

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086769.D
 Acq On : 7 May 2016 12:51
 Operator : UM/SJ
 Sample : H2858-02
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MWHR(2-6)

Quant Time: May 07 23:42:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	178886	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	728584	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	348512	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	665942	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	452660	40.00	ng	-0.03
86) Perylene-d12	15.22	264	336763	40.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	610215	56.47	ng	-0.02
7) Phenol-d6	6.35	99	483978	33.25	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1268720	89.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	576726	169.16	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2122445	99.83	ng	-0.03
78) Terphenyl-d14	12.81	244	1605243	71.67	ng	-0.03

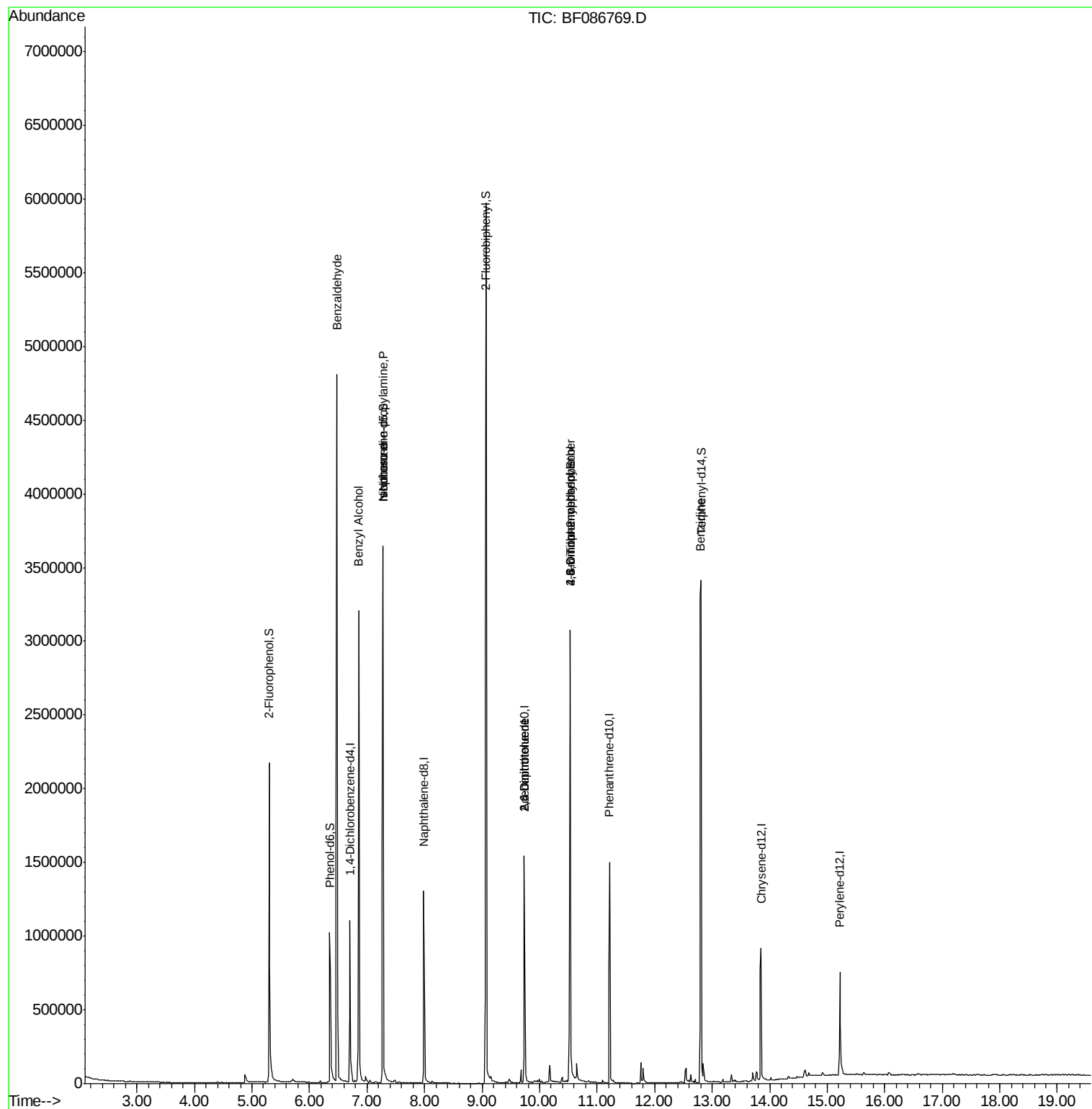
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	33163	4.57	ng	# 73
15) Benzyl Alcohol	6.85	79	21679	2.30	ng	# 43
19) n-Nitroso-di-n-propylamine	7.28	70	180415	18.14	ng	# 73
25) Isophorone	7.28	82	1221924	46.28	ng	# 68
50) 2,6-Dinitrotoluene	9.73	165	44433	7.97	ng	# 20
56) 2,4-Dinitrotoluene	9.73	165	44427	6.43	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.53	198	1315	5.66	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	34040	5.14	ng	# 1
76) Benzidine	12.80	184	24086	8.75	ng	98

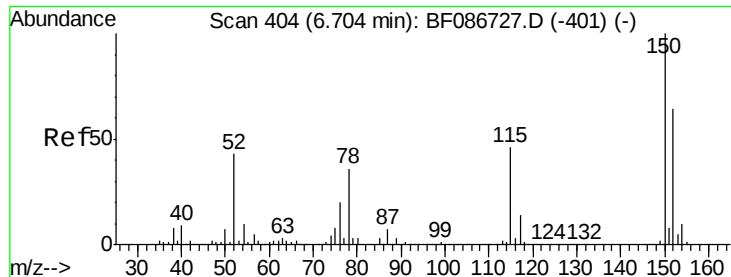
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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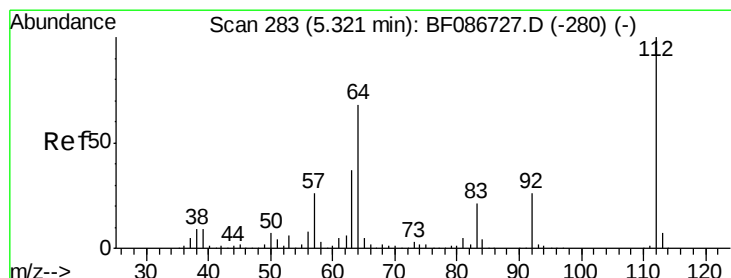
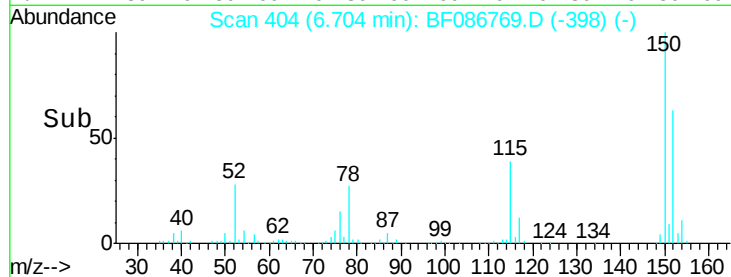
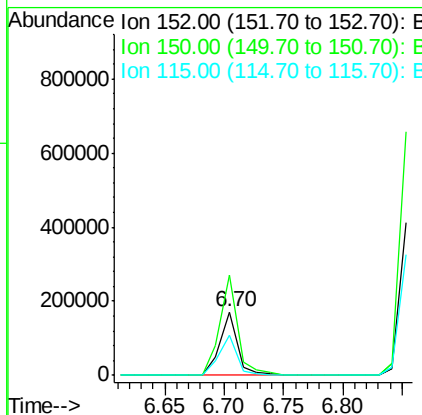
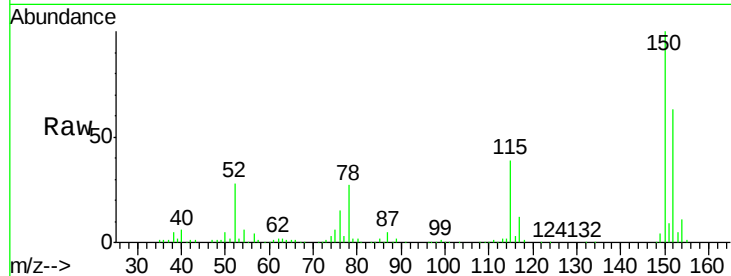


#1

1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086769.D
Acq: 7 May 2016 12:51

Instrument :
BNA_F
ClientSampleId :
MWHR(2-6)

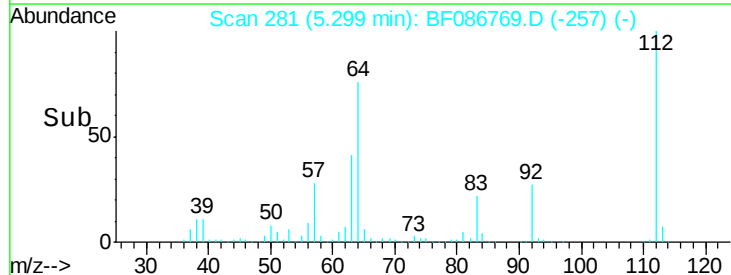
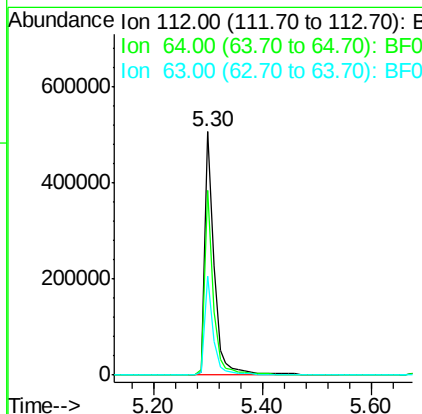
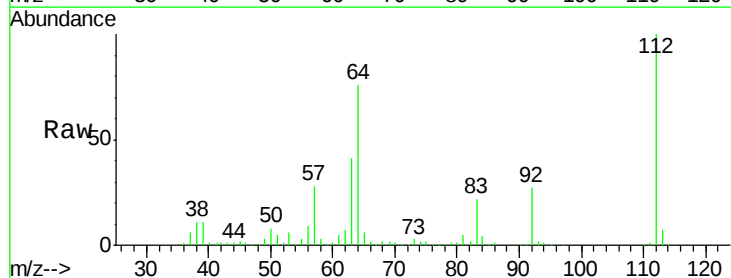
Tgt Ion:152 Resp: 178886
Ion Ratio Lower Upper
152 100
150 157.7 125.8 188.6
115 62.0 51.5 77.3

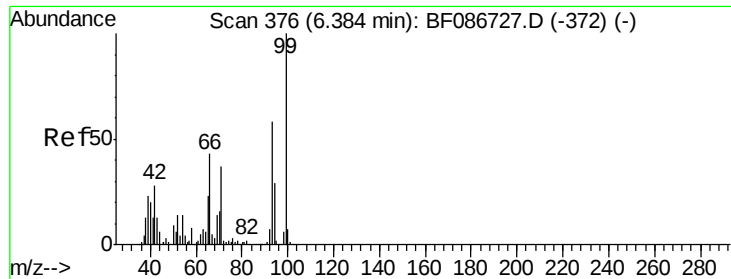


#5

2-Fluorophenol
Concen: 56.47 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.02 min
Lab File: BF086769.D
Acq: 7 May 2016 12:51

Tgt Ion:112 Resp: 610215
Ion Ratio Lower Upper
112 100
64 76.0 52.1 78.1
63 40.7 25.7 38.5#





#7

Phenol-d6

Concen: 33.25 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampleId :

MWHR(2-6)

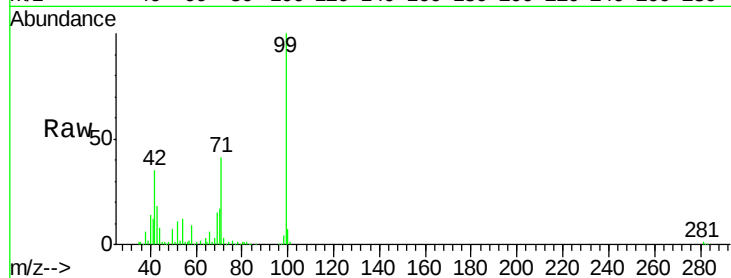
Tgt Ion: 99 Resp: 483978

Ion Ratio Lower Upper

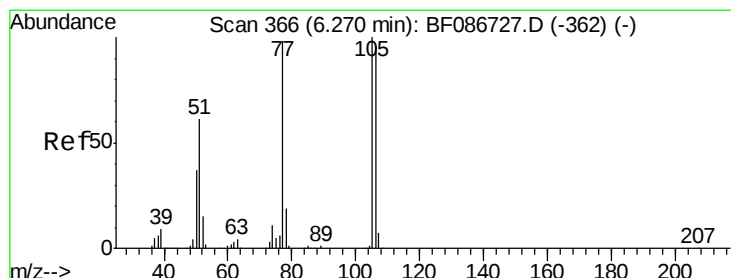
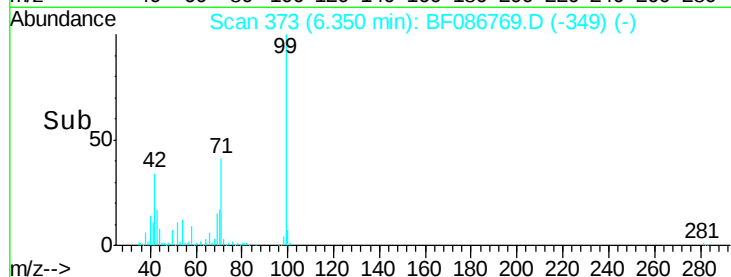
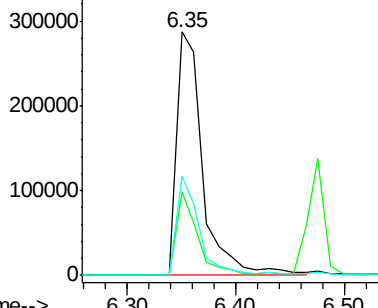
99 100

42 34.6 13.6 20.4#

71 40.6 24.6 36.8#



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: 4.57 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.19 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

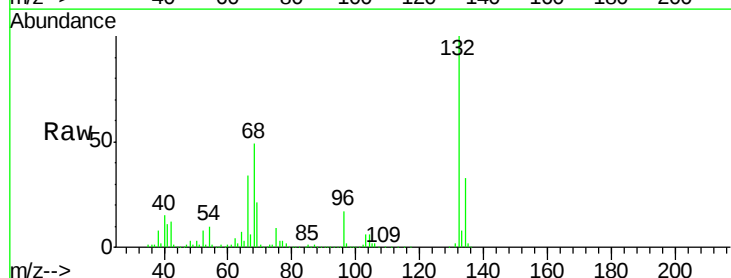
Tgt Ion: 77 Resp: 33163

Ion Ratio Lower Upper

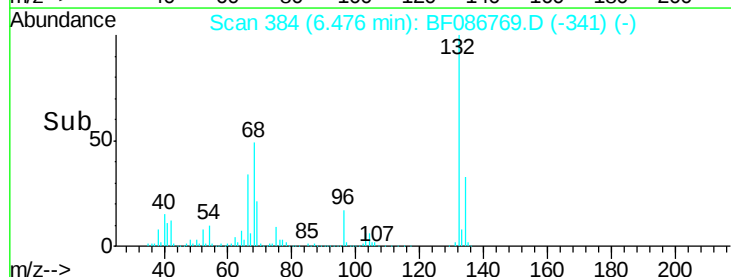
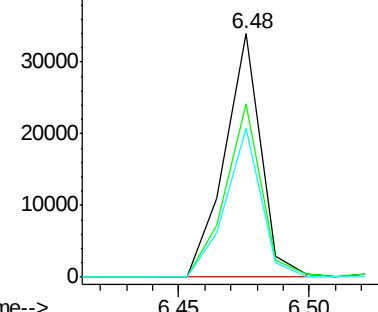
77 100

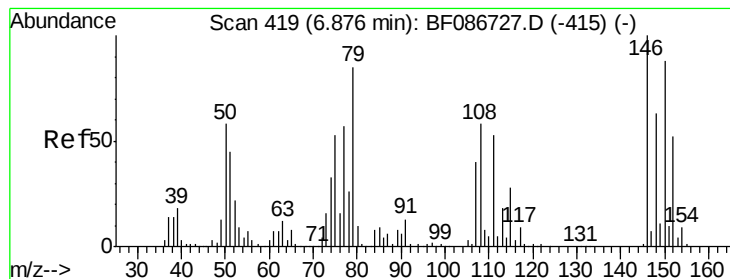
105 70.9 72.7 112.7#

106 60.9 70.8 110.8#



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: 2.30 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampled :

MWHR(2-6)

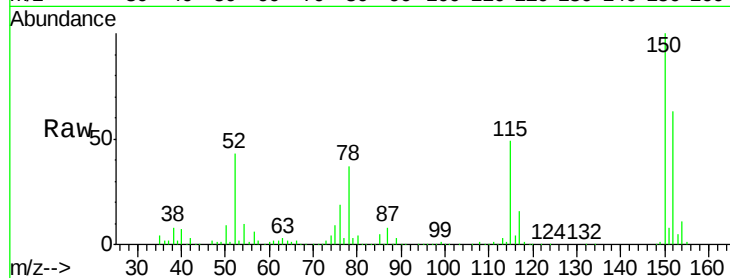
Tgt Ion: 79 Resp: 21679

Ion Ratio Lower Upper

79 100

108 30.6 68.4 102.6#

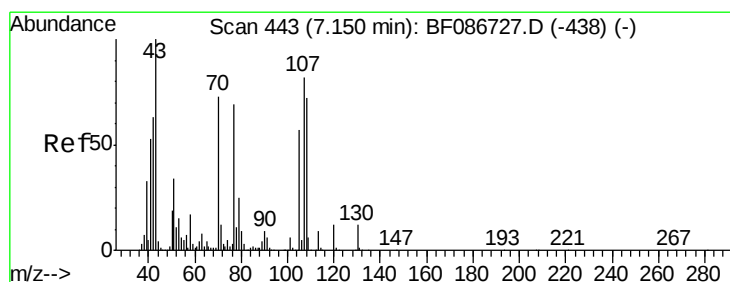
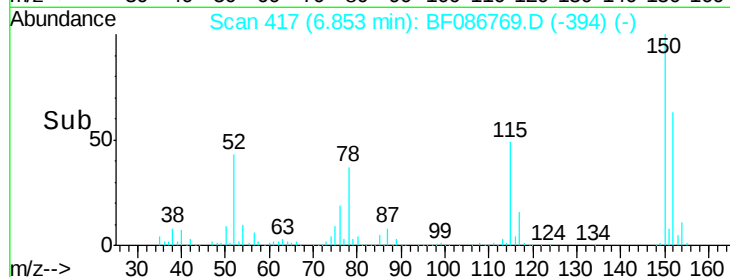
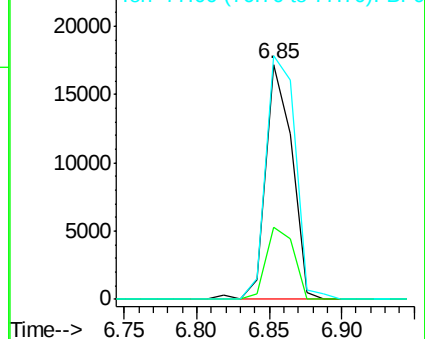
77 103.6 50.6 76.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.14 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Tgt Ion: 70 Resp: 180415

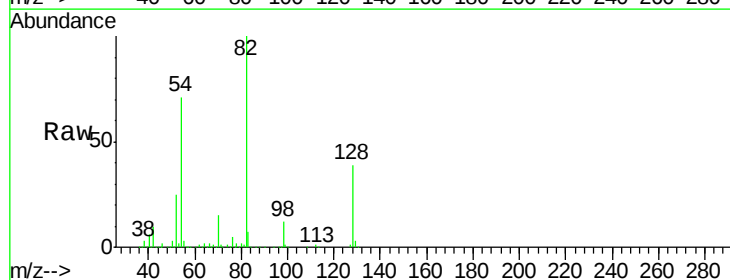
Ion Ratio Lower Upper

70 100

42 68.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

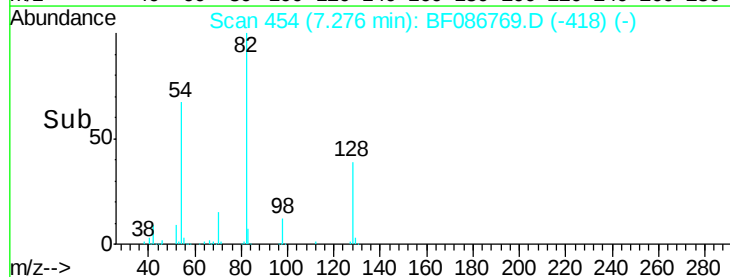
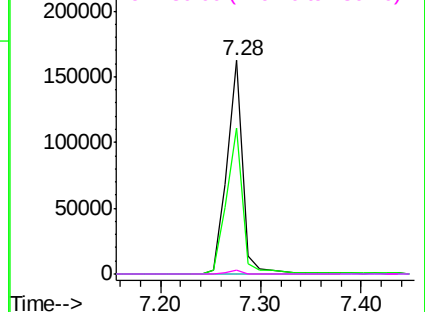


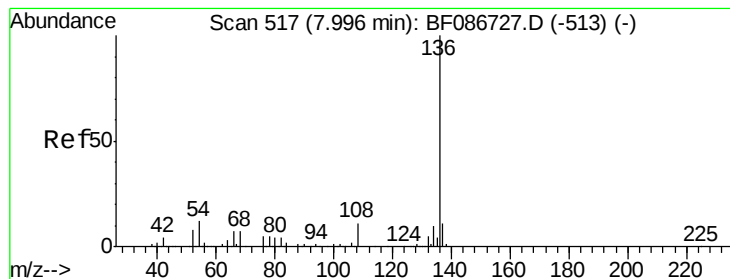
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampleId :

MWHR(2-6)

Tgt Ion:136 Resp: 728584

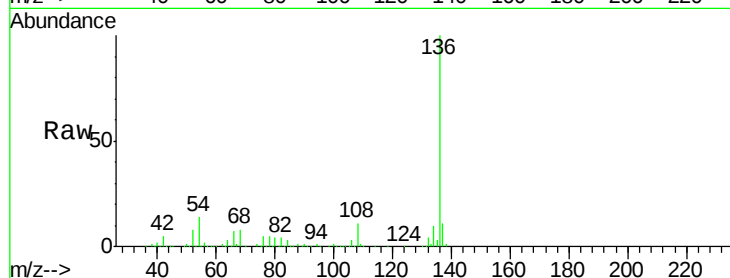
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 14.2 5.0 7.4#

68 7.5 4.4 6.6#

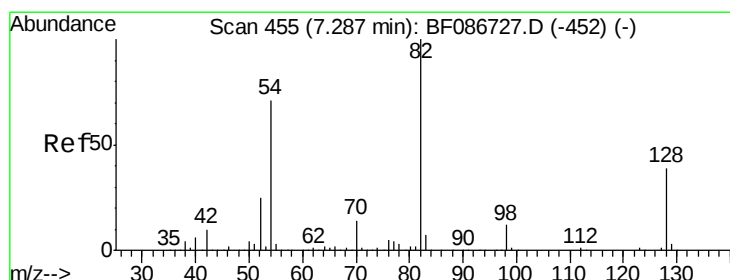
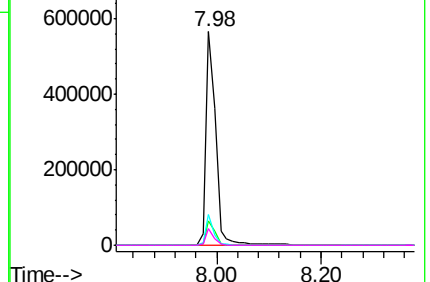
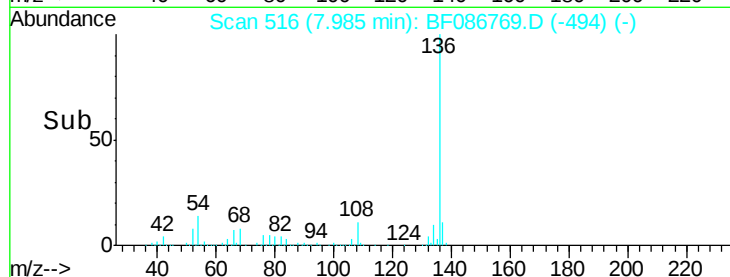


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.48 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

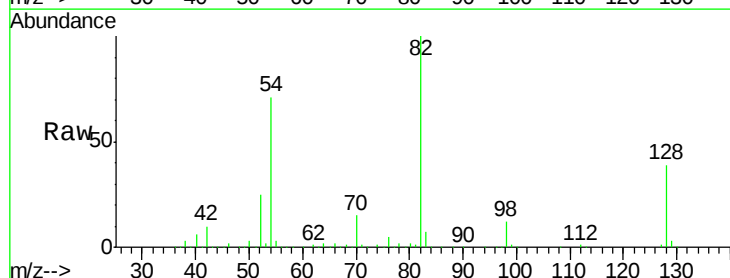
Tgt Ion: 82 Resp: 1268720

Ion Ratio Lower Upper

82 100

128 39.2 40.6 61.0#

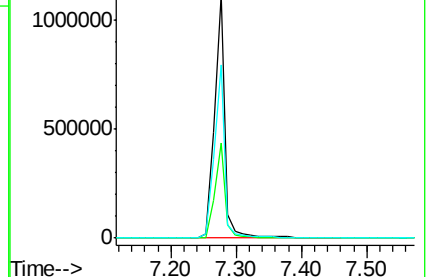
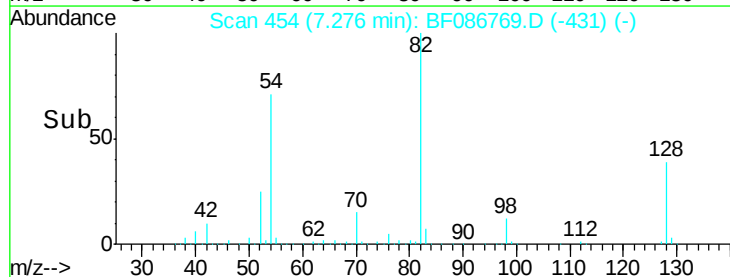
54 71.1 38.1 57.1#

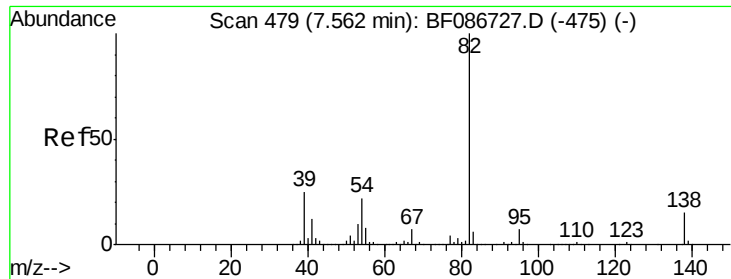


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.28 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampleId :

MWHR(2-6)

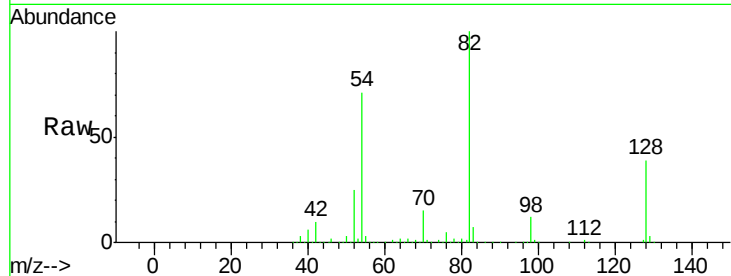
Tgt Ion: 82 Resp: 1221924

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

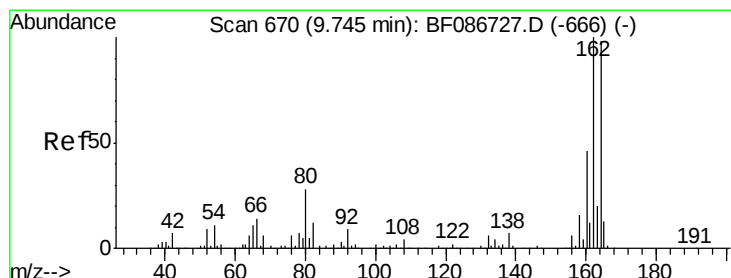
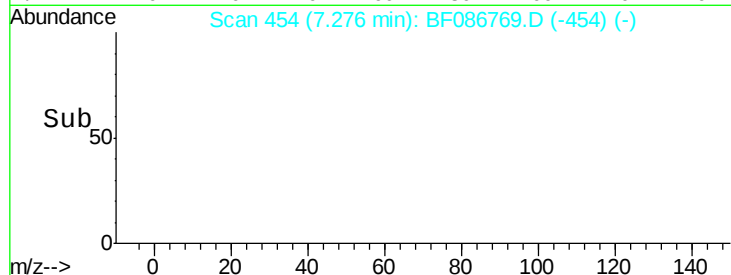
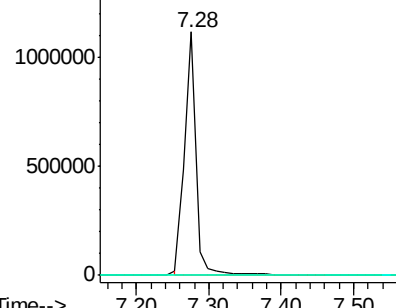
138 0.0 12.4 18.6#



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: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

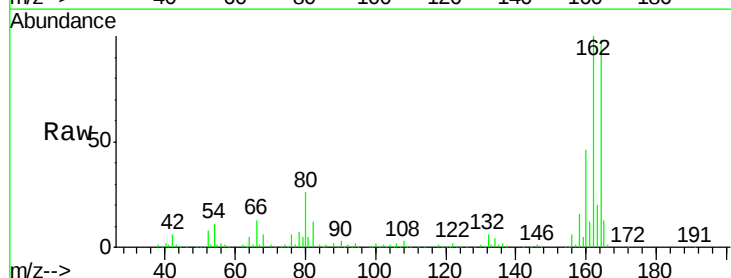
Tgt Ion: 164 Resp: 348512

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

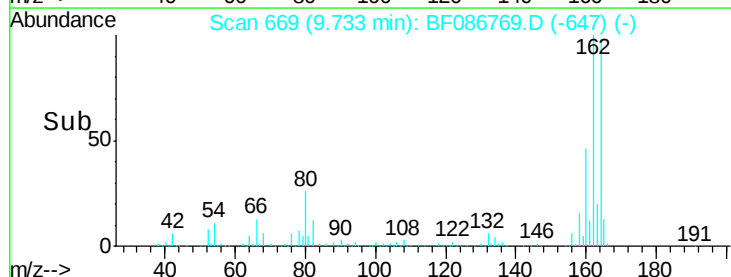
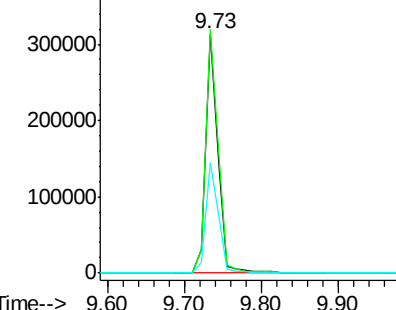
160 46.4 36.9 55.3

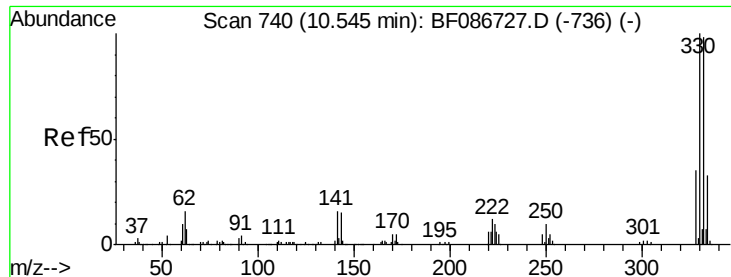


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

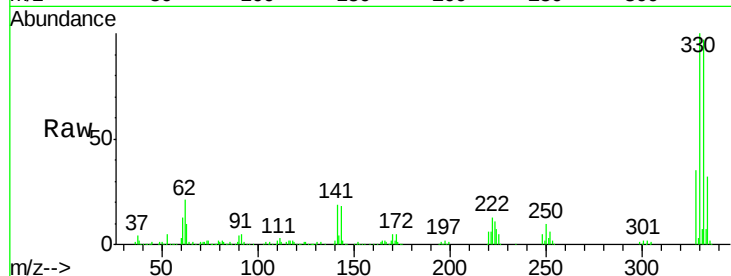




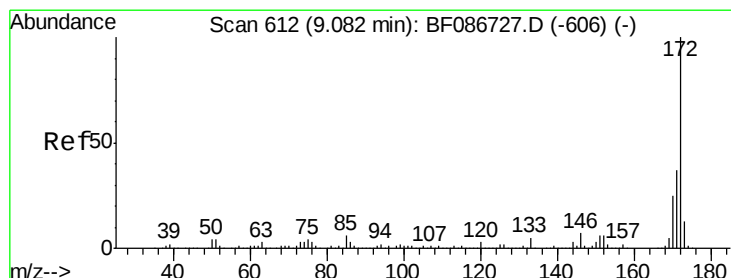
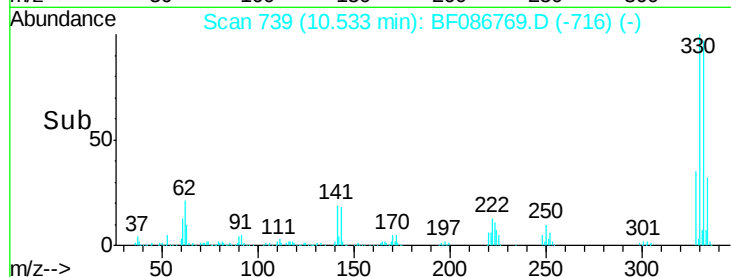
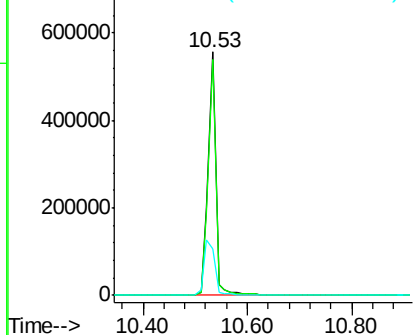
#41
 2,4,6-Tribromophenol
 Concen: 169.16 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

Instrument :
 BNA_F
 ClientSampleId :
 MWHR(2-6)

Tgt Ion:330 Resp: 576726
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.0 118.4
 141 32.1 31.2 46.8

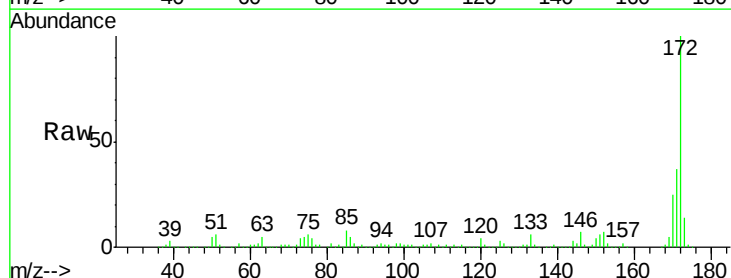


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

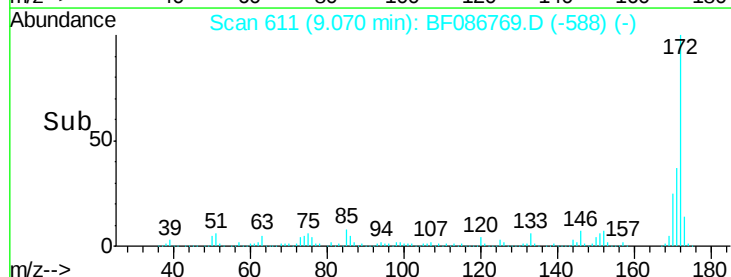
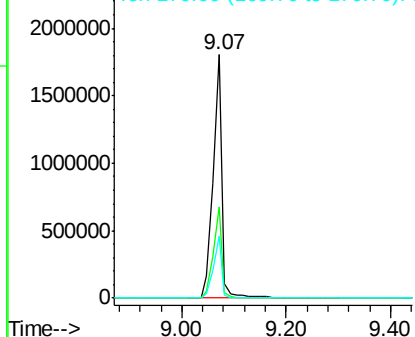


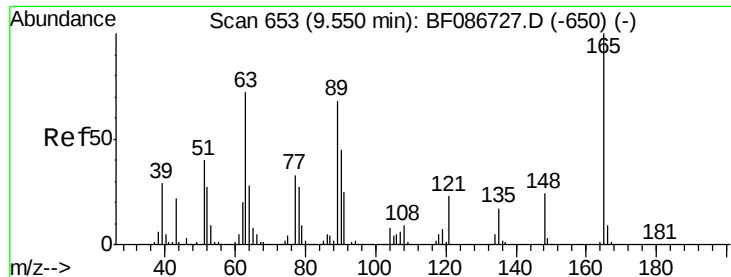
#44
 2-Fluorobiphenyl
 Concen: 99.83 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

Tgt Ion:172 Resp: 2122445
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.0 43.6
 170 25.5 19.8 29.8



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

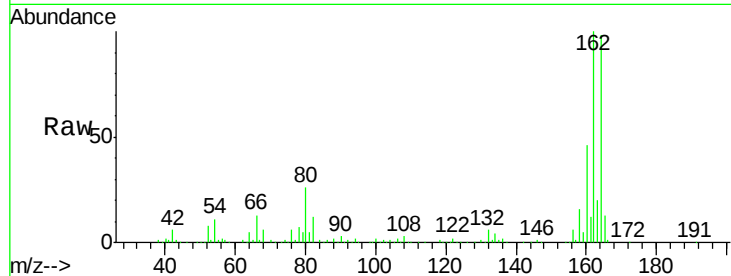




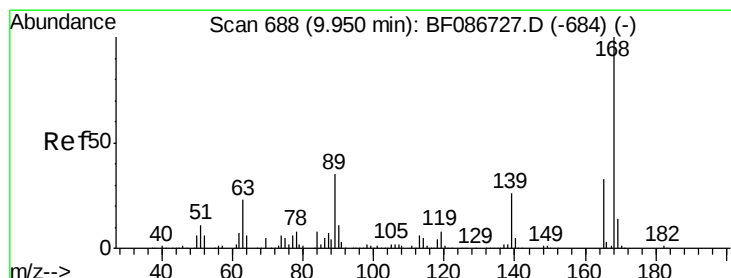
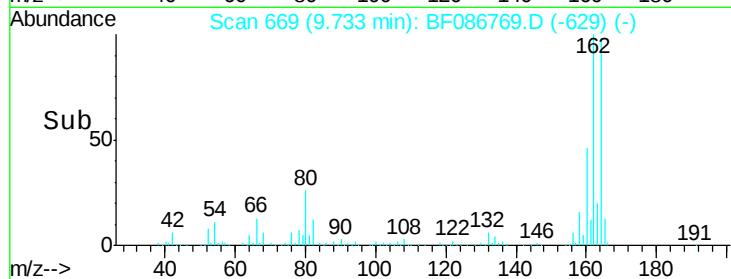
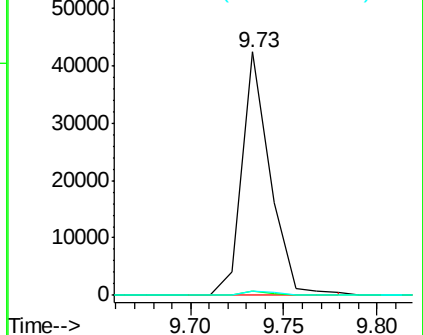
#50
 2,6-Dinitrotoluene
 Concen: 7.97 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

Instrument :
 BNA_F
 ClientSampled :
 MWHR(2-6)

Tgt Ion:165 Resp: 44433
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 1.8 50.7 76.1#

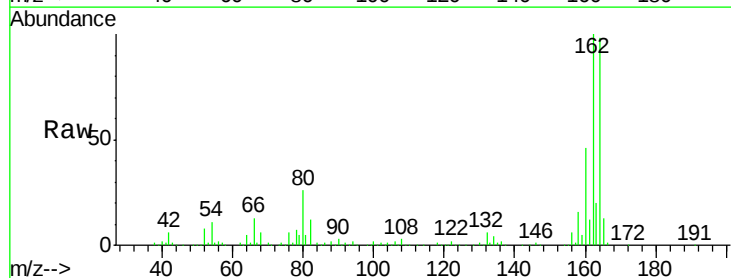


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

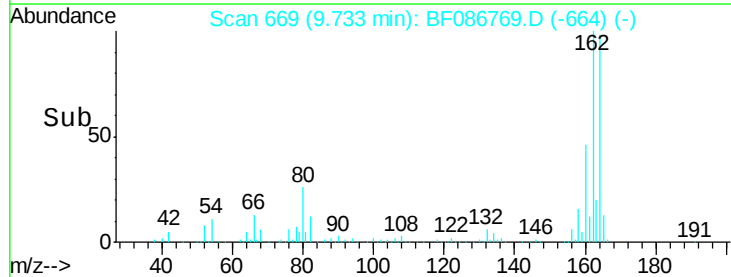
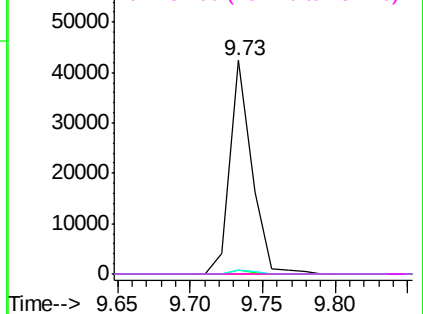


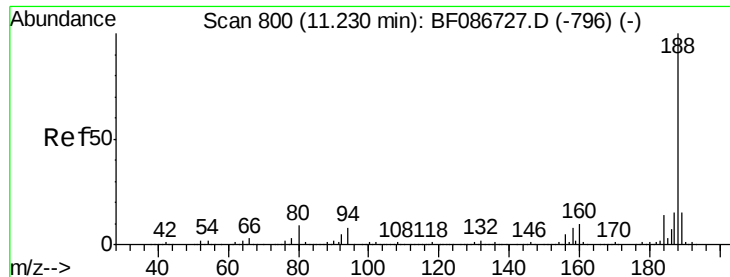
#56
 2,4-Dinitrotoluene
 Concen: 6.43 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

Tgt Ion:165 Resp: 44427
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 1.8 70.0 105.0#
 182 0.0 1.8 2.6#



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

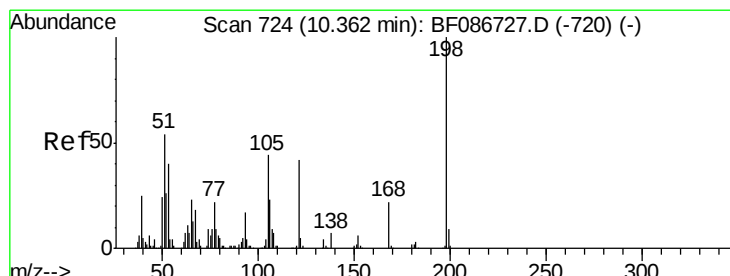
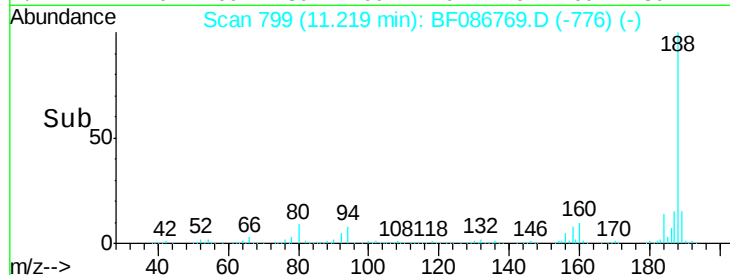
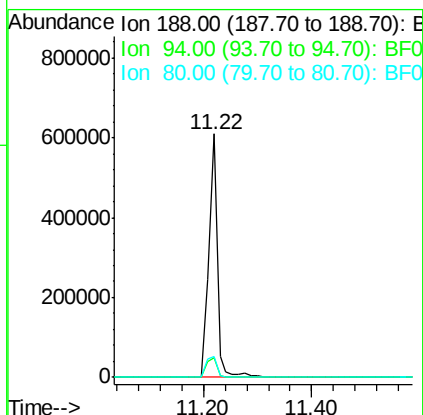
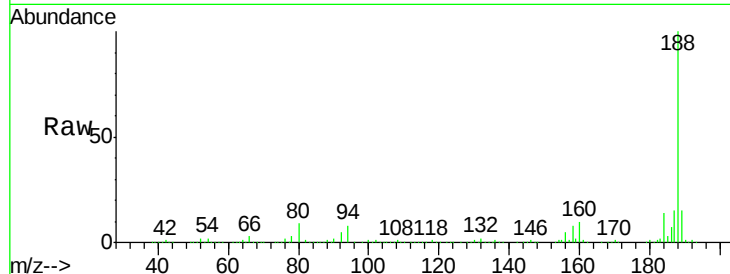




#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

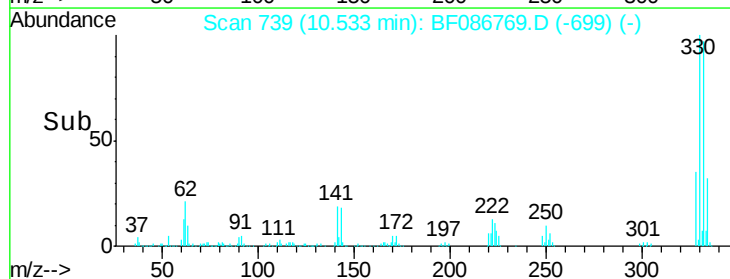
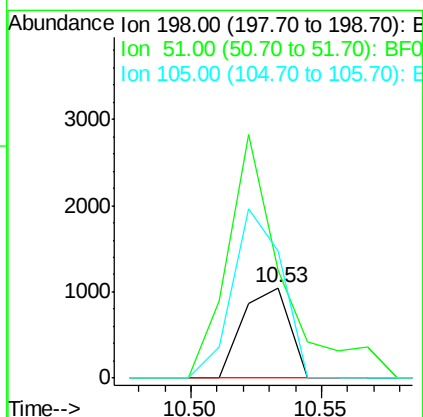
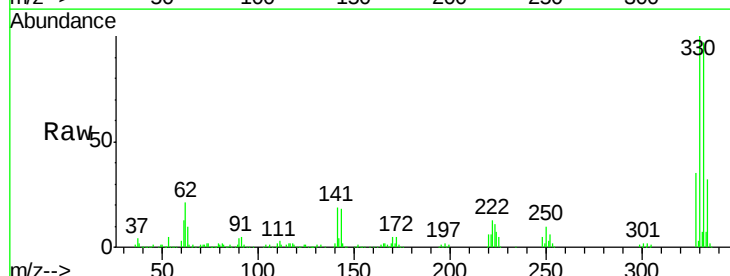
Instrument :
 BNA_F
 ClientSampleId :
 MWHR(2-6)

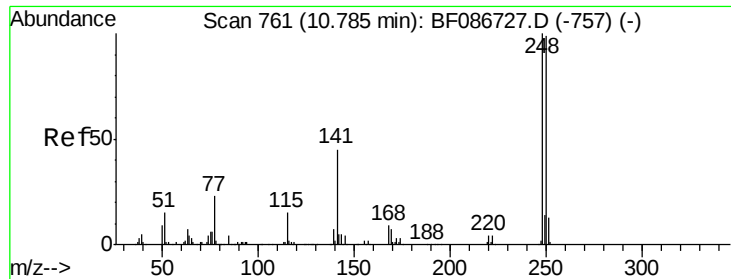
Tgt Ion:188 Resp: 665942
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.8 10.2
 80 8.6 7.1 10.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.66 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.16 min
 Lab File: BF086769.D
 Acq: 7 May 2016 12:51

Tgt Ion:198 Resp: 1315
 Ion Ratio Lower Upper
 198 100
 51 119.1 20.5 60.5#
 105 140.9 24.5 64.5#





#66

4-Bromophenyl-phenylether

Concen: 5.14 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.27 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampleId :

MWHR(2-6)

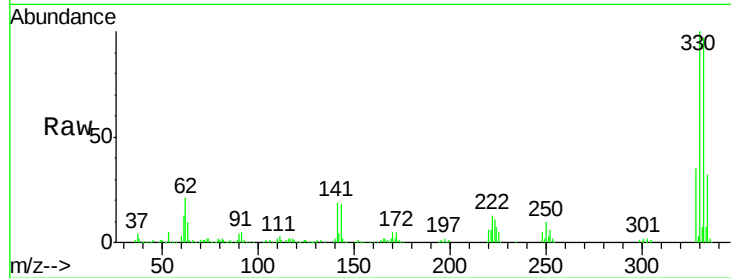
Tgt Ion:248 Resp: 34040

Ion Ratio Lower Upper

248 100

250 198.1 78.6 117.8#

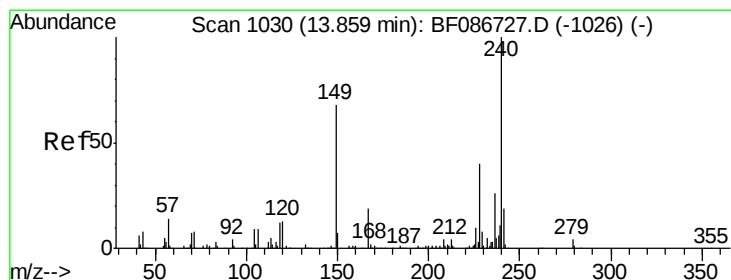
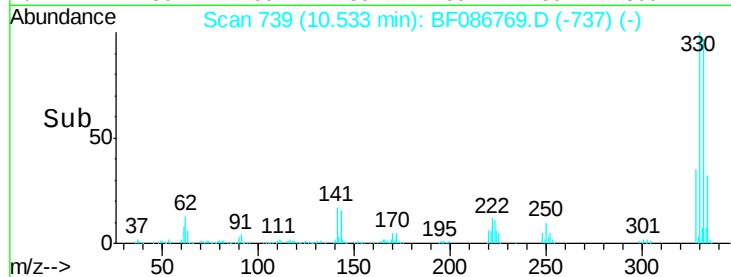
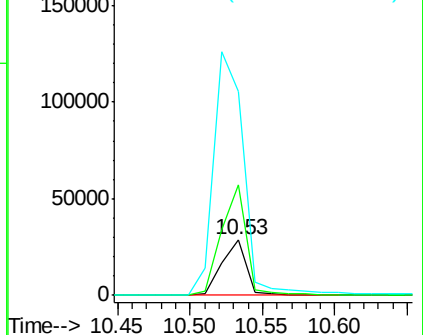
141 364.5 76.0 114.0#



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: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

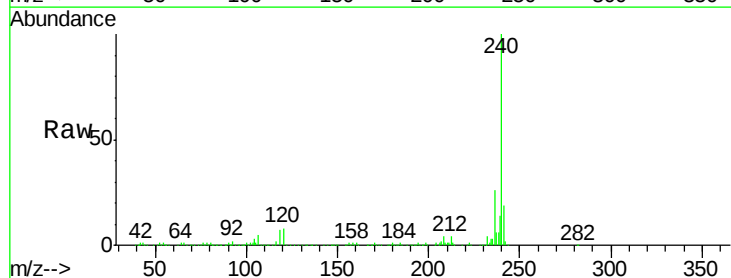
Tgt Ion:240 Resp: 452660

Ion Ratio Lower Upper

240 100

120 8.3 11.2 16.8#

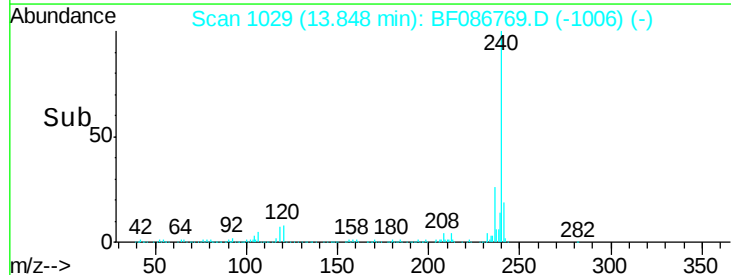
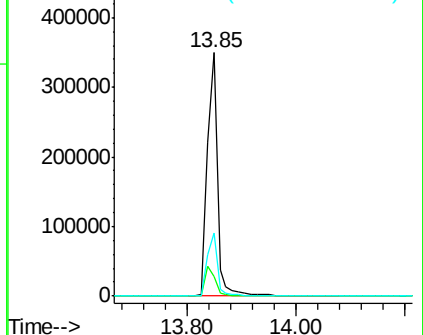
236 25.8 21.2 31.8

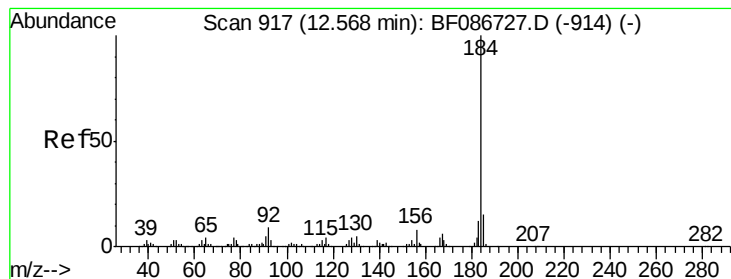


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 8.75 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.21 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

Instrument :

BNA_F

ClientSampleId :

MWHR(2-6)

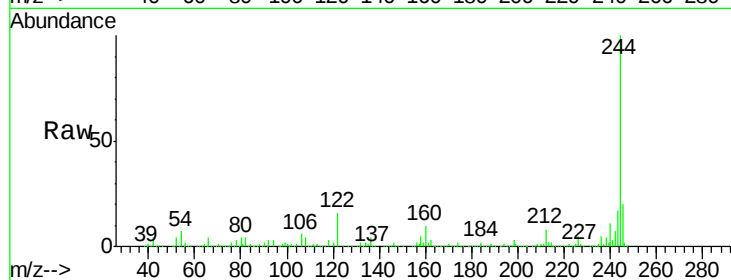
Tgt Ion:184 Resp: 24086

Ion Ratio Lower Upper

184 100

185 17.9 13.6 20.4

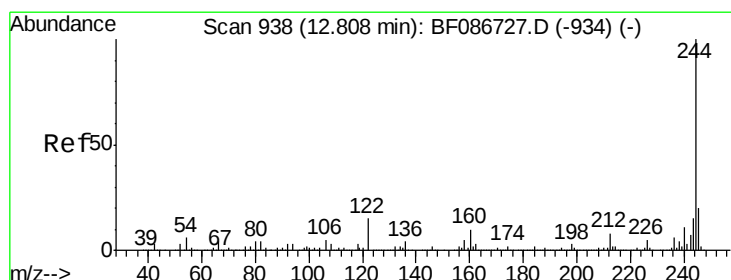
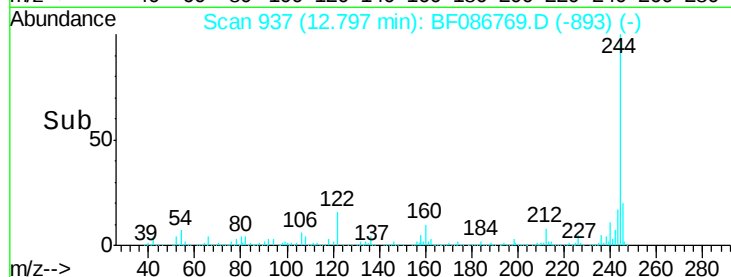
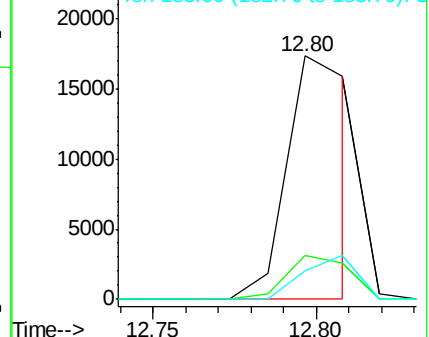
183 11.7 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 71.67 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086769.D

Acq: 7 May 2016 12:51

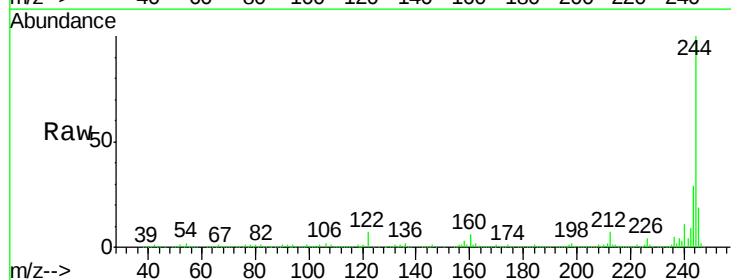
Tgt Ion:244 Resp: 1605243

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

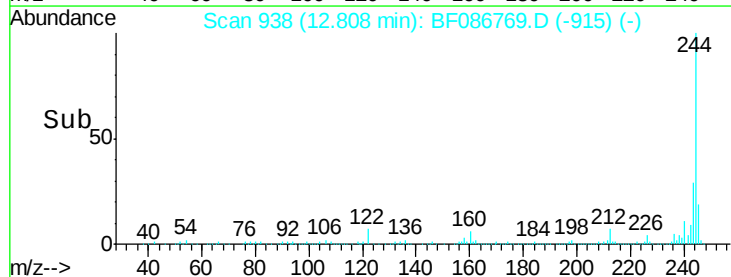
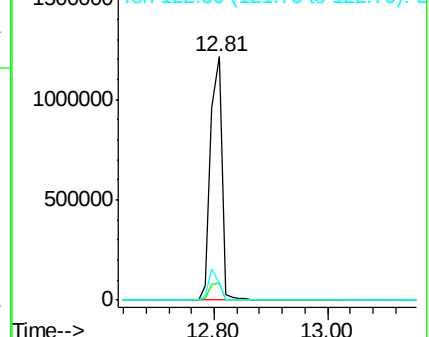
122 7.0 12.0 18.0#

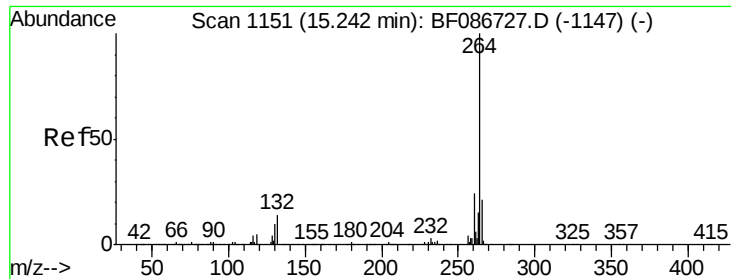


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

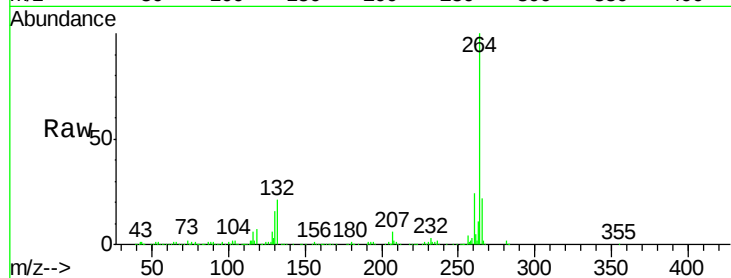




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF086769.D
Acq: 7 May 2016 12:51

Instrument :
BNA_F
ClientSampleId :
MWHR(2-6)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.8	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

