

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041020\
 Data File : BF119900.D
 Acq On : 10 Apr 2020 17:45
 Operator : MA/SJ
 Sample : L2178-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 01:22:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 10 13:48:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	176387	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	662230	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	371403	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	724025	20.00	ng	0.00
76) Chrysene-d12	13.92	240	532821	20.00	ng	0.00
87) Perylene-d12	15.36	264	434985	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	697524	68.34	ng	0.00
7) Phenol-d6	6.38	99	554082	42.13	ng	-0.01
23) Nitrobenzene-d5	7.32	82	1272867	99.44	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	613362	134.89	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	2377759	90.90	ng	0.00
79) Terphenyl-d14	12.87	244	2693517	85.06	ng	0.00

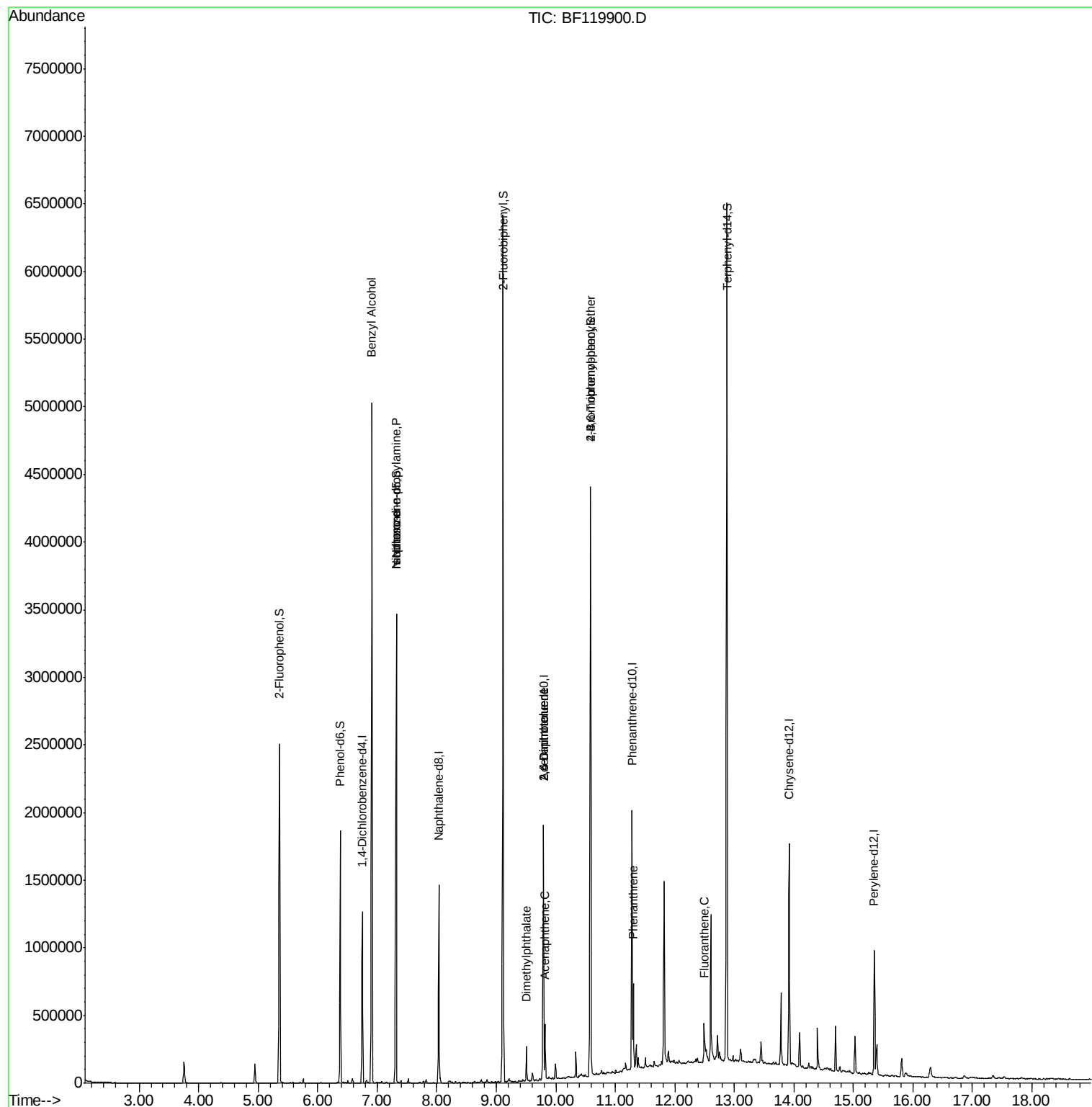
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	796	Below Cal		# 1
15) Benzyl Alcohol	6.91	79	21461	2.101	ng	# 49
19) n-Nitroso-di-n-propylamine	7.32	70	169056	19.990	ng	# 74
25) Isophorone	7.32	82	1269843	51.460	ng	# 65
50) Dimethylphthalate	9.51	163	95997	3.342	ng	# 98
51) 2,6-Dinitrotoluene	9.79	165	49051	7.797	ng	# 19
52) Acenaphthene	9.82	154	68798	2.808	ng	# 98
57) 2,4-Dinitrotoluene	9.79	165	49051	5.918	ng	# 22
67) 4-Bromophenyl-phenylether	10.59	248	36342	4.036	ng	# 1
71) Phenanthrene	11.30	178	239071	6.204	ng	# 99
75) Fluoranthene	12.49	202	114933	2.764	ng	# 96

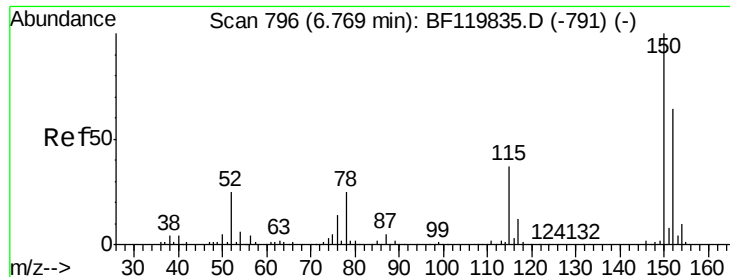
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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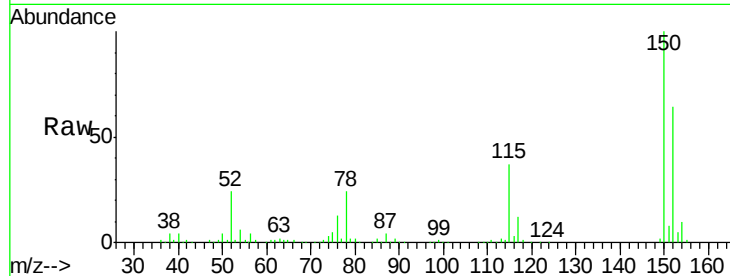


#1

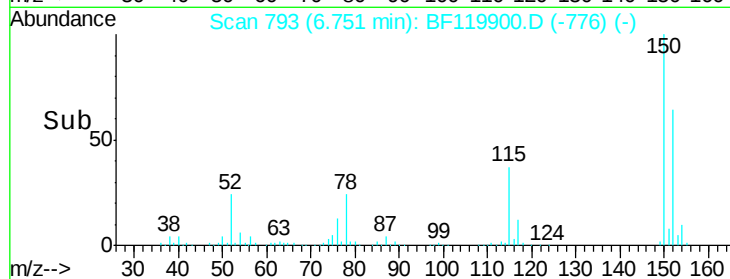
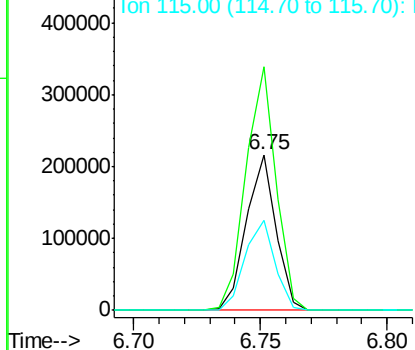
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.8	187.2
115	58.2	46.5	69.7



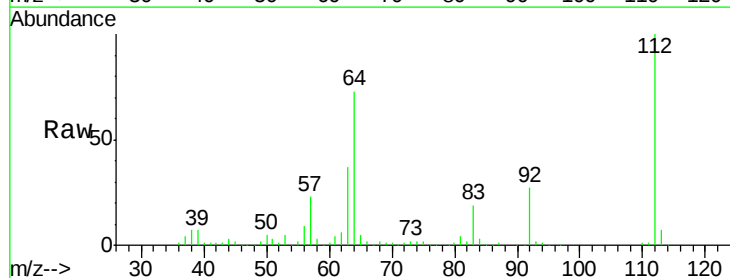
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



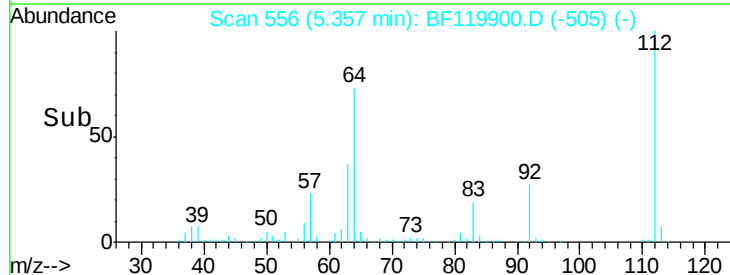
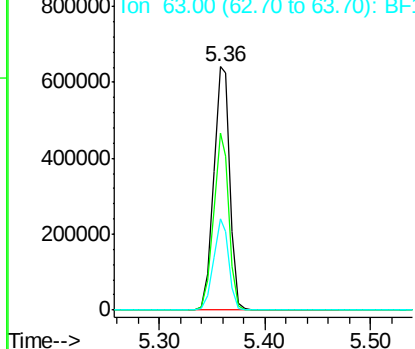
#5

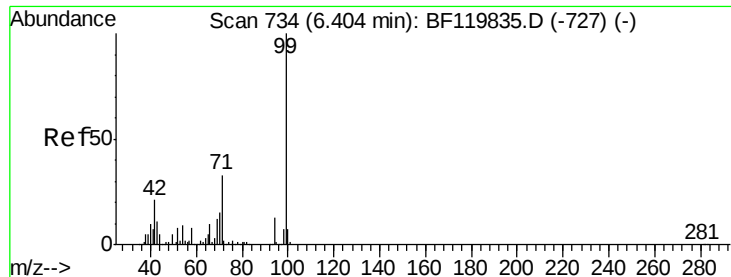
2-Fluorophenol
Concen: 68.341 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.00 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	55.5	83.3
63	37.3	29.1	43.7



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: 42.130 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

Instrument :

BNA_F

ClientSampleId :

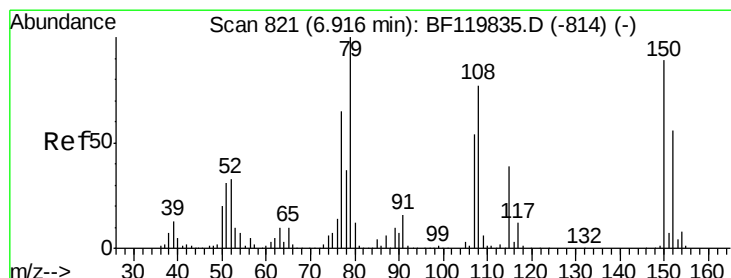
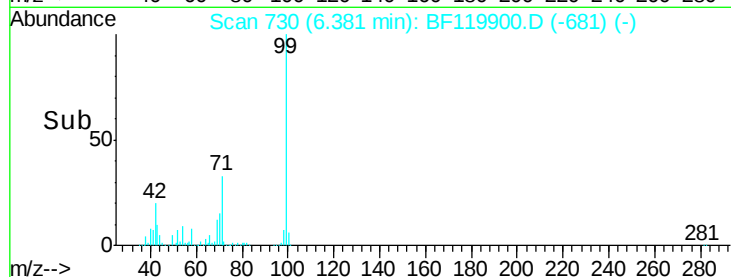
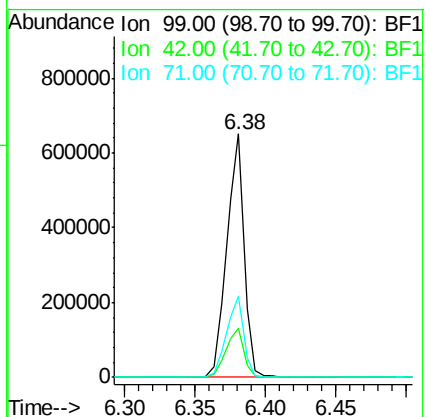
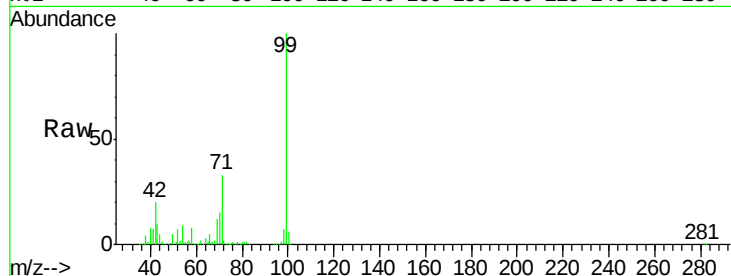
Tot Ion: 99 Resp: 554082

Ion Ratio Lower Upper

99 100

42 20.0 16.9 25.3

71 33.1 26.3 39.5



#15

Benzyl Alcohol

Concen: 2.101 ng

RT: 6.91 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

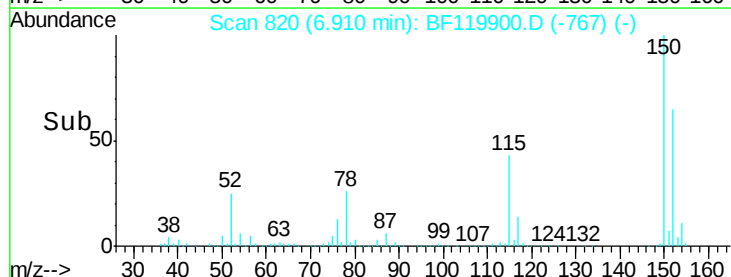
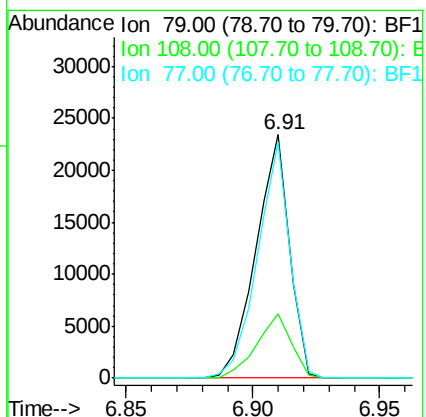
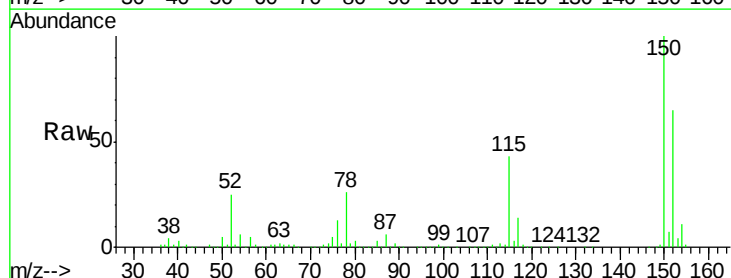
Tgt Ion: 79 Resp: 21461

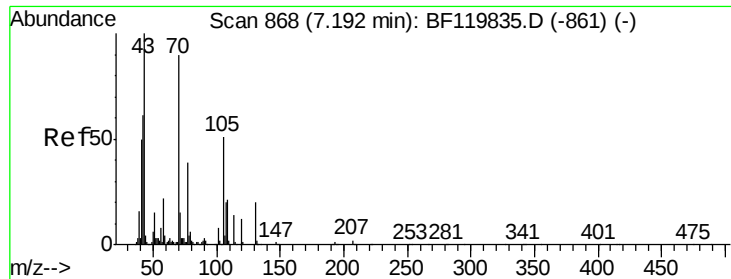
Ion Ratio Lower Upper

79 100

108 26.6 62.0 93.0#

77 96.8 51.8 77.6#

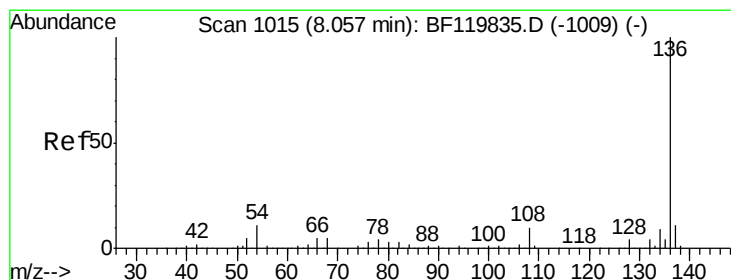
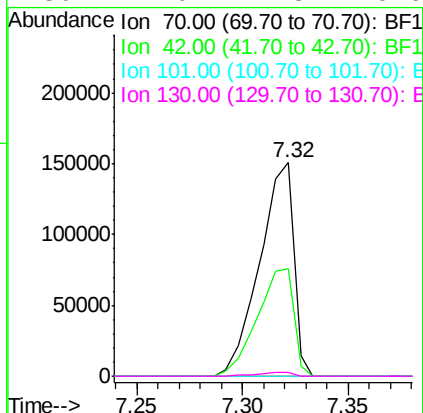
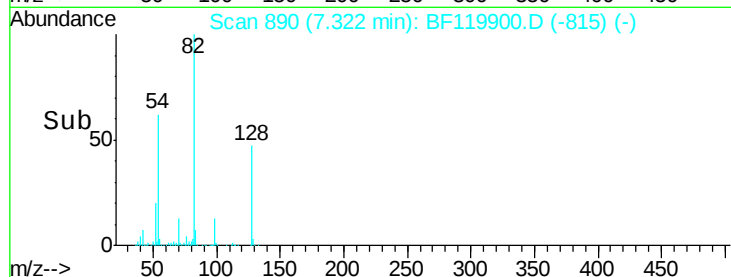
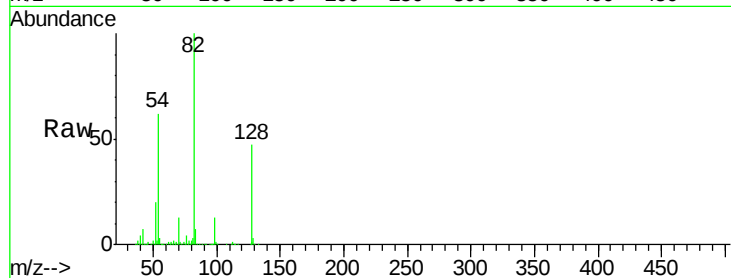




#19
n-Nitroso-di-n-propylamine
Concen: 19.990 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.14 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

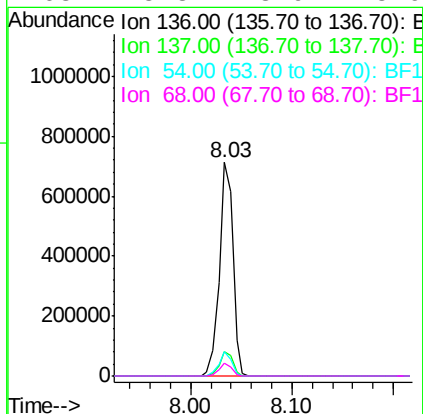
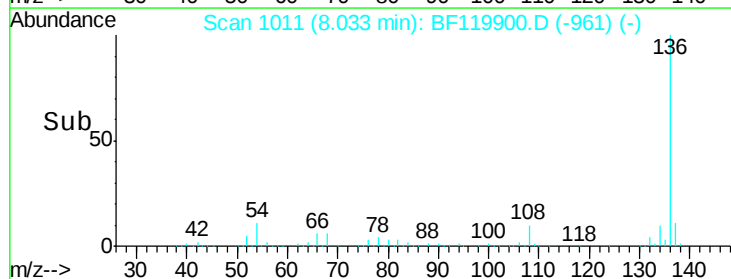
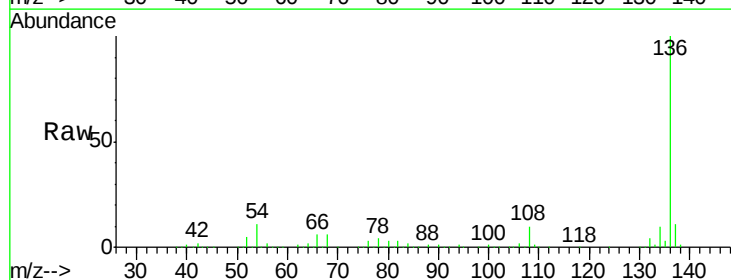
Instrument :
BNA_F
ClientSampleId :

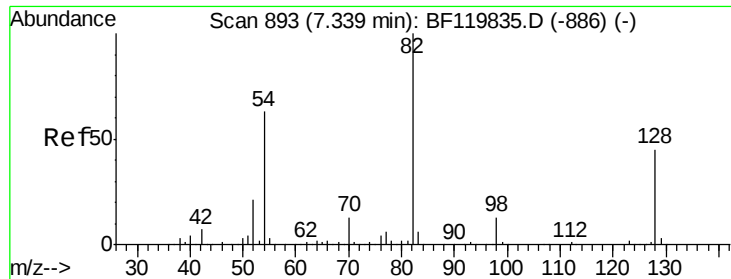
Tot Ion: 70 Resp: 169056
Ion Ratio Lower Upper
70 100
42 50.6 54.2 81.4#
101 0.0 7.4 11.2#
130 2.0 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Tgt Ion: 136 Resp: 662230
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 11.5 8.5 12.7
68 5.8 3.9 5.9

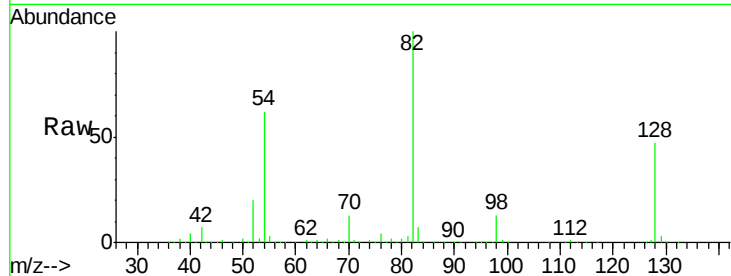




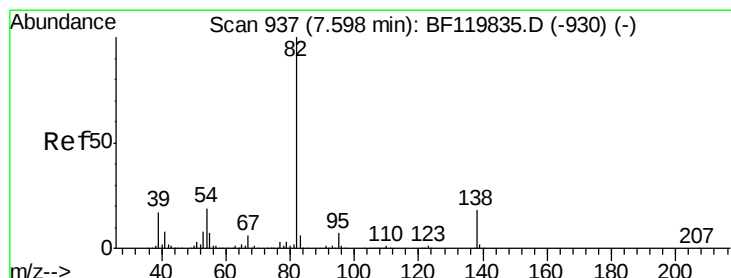
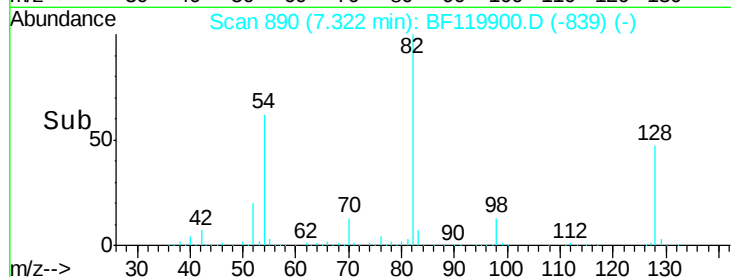
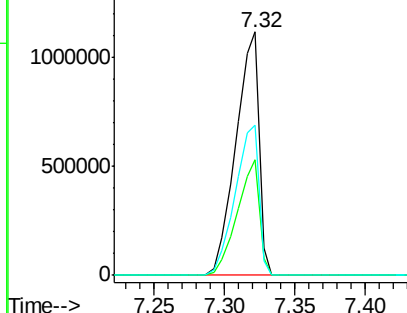
#23
Nitrobenzene-d5
Concen: 99.437 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 1272867
Ion Ratio Lower Upper
82 100
128 47.3 36.2 54.4
54 61.9 50.4 75.6

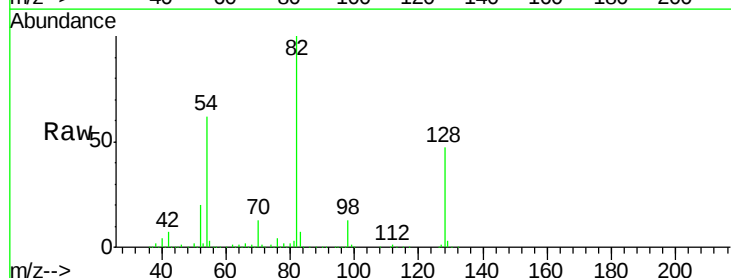


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

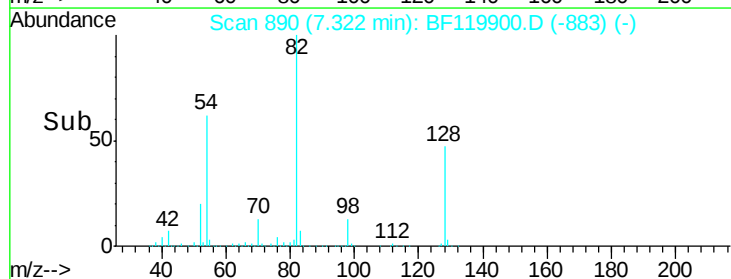
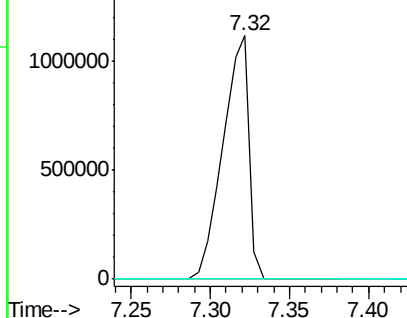


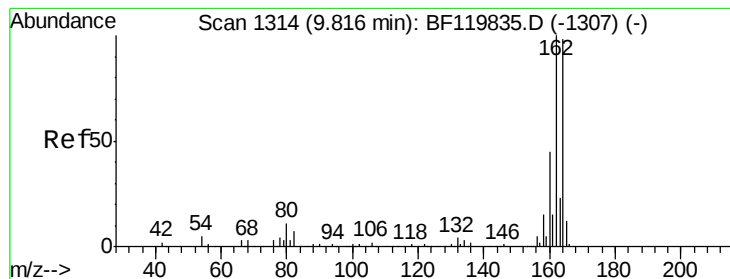
#25
Isophorone
Concen: 51.460 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Tgt Ion: 82 Resp: 1269843
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.5 21.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

Instrument :

BNA_F

ClientSampleId :

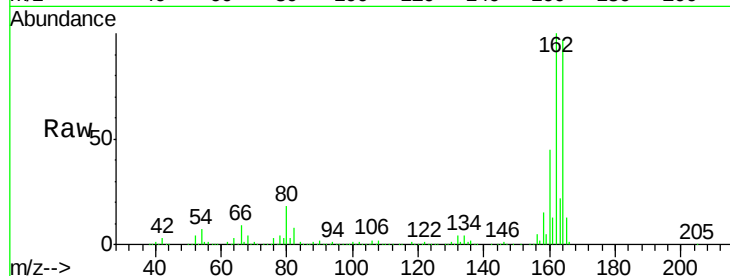
Tot Ion:164 Resp: 371403

Ion Ratio Lower Upper

164 100

162 102.7 81.9 122.9

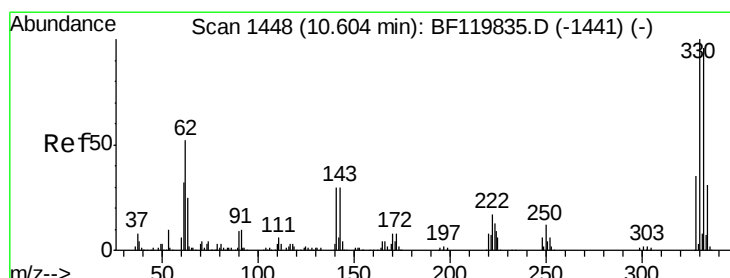
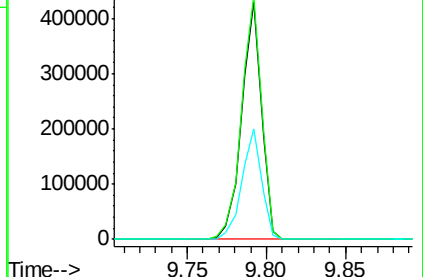
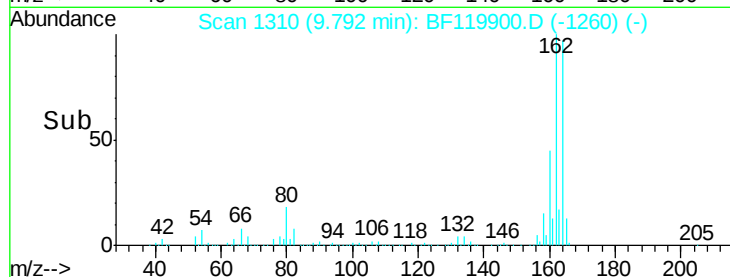
160 46.5 36.6 54.8



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: 134.887 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

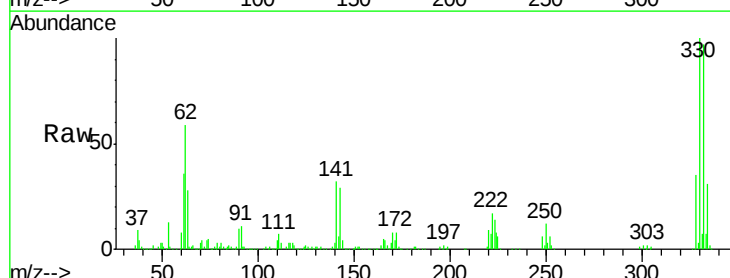
Tgt Ion:330 Resp: 613362

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

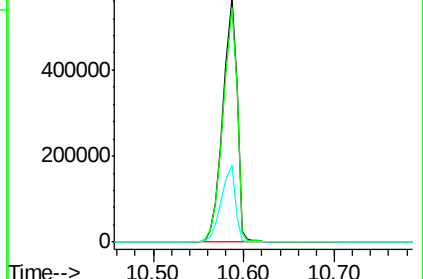
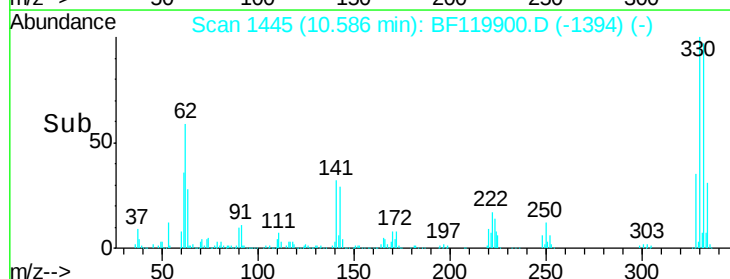
141 31.3 25.1 37.7

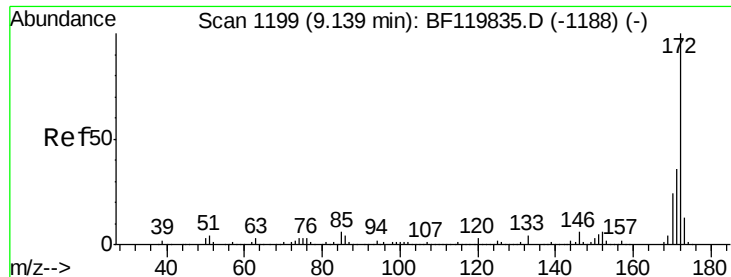


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

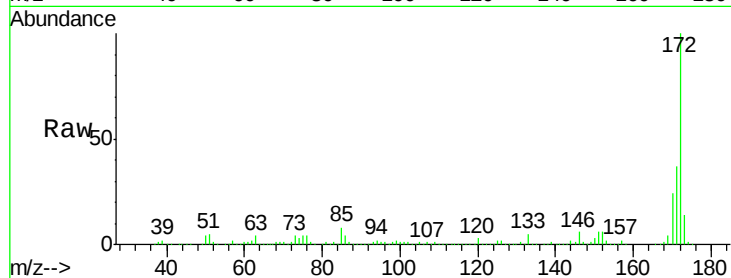




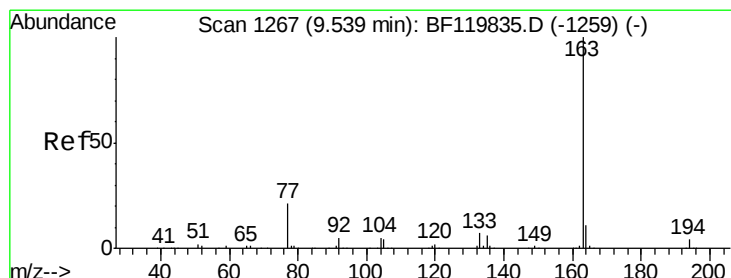
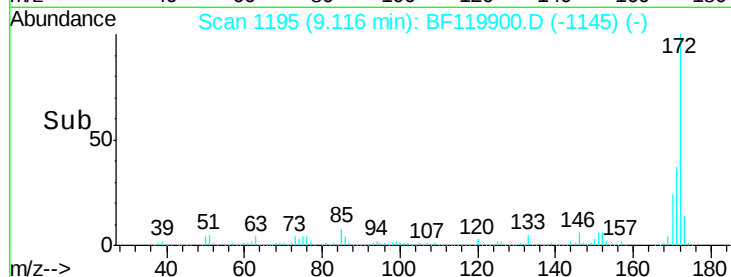
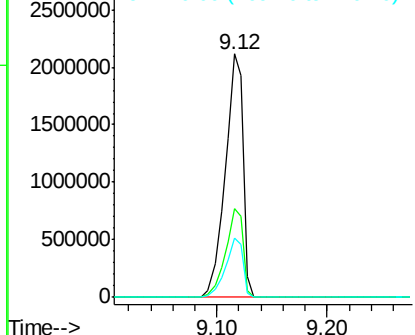
#45
2-Fluorobiphenyl
Concen: 90.896 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 2377759
Ion Ratio Lower Upper
172 100
171 36.6 28.9 43.3
170 24.3 19.4 29.2

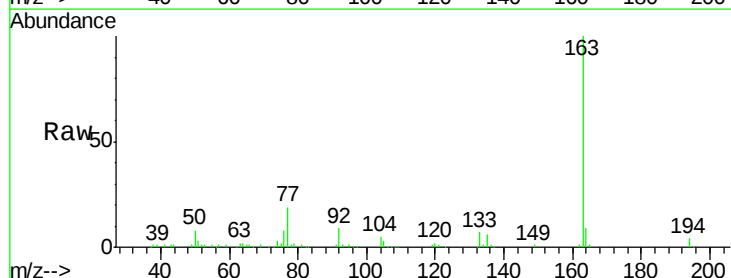


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

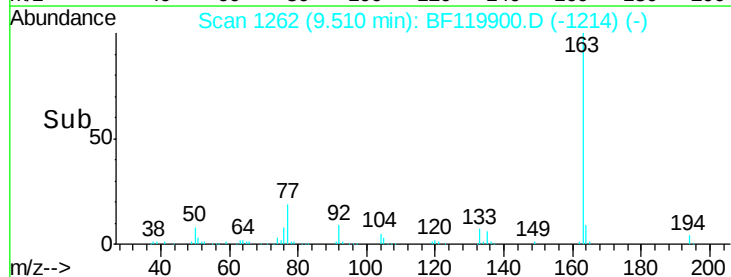
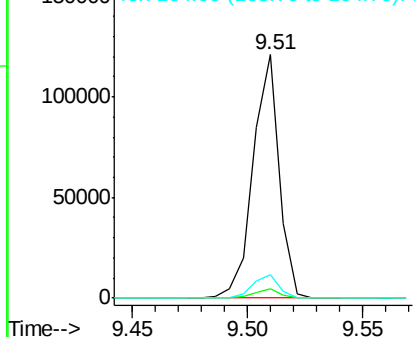


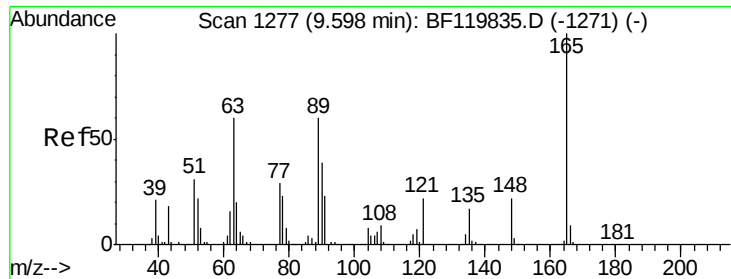
#50
Dimethylphthalate
Concen: 3.342 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Tgt Ion:163 Resp: 95997
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 9.4 8.4 12.6



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

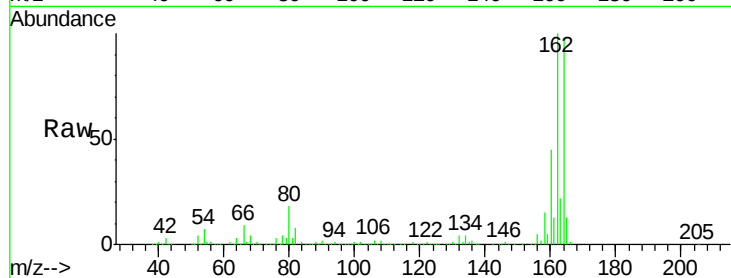




#51
 2,6-Dinitrotoluene
 Concen: 7.797 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.21 min
 Lab File: BF119900.D
 Acq: 10 Apr 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :

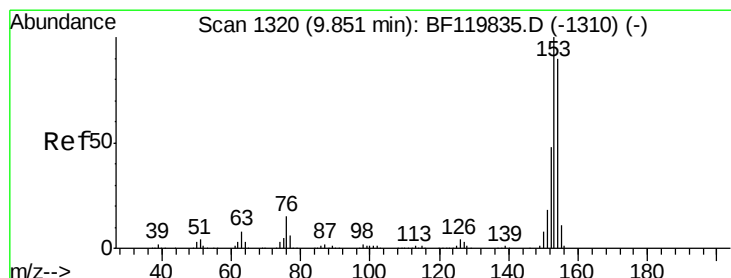
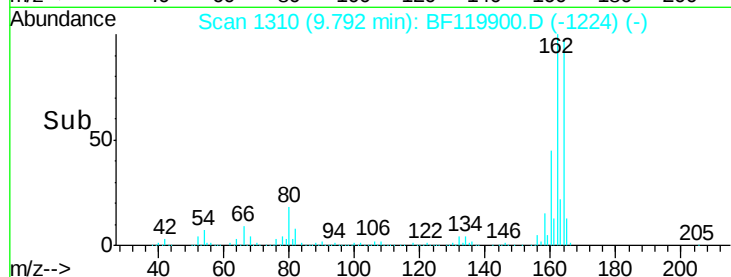
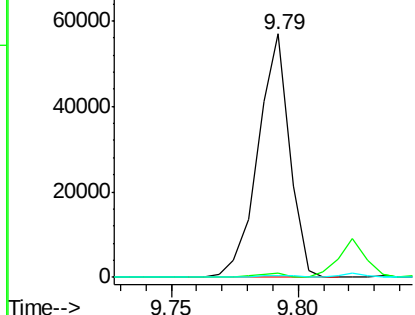
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	55.6	83.4#
89	0.9	47.9	71.9#



Abundance Ion 165.00 (164.70 to 165.70): E

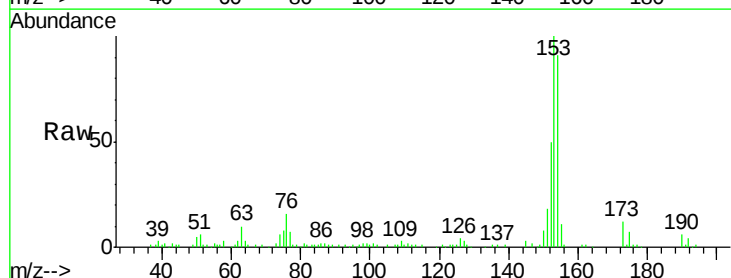
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 2.808 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF119900.D
 Acq: 10 Apr 2020 17:45

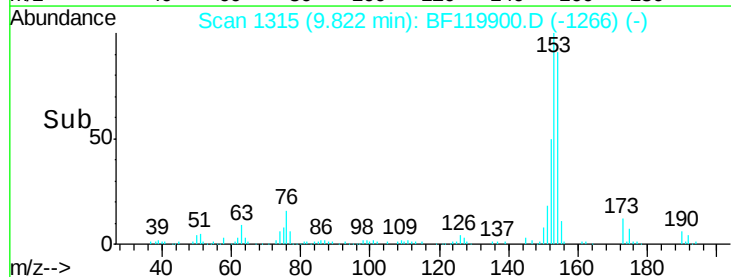
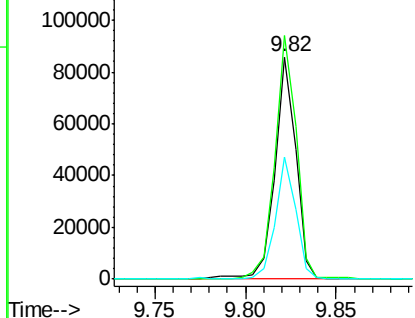
Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.6	88.8	133.2
152	54.9	42.4	63.6

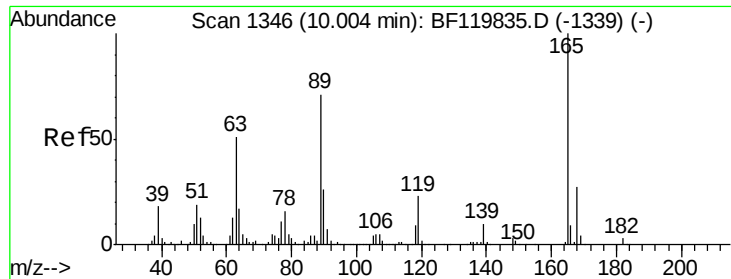


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

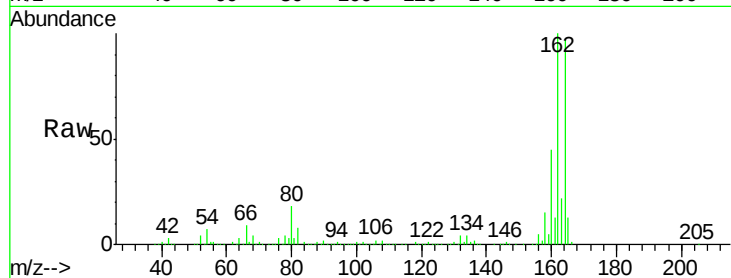




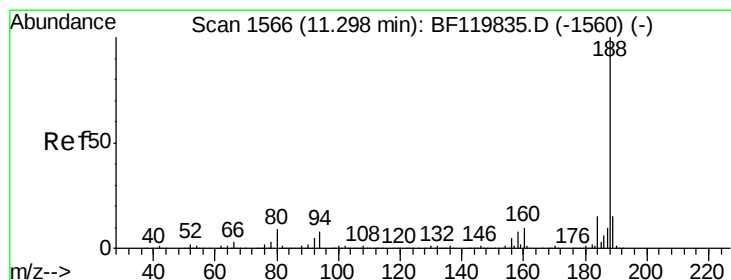
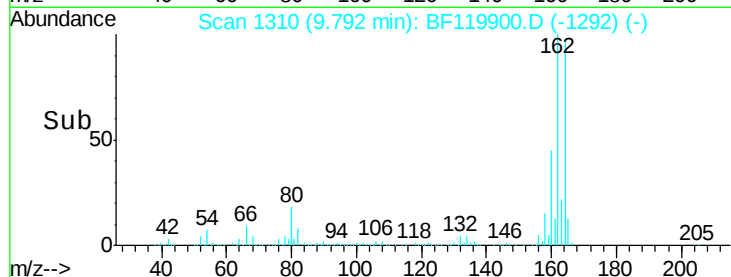
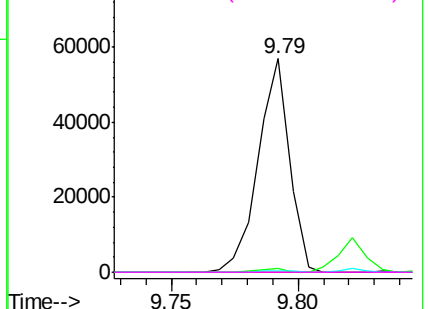
#57
2,4-Dinitrotoluene
Concen: 5.918 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 49051
Ion Ratio Lower Upper
165 100
63 1.6 40.8 61.2#
89 0.9 56.9 85.3#
182 0.0 2.0 3.0#

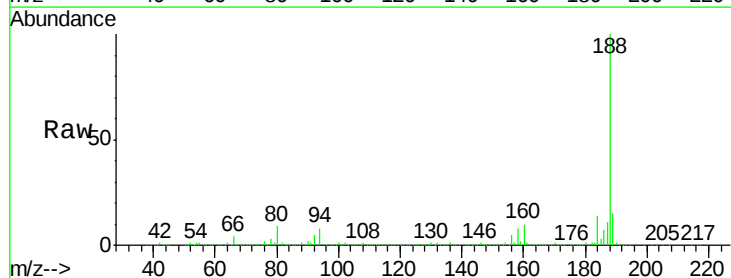


Abundance Ion 165.00 (164.70 to 165.70): E

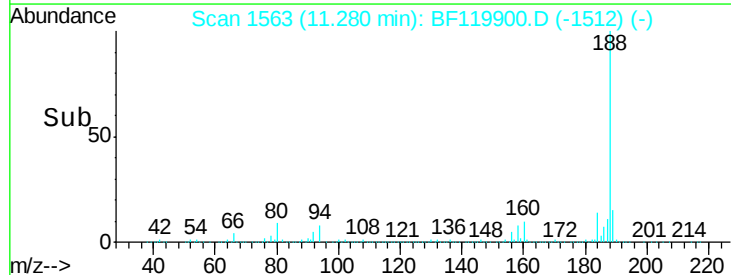
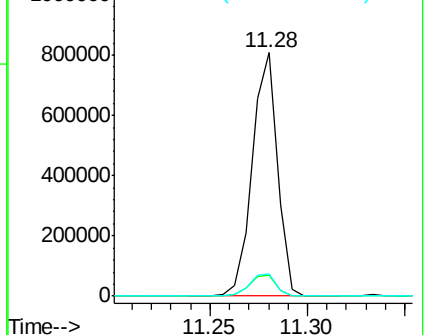


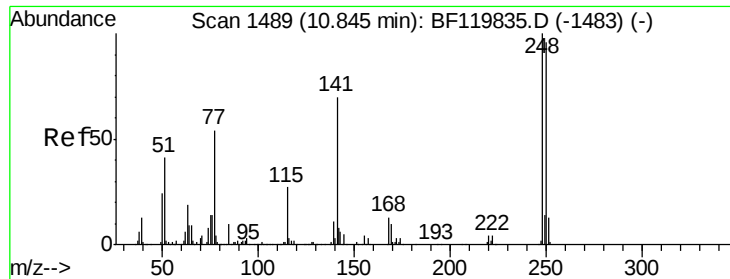
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF119900.D
Acq: 10 Apr 2020 17:45

Tgt Ion:188 Resp: 724025
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 9.2 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

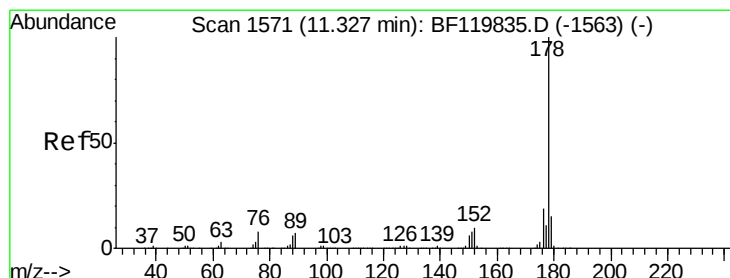
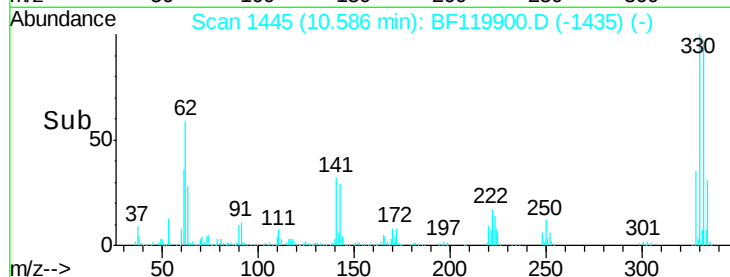
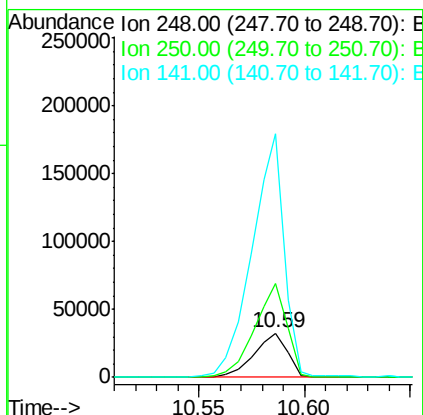
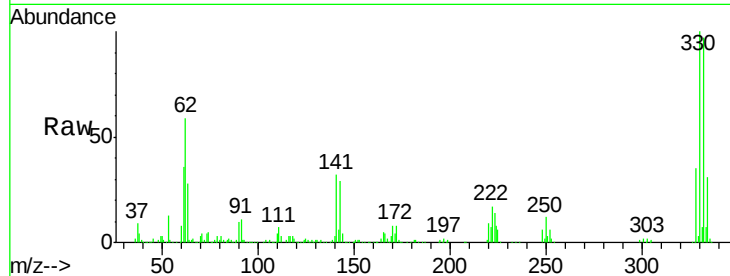




#67
 4-Bromophenyl-phenylether
 Concen: 4.036 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.24 min
 Lab File: BF119900.D
 Acq: 10 Apr 2020 17:45

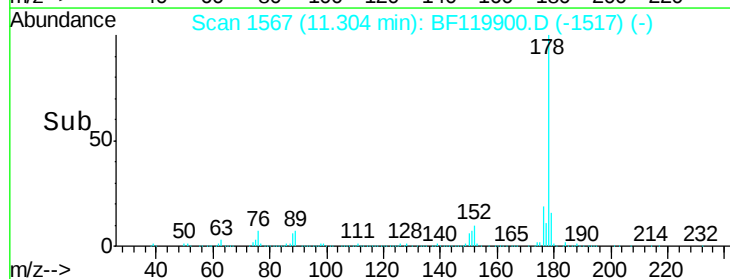
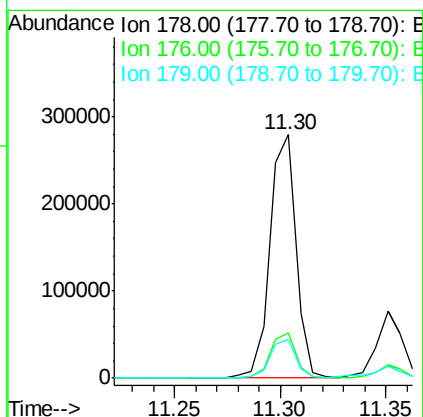
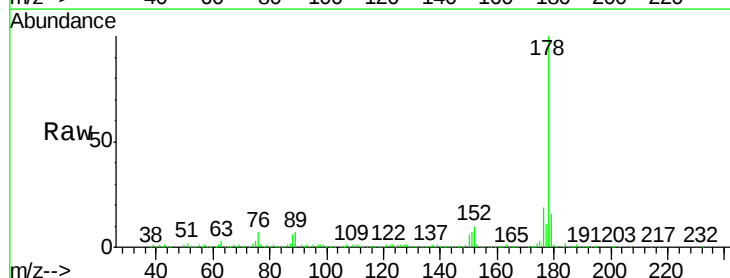
Instrument :
 BNA_F
 ClientSampleId :

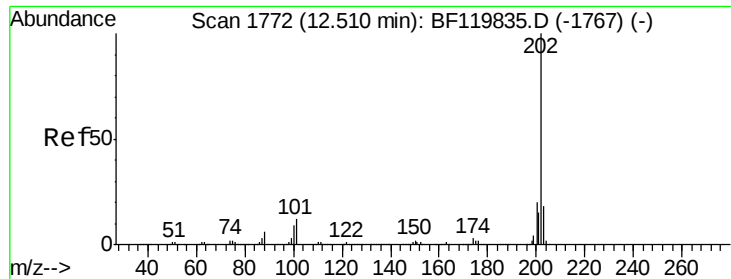
Tot Ion:248 Resp: 36342
 Ion Ratio Lower Upper
 248 100
 250 209.7 76.6 114.8#
 141 546.5 55.9 83.9#



#71
 Phenanthrene
 Concen: 6.204 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF119900.D
 Acq: 10 Apr 2020 17:45

Tgt Ion:178 Resp: 239071
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.8 12.2 18.4





#75

Fluoranthene

Concen: 2.764 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

Instrument :

BNA_F

ClientSampleId :

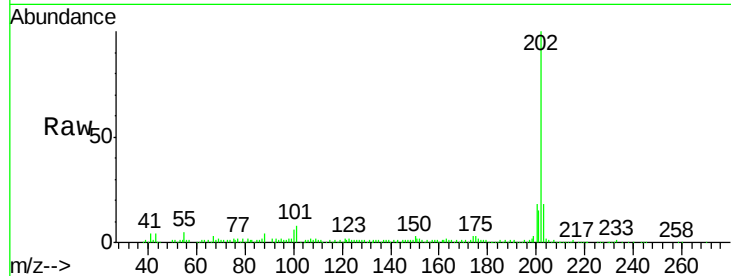
Tot Ion:202 Resp: 114933

Ion Ratio Lower Upper

202 100

101 8.4 0.0 32.3

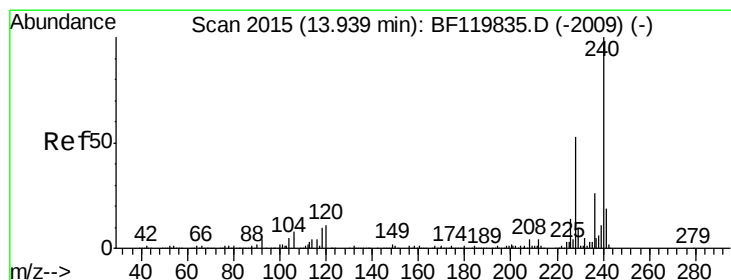
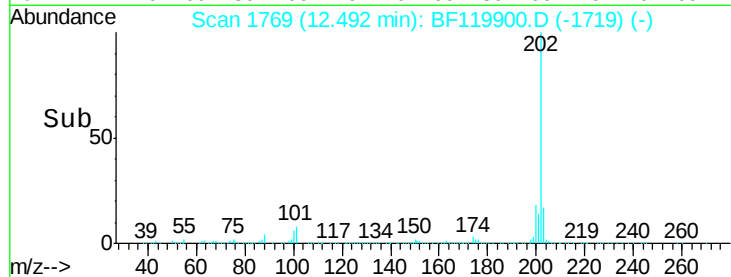
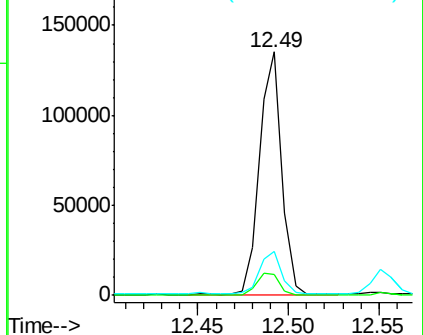
203 17.8 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

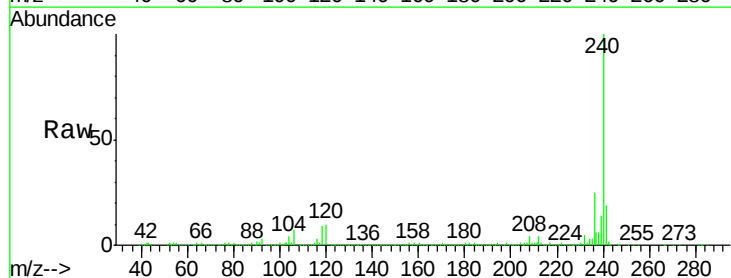
Tgt Ion:240 Resp: 532821

Ion Ratio Lower Upper

240 100

120 10.1 9.0 13.6

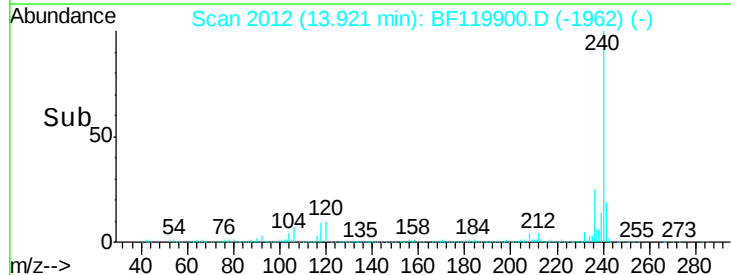
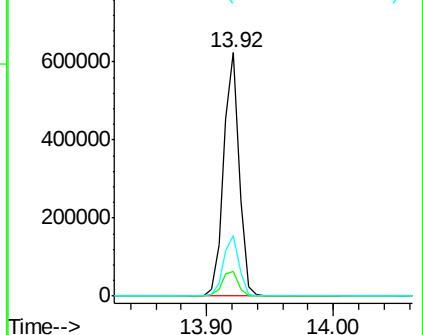
236 25.0 20.7 31.1

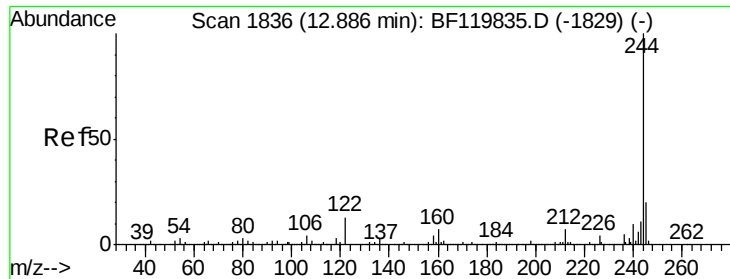


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.062 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

Instrument :

BNA_F

ClientSampleId :

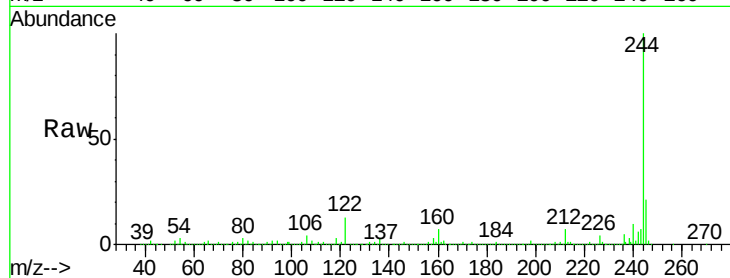
Tot Ion:244 Resp: 2693517

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

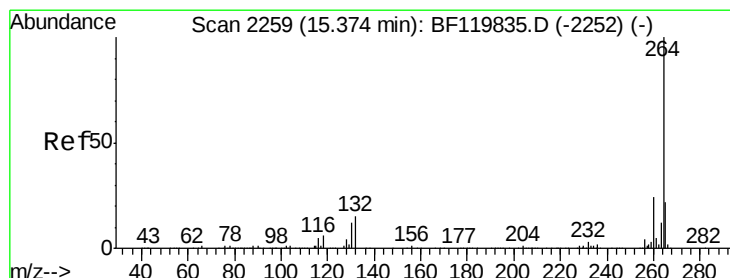
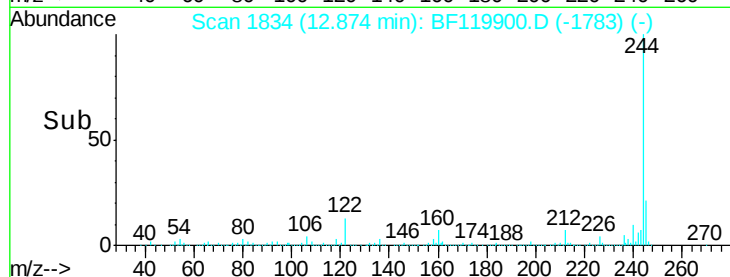
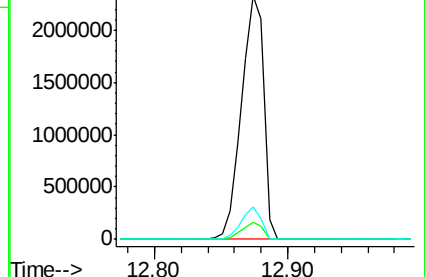
122 13.4 10.3 15.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.00 min

Lab File: BF119900.D

Acq: 10 Apr 2020 17:45

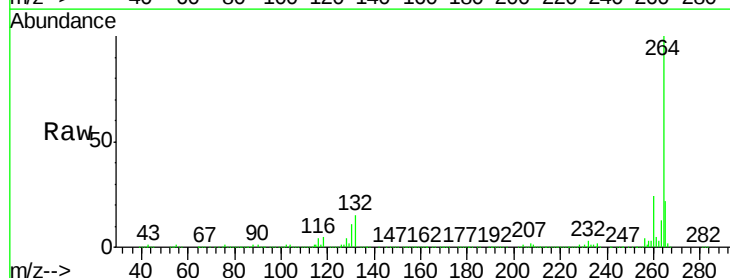
Tgt Ion:264 Resp: 434985

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.5 17.6 26.4



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

