

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121615\
 Data File : BF083855.D
 Acq On : 16 Dec 2015 18:29
 Operator : UM/SJ
 Sample : G4795-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-MILLSTONE

Quant Time: Dec 17 03:24:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

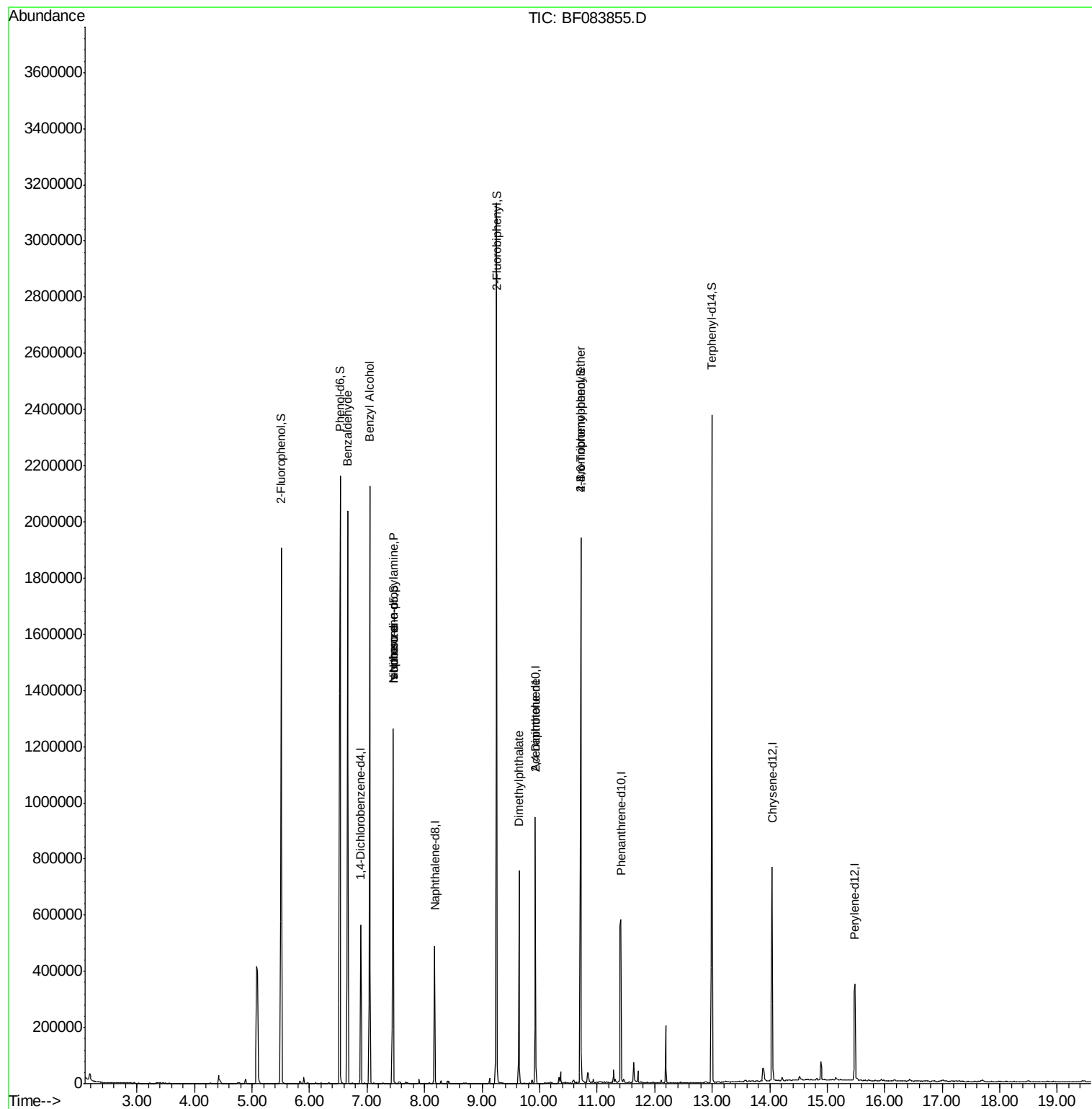
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	86883	20.00	ng	-0.03
21) Naphthalene-d8	8.18	136	343544	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	180658	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	317778	20.00	ng	-0.03
75) Chrysene-d12	14.04	240	272558	20.00	ng	-0.03
86) Perylene-d12	15.48	264	191468	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	733183	136.14	ng	-0.02
7) Phenol-d6	6.53	99	987090	144.73	ng	-0.01
23) Nitrobenzene-d5	7.46	82	623285	101.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	250083	135.85	ng	-0.03
44) 2-Fluorobiphenyl	9.25	172	1041155	84.19	ng	-0.03
78) Terphenyl-d14	12.99	244	914400	72.17	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.66	77	16352	4.46	ng	Qvalue 93
15) Benzyl Alcohol	7.05	79	10649	2.13	ng	# 52
19) n-Nitroso-di-n-propylamine	7.46	70	82948	19.86	ng	# 65
25) Isophorone	7.46	82	576105	47.82	ng	# 69
49) Dimethylphthalate	9.64	163	284406	20.19	ng	99
56) 2,4-Dinitrotoluene	9.93	165	22650	5.80	ng	# 12
66) 4-Bromophenyl-phenylether	10.72	248	17903	5.04	ng	# 1

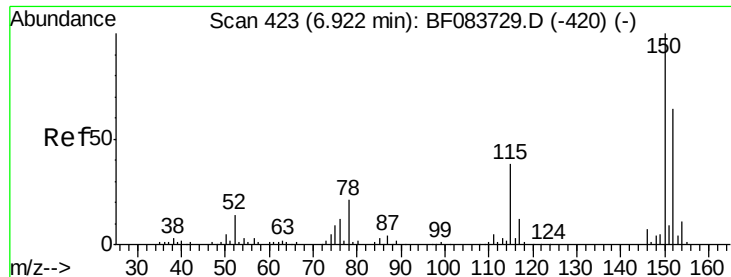
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

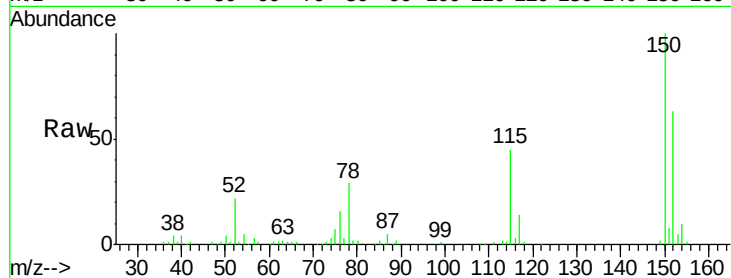
Tgt Ion:152 Resp: 86883

Ion Ratio Lower Upper

152 100

150 159.4 126.5 189.7

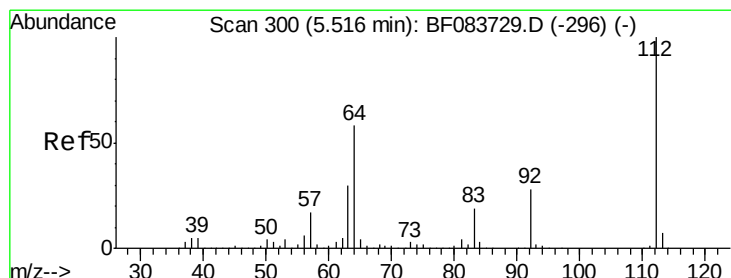
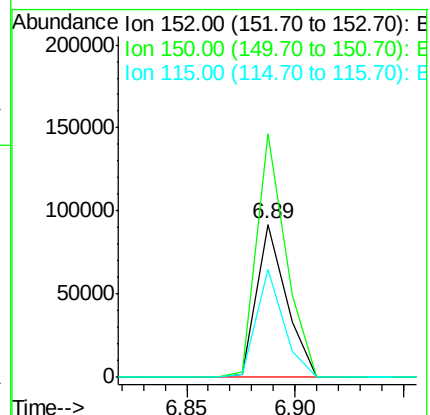
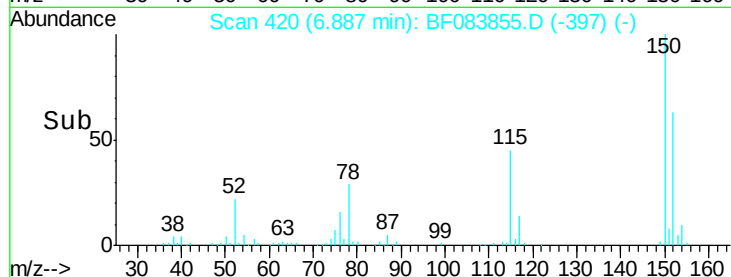
115 71.1 52.3 78.5



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: 136.14 ng

RT: 5.50 min Scan# 299

Delta R.T. -0.02 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

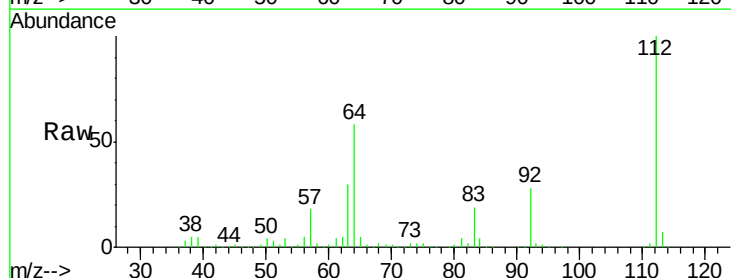
Tgt Ion:112 Resp: 733183

Ion Ratio Lower Upper

112 100

64 57.8 50.5 75.7

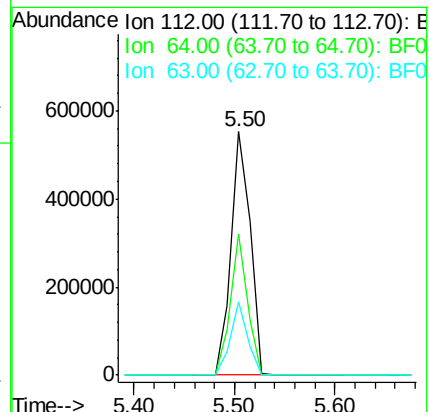
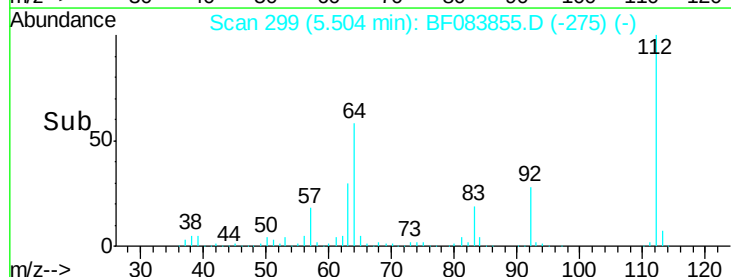
63 30.0 25.8 38.6

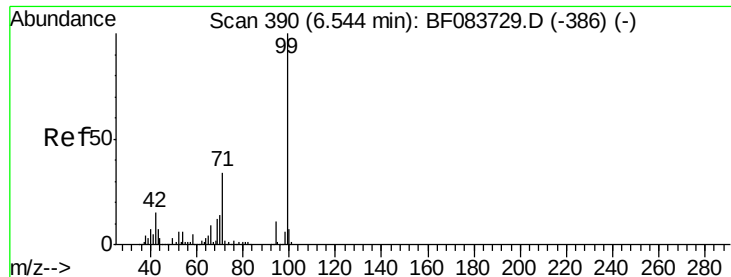


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 144.73 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

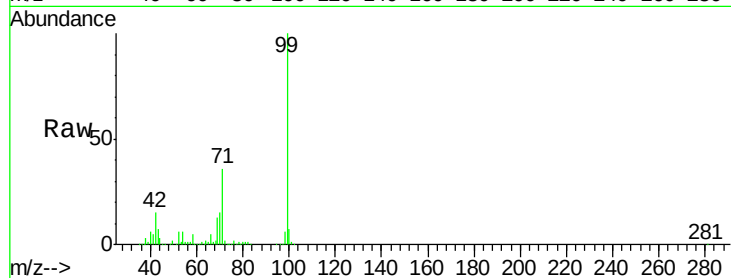
Tgt Ion: 99 Resp: 987090

Ion Ratio Lower Upper

99 100

42 15.1 17.3 25.9#

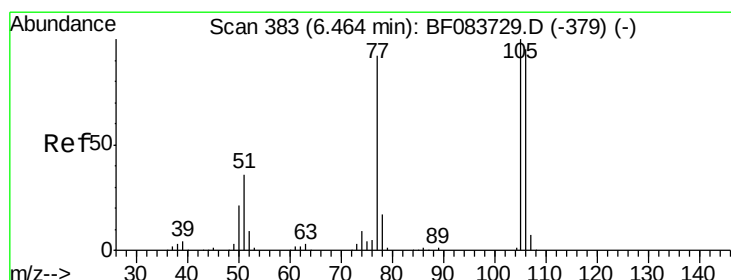
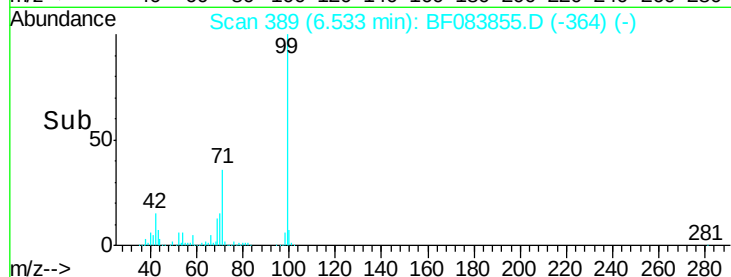
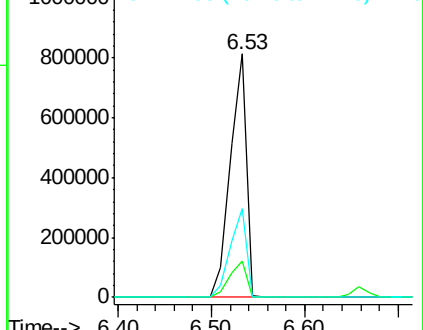
71 36.5 26.6 40.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.46 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.19 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

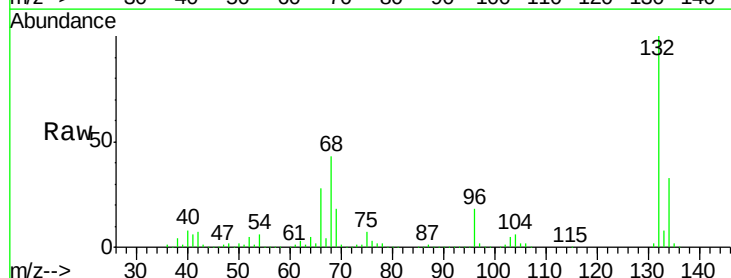
Tgt Ion: 77 Resp: 16352

Ion Ratio Lower Upper

77 100

105 80.3 71.8 111.8

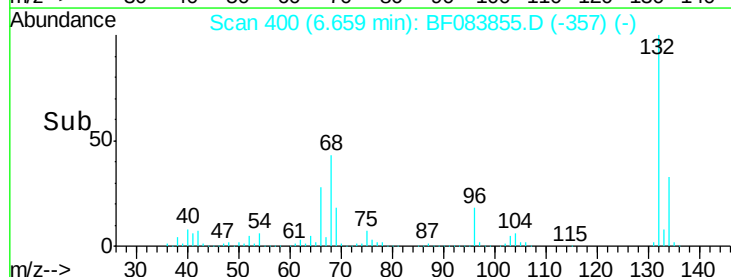
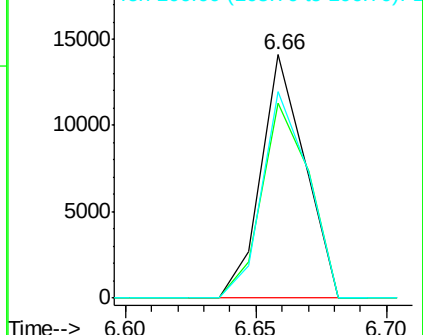
106 85.0 66.8 106.8

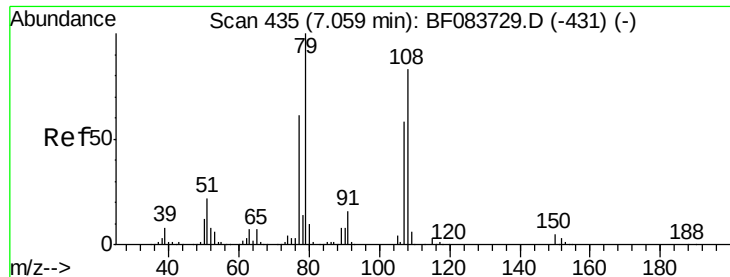


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

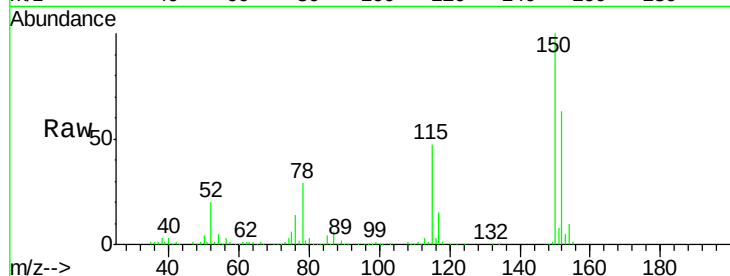
Tgt Ion: 79 Resp: 10649

Ion Ratio Lower Upper

79 100

108 31.3 59.6 89.4#

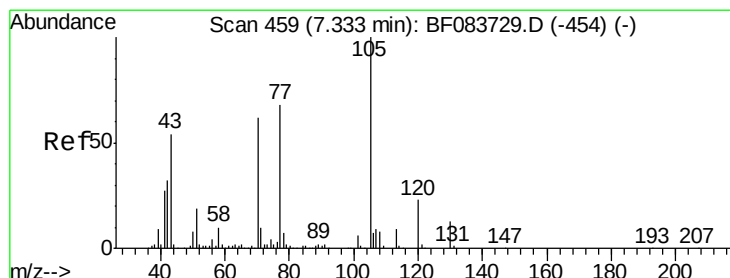
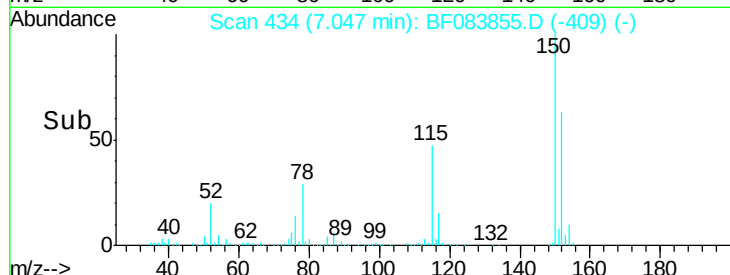
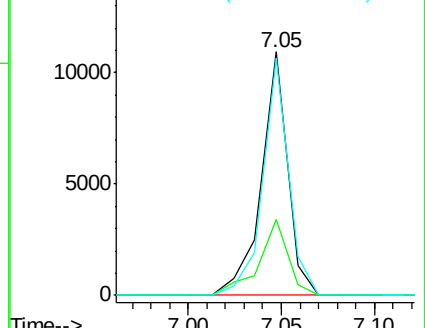
77 97.3 49.8 74.6#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.86 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.11 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Tgt Ion: 70 Resp: 82948

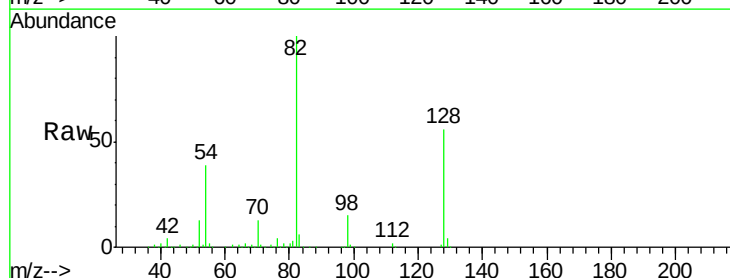
Ion Ratio Lower Upper

70 100

42 33.9 49.2 73.8#

101 0.0 7.1 10.7#

130 2.8 15.4 23.0#

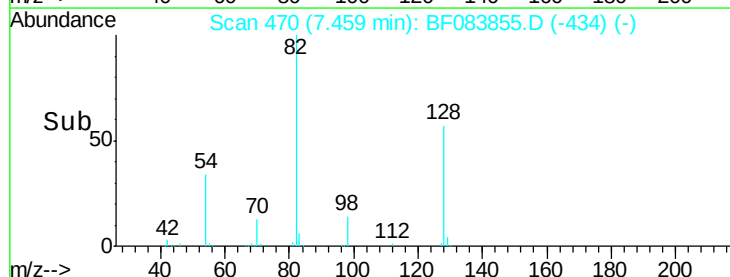
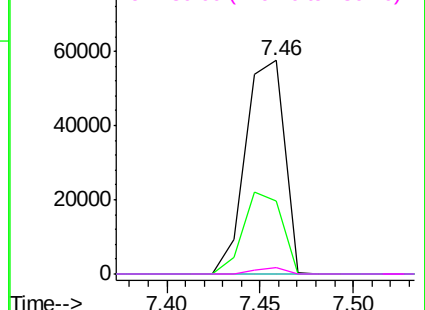


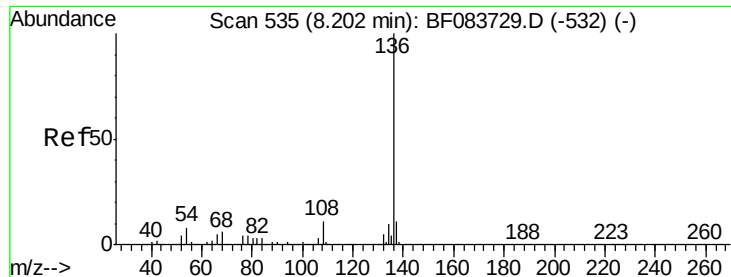
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

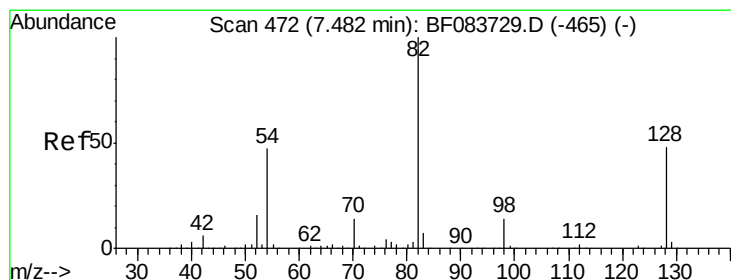
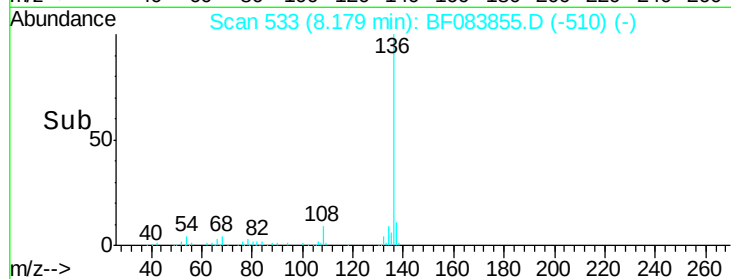
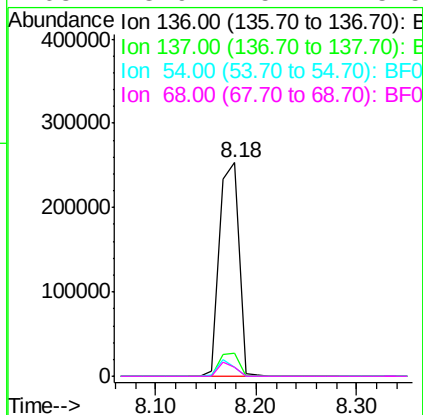
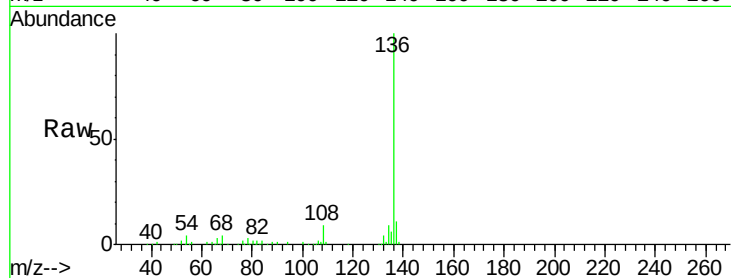




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083855.D
Acq: 16 Dec 2015 18:29

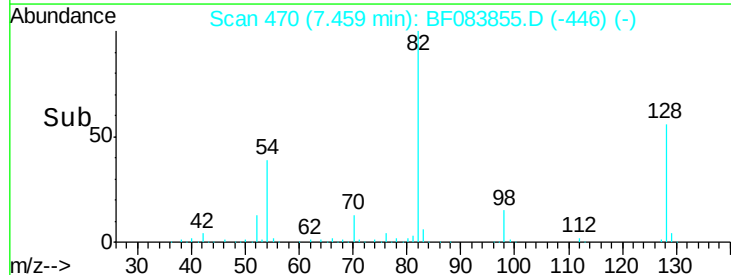
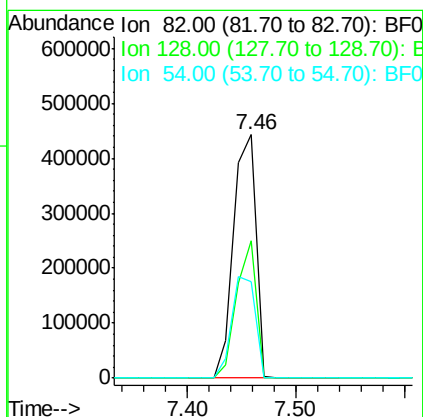
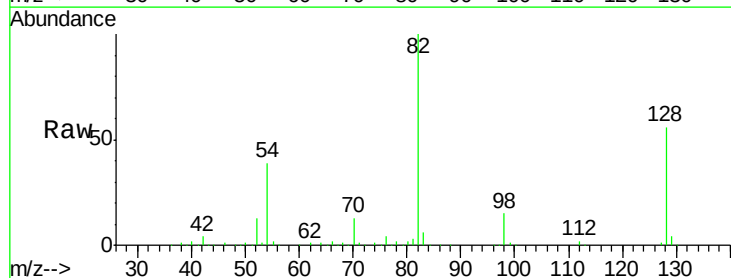
Instrument :
BNA_F
ClientSampleId :
NC-MILLSTONE

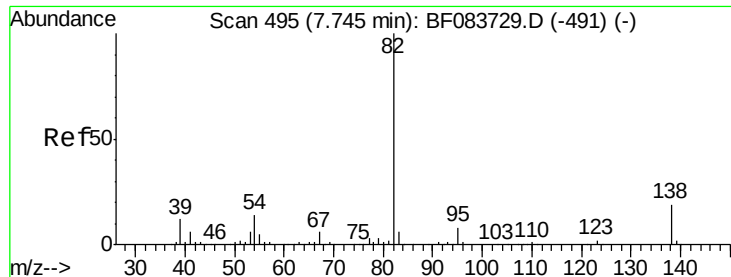
Tgt Ion:	136	Resp:	343544
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	4.4	7.8	11.6#
68	3.9	5.7	8.5#



#23
Nitrobenzene-d5
Concen: 101.50 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.02 min
Lab File: BF083855.D
Acq: 16 Dec 2015 18:29

Tgt Ion:	82	Resp:	623285
Ion	Ratio	Lower	Upper
82	100		
128	56.5	30.7	46.1#
54	39.4	42.5	63.7#





#25

Isophorone

Concen: 47.82 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.29 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

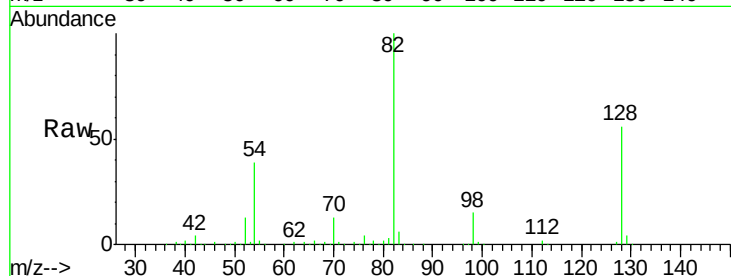
Tgt Ion: 82 Resp: 576105

Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

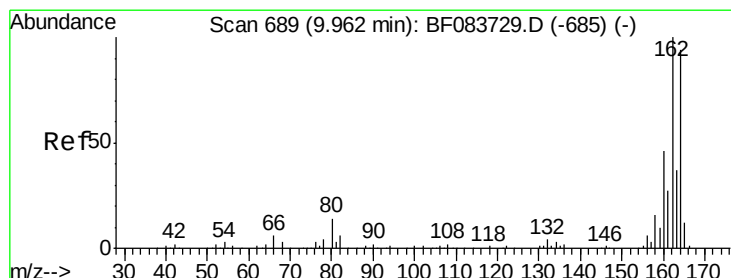
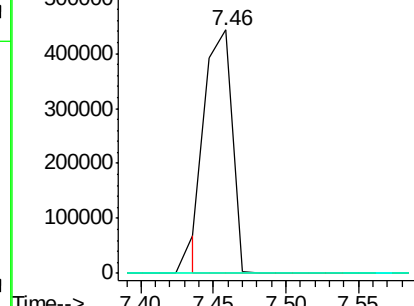
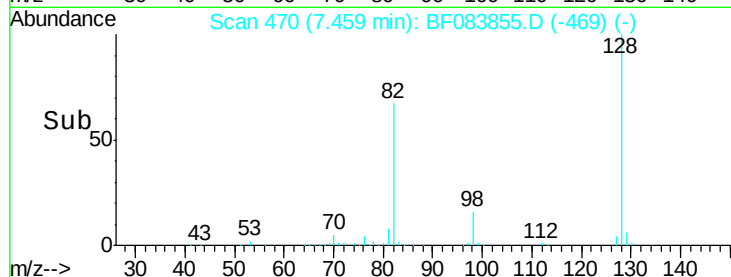
138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.03 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

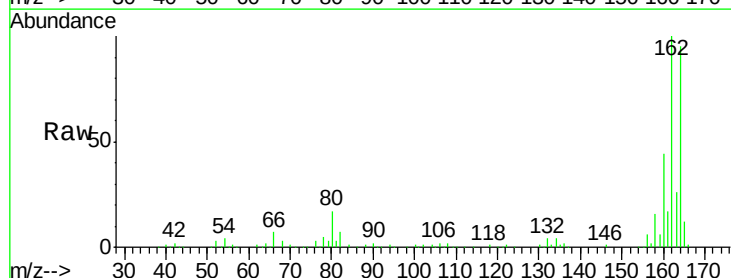
Tgt Ion: 164 Resp: 180658

Ion Ratio Lower Upper

164 100

162 105.4 78.8 118.2

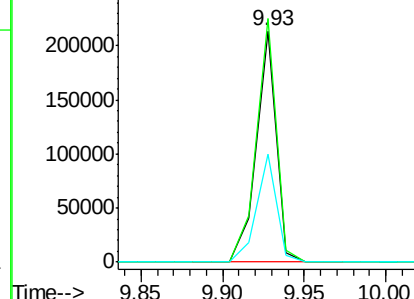
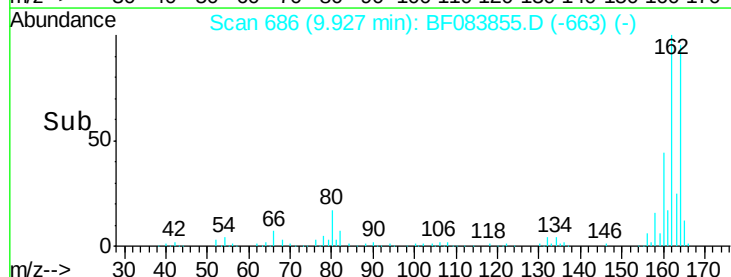
160 46.9 33.4 50.2

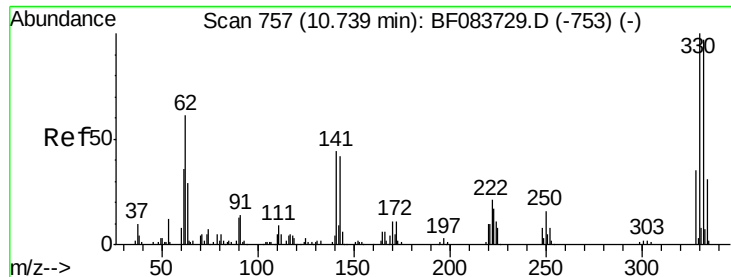


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

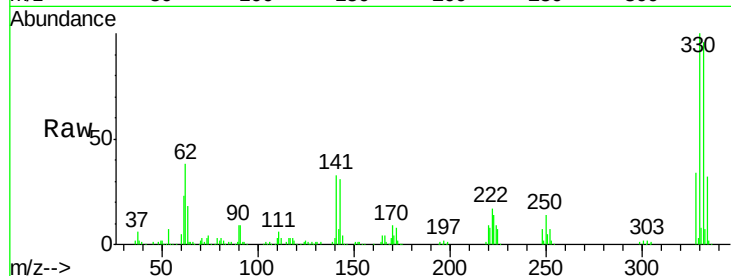




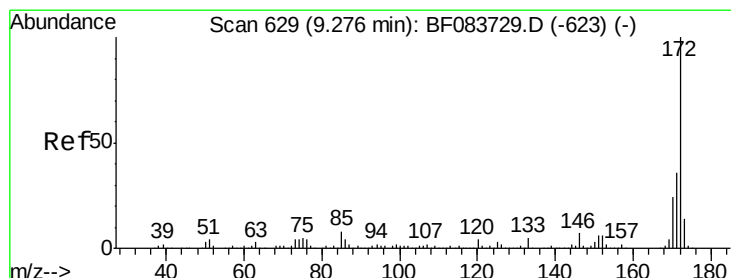
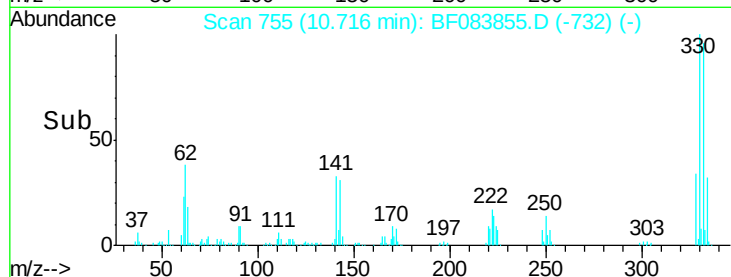
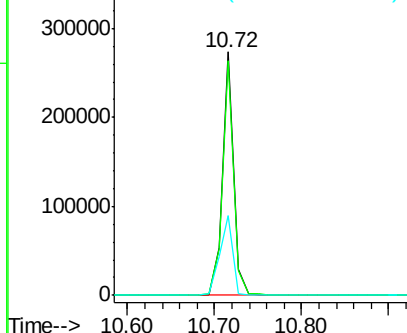
#41
 2,4,6-Tribromophenol
 Concen: 135.85 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.03 min
 Lab File: BF083855.D
 Acq: 16 Dec 2015 18:29

Instrument :
 BNA_F
 ClientSampleId :
 NC-MILLSTONE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	38.2	0.0	0.0#

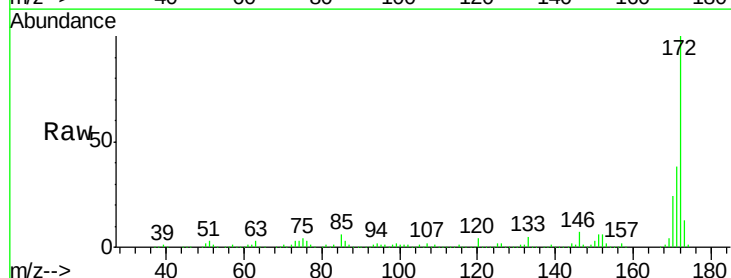


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

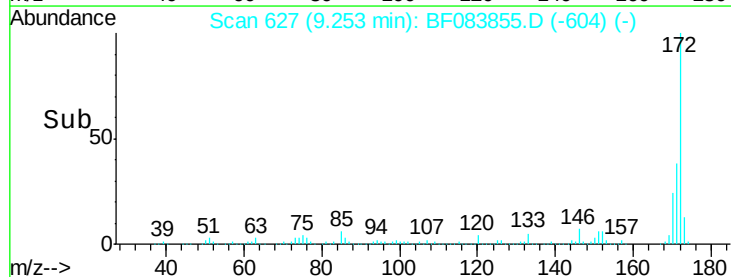
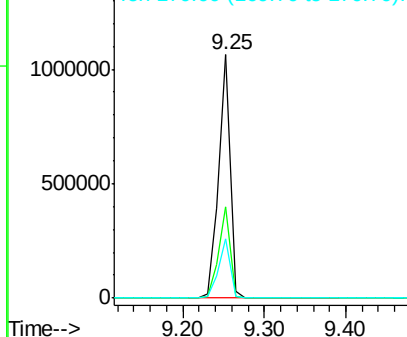


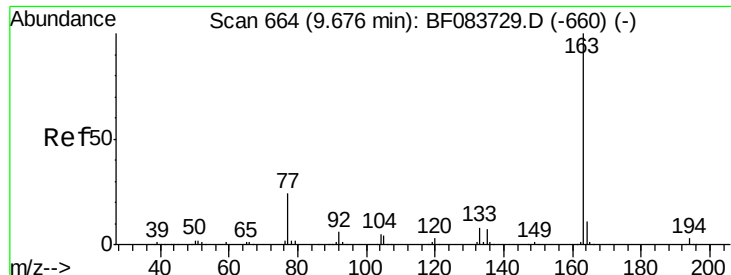
#44
 2-Fluorobiphenyl
 Concen: 84.19 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.03 min
 Lab File: BF083855.D
 Acq: 16 Dec 2015 18:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	24.5	19.4	29.0



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





#49

Dimethylphthalate

Concen: 20.19 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.05 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

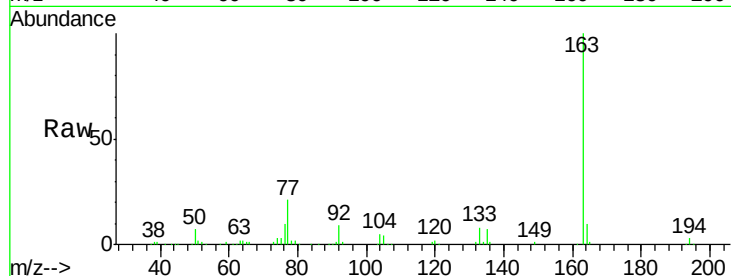
Tgt Ion:163 Resp: 284406

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

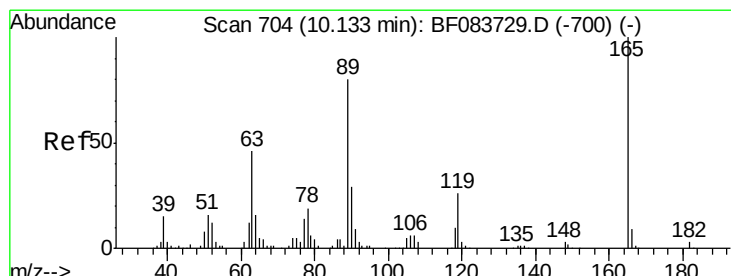
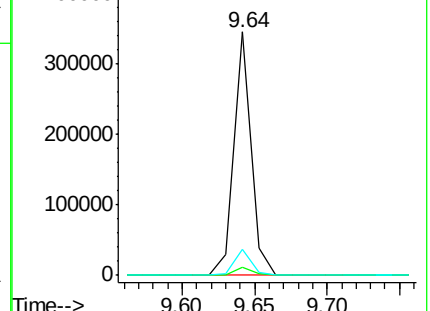
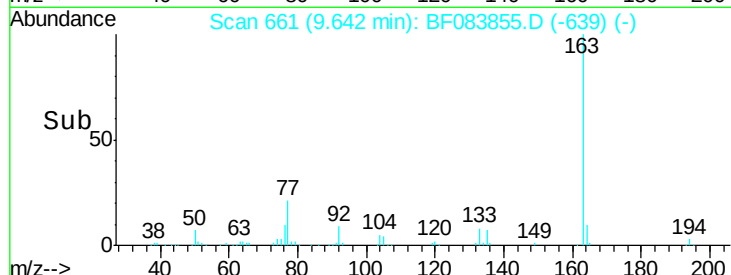
164 10.5 8.6 13.0



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



#56

2,4-Dinitrotoluene

Concen: 5.80 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.22 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Tgt Ion:165 Resp: 22650

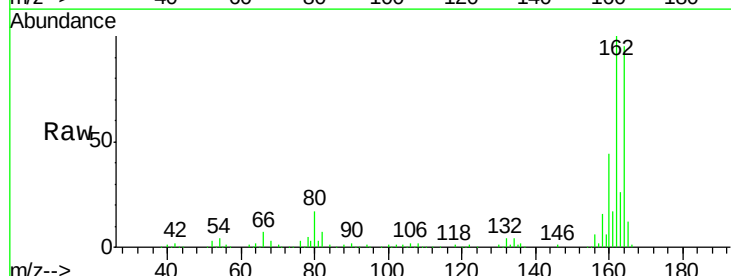
Ion Ratio Lower Upper

165 100

63 1.4 51.4 77.2#

89 0.0 72.6 108.8#

182 0.0 1.4 2.0#

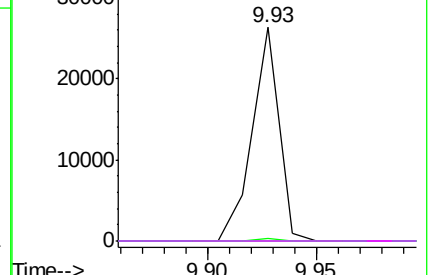
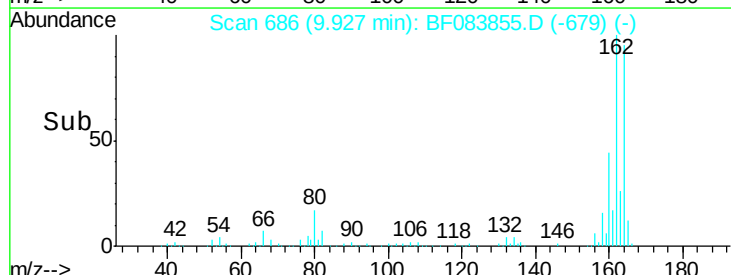


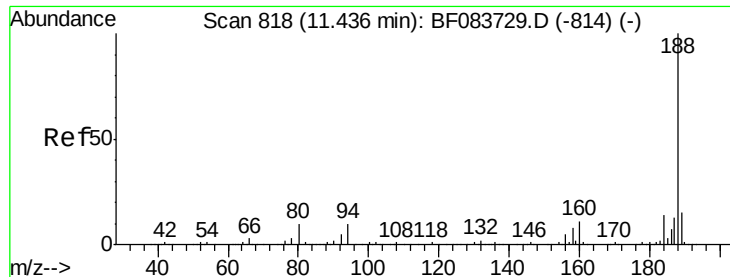
Abundance Ion 165.00 (164.70 to 165.70): E

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

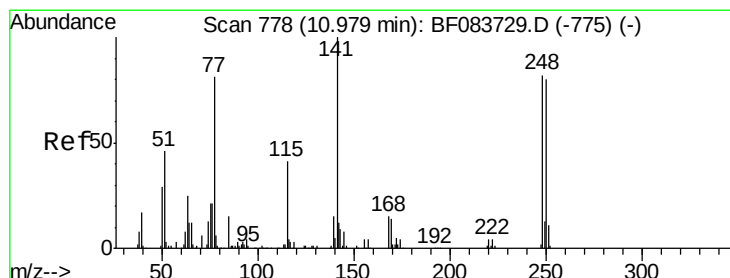
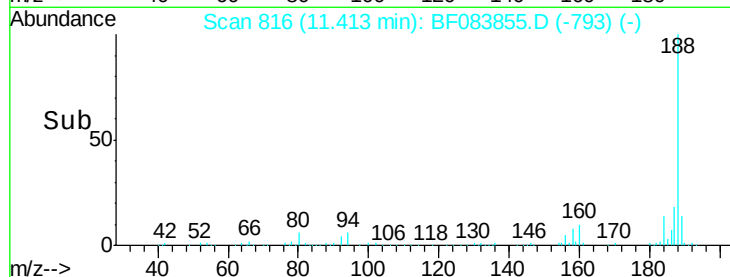
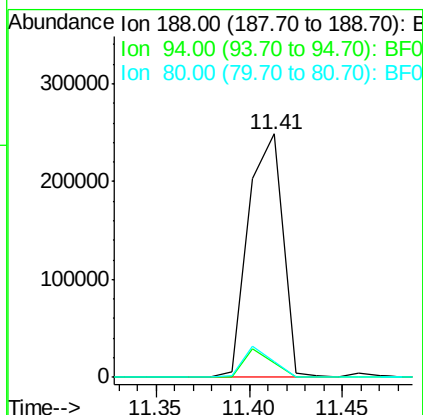
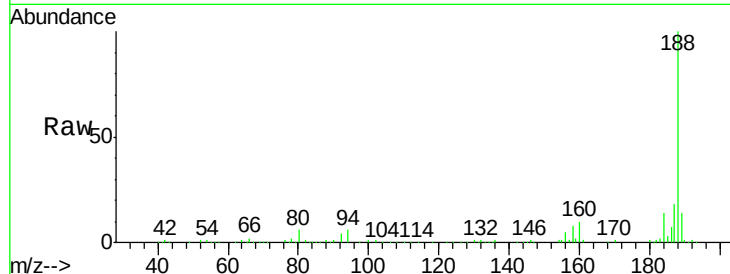




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF083855.D
 Acq: 16 Dec 2015 18:29

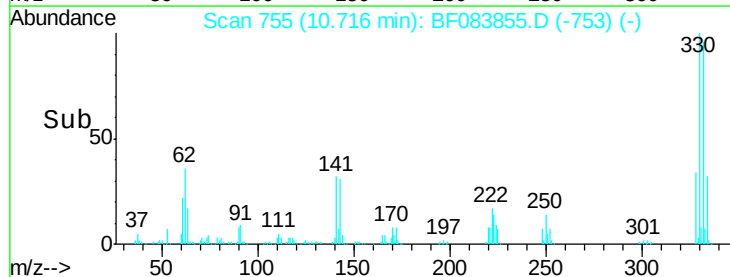
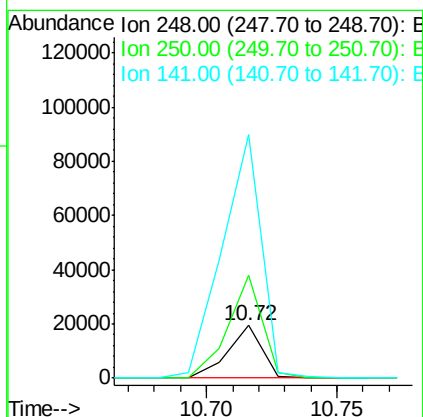
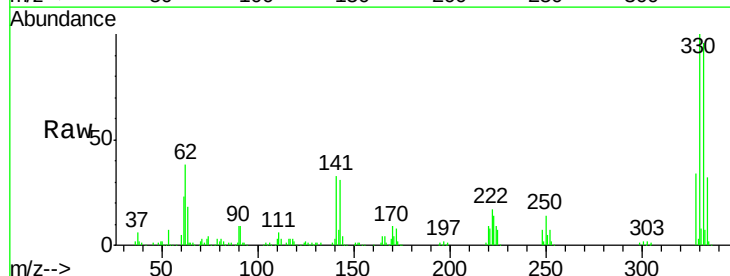
Instrument :
 BNA_F
 ClientSampleId :
 NC-MILLSTONE

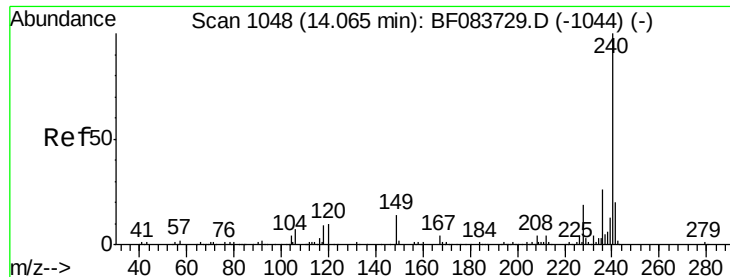
Tgt Ion:188 Resp: 317778
 Ion Ratio Lower Upper
 188 100
 94 6.1 9.4 14.2#
 80 6.3 10.6 16.0#



#66
 4-Bromophenyl-phenylether
 Concen: 5.04 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.27 min
 Lab File: BF083855.D
 Acq: 16 Dec 2015 18:29

Tgt Ion:248 Resp: 17903
 Ion Ratio Lower Upper
 248 100
 250 196.4 79.2 118.8#
 141 462.4 58.2 87.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.03 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

Instrument :

BNA_F

ClientSampleId :

NC-MILLSTONE

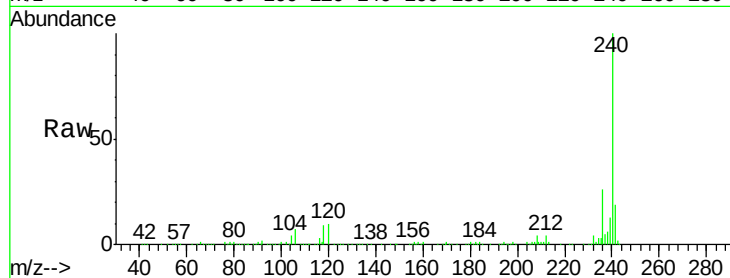
Tgt Ion:240 Resp: 272558

Ion Ratio Lower Upper

240 100

120 9.7 8.1 12.1

236 25.6 20.8 31.2

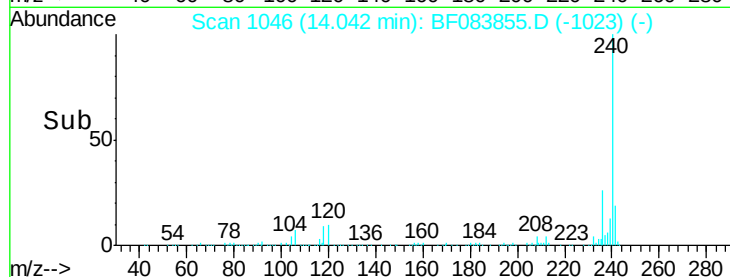


Abundance Ion 240.00 (239.70 to 240.70): E

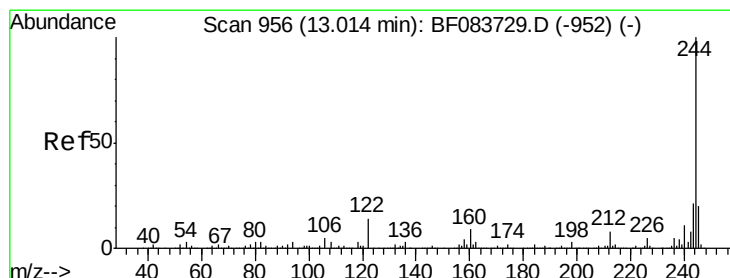
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.04



Time-->



#78

Terphenyl-d14

Concen: 72.17 ng

RT: 12.99 min Scan# 954

Delta R.T. -0.03 min

Lab File: BF083855.D

Acq: 16 Dec 2015 18:29

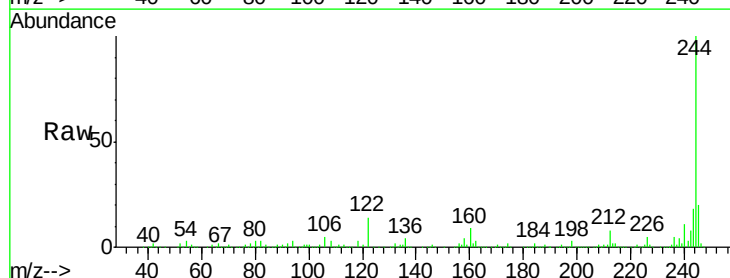
Tgt Ion:244 Resp: 914400

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

122 13.7 11.0 16.6

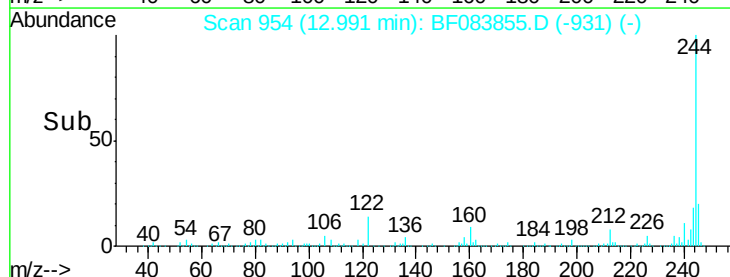


Abundance Ion 244.00 (243.70 to 244.70): E

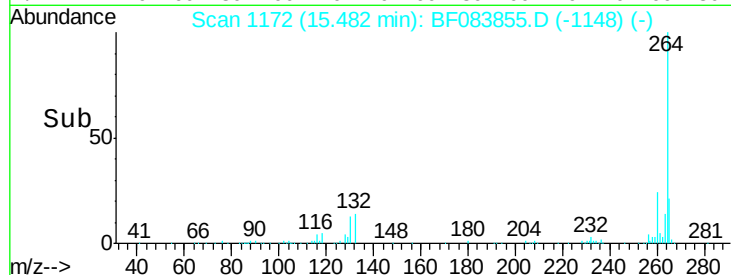
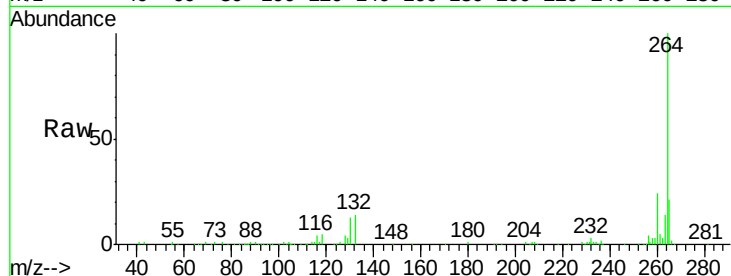
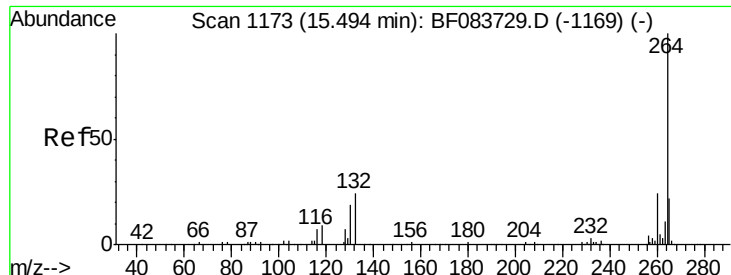
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.99



Time-->



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083855.D
Acq: 16 Dec 2015 18:29

Instrument :
BNA_F
ClientSampleId :
NC-MILLSTONE

Tgt Ion:	264	Resp:	191468
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.0
265	20.7	17.8	26.6

