

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083895.D
 Acq On : 18 Dec 2015 4:20
 Operator : UM/SJ
 Sample : G4680-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K200-(5-10)

Quant Time: Dec 18 05:50:09 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 01:01:02 2015
 Response via : Initial Calibration

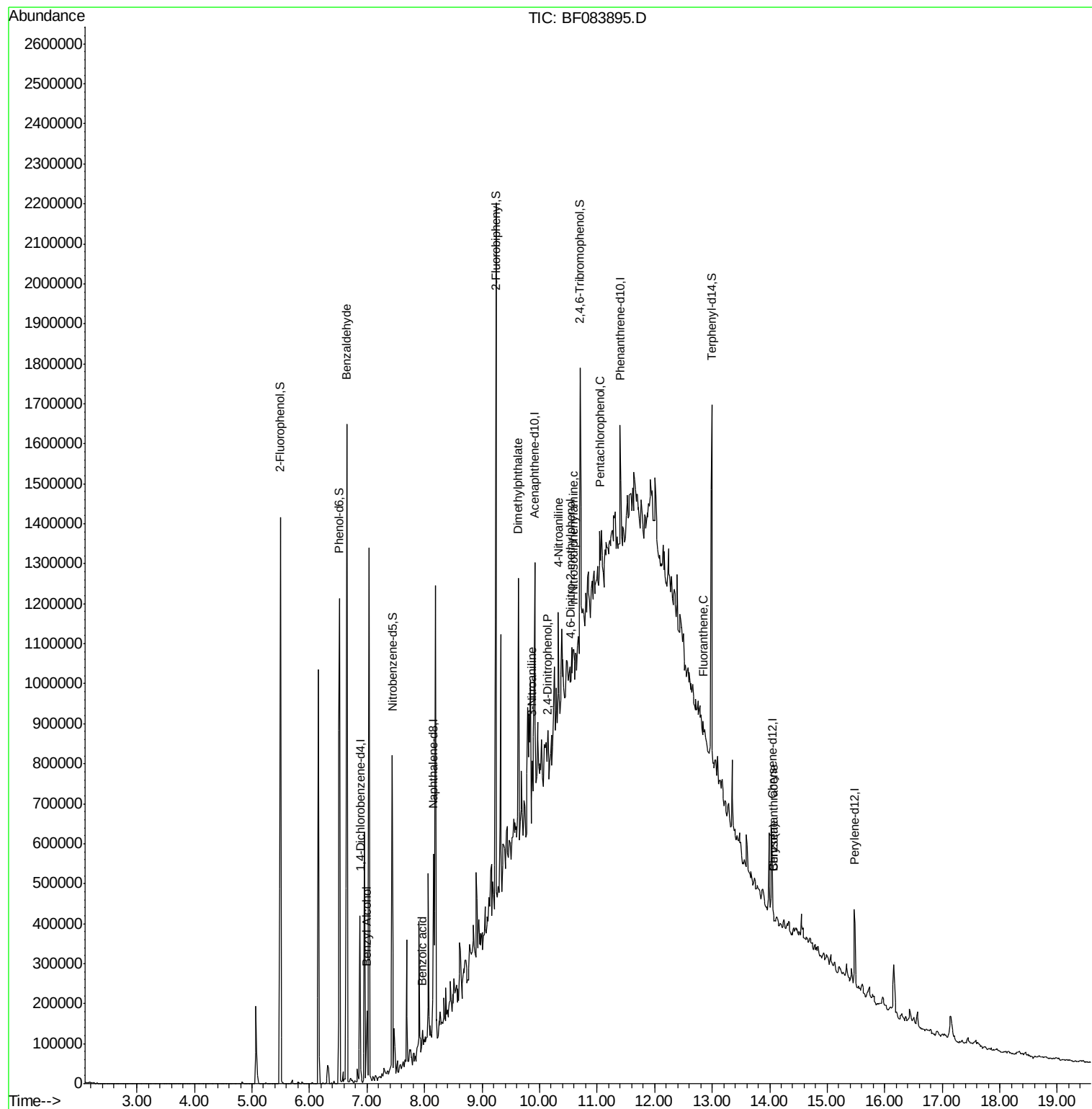
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	60232	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	274529	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	93419	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	134560	20.00	ng	0.01
75) Chrysene-d12	14.04	240	101420	20.00	ng	0.01
86) Perylene-d12	15.47	264	100885	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	405935	105.47	ng	0.01
7) Phenol-d6	6.52	99	572055	121.43	ng	0.01
23) Nitrobenzene-d5	7.44	82	306683	63.76	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	114211	110.98	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	585982	88.69	ng	0.00
78) Terphenyl-d14	12.99	244	385967	89.29	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	11144	3.93	ng	90
15) Benzyl Alcohol	7.00	79	18207	5.11	ng	# 53
31) Naphthalene	8.18	128	3142	Below	Cal	# 93
32) Benzoic acid	7.96	122	2445	3.51	ng	# 9
36) 4-Chloro-3-methylphenol	8.69	107	5957	Below	Cal	# 20
45) 1,1'-Biphenyl	9.33	154	3416	Below	Cal	# 57
46) 2-Chloronaphthalene	9.29	162	1198	Below	Cal	# 1
49) Dimethylphthalate	9.63	163	148793	18.98	ng	# 96
52) 3-Nitroaniline	9.87	138	9309	5.16	ng	# 10
53) 2,4-Dinitrophenol	10.13	184	348	10.79	ng	# 1
57) Fluorene	10.46	166	1697	Below	Cal	# 1
61) 4-Nitroaniline	10.33	138	4164	2.23	ng	88
64) 4,6-Dinitro-2-methylphenol	10.53	198	542	4.53	ng	# 1
65) n-Nitrosodiphenylamine	10.58	169	26045	5.32	ng	# 46
69) Pentachlorophenol	11.05	266	704	5.62	ng	# 51
74) Fluoranthene	12.84	202	16501	2.03	ng	77
77) Pyrene	12.84	202	16922	Below	Cal	# 83
80) Benzo(a)anthracene	14.07	228	13175	2.11	ng	# 54
82) Chrysene	14.07	228	13175	2.19	ng	# 60

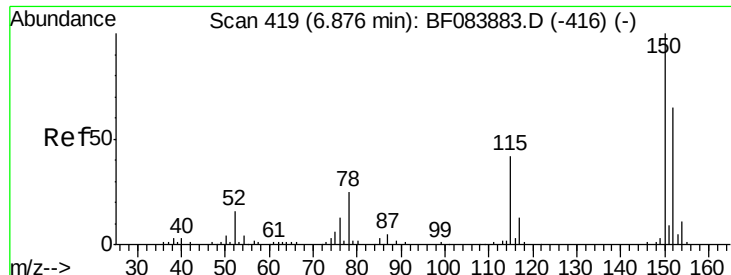
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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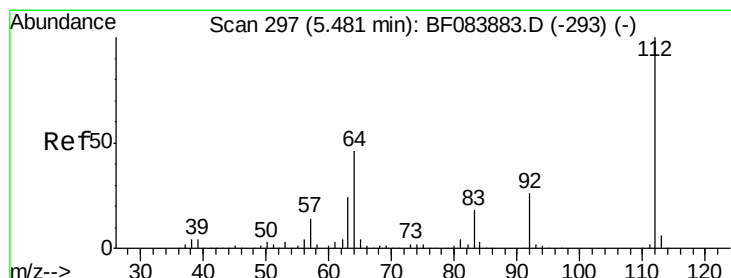
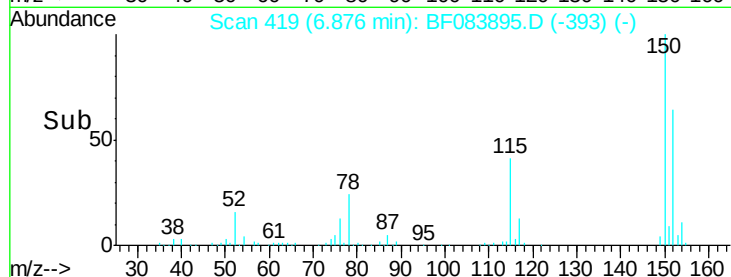
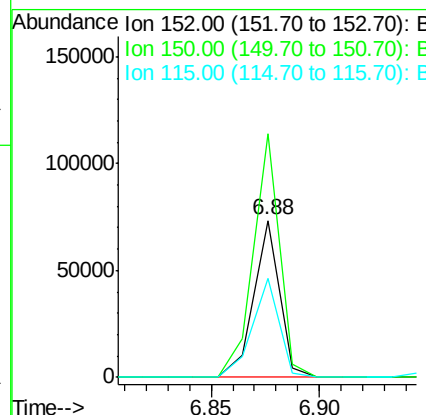
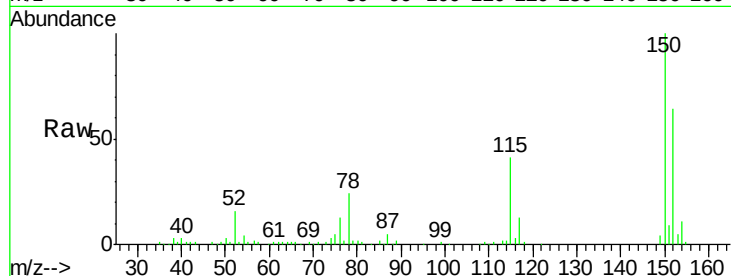




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

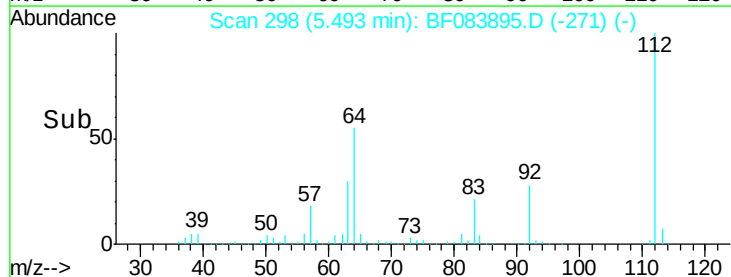
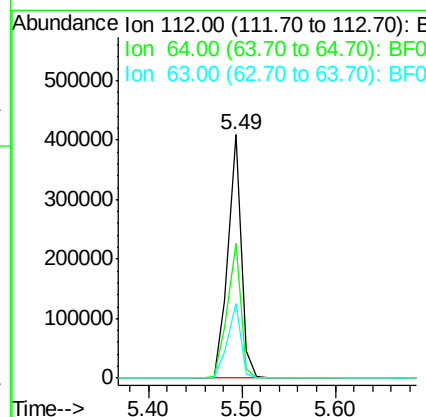
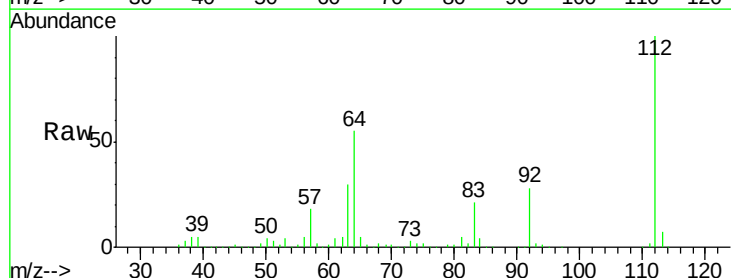
Instrument :
 BNA_F
 ClientSampleId :
 K200-(5-10)

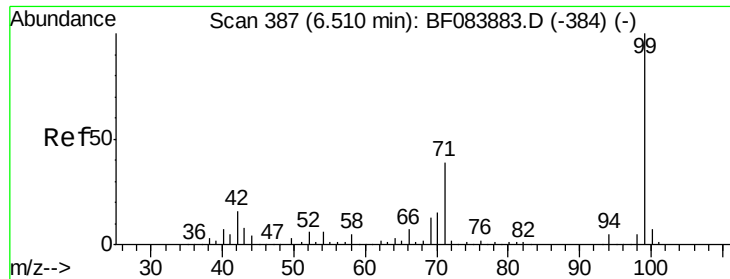
Tgt Ion:152 Resp: 60232
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.0 184.4
 115 63.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 105.47 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

Tgt Ion:112 Resp: 405935
 Ion Ratio Lower Upper
 112 100
 64 55.3 36.6 55.0#
 63 30.5 19.4 29.0#





#7

Phenol-d6

Concen: 121.43 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

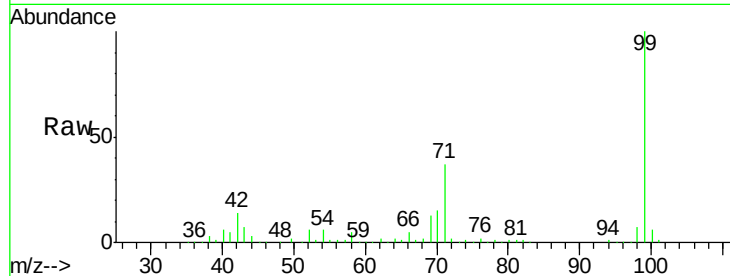
Tgt Ion: 99 Resp: 572055

Ion Ratio Lower Upper

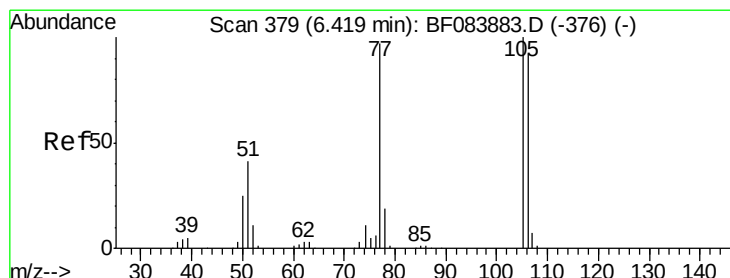
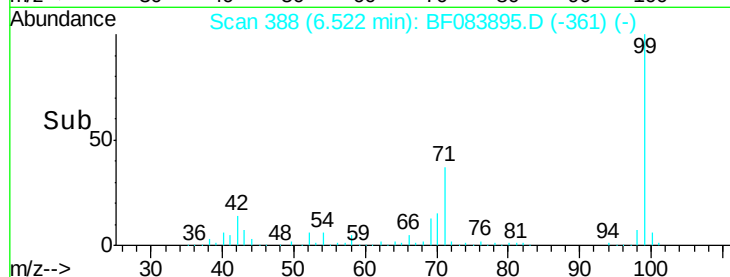
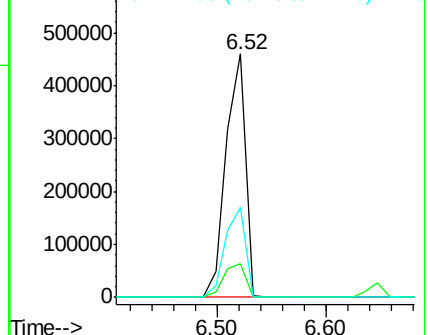
99 100

42 14.0 12.8 19.2

71 37.1 30.9 46.3



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: 3.93 ng

RT: 6.65 min Scan# 399

Delta R.T. 0.23 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

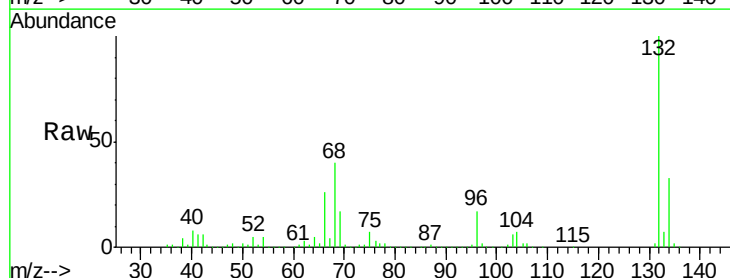
Tgt Ion: 77 Resp: 11144

Ion Ratio Lower Upper

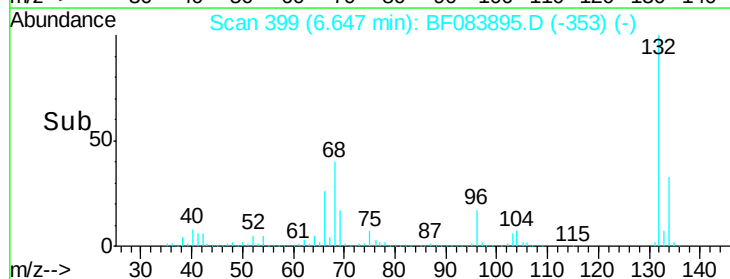
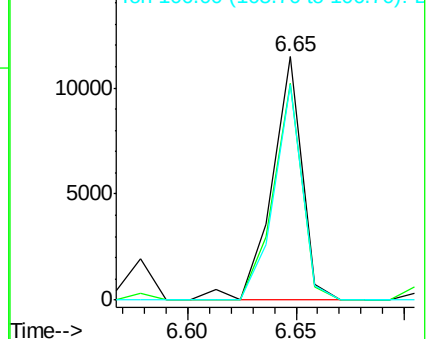
77 100

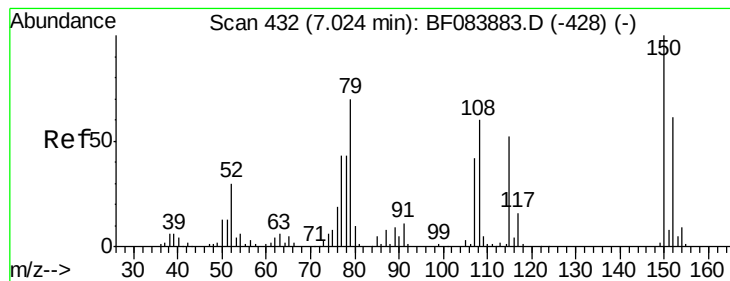
105 88.9 83.0 123.0

106 88.5 74.6 114.6



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: 5.11 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampled :

K200-(5-10)

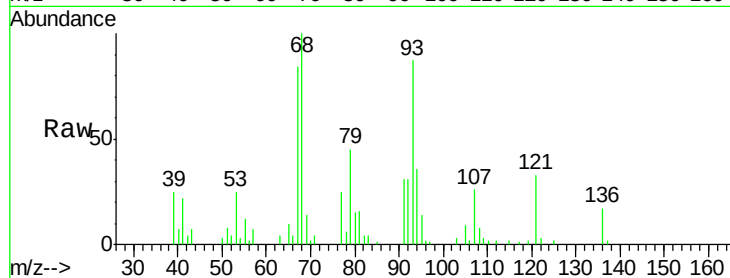
Tgt Ion: 79 Resp: 18207

Ion Ratio Lower Upper

79 100

108 17.9 69.0 103.4#

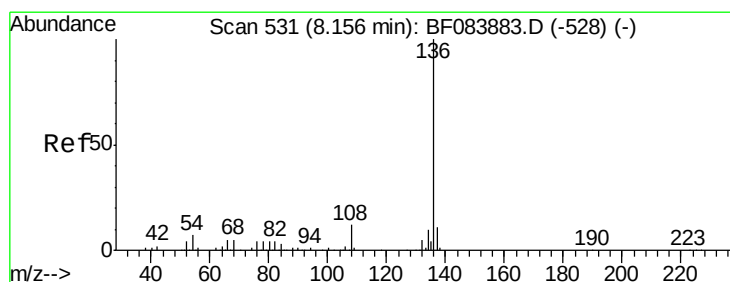
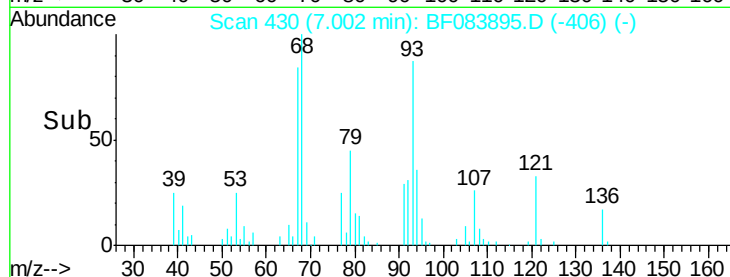
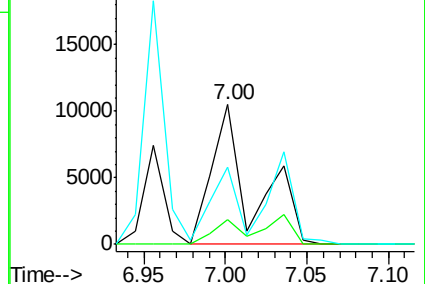
77 55.2 50.0 75.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.00 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Tgt Ion: 136 Resp: 274529

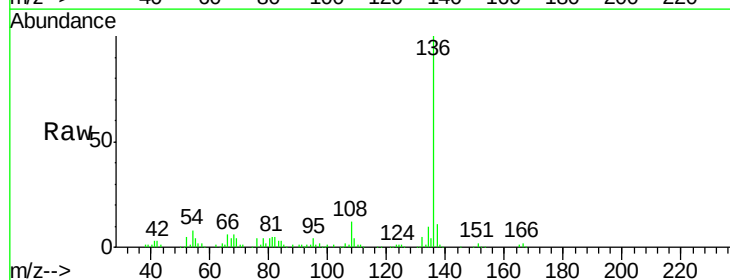
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 8.0 5.8 8.8

68 5.9 4.2 6.2

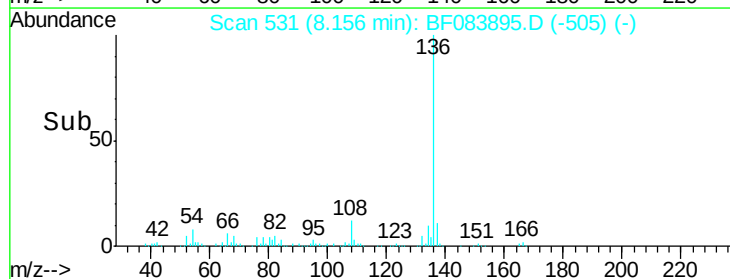
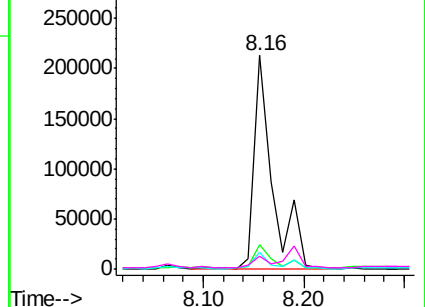


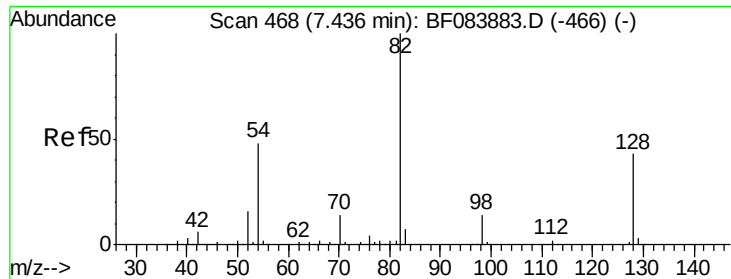
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

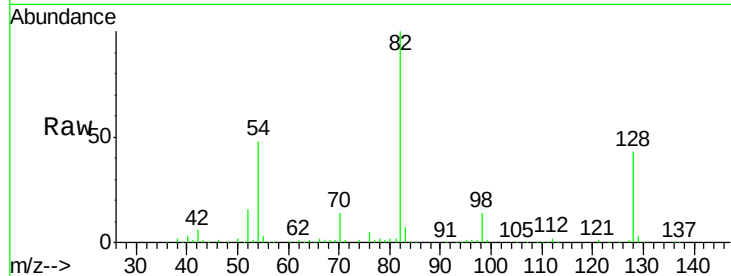




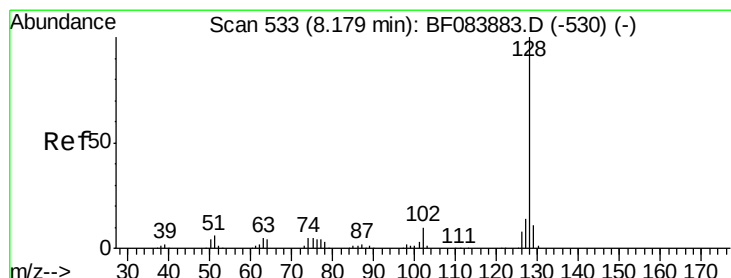
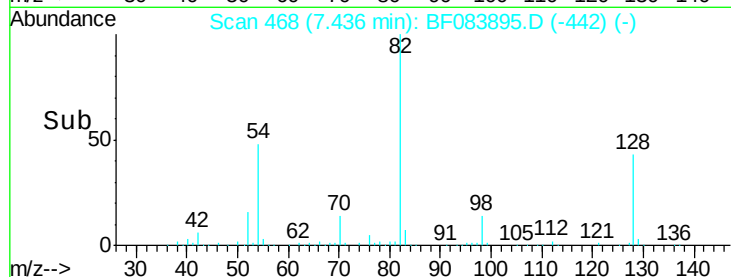
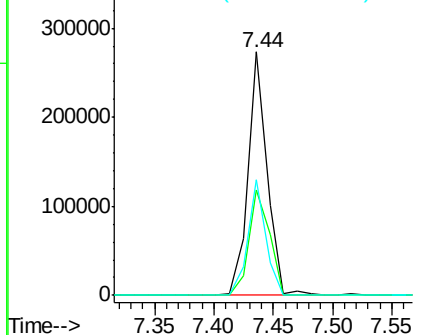
#23
 Nitrobenzene-d5
 Concen: 63.76 ng
 RT: 7.44 min Scan# 468
 Delta R.T. 0.00 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

Instrument :
 BNA_F
 ClientSampleId :
 K200-(5-10)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	51.8
54	47.7	38.4	57.6

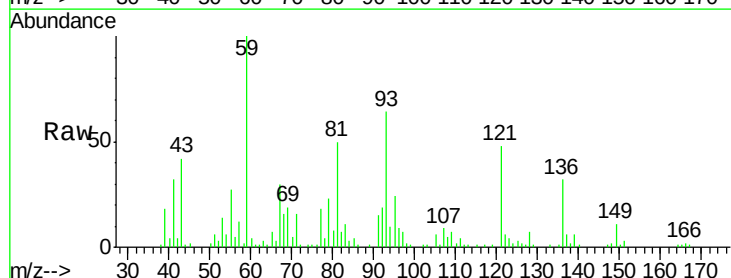


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

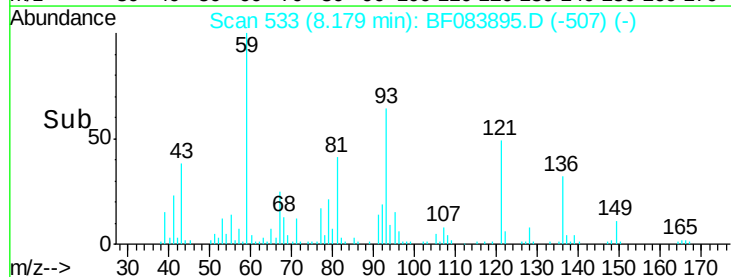
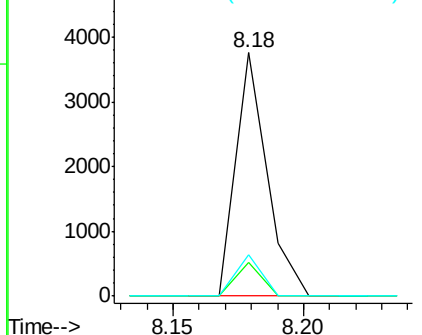


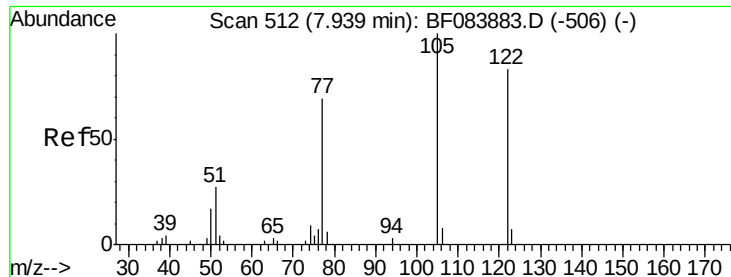
#31
 Naphthalene
 Concen: Below Cal
 RT: 8.18 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.1	13.7#
127	16.7	11.1	16.7#



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

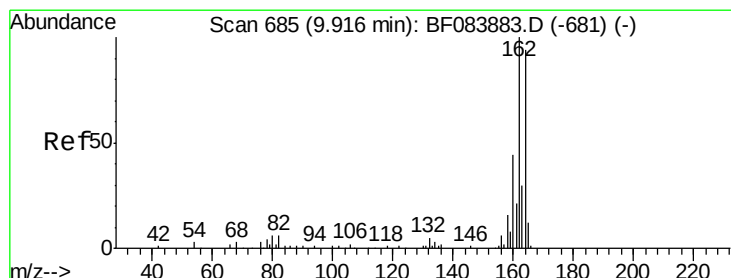
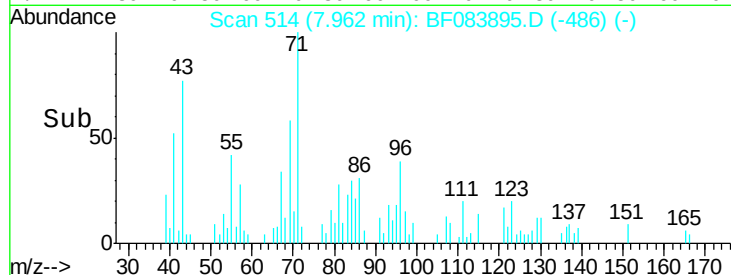
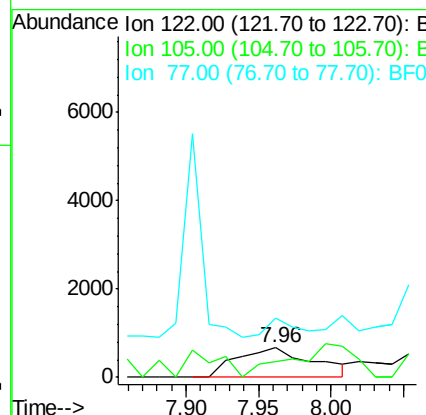
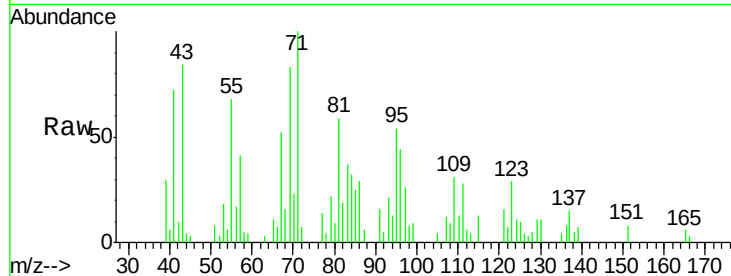




#32
Benzoic acid
Concen: 3.51 ng
RT: 7.96 min Scan# 514
Delta R.T. 0.02 min
Lab File: BF083895.D
Acq: 18 Dec 2015 4:20

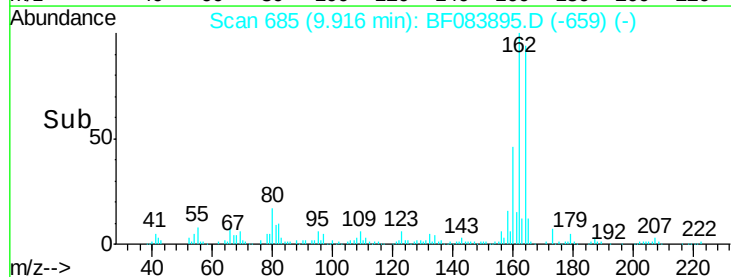
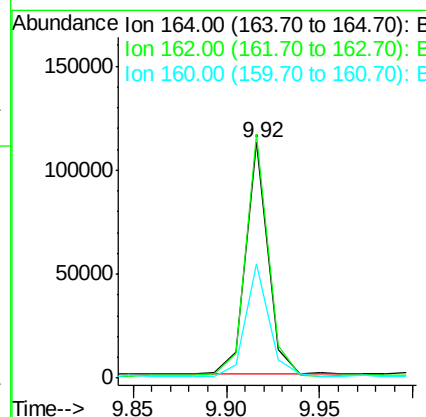
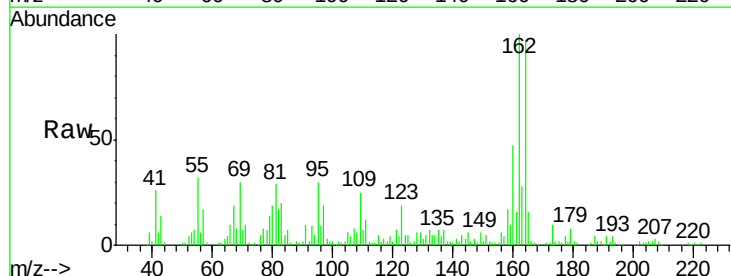
Instrument :
BNA_F
ClientSampleId :
K200-(5-10)

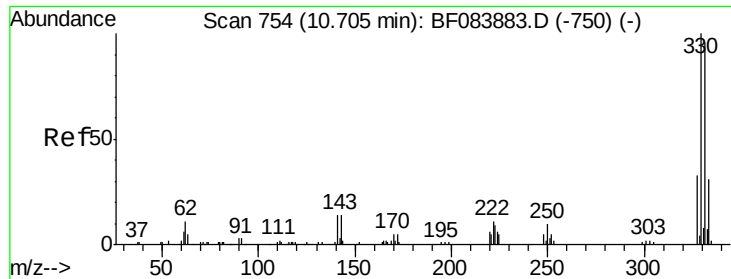
Tgt Ion:122 Resp: 2445
Ion Ratio Lower Upper
122 100
105 51.7 100.3 140.3#
77 203.6 63.5 103.5#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.00 min
Lab File: BF083895.D
Acq: 18 Dec 2015 4:20

Tgt Ion:164 Resp: 93419
Ion Ratio Lower Upper
164 100
162 103.3 85.1 127.7
160 48.2 37.5 56.3

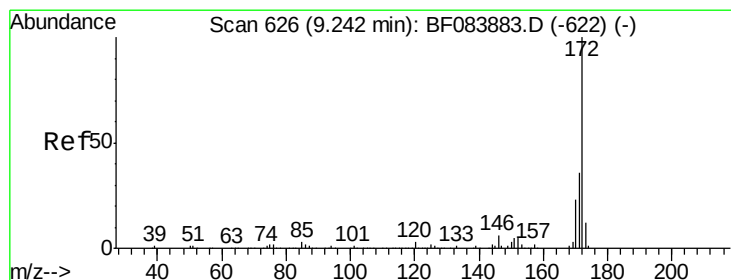
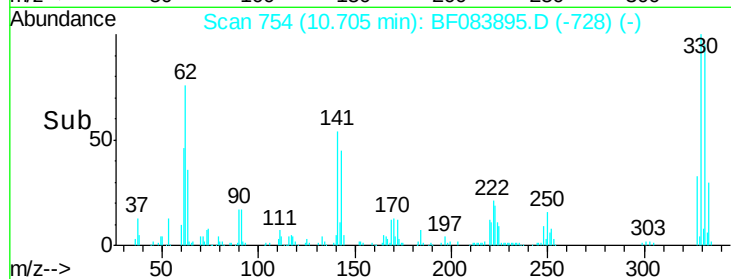
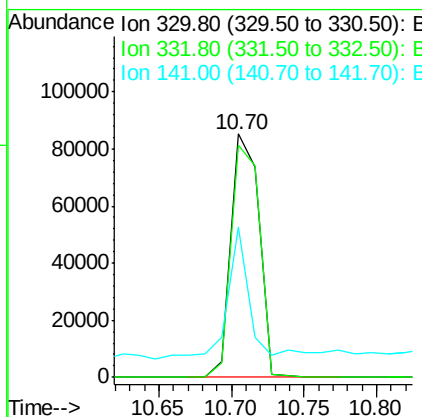
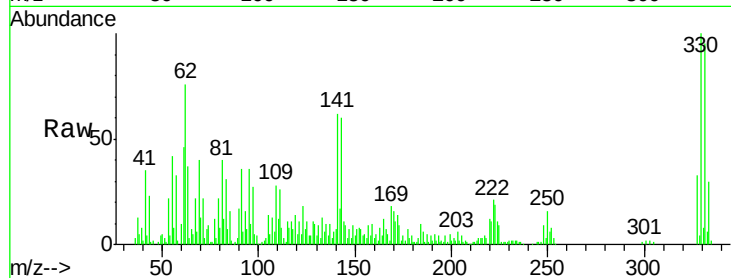




#41
 2,4,6-Tribromophenol
 Concen: 110.98 ng
 RT: 10.70 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

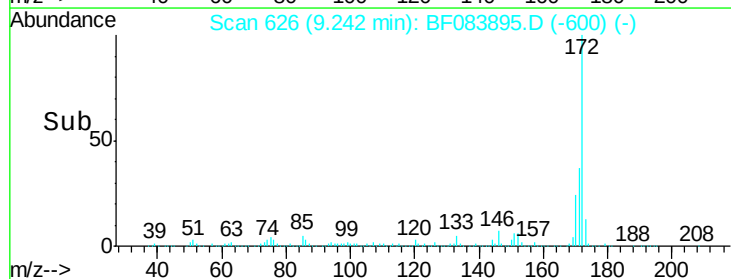
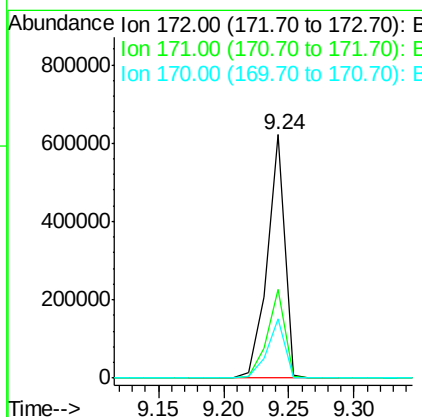
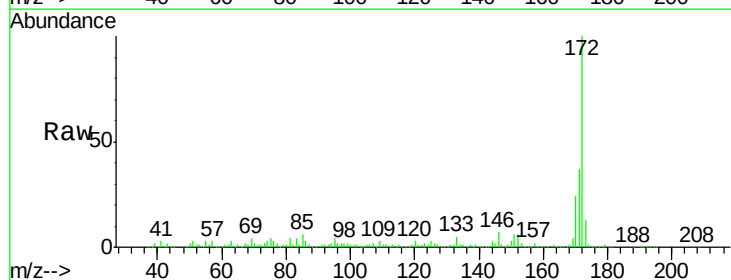
Instrument :
 BNA_F
 ClientSampleId :
 K200-(5-10)

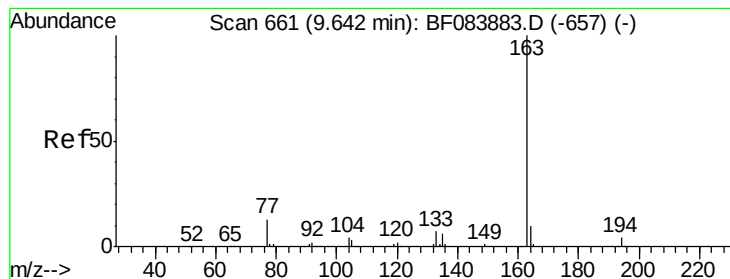
Tgt Ion:330 Resp: 114211
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 114.8
 141 42.4 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: 88.69 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

Tgt Ion:172 Resp: 585982
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 24.1 18.6 27.8





#49

Dimethylphthalate

Concen: 18.98 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

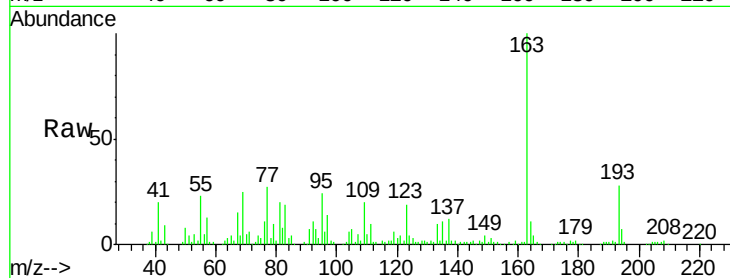
Tgt Ion:163 Resp: 148793

Ion Ratio Lower Upper

163 100

194 7.1 3.0 4.6#

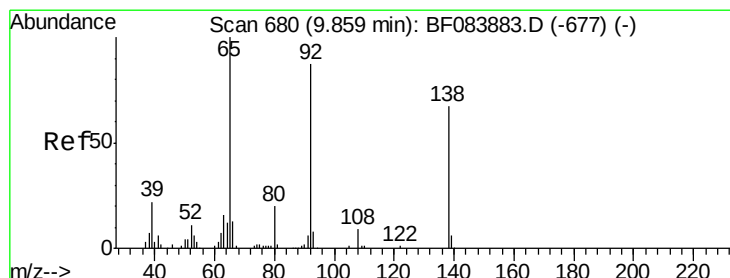
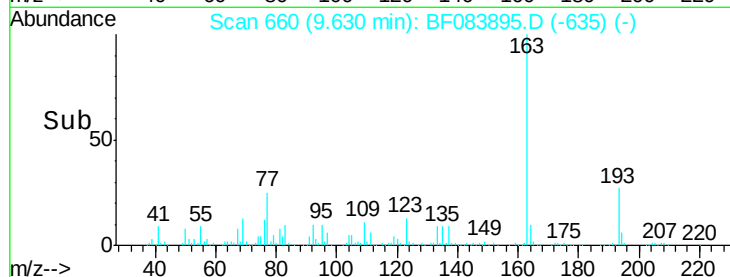
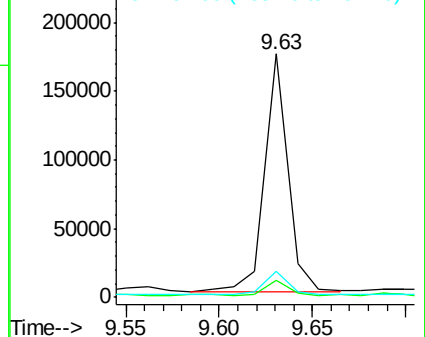
164 10.8 7.9 11.9



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



#52

3-Nitroaniline

Concen: 5.16 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

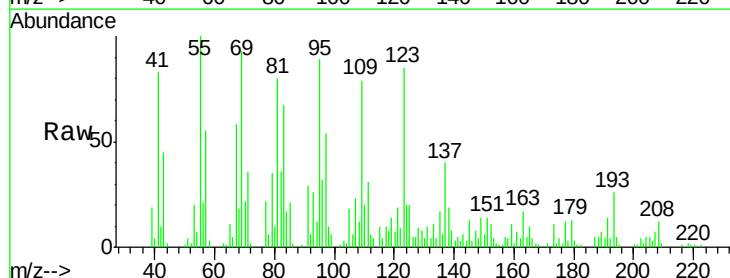
Tgt Ion:138 Resp: 9309

Ion Ratio Lower Upper

138 100

108 64.4 10.5 15.7#

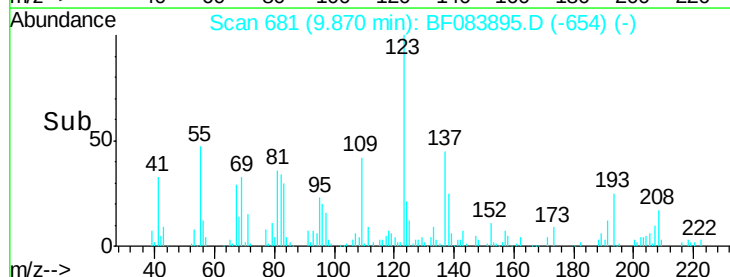
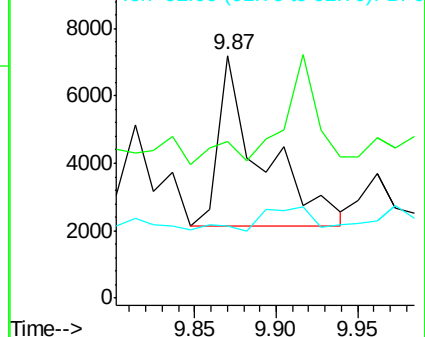
92 29.8 103.9 155.9#

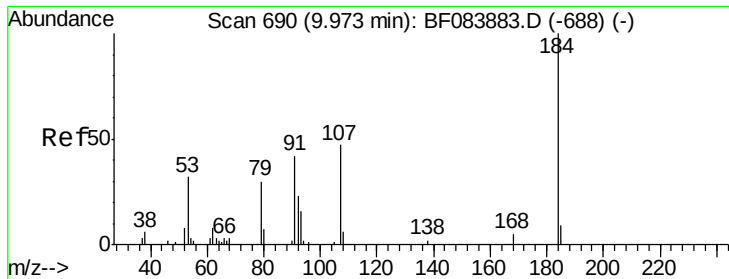


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 10.79 ng

RT: 10.13 min Scan# 704

Delta R.T. 0.16 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

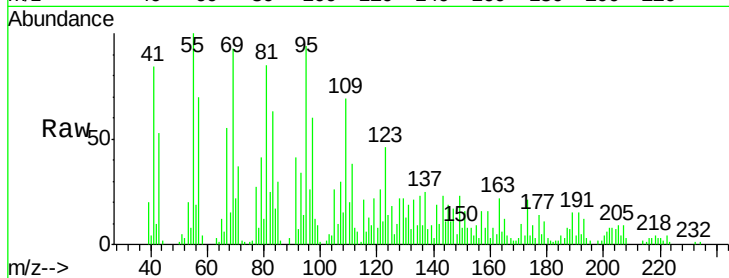
Tgt Ion:184 Resp: 348

Ion Ratio Lower Upper

184 100

63 207.7 43.1 64.7#

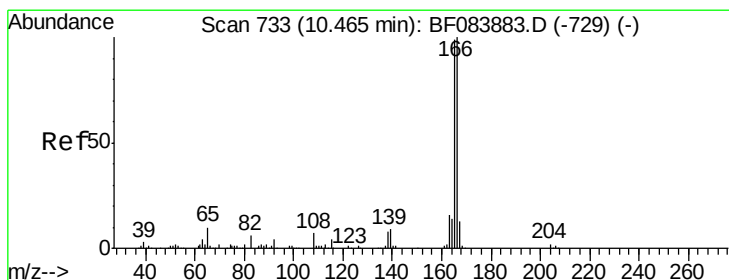
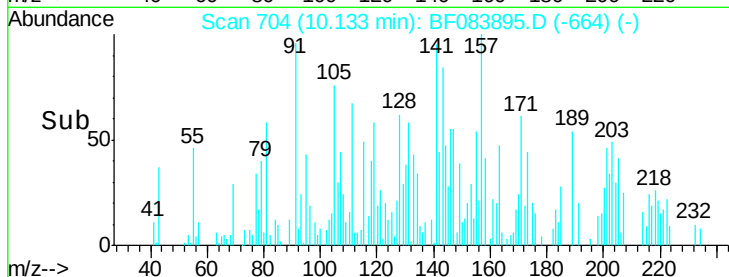
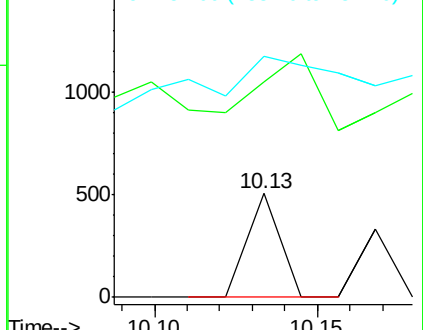
154 232.1 60.5 90.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.46 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

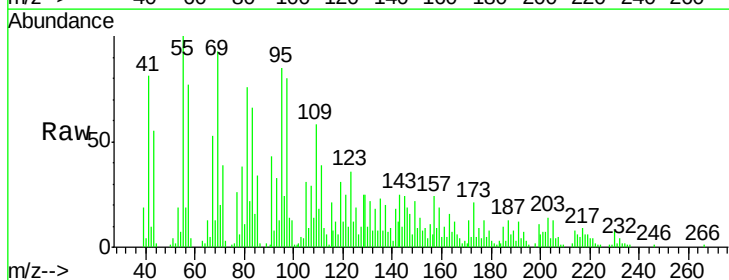
Tgt Ion:166 Resp: 1697

Ion Ratio Lower Upper

166 100

165 214.2 79.1 118.7#

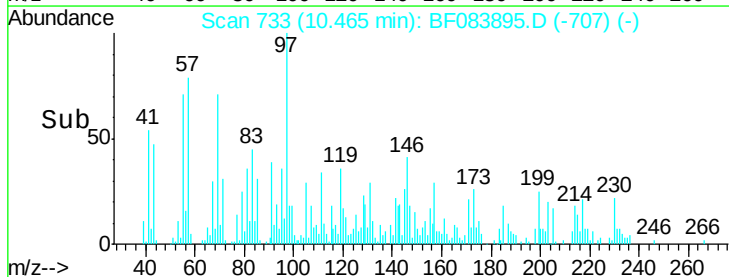
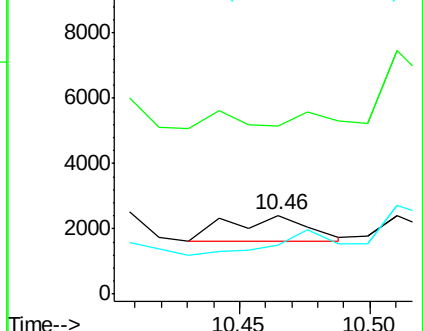
167 62.1 10.4 15.6#

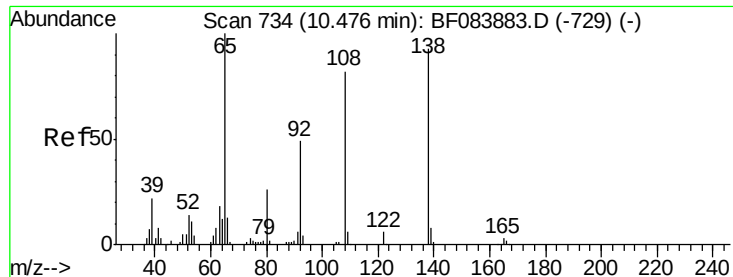


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 2.23 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.15 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampled :

K200-(5-10)

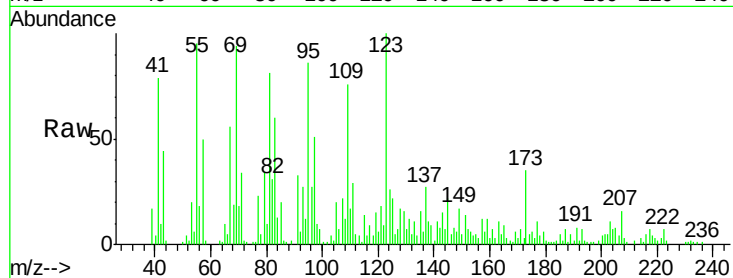
Tgt Ion:138 Resp: 4164

Ion Ratio Lower Upper

138 100

92 57.3 32.6 72.6

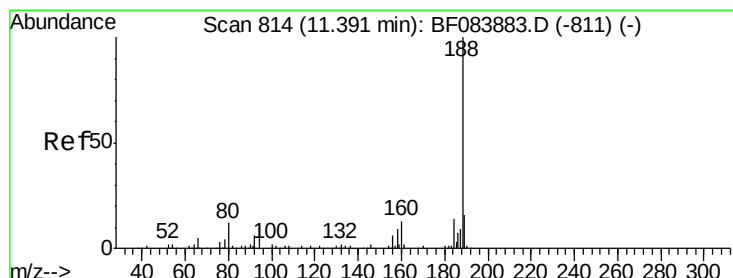
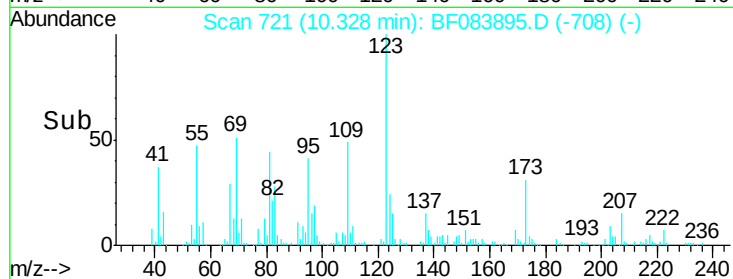
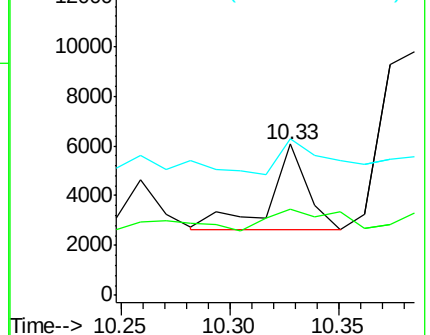
108 103.3 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

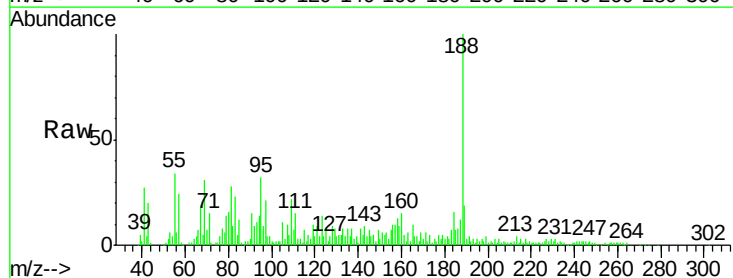
Tgt Ion:188 Resp: 134560

Ion Ratio Lower Upper

188 100

94 14.4 9.0 13.4#

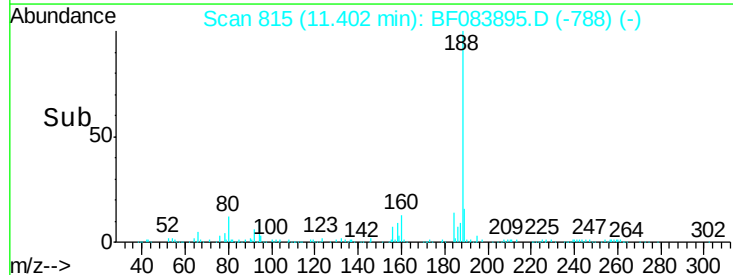
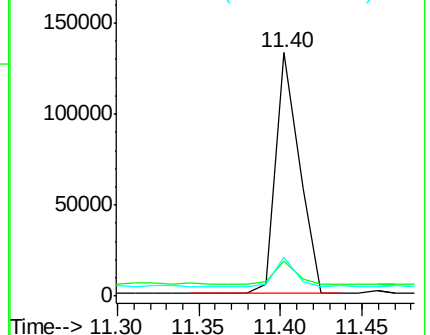
80 15.7 9.6 14.4#

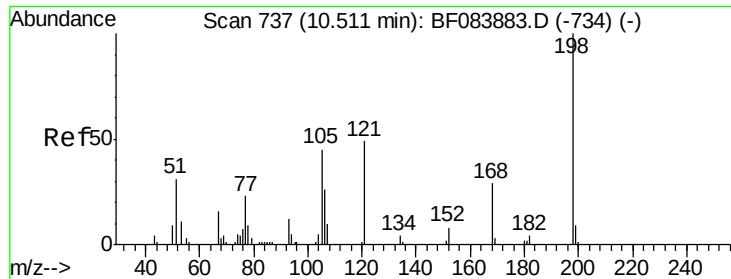


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 4.53 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

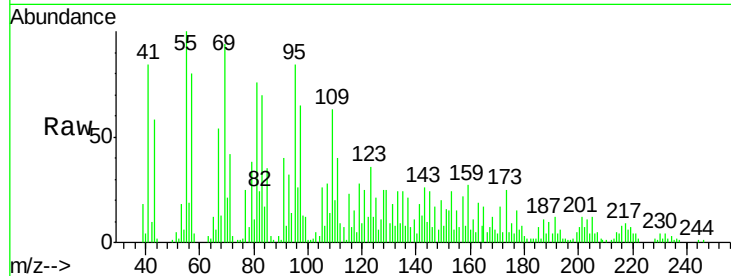
Tgt Ion:198 Resp: 542

Ion Ratio Lower Upper

198 100

51 230.8 18.9 58.9#

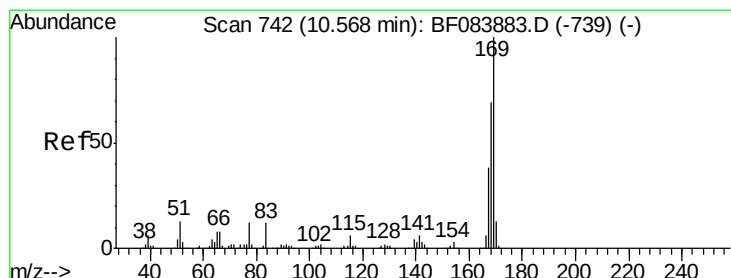
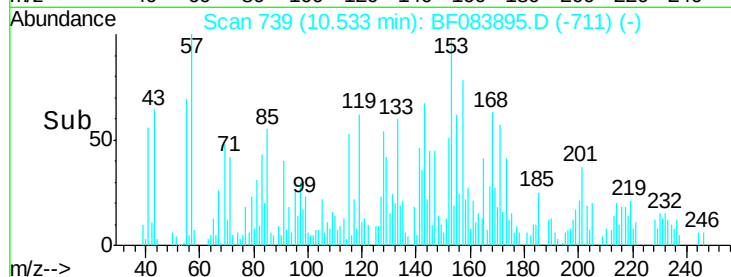
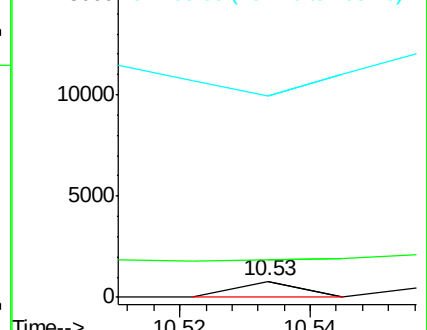
105 1256.8 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 5.32 ng

RT: 10.58 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

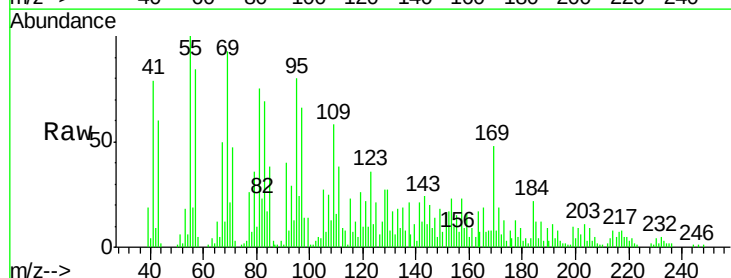
Tgt Ion:169 Resp: 26045

Ion Ratio Lower Upper

169 100

168 16.5 55.1 82.7#

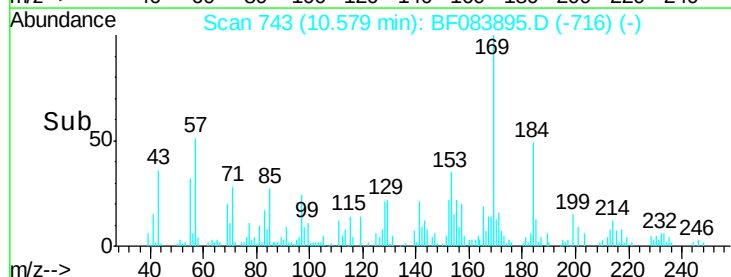
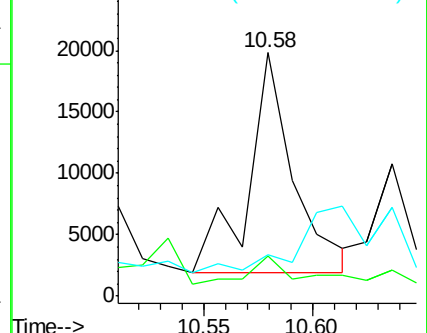
167 17.2 30.0 45.0#

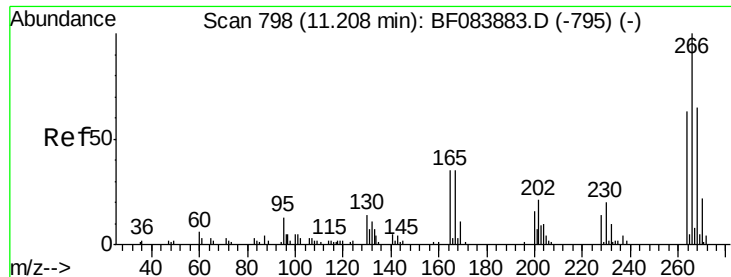


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

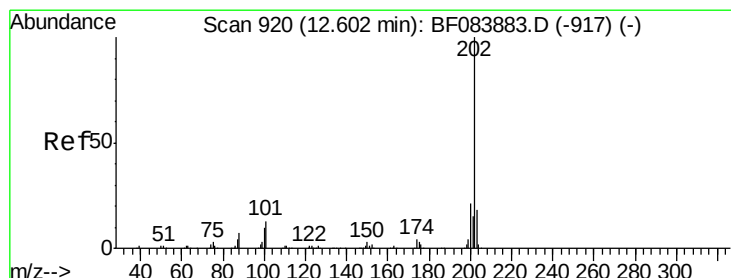
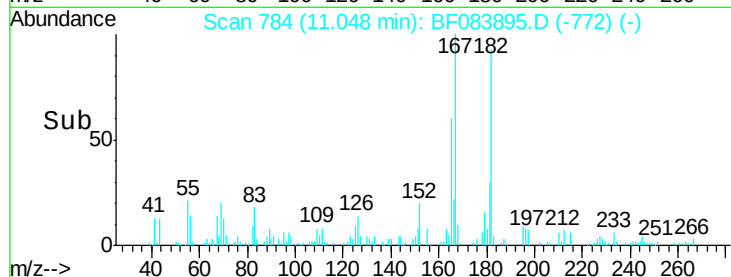
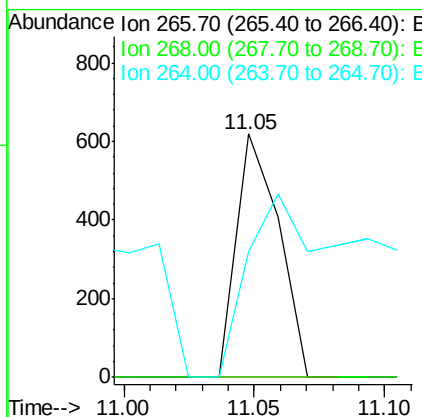
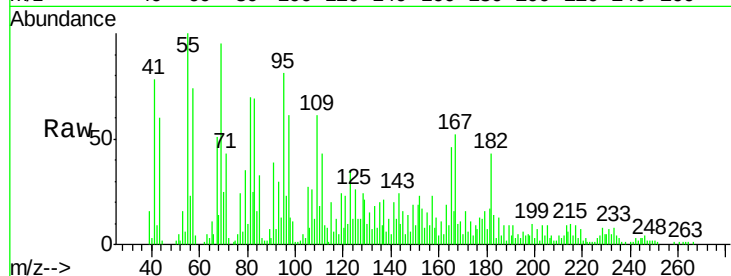




#69
 Pentachlorophenol
 Concen: 5.62 ng
 RT: 11.05 min Scan# 784
 Delta R.T. -0.16 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

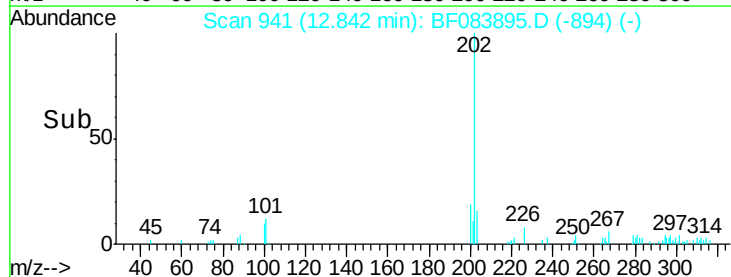
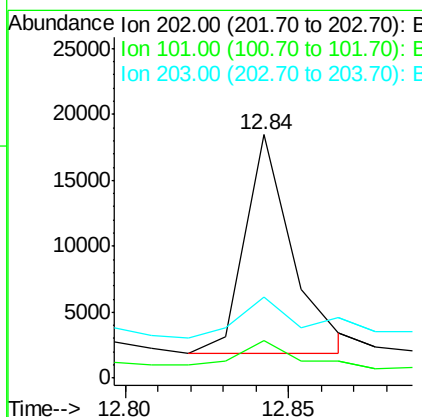
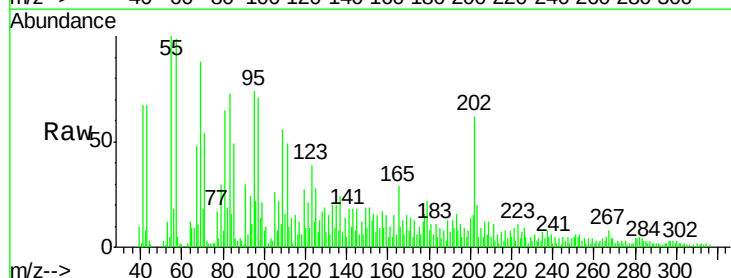
Instrument :
 BNA_F
 ClientSampleId :
 K200-(5-10)

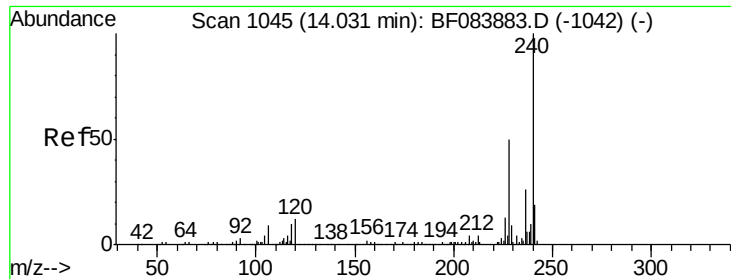
Tgt Ion: 266 Resp: 704
 Ion Ratio Lower Upper
 266 100
 268 0.0 52.4 78.6#
 264 51.9 50.2 75.2



#74
 Fluoranthene
 Concen: 2.03 ng
 RT: 12.84 min Scan# 941
 Delta R.T. 0.24 min
 Lab File: BF083895.D
 Acq: 18 Dec 2015 4:20

Tgt Ion: 202 Resp: 16501
 Ion Ratio Lower Upper
 202 100
 101 15.6 0.0 32.8
 203 33.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

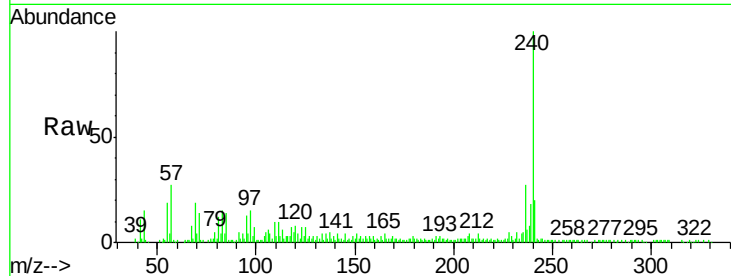
Tgt Ion:240 Resp: 101420

Ion Ratio Lower Upper

240 100

120 7.7 9.5 14.3#

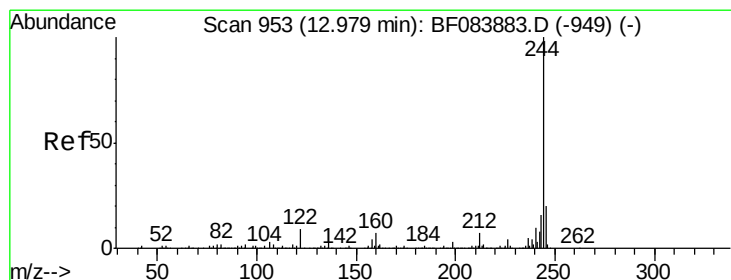
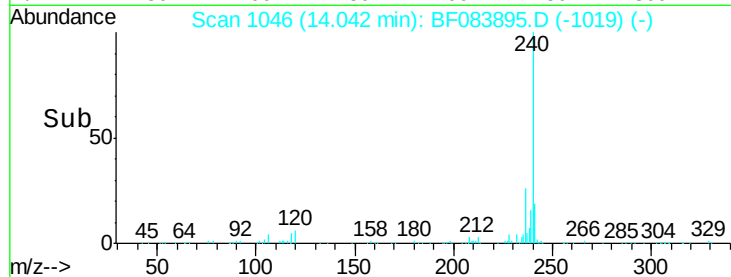
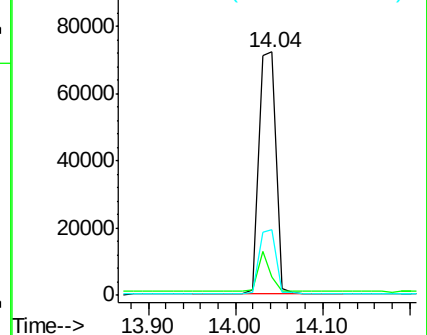
236 26.8 20.6 31.0



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: 89.29 ng

RT: 12.99 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

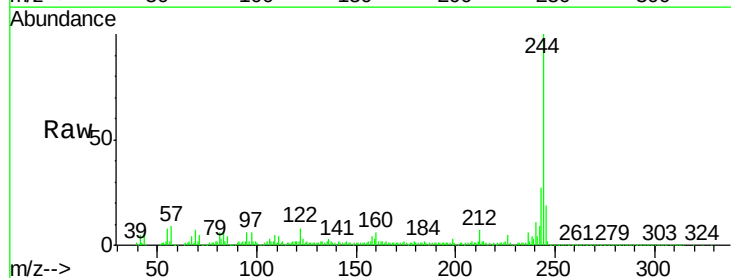
Tgt Ion:244 Resp: 385967

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

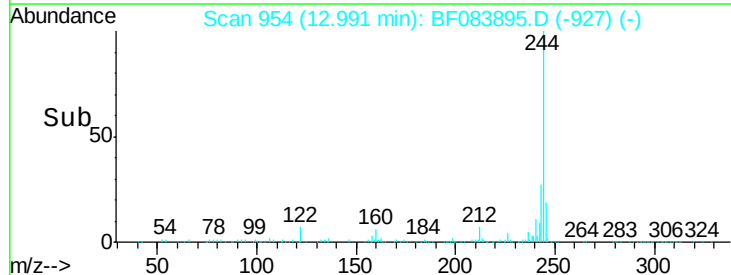
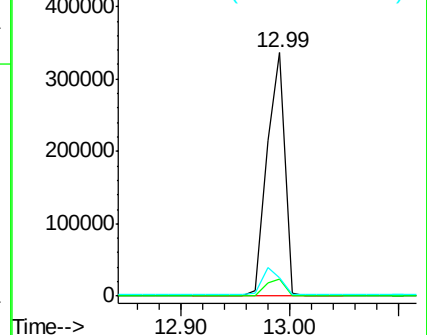
122 7.5 7.4 11.0

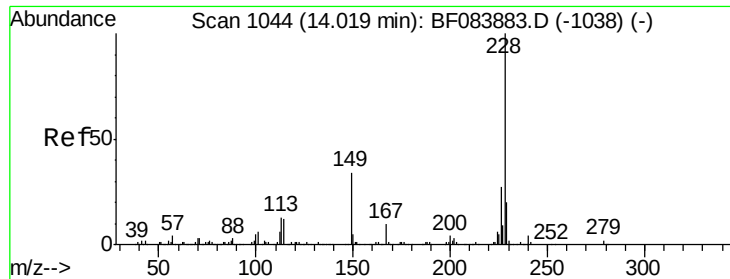


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.11 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

Instrument :

BNA_F

ClientSampleId :

K200-(5-10)

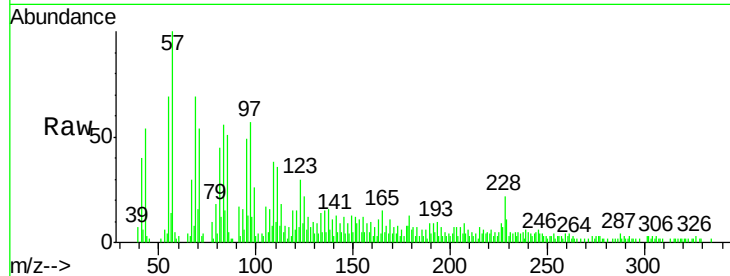
Tgt Ion:228 Resp: 13175

Ion Ratio Lower Upper

228 100

226 42.8 21.8 32.6#

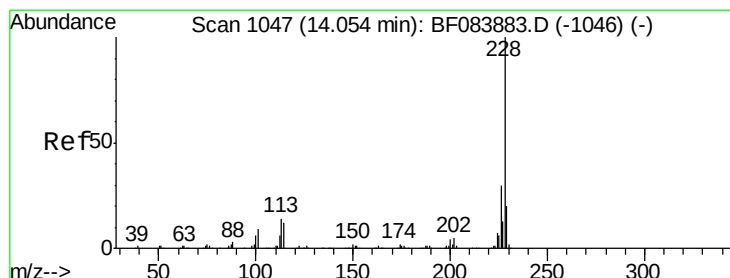
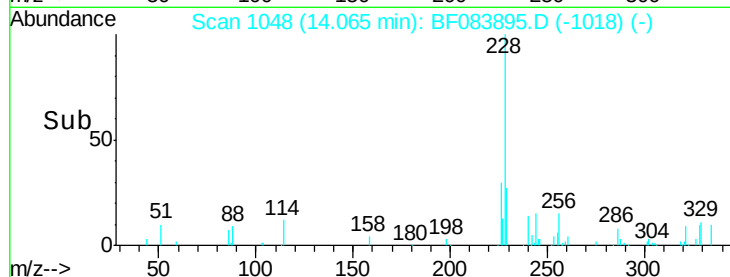
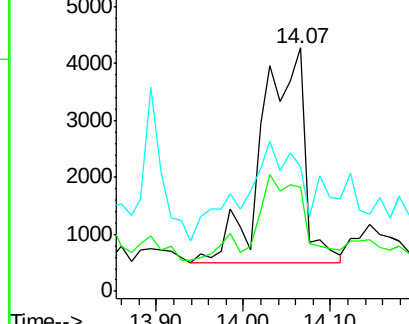
229 51.0 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.19 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF083895.D

Acq: 18 Dec 2015 4:20

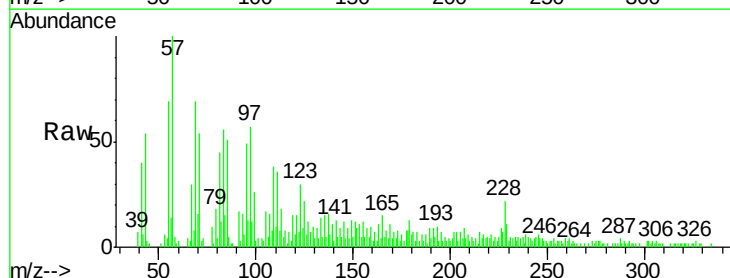
Tgt Ion:228 Resp: 13175

Ion Ratio Lower Upper

228 100

226 42.8 24.3 36.5#

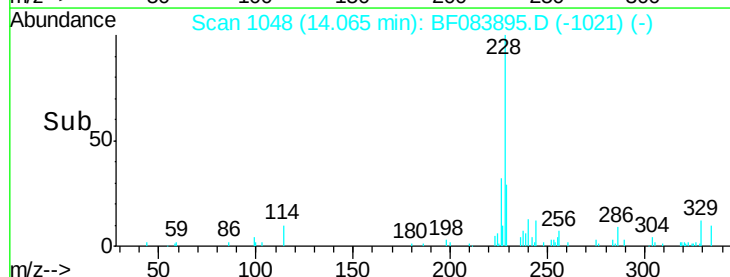
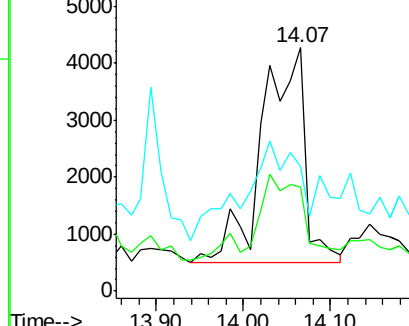
229 51.0 16.1 24.1#

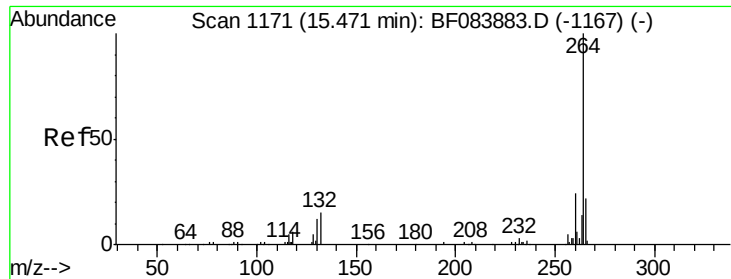


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BF083895.D
Acq: 18 Dec 2015 4:20

Instrument :
BNA_F
ClientSampleId :
K200-(5-10)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	22.3	17.8	26.6

