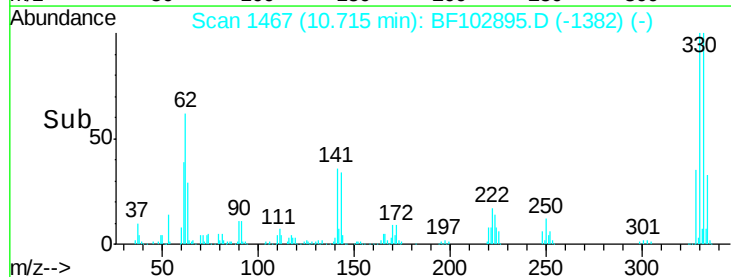
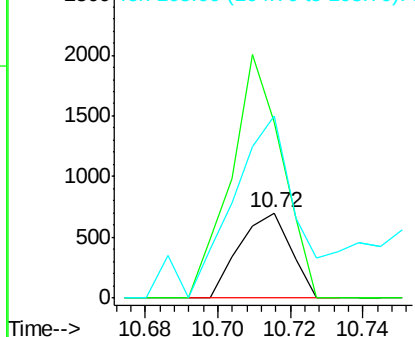


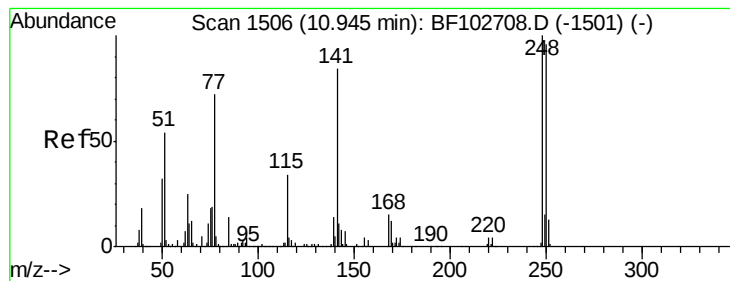
#64
4,6-Dinitro-2-methylphenol
Concen: 9.12 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF102895.D
Acq: 9 Feb 2018 18:10

Tgt Ion:198 Resp: 689
Ion Ratio Lower Upper
198 100
51 207.2 37.7 77.7#
105 214.6 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: 3.89 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.24 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampled :

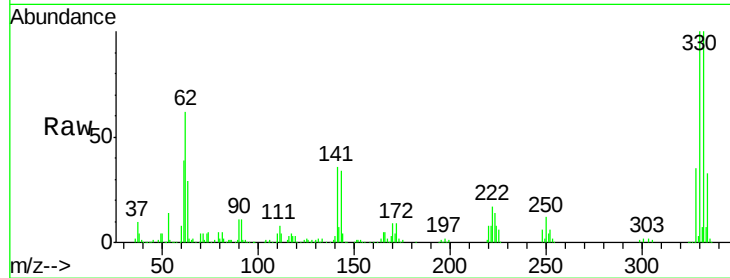
Tot Ion:248 Resp: 18990

Ion Ratio Lower Upper

248 100

250 195.0 76.9 115.3#

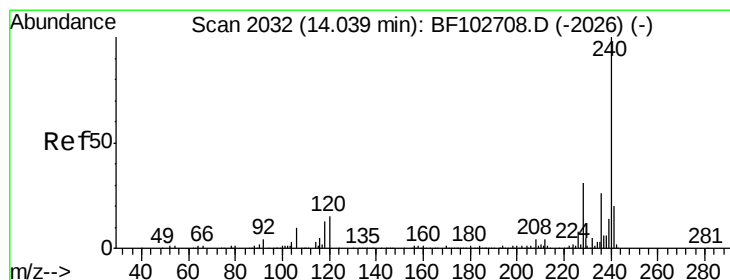
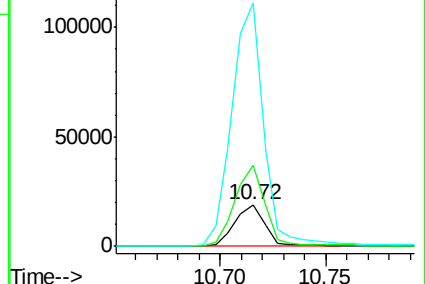
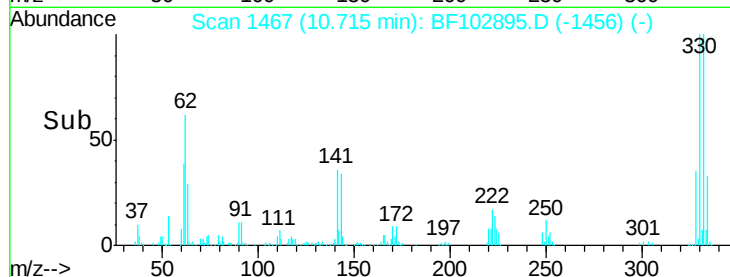
141 581.2 74.4 111.6#



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

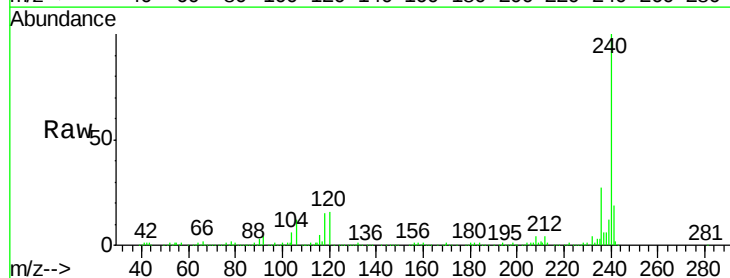
Tgt Ion:240 Resp: 356566

Ion Ratio Lower Upper

240 100

120 16.1 9.5 14.3#

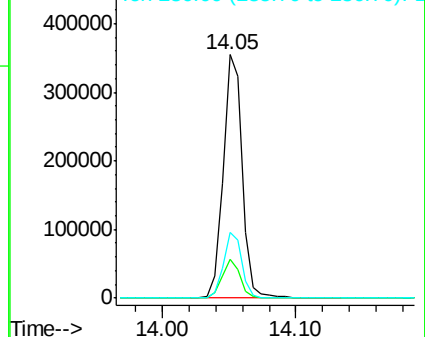
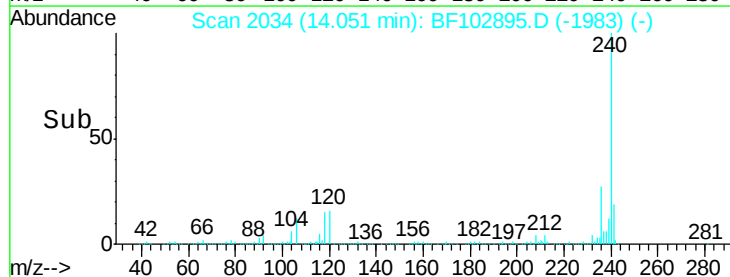
236 27.0 20.7 31.1

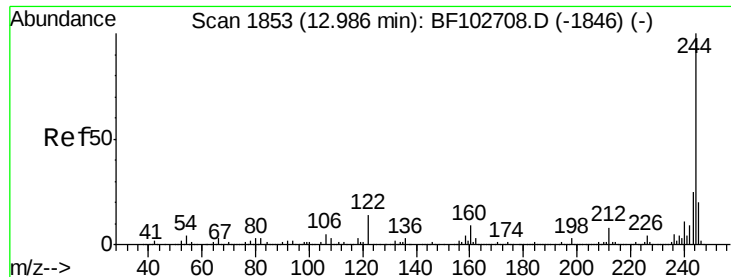


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 74.65 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

Instrument :

BNA_F

ClientSampleId :

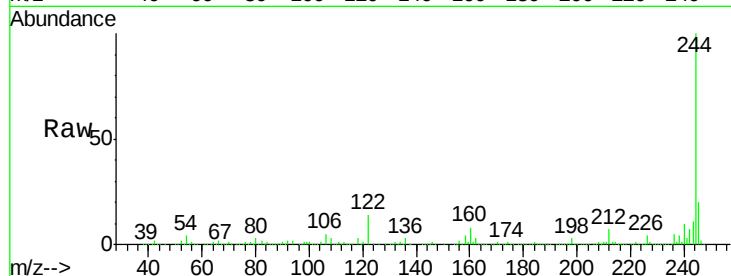
Tot Ion:244 Resp: 1124094

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

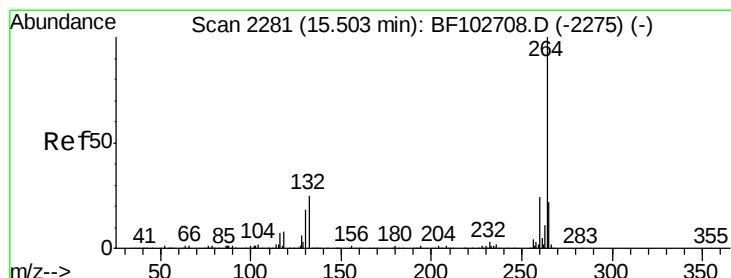
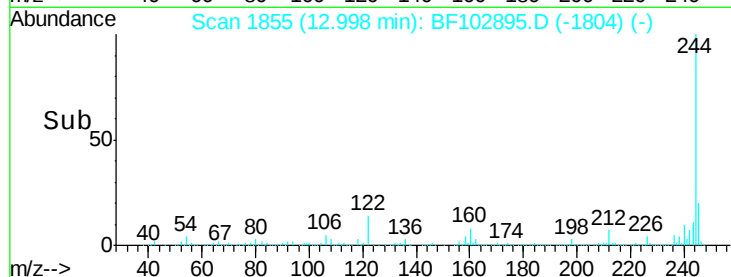
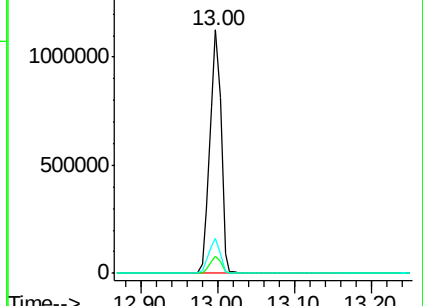
122 14.4 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102895.D

Acq: 9 Feb 2018 18:10

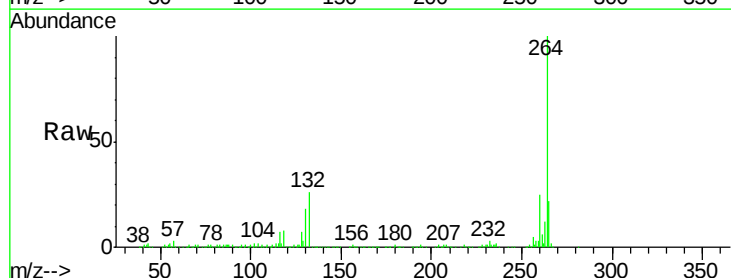
Tgt Ion:264 Resp: 332326

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 22.1 17.5 26.3



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

