

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062116\
 Data File : BF088243.D
 Acq On : 22 Jun 2016 6:52
 Operator : UM/SJ
 Sample : H3633-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB

Quant Time: Jun 22 08:32:14 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

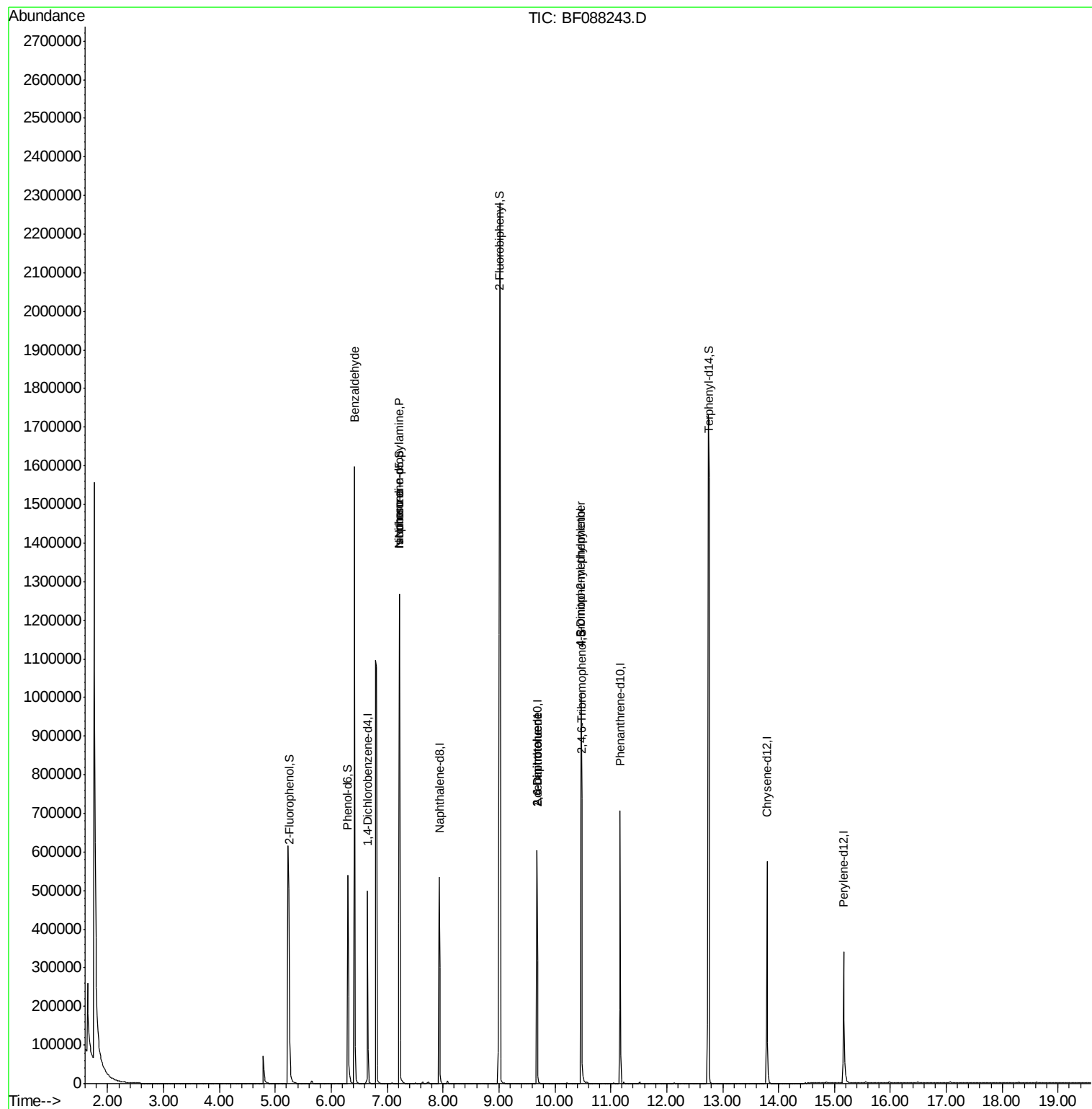
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	79283	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	316521	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	144106	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	276175	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	215768	20.00	ng	-0.01
86) Perylene-d12	15.17	264	164875	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	296377	63.91	ng	-0.01
7) Phenol-d6	6.30	99	240023	42.70	ng	-0.03
23) Nitrobenzene-d5	7.22	82	454368	83.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	180237	118.45	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	859380	94.29	ng	-0.02
78) Terphenyl-d14	12.75	244	815346	85.99	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	10958	2.76	ng	# 78
10) Phenol	6.42	94	974	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	59142	16.45	ng	# 69
25) Isophorone	7.22	82	351074	34.97	ng	# 65
45) 1,1'-Biphenyl	9.02	154	1670	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.68	165	18146	7.59	ng	# 37
56) 2,4-Dinitrotoluene	9.68	165	18146	5.91	ng	# 36
57) Fluorene	10.47	166	7857	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.47	198	241	2.30	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	10873	3.67	ng	# 1

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

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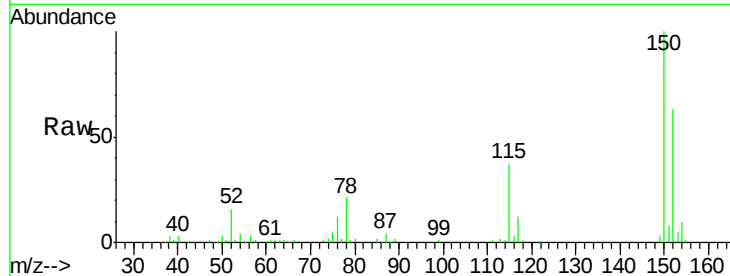




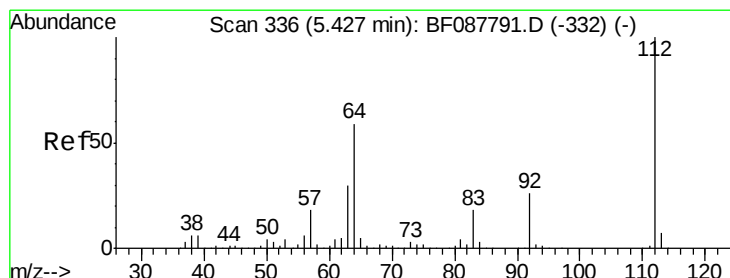
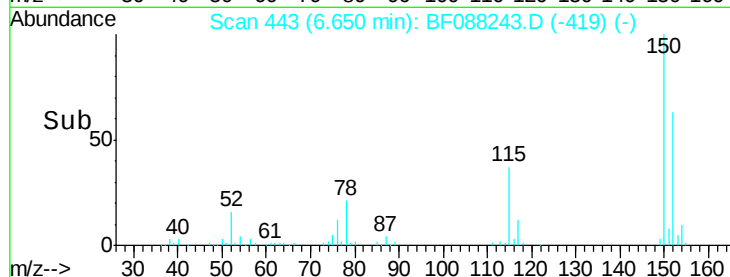
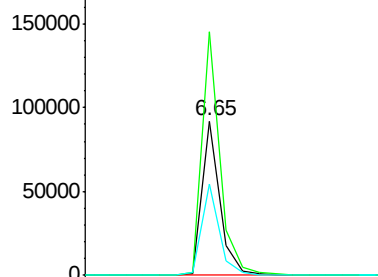
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.02 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Instrument :
 BNA_F
 ClientSampleId :
 FB

Tgt Ion:152 Resp: 79283
 Ion Ratio Lower Upper
 152 100
 150 157.8 123.8 185.6
 115 58.8 39.6 59.4

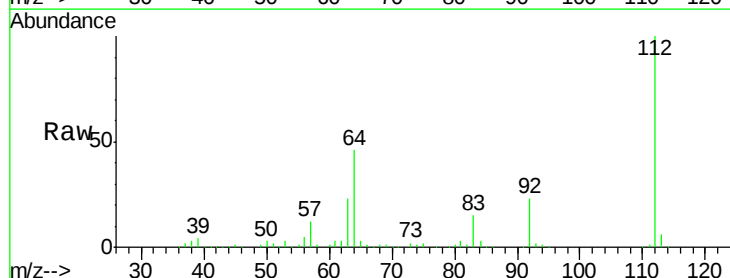


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

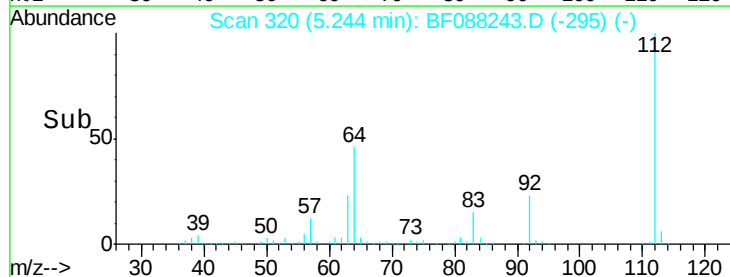
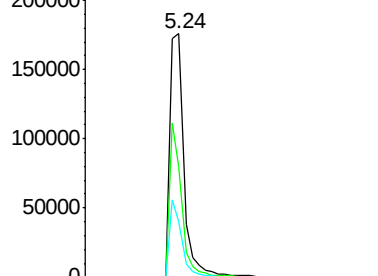


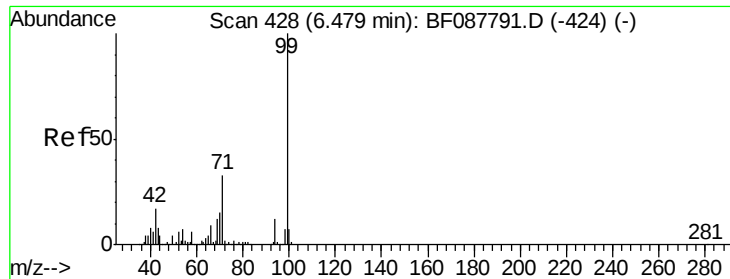
#5
 2-Fluorophenol
 Concen: 63.91 ng
 RT: 5.24 min Scan# 320
 Delta R.T. -0.01 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Tgt Ion:112 Resp: 296377
 Ion Ratio Lower Upper
 112 100
 64 45.6 42.2 63.2
 63 22.8 21.8 32.8



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: 42.70 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Instrument :

BNA_F

ClientSampled :

FB

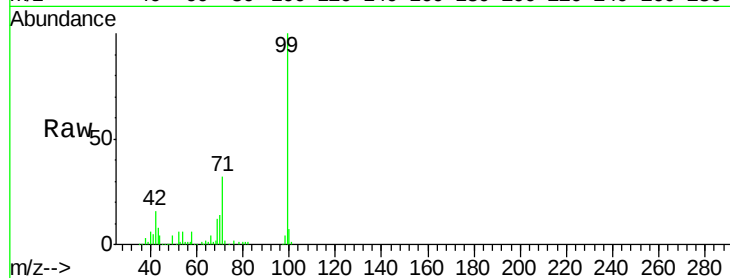
Tgt Ion: 99 Resp: 240023

Ion Ratio Lower Upper

99 100

42 15.6 12.2 18.2

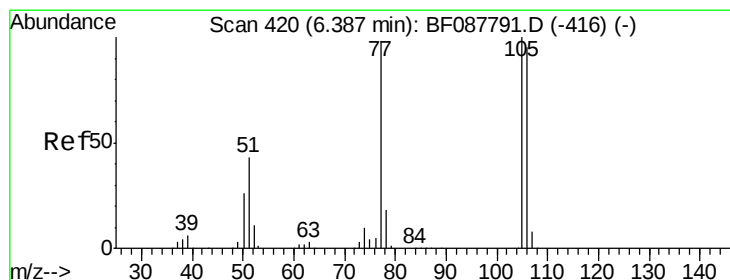
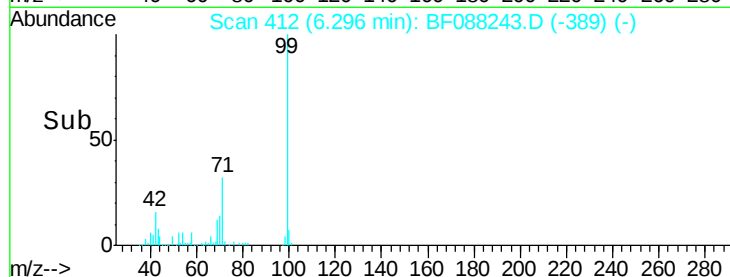
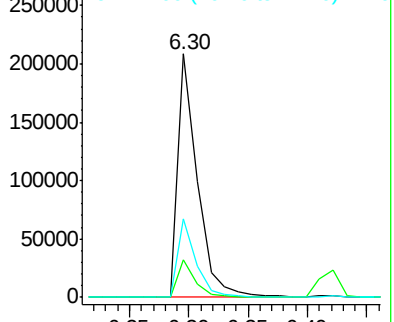
71 32.5 23.4 35.0



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: 2.76 ng

RT: 6.42 min Scan# 423

Delta R.T. 0.21 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

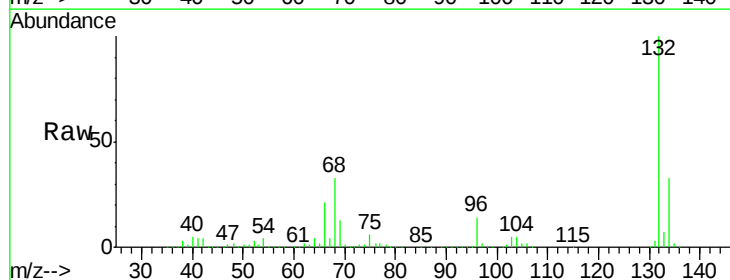
Tgt Ion: 77 Resp: 10958

Ion Ratio Lower Upper

77 100

105 88.3 90.6 130.6#

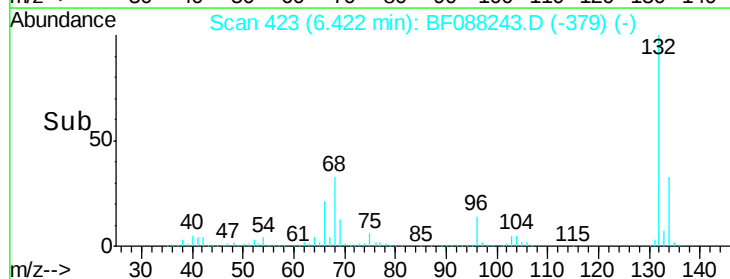
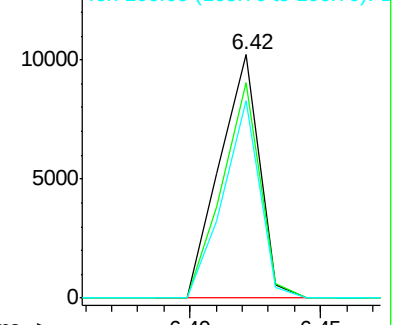
106 81.0 85.3 125.3#

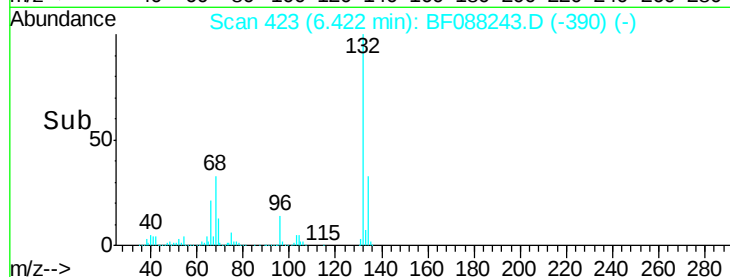
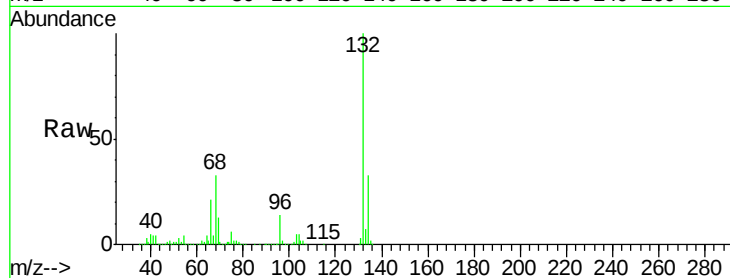
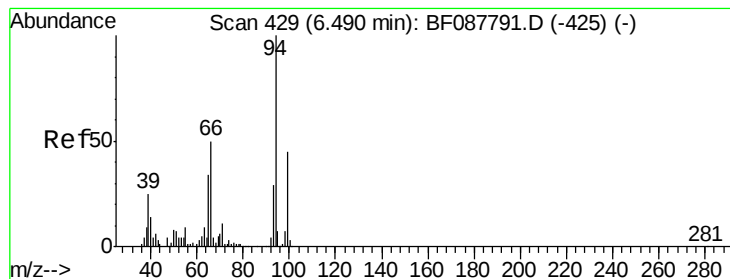


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. 0.08 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Instrument :

BNA_F

ClientSampled :

FB

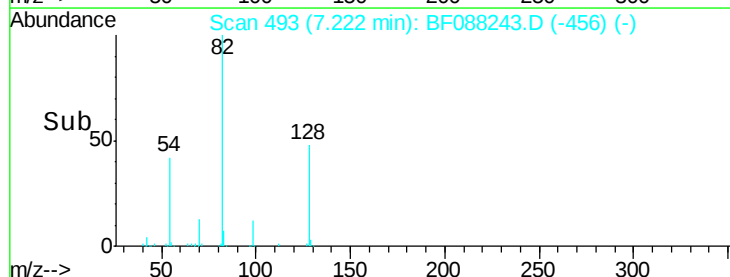
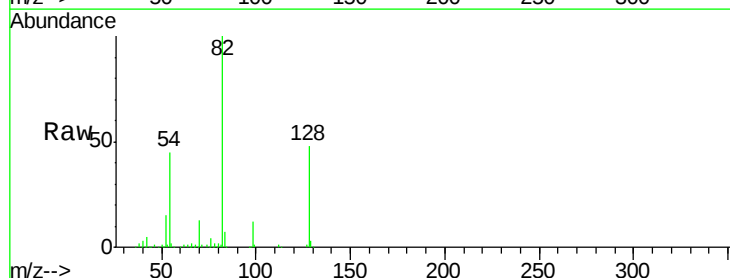
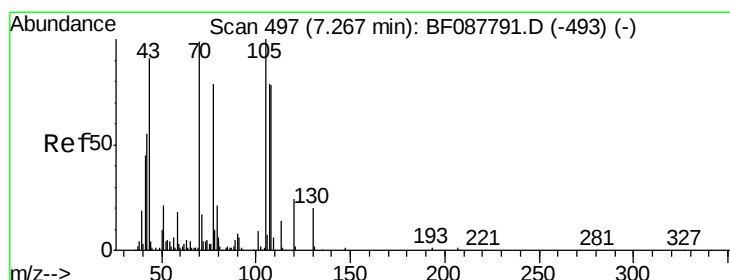
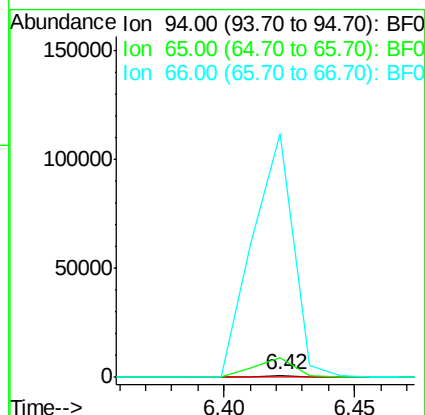
Tgt Ion: 94 Resp: 974

Ion Ratio Lower Upper

94 100

65 913.1 5.9 45.9#

66 11035.9 14.0 54.0#



#19

n-Nitroso-di-n-propylamine

Concen: 16.45 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.13 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Tgt Ion: 70 Resp: 59142

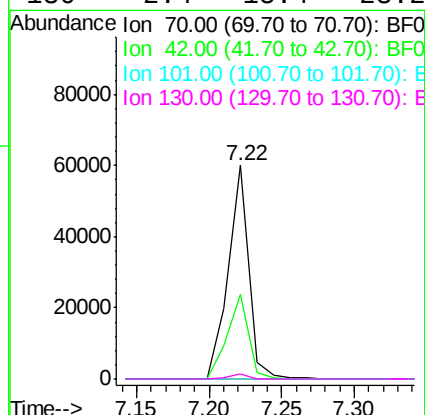
Ion Ratio Lower Upper

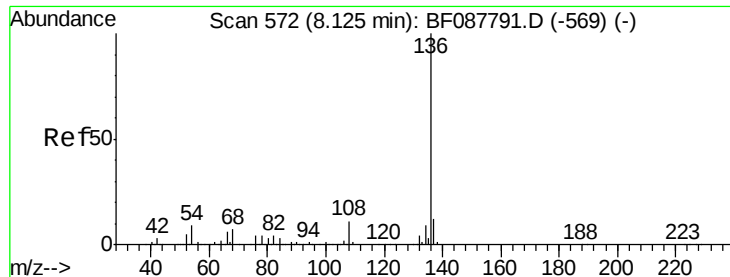
70 100

42 39.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 555

Delta R.T. -0.02 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Instrument :

BNA_F

ClientSampleId :

FB

Tgt Ion: 136 Resp: 316521

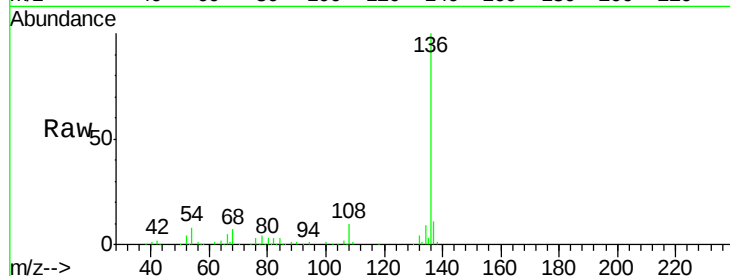
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.2 6.6 10.0

68 6.6 5.1 7.7

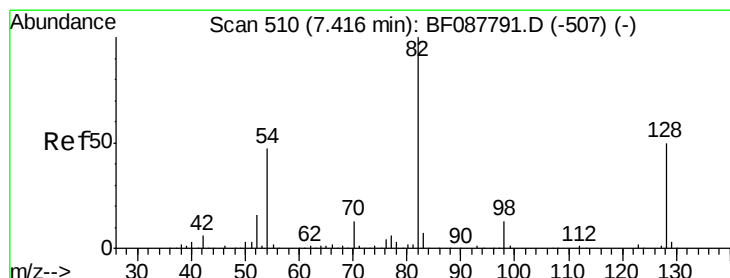
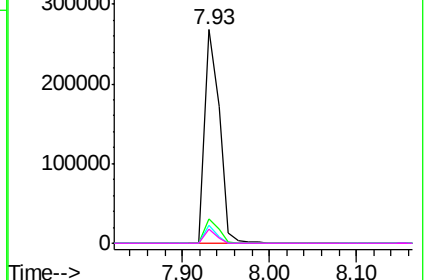
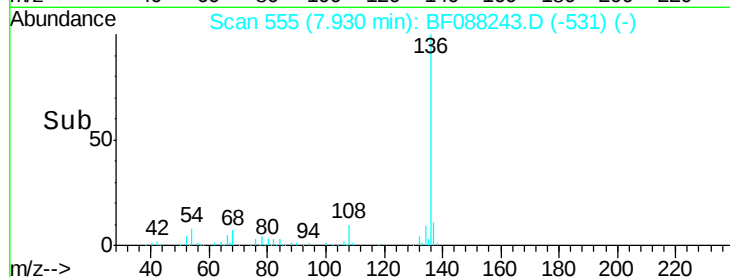


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.83 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

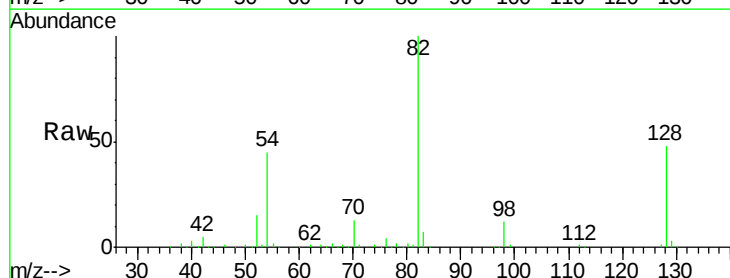
Tgt Ion: 82 Resp: 454368

Ion Ratio Lower Upper

82 100

128 48.3 35.9 53.9

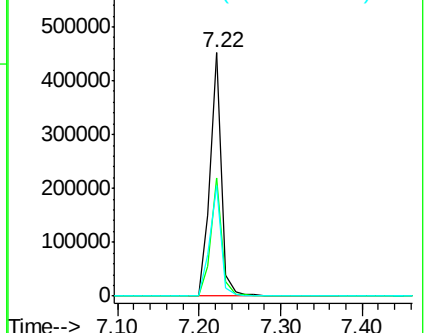
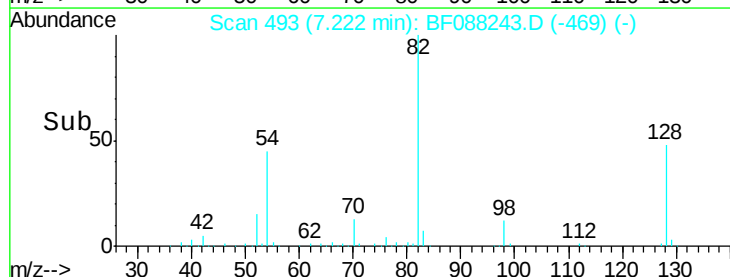
54 45.4 40.9 61.3

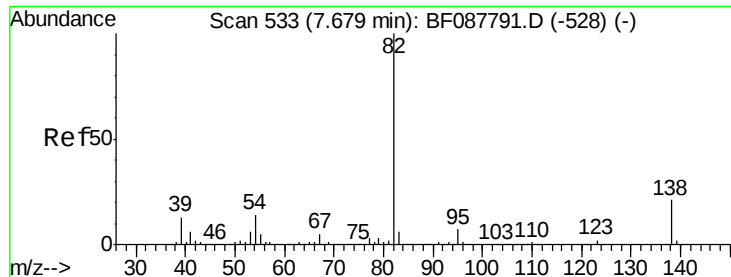


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.97 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.29 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Instrument :

BNA_F

ClientSampleId :

FB

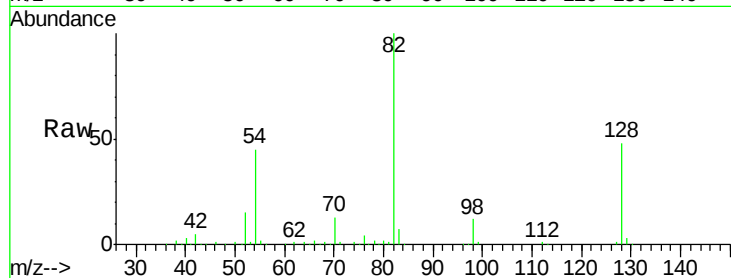
Tgt Ion: 82 Resp: 351074

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

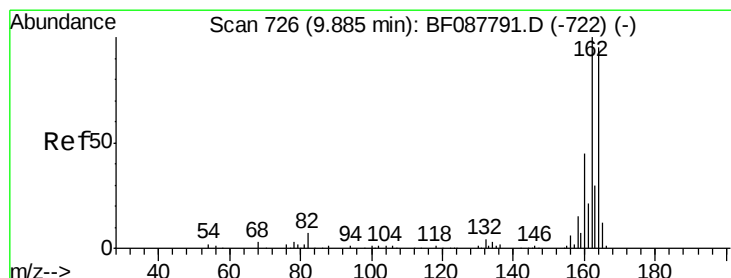
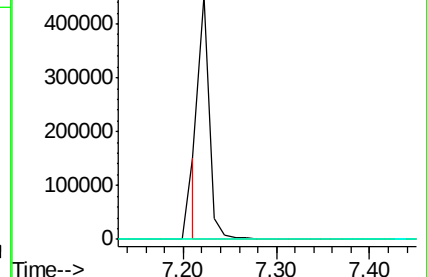
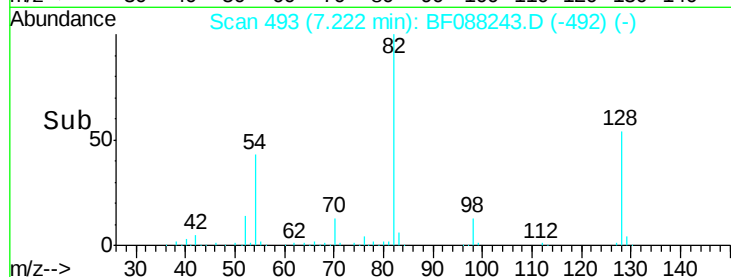
138 0.0 14.6 21.8#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

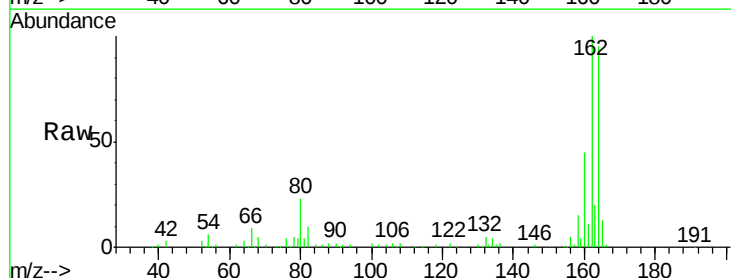
Tgt Ion: 164 Resp: 144106

Ion Ratio Lower Upper

164 100

162 105.0 85.4 128.2

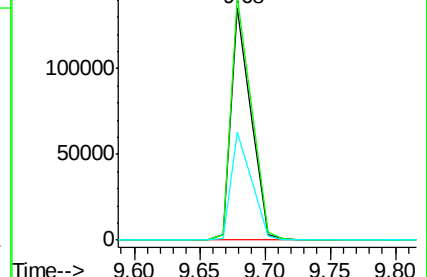
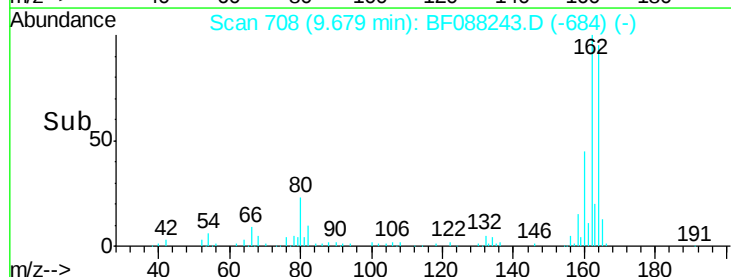
160 46.8 39.5 59.3

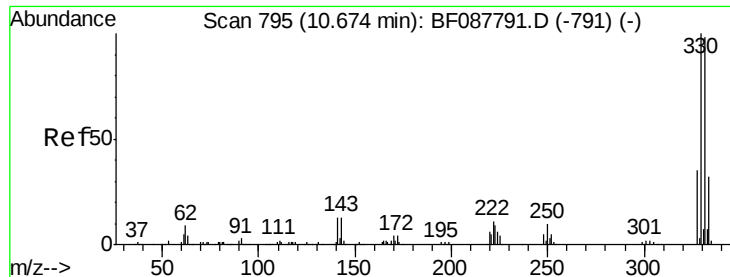


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

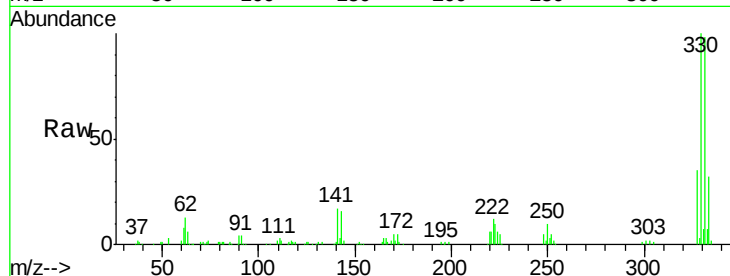




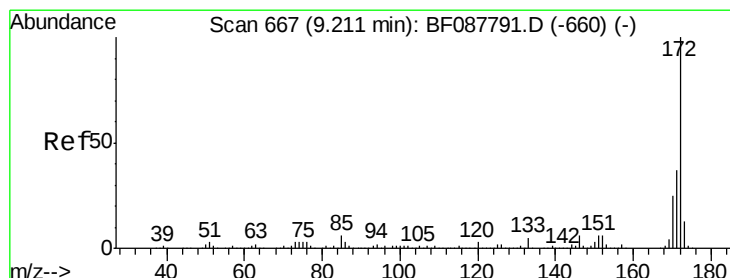
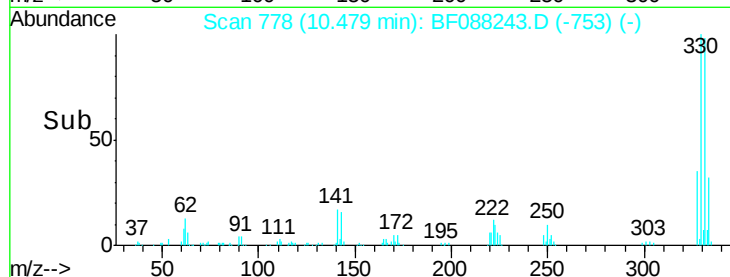
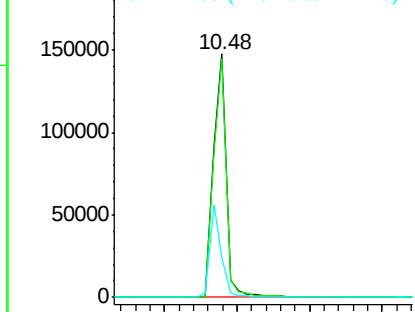
#41
 2,4,6-Tribromophenol
 Concen: 118.45 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	33.9	0.0	0.0#

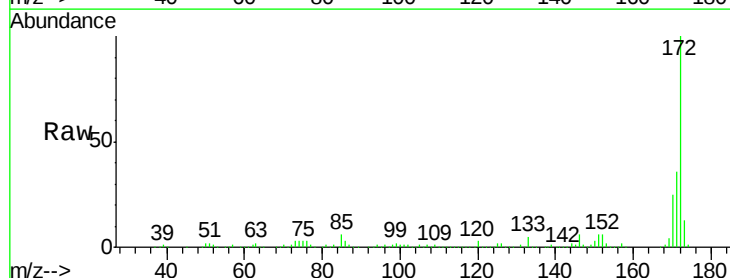


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

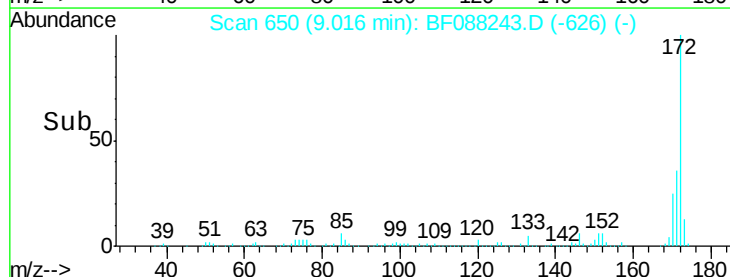
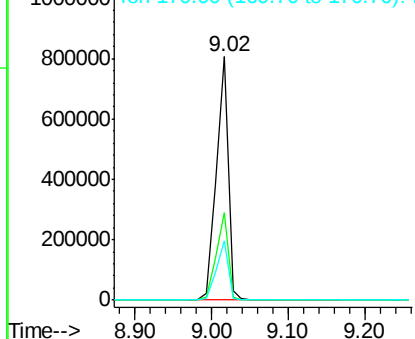


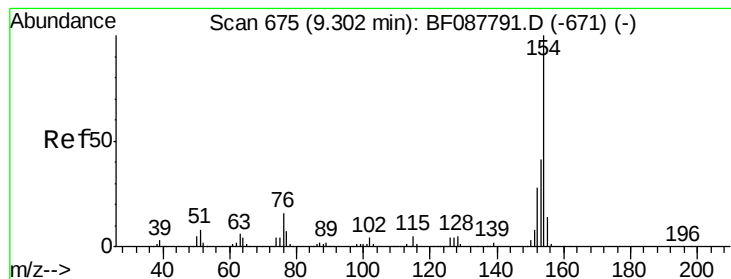
#44
 2-Fluorobiphenyl
 Concen: 94.29 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.6	19.2	28.8



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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.02 min Scan# 650

Delta R.T. -0.11 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

Instrument :

BNA_F

ClientSampleId :

FB

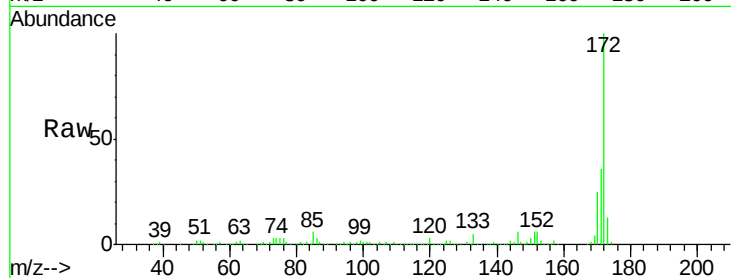
Tgt Ion:154 Resp: 1670

Ion Ratio Lower Upper

154 100

153 928.7 20.6 60.6#

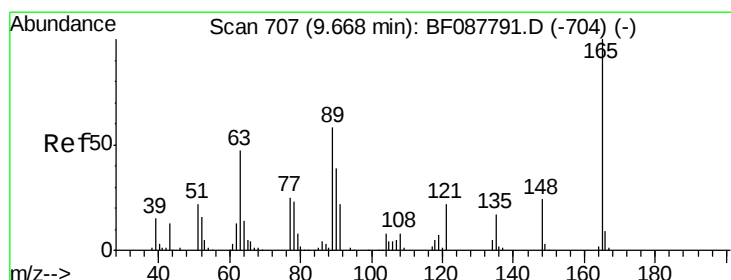
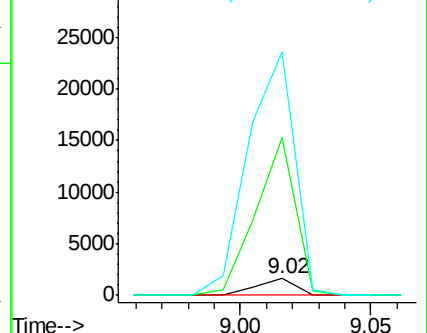
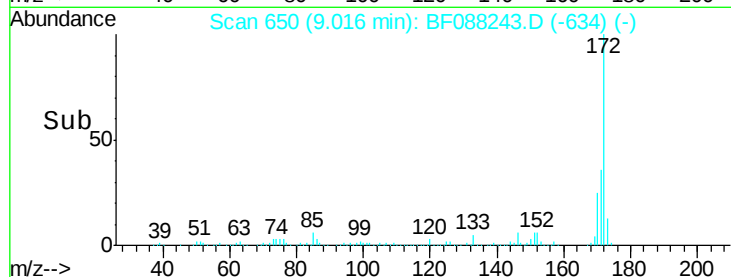
76 1437.3 0.0 35.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#50

2,6-Dinitrotoluene

Concen: 7.59 ng

RT: 9.68 min Scan# 708

Delta R.T. 0.17 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

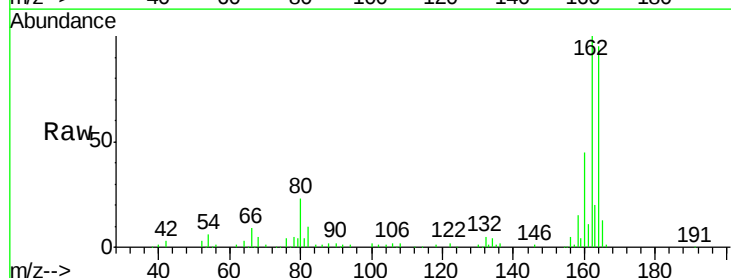
Tgt Ion:165 Resp: 18146

Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

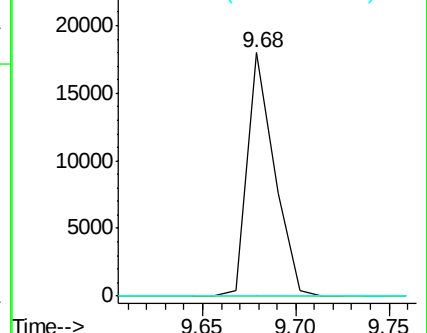
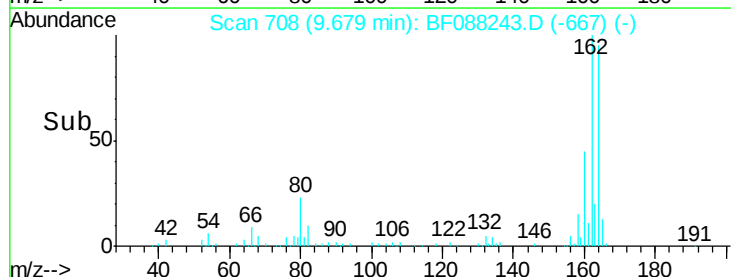
89 0.0 32.2 48.2#

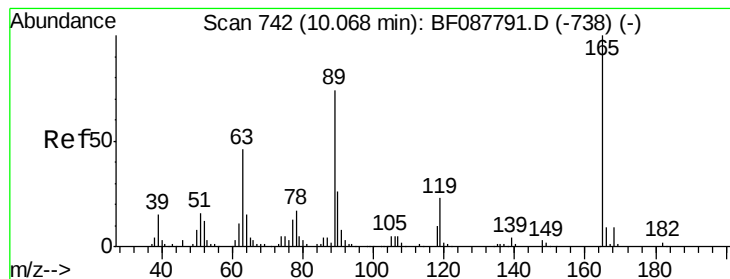


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 5.91 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.23 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

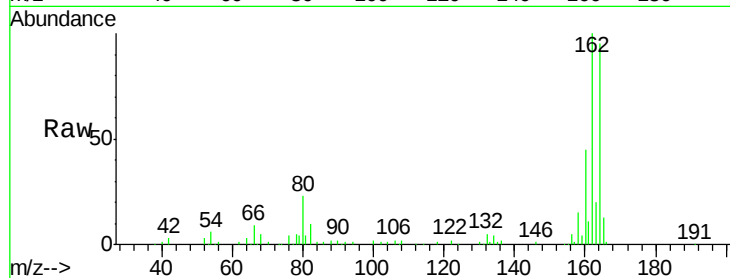
Instrument :

BNA_F

ClientSampleId :

FB

Tgt Ion:	165	Resp:	18146
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

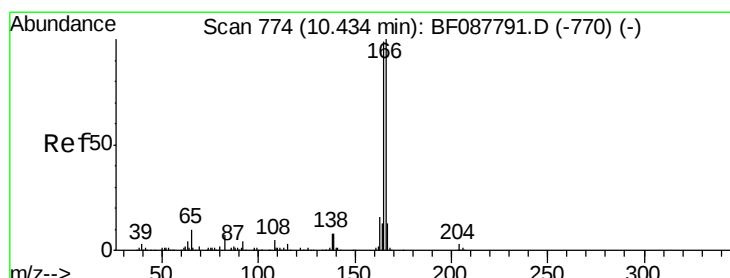
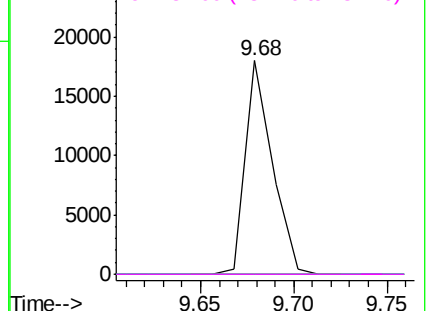
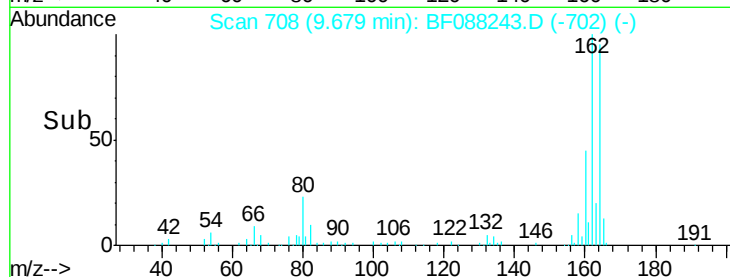


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

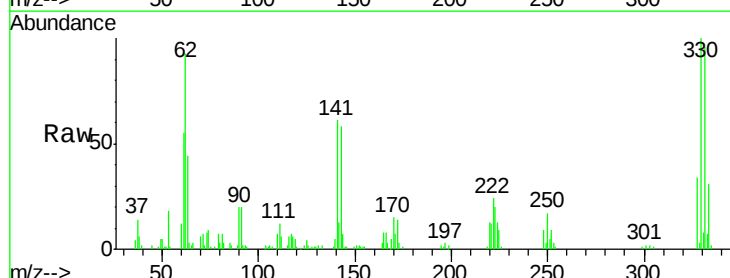
RT: 10.47 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF088243.D

Acq: 22 Jun 2016 6:52

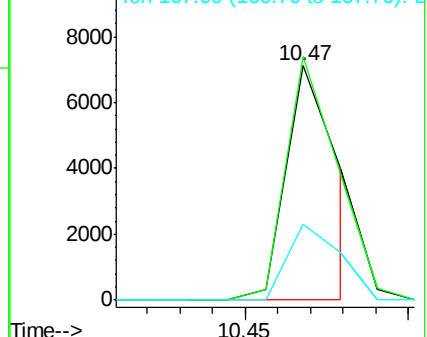
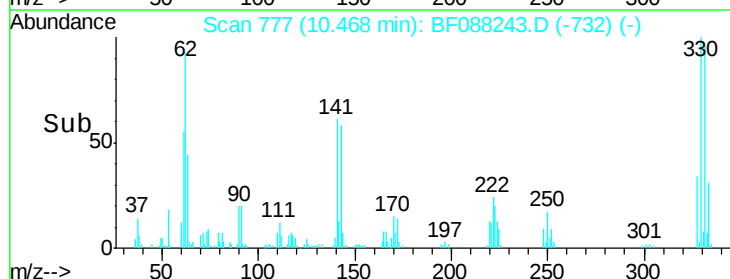
Tgt Ion:	166	Resp:	7857
Ion Ratio	Lower	Upper	
166	100		
165	104.0	77.8	116.8
167	32.4	11.2	16.8#

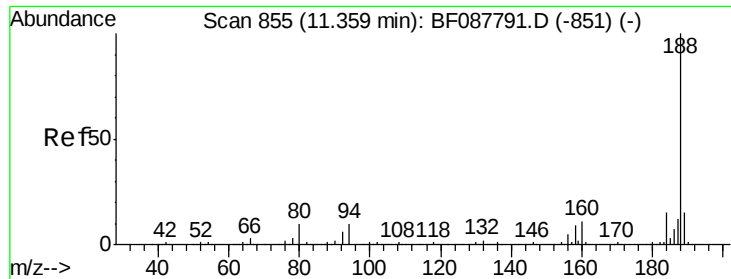


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

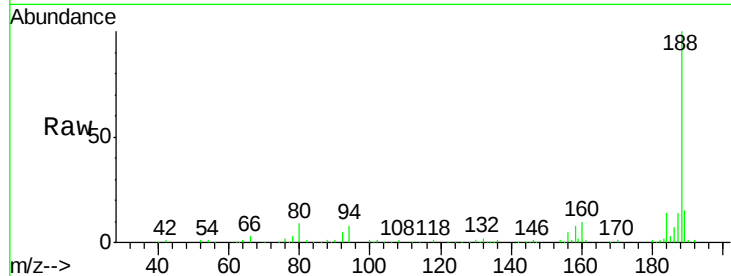




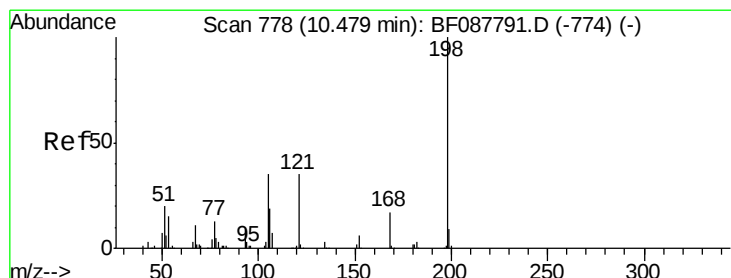
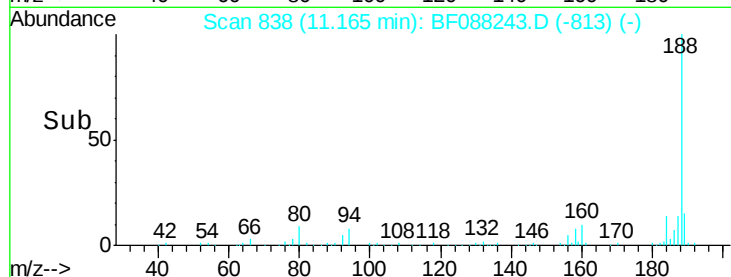
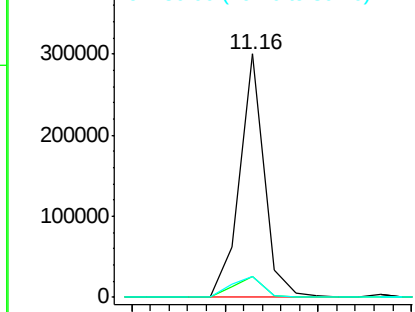
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF088243.D
Acq: 22 Jun 2016 6:52

Instrument :
BNA_F
ClientSampleId :
FB

Tgt Ion:188 Resp: 276175
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.6#
80 8.6 10.0 15.0#

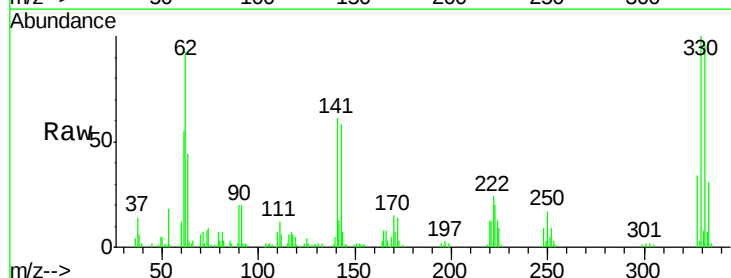


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

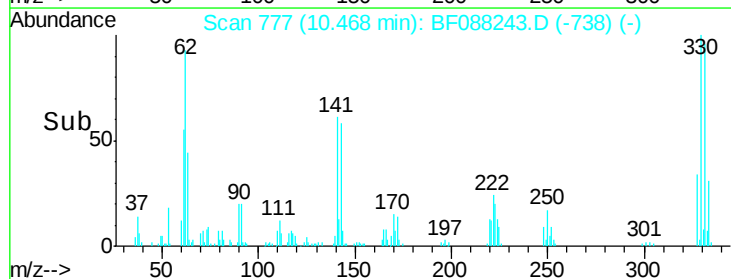
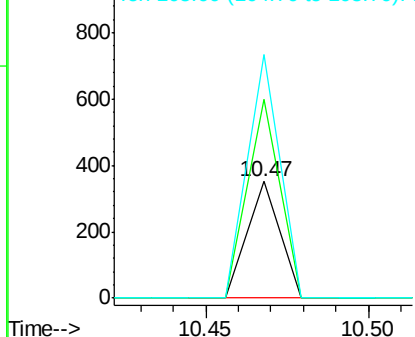


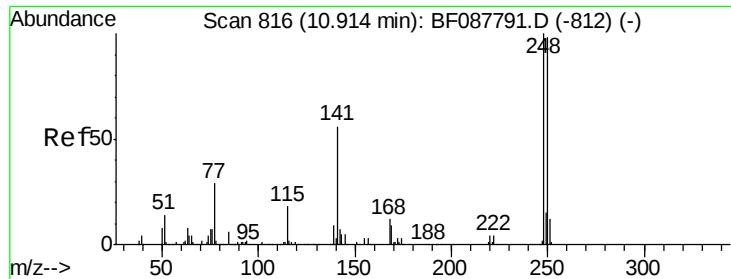
#64
4,6-Dinitro-2-methylphenol
Concen: 2.30 ng
RT: 10.47 min Scan# 777
Delta R.T. 0.15 min
Lab File: BF088243.D
Acq: 22 Jun 2016 6:52

Tgt Ion:198 Resp: 241
Ion Ratio Lower Upper
198 100
51 170.7 39.6 79.6#
105 208.5 36.6 76.6#



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

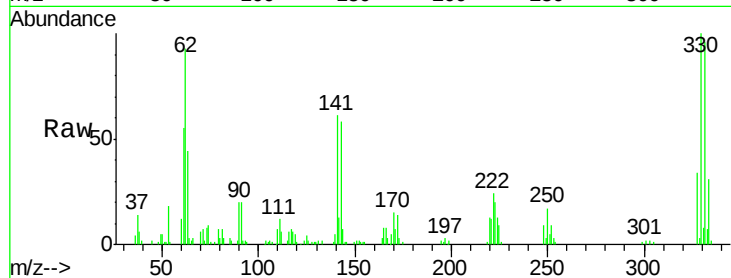




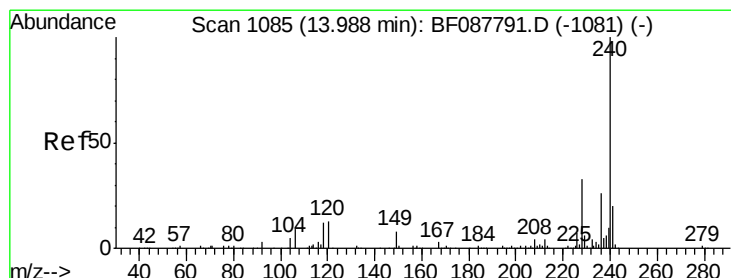
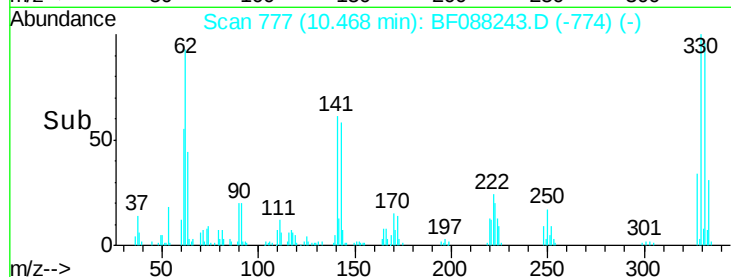
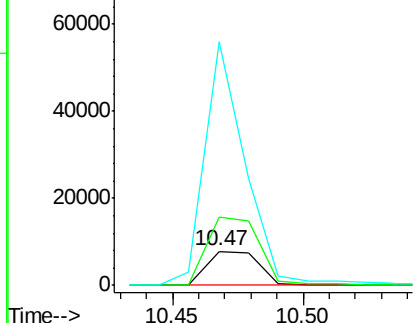
#66
 4-Bromophenyl-phenylether
 Concen: 3.67 ng
 RT: 10.47 min Scan# 777
 Delta R.T. -0.26 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Instrument :
 BNA_F
 ClientSampleId :
 FB

Tgt Ion:248 Resp: 10873
 Ion Ratio Lower Upper
 248 100
 250 199.7 77.1 115.7#
 141 711.4 50.6 76.0#

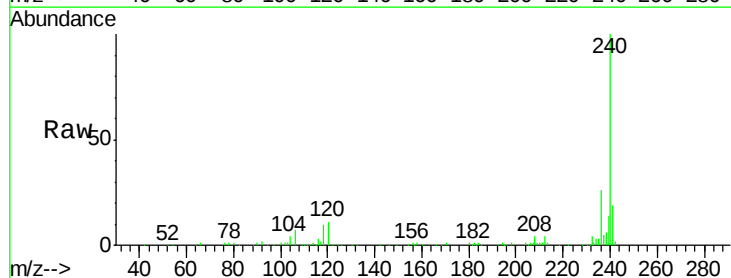


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

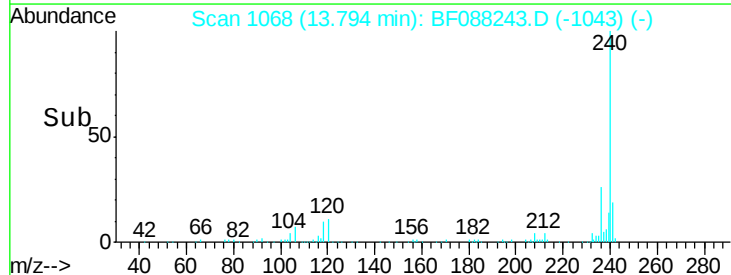
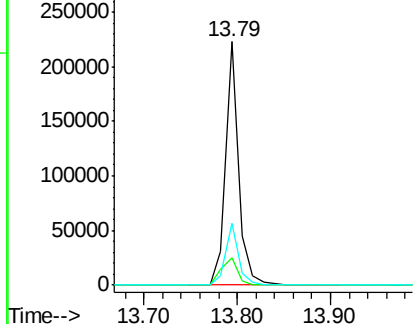


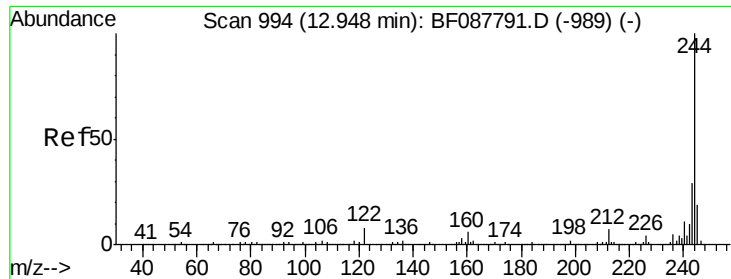
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Tgt Ion:240 Resp: 215768
 Ion Ratio Lower Upper
 240 100
 120 11.2 6.8 10.2#
 236 25.7 20.2 30.2



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

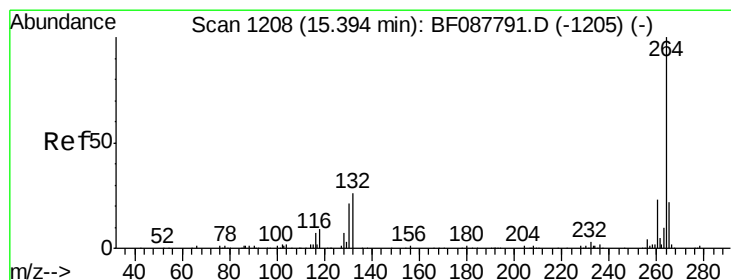
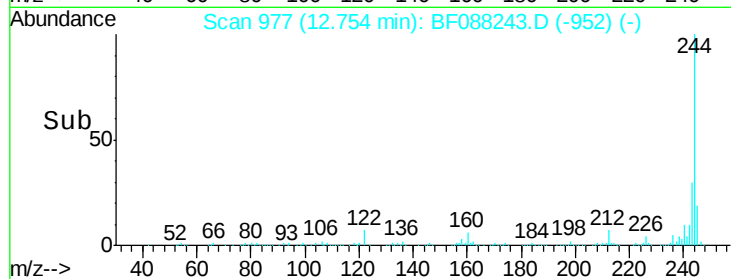
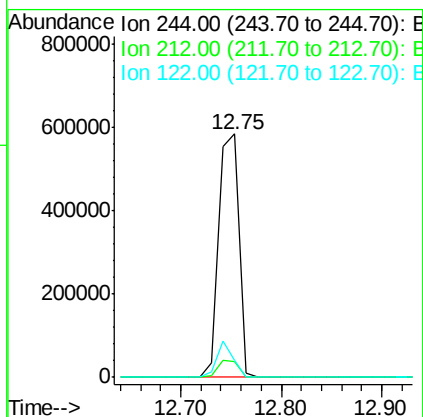
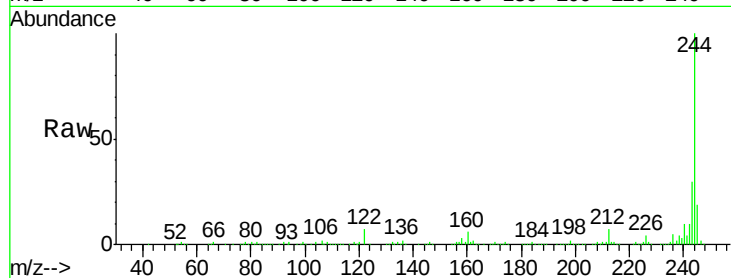




#78
 Terphenyl-d14
 Concen: 85.99 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Instrument :
 BNA_F
 ClientSampleId :
 FB

Tgt Ion:244 Resp: 815346
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 7.1 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF088243.D
 Acq: 22 Jun 2016 6:52

Tgt Ion:264 Resp: 164875
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.2 16.9 25.3

