

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121915\
 Data File : BF083920.D
 Acq On : 18 Dec 2015 18:36
 Operator : UM/SJ
 Sample : G4816-01 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9872

Quant Time: Dec 19 04:17:31 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

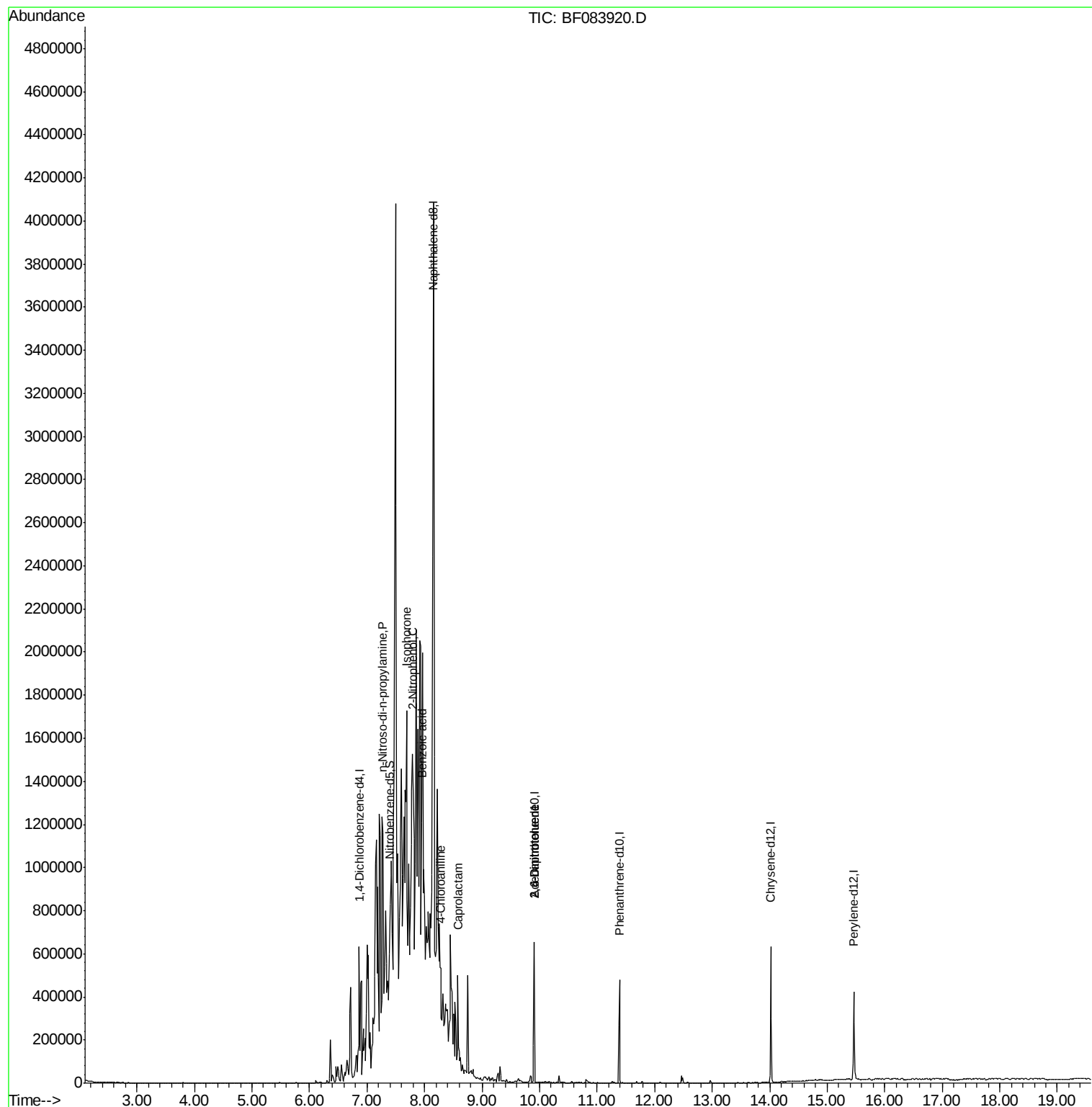
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	65010	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	161067	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	127432	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	214419	20.00	ng	0.00
75) Chrysene-d12	14.02	240	243818	20.00	ng	-0.01
86) Perylene-d12	15.46	264	199109	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2457	0.59	ng	0.00
7) Phenol-d6	6.51	99	5751	1.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	39335	13.94	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	640	0.46	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	4884	-1.00	ng	-0.01
78) Terphenyl-d14	12.97	244	6193	-6.13	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	14721	4.97	ng	# 29
25) Isophorone	7.69	82	79163	14.91	ng	# 1
26) 2-Nitrophenol	7.79	139	7765	5.14	ng	# 1
31) Naphthalene	8.18	128	12193	Below Cal	#	76
32) Benzoic acid	7.95	122	7405	11.63	ng	# 1
33) 4-Chloroaniline	8.28	127	8550	2.34	ng	# 63
35) Caprolactam	8.58	113	9237	11.84	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	1312	Below Cal	#	20
45) 1,1'-Biphenyl	9.32	154	1803	Below Cal	#	92
50) 2,6-Dinitrotoluene	9.90	165	16265	6.97	ng	# 35
56) 2,4-Dinitrotoluene	9.90	165	16266	5.44	ng	# 20

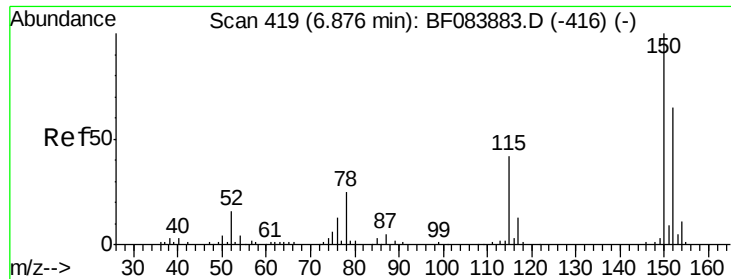
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampleId :

LAR-9872

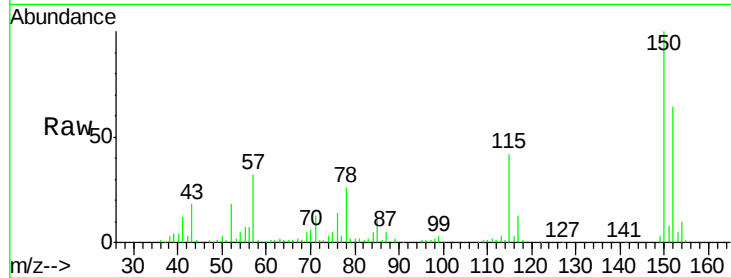
Tgt Ion:152 Resp: 65010

Ion Ratio Lower Upper

152 100

150 156.2 123.0 184.4

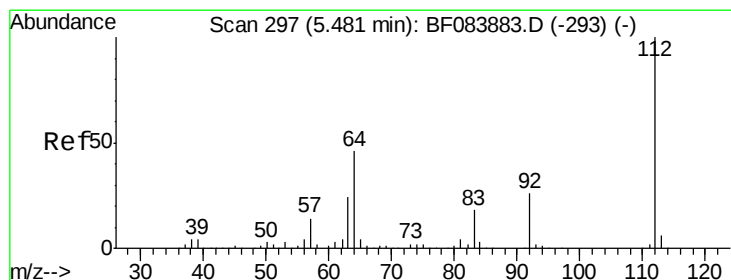
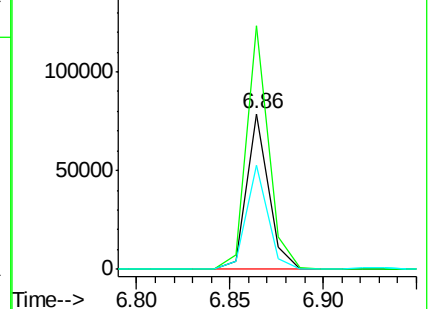
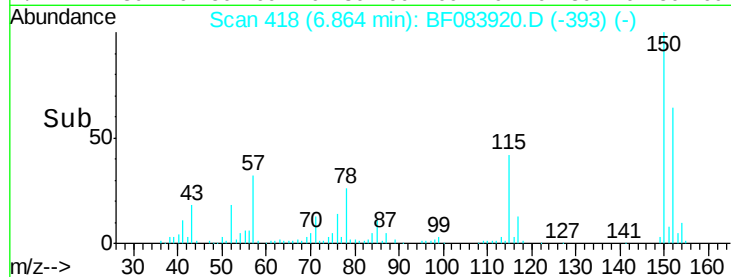
115 66.4 51.4 77.2



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: 0.59 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

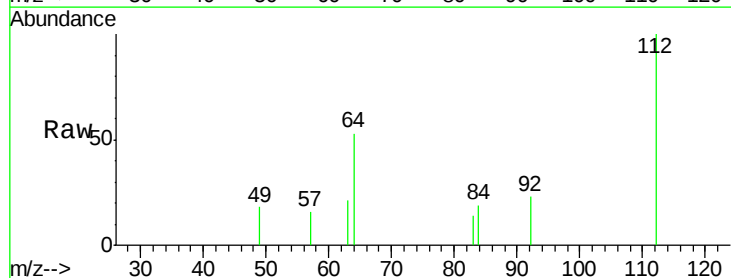
Tgt Ion:112 Resp: 2457

Ion Ratio Lower Upper

112 100

64 53.1 36.6 55.0

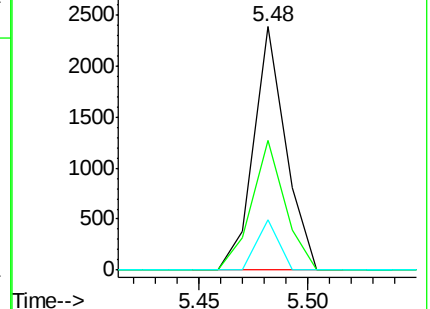
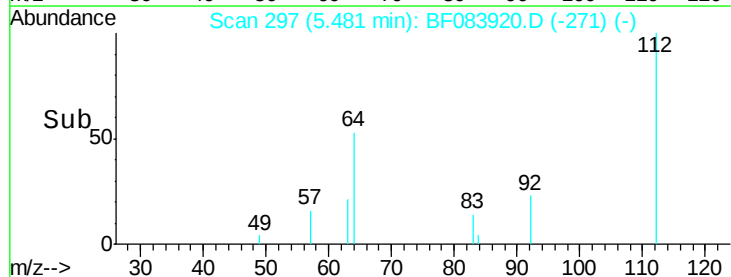
63 20.9 19.4 29.0

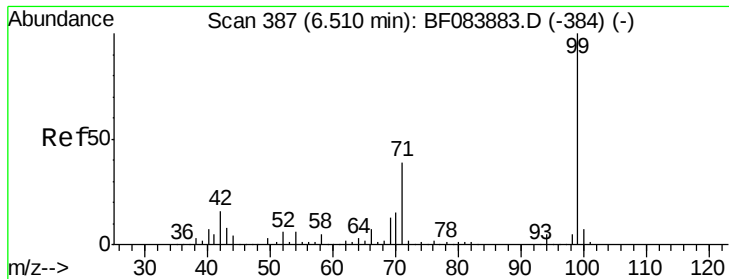


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.13 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampleId :

LAR-9872

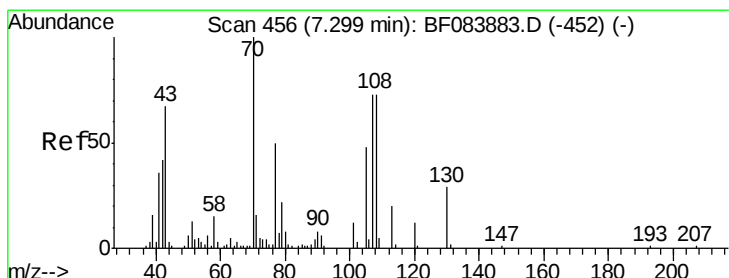
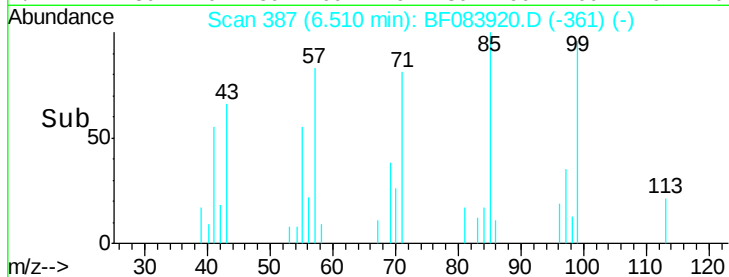
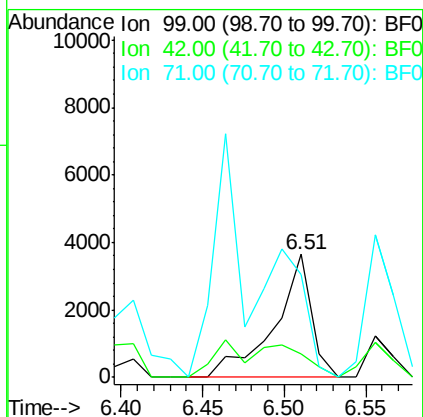
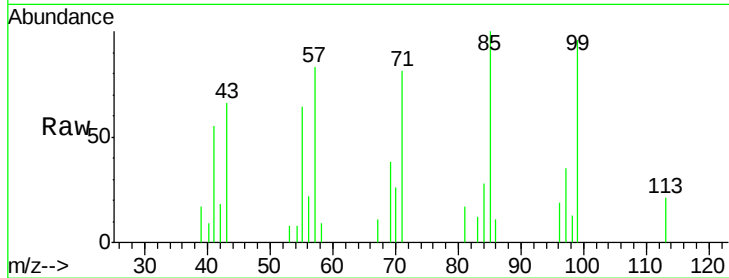
Tgt Ion: 99 Resp: 5751

Ion Ratio Lower Upper

99 100

42 18.9 12.8 19.2

71 83.9 30.9 46.3#



#19

n-Nitroso-di-n-propylamine

Concen: 4.97 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.03 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Tgt Ion: 70 Resp: 14721

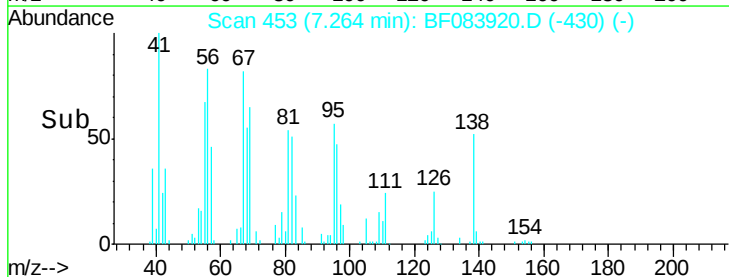
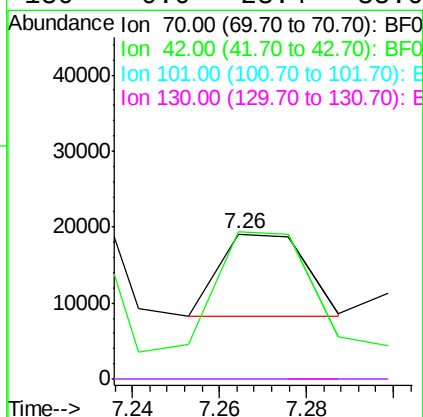
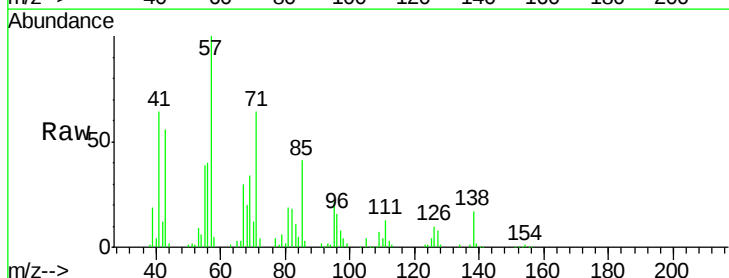
Ion Ratio Lower Upper

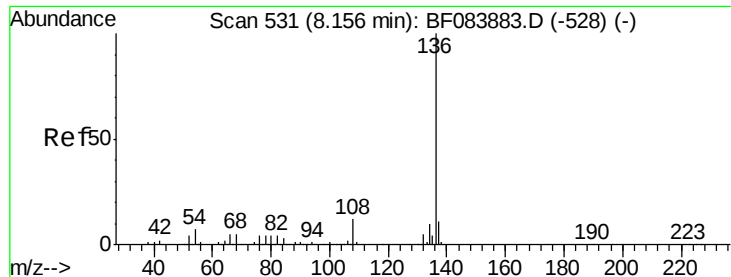
70 100

42 101.3 33.3 49.9#

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.00 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampleId :

LAR-9872

Tgt Ion:136 Resp: 161067

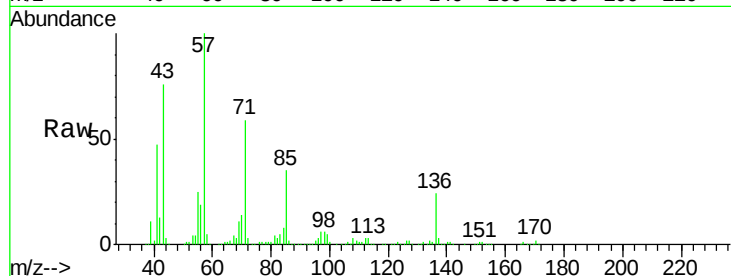
Ion Ratio Lower Upper

136 100

137 12.2 8.7 13.1

54 16.2 5.8 8.8#

68 12.3 4.2 6.2#

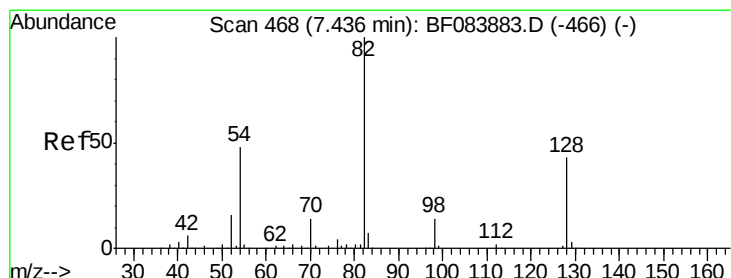
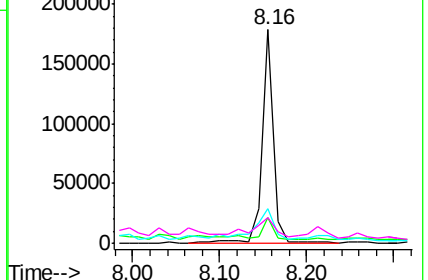
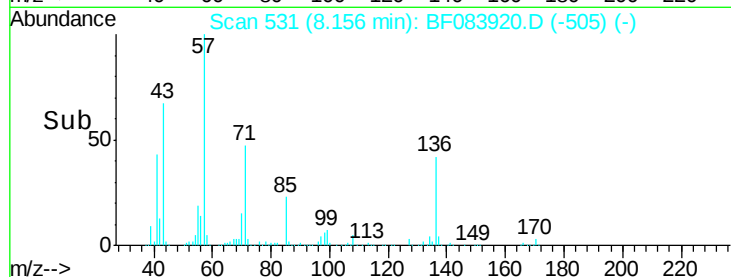


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 13.94 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.03 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

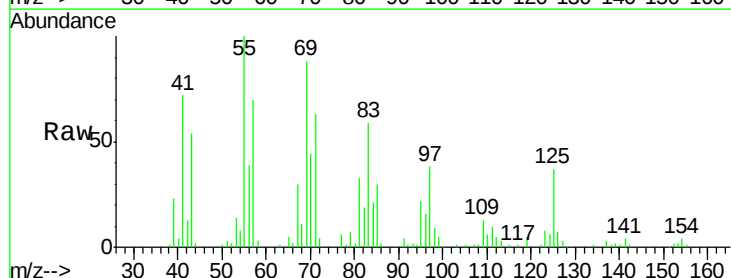
Tgt Ion: 82 Resp: 39335

Ion Ratio Lower Upper

82 100

128 2.2 34.6 51.8#

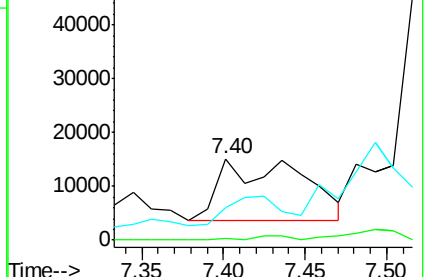
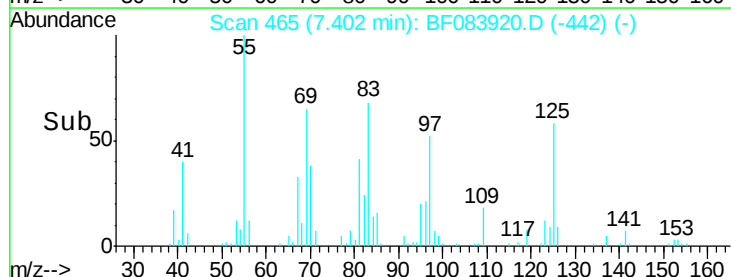
54 39.4 38.4 57.6

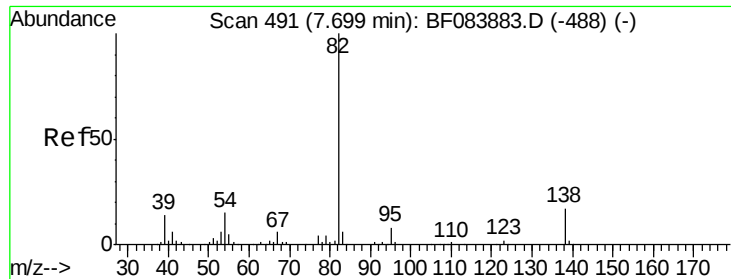


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 14.91 ng

RT: 7.69 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampleId :

LAR-9872

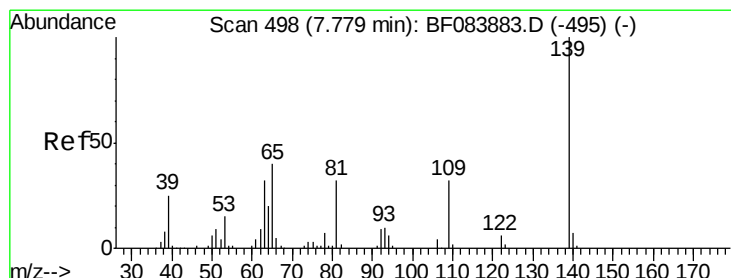
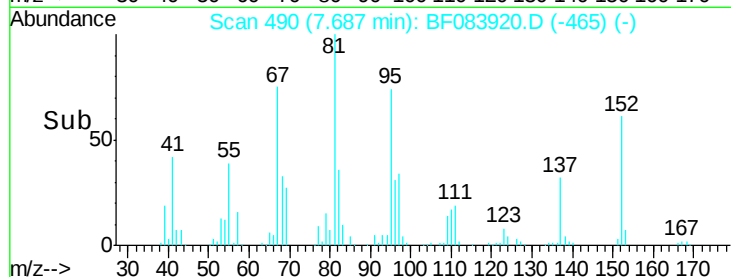
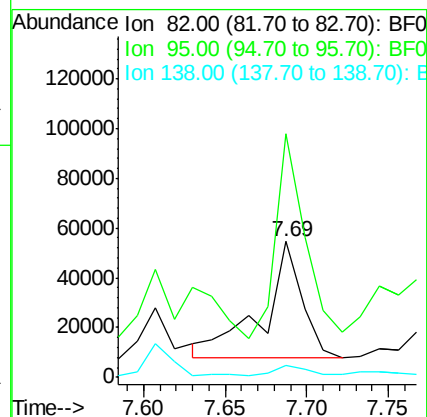
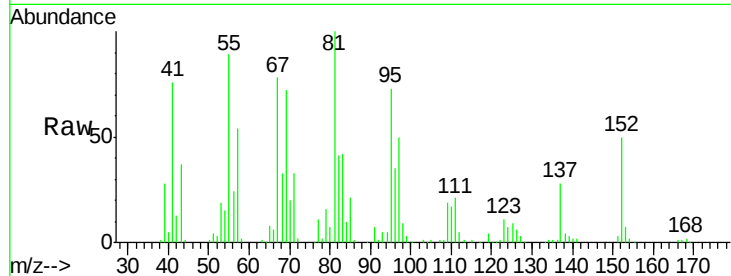
Tgt Ion: 82 Resp: 79163

Ion Ratio Lower Upper

82 100

95 179.5 6.6 10.0#

138 9.0 13.6 20.4#



#26

2-Nitrophenol

Concen: 5.14 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.01 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

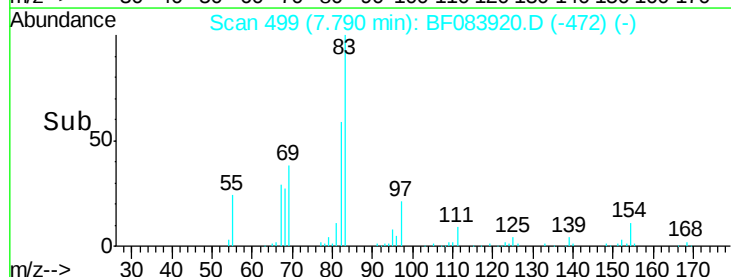
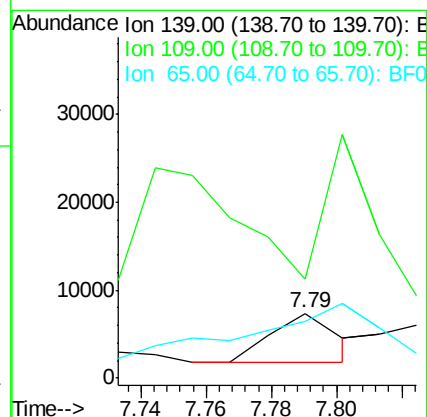
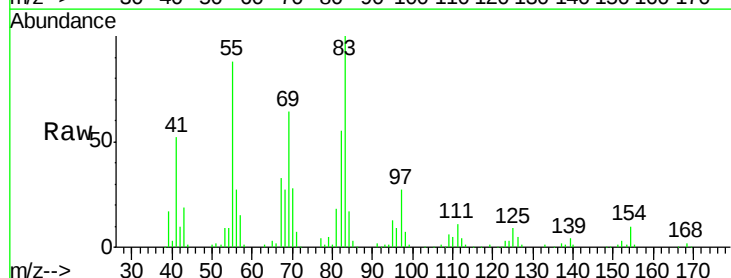
Tgt Ion: 139 Resp: 7765

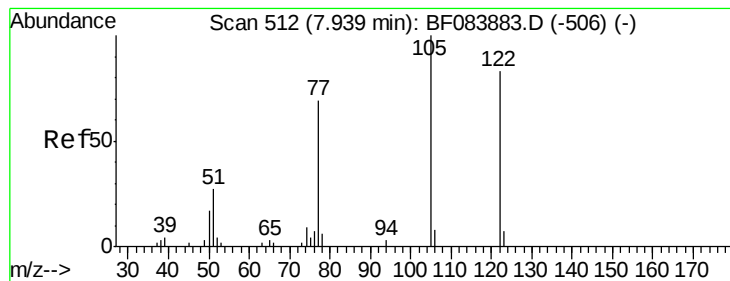
Ion Ratio Lower Upper

139 100

109 153.0 25.4 38.2#

65 88.7 32.3 48.5#





#32

Benzoic acid

Concen: 11.63 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.01 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampleId :

LAR-9872

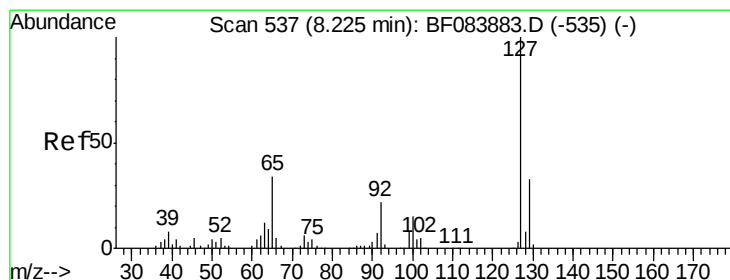
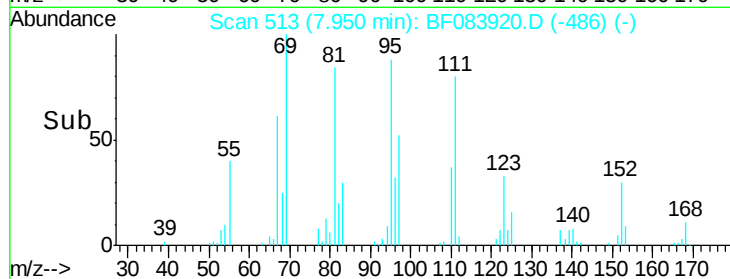
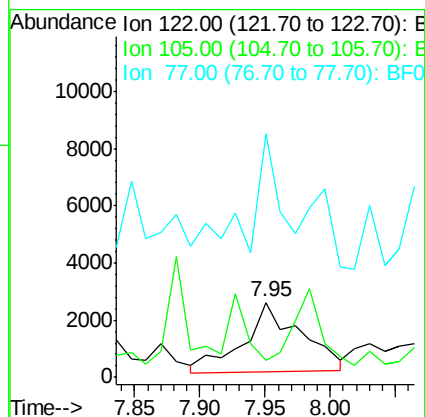
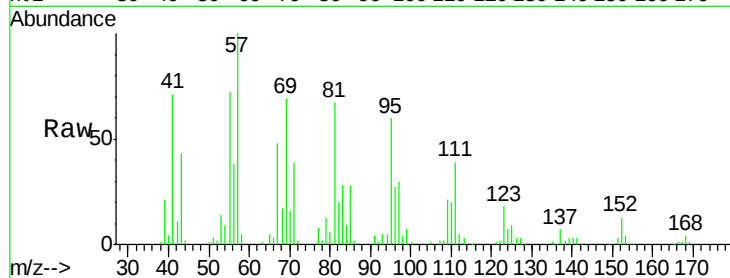
Tgt Ion:122 Resp: 7405

Ion Ratio Lower Upper

122 100

105 22.9 100.3 140.3#

77 324.0 63.5 103.5#



#33

4-Chloroaniline

Concen: 2.34 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.06 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Tgt Ion:127 Resp: 8550

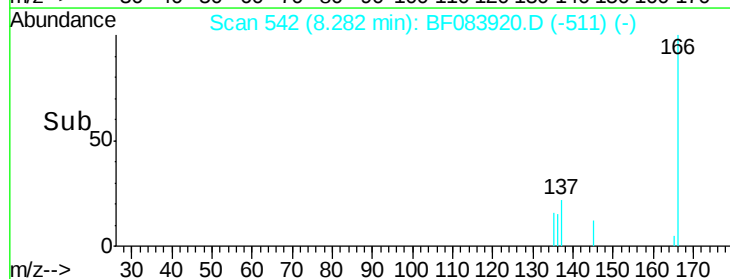
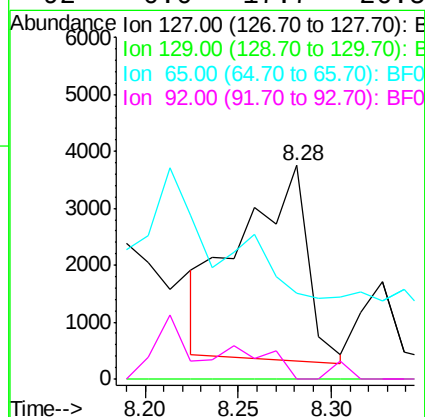
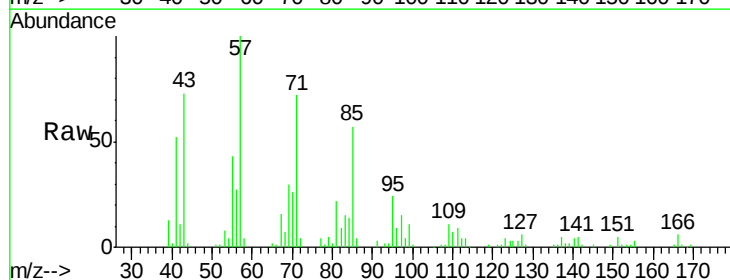
Ion Ratio Lower Upper

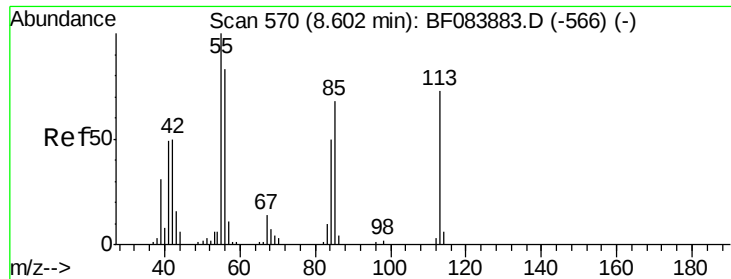
127 100

129 0.0 26.5 39.7#

65 40.4 27.2 40.8

92 0.0 17.7 26.5#





#35

Caprolactam

Concen: 11.84 ng

RT: 8.58 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

Instrument :

BNA_F

ClientSampled :

LAR-9872

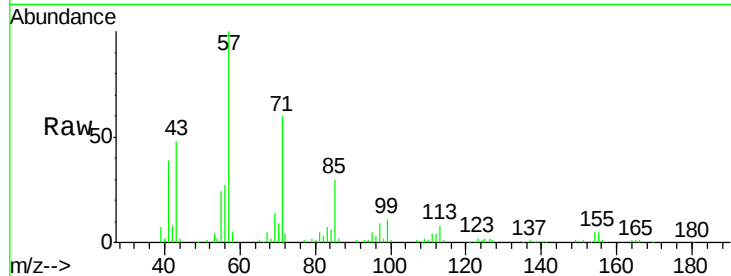
Tgt Ion:113 Resp: 9237

Ion Ratio Lower Upper

113 100

55 305.4 116.9 156.9#

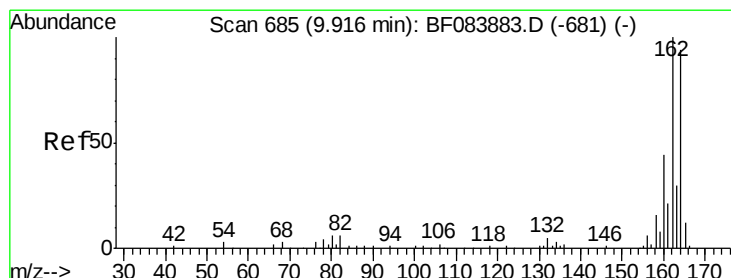
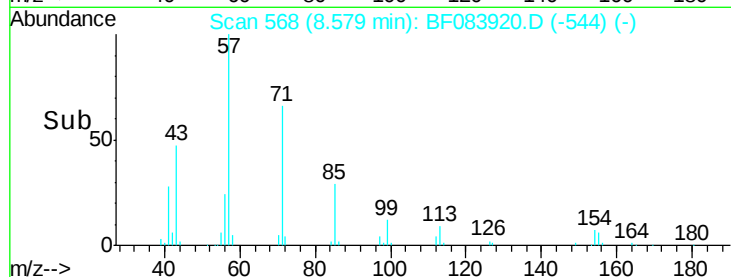
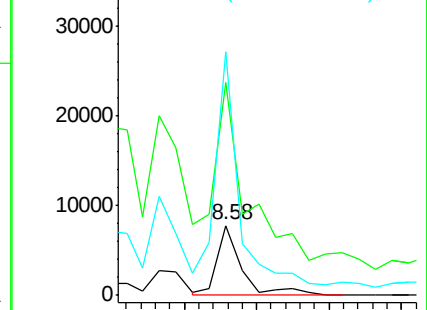
56 348.2 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF083920.D

Acq: 18 Dec 2015 18:36

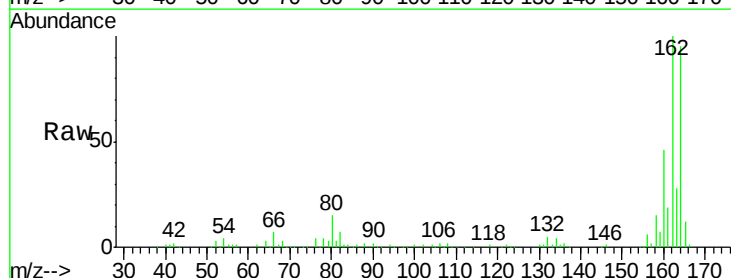
Tgt Ion:164 Resp: 127432

Ion Ratio Lower Upper

164 100

162 105.6 85.1 127.7

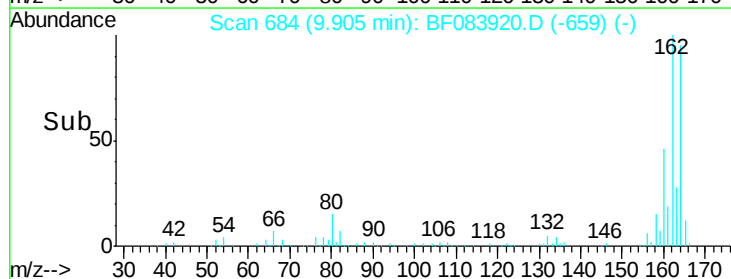
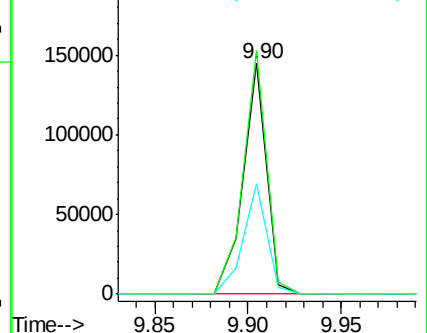
160 48.2 37.5 56.3

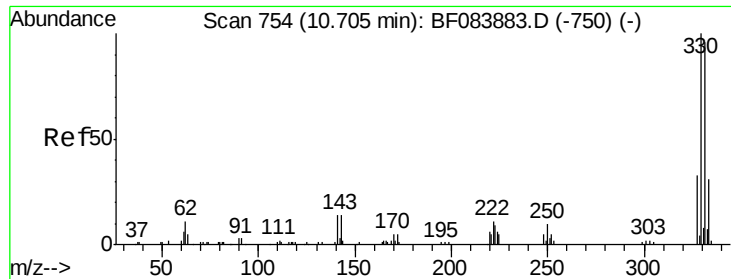


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

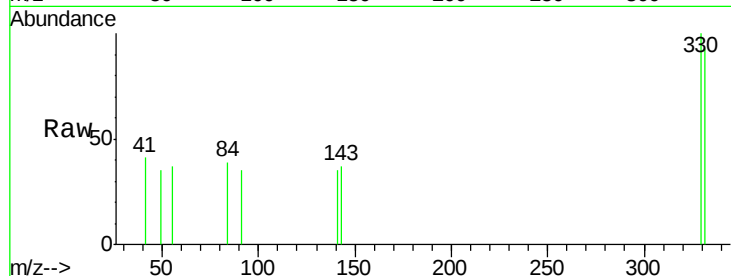




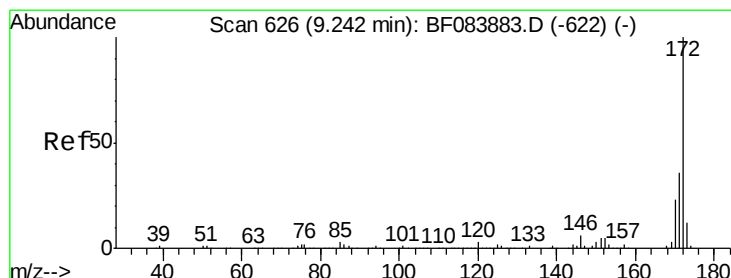
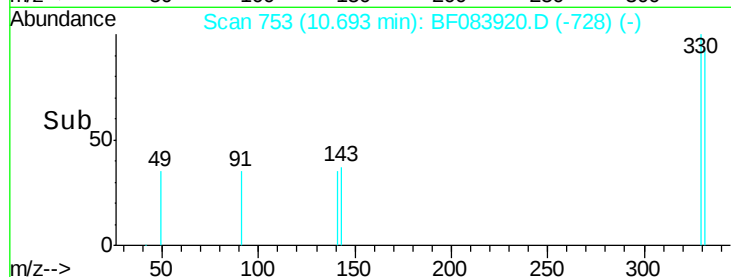
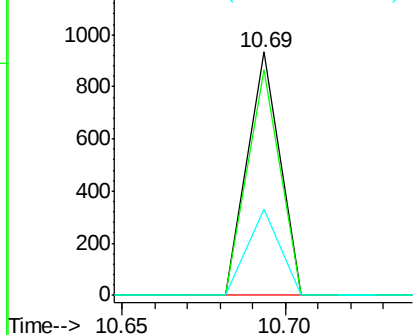
#41
 2,4,6-Tribromophenol
 Concen: 0.46 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9872

Tgt Ion:330 Resp: 640
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 114.8
 141 35.5 27.8 41.6

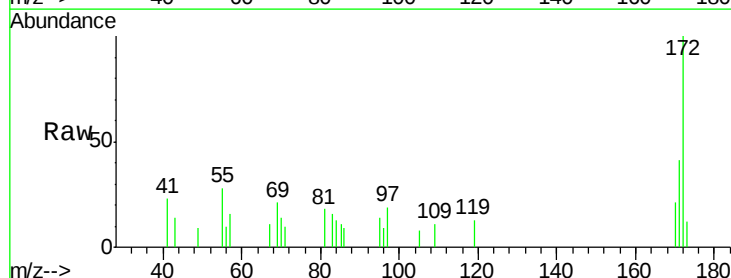


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

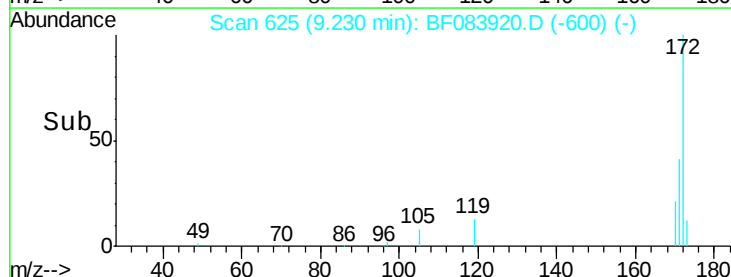
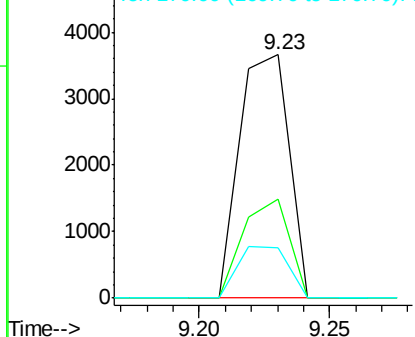


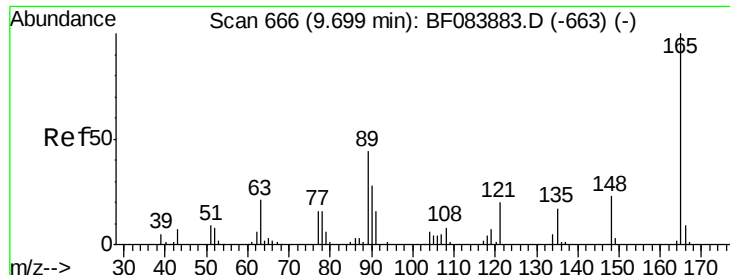
#44
 2-Fluorobiphenyl
 Concen: -1.00 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Tgt Ion:172 Resp: 4884
 Ion Ratio Lower Upper
 172 100
 171 40.6 28.9 43.3
 170 20.9 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

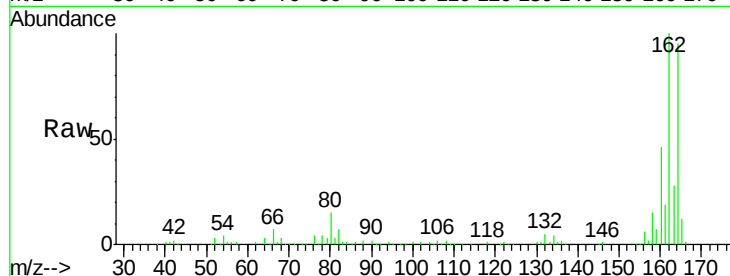




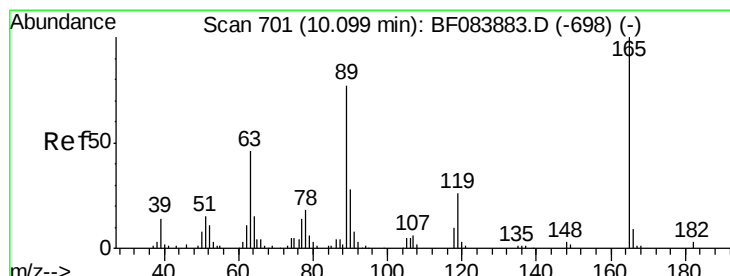
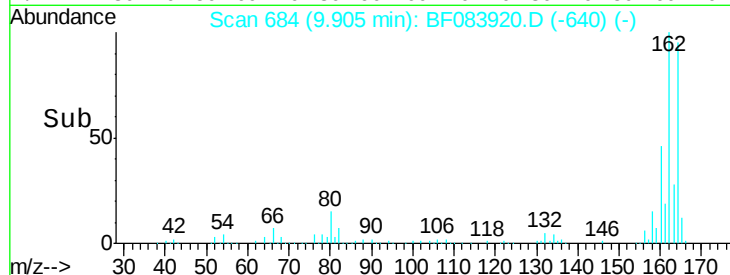
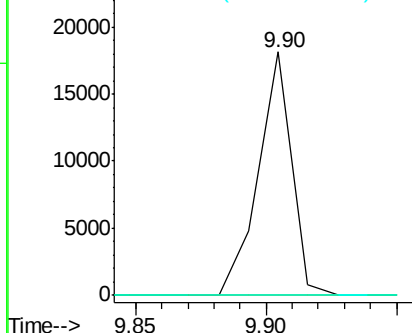
#50
 2,6-Dinitrotoluene
 Concen: 6.97 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.21 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9872

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.8	43.2#
89	0.0	35.1	52.7#



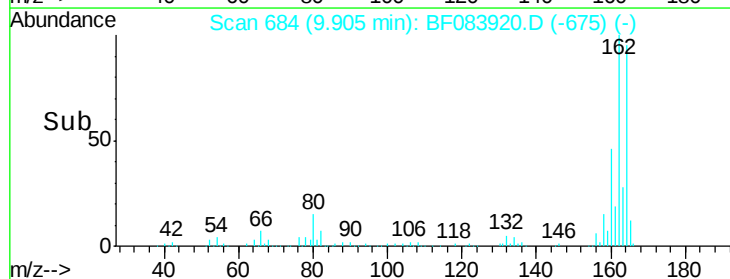
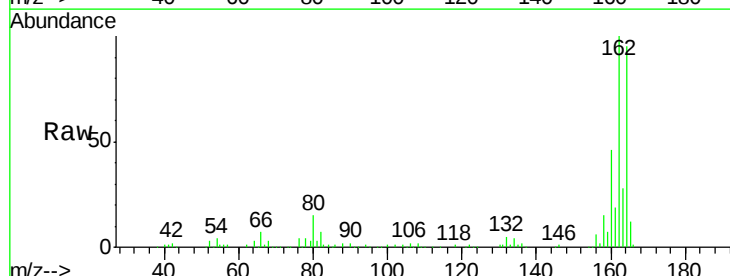
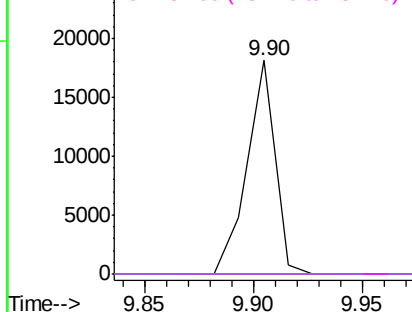
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

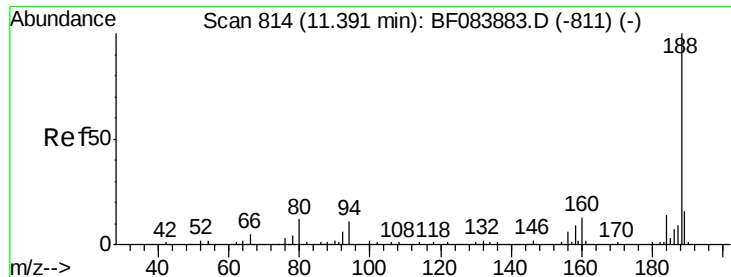


#56
 2,4-Dinitrotoluene
 Concen: 5.44 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.19 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.7	55.1#
89	0.0	61.9	92.9#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

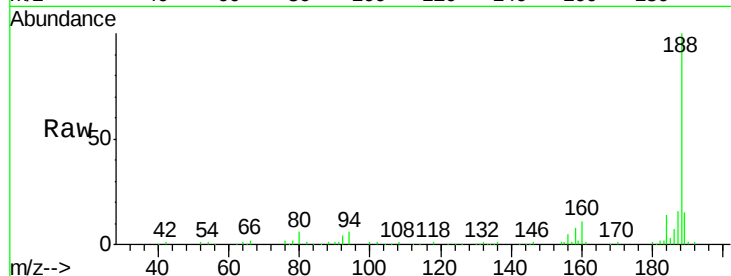




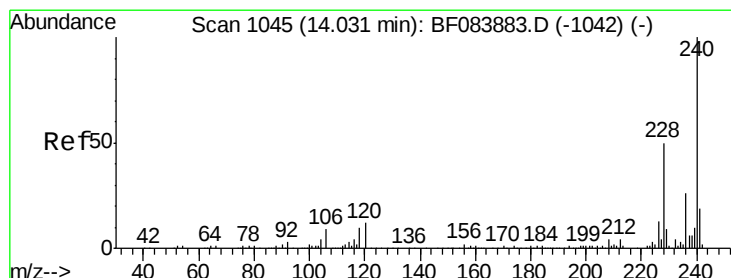
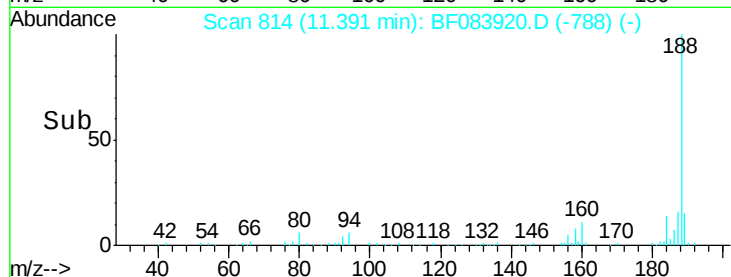
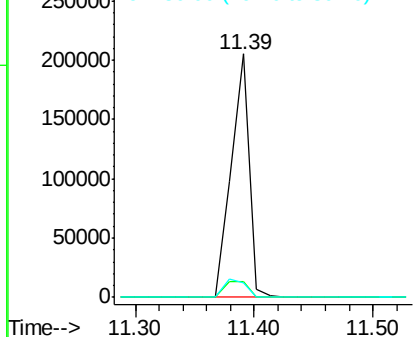
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083920.D
Acq: 18 Dec 2015 18:36

Instrument :
BNA_F
ClientSampleId :
LAR-9872

Tgt Ion:188 Resp: 214419
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.4#
80 6.2 9.6 14.4#

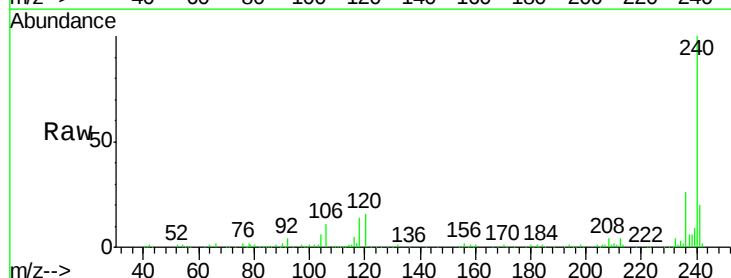


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

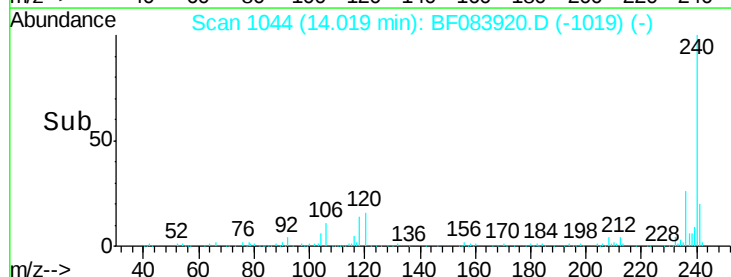
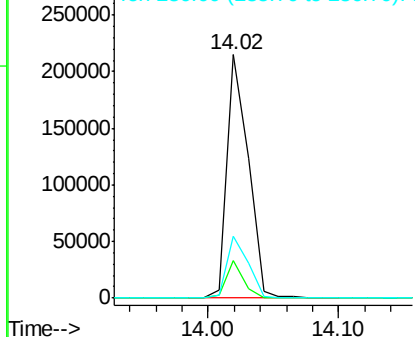


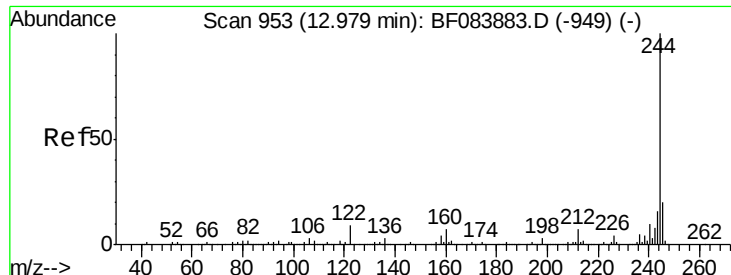
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF083920.D
Acq: 18 Dec 2015 18:36

Tgt Ion:240 Resp: 243818
Ion Ratio Lower Upper
240 100
120 15.5 9.5 14.3#
236 25.6 20.6 31.0



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

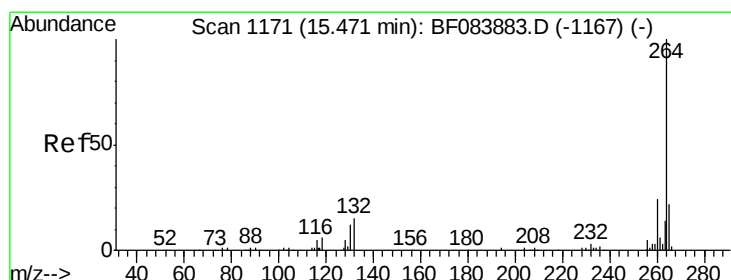
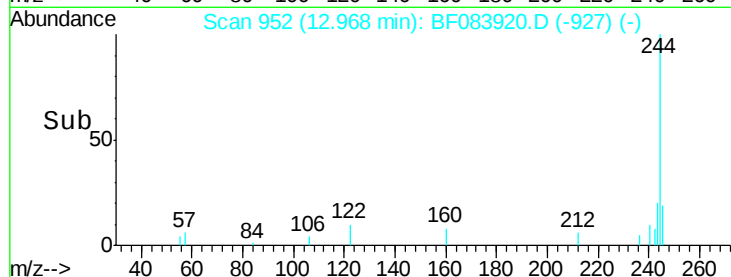
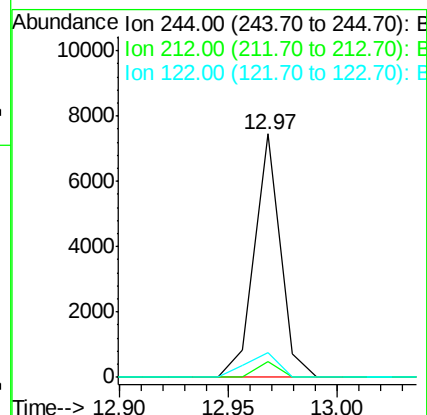
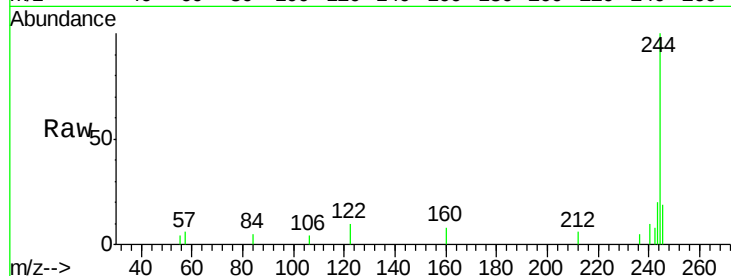




#78
 Terphenyl-d14
 Concen: -6.13 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.01 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9872

Tgt Ion:244 Resp: 6193
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 10.1 7.4 11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF083920.D
 Acq: 18 Dec 2015 18:36

Tgt Ion:264 Resp: 199109
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.8 17.8 26.6

