

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086073.D
 Acq On : 5 Apr 2016 9:16
 Operator : UM/SJ
 Sample : H2104-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 05 11:30:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

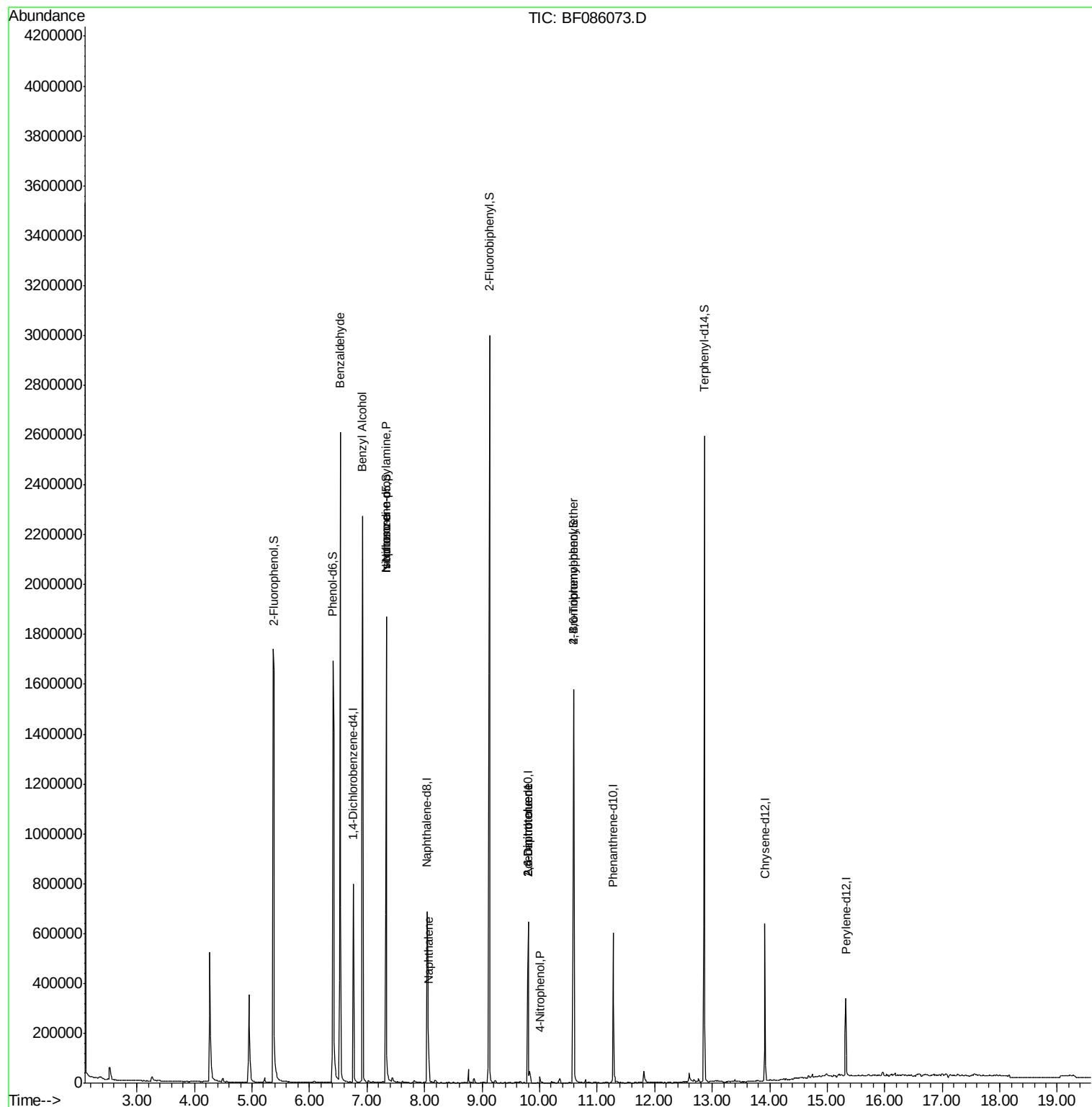
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	115129	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	407620	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	159649	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	257262	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	203712	20.00	ng	-0.01
86) Perylene-d12	15.32	264	138817	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	839939	124.70	ng	0.01
7) Phenol-d6	6.41	99	957470	111.92	ng	-0.01
23) Nitrobenzene-d5	7.33	82	671917	97.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	201203	134.27	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1113583	115.98	ng	-0.01
78) Terphenyl-d14	12.87	244	766980	88.50	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.53	77	17635	3.83	ng	Qvalue 81
15) Benzyl Alcohol	6.92	79	11188	2.02	ng	# 41
19) n-Nitroso-di-n-propylamine	7.33	70	87815	16.56	ng	# 78
25) Isophorone	7.33	82	668337	48.98	ng	# 68
31) Naphthalene	8.06	128	102906	5.02	ng	98
50) 2,6-Dinitrotoluene	9.80	165	20318	8.12	ng	# 20
55) 4-Nitrophenol	10.01	139	4334	2.44	ng	# 10
56) 2,4-Dinitrotoluene	9.80	165	20318	6.42	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	13699	5.22	ng	# 1

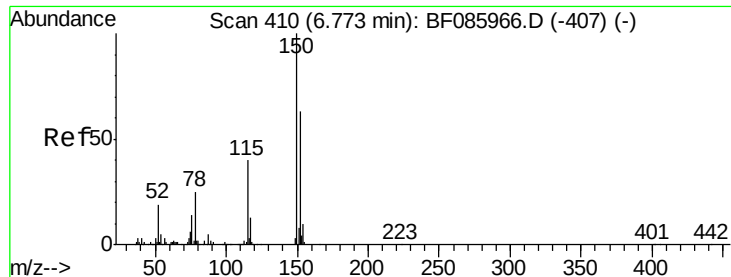
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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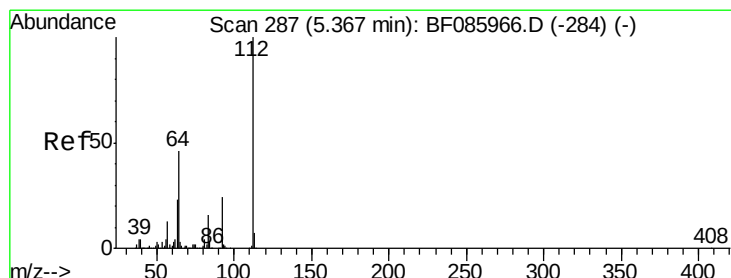
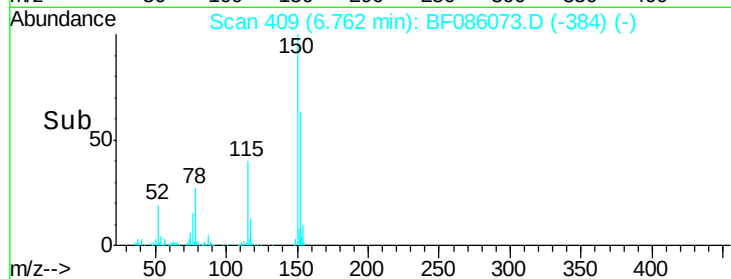
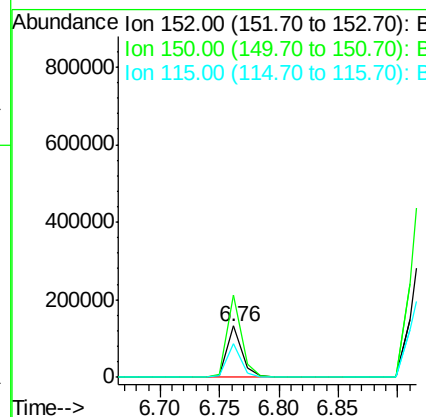
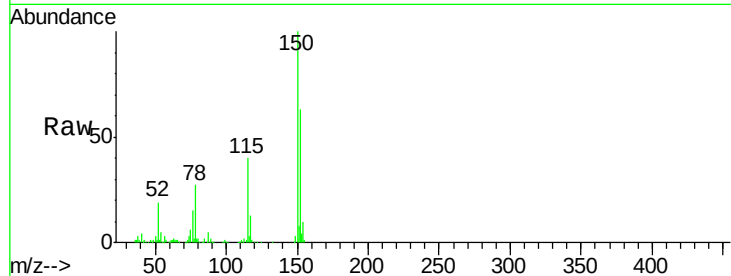




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.76 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF086073.D
 Acq: 5 Apr 2016 9:16

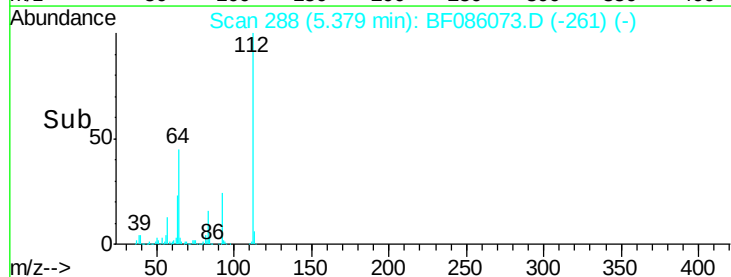
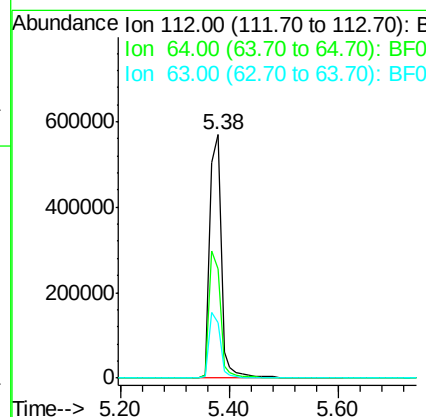
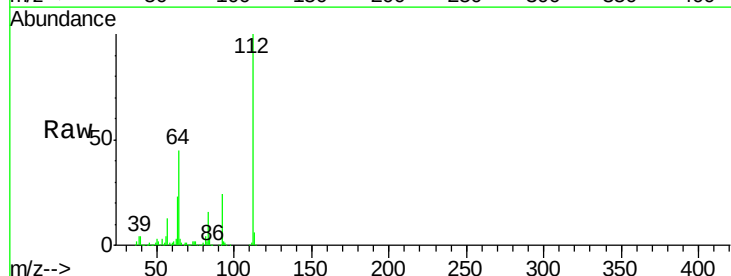
Instrument :
 BNA_F
 ClientSampled :
 WC-1

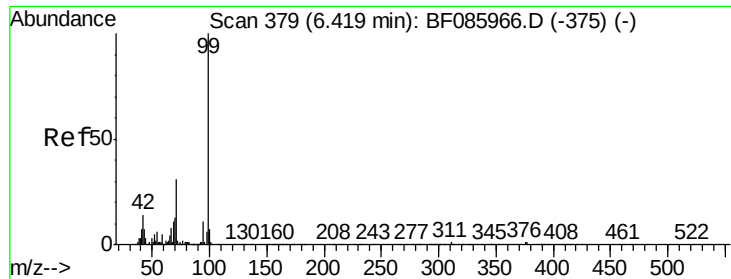
Tot Ion:152 Resp: 115129
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.2 186.2
 115 64.5 47.0 70.6



#5
 2-Fluorophenol
 Concen: 124.70 ng
 RT: 5.38 min Scan# 288
 Delta R.T. 0.01 min
 Lab File: BF086073.D
 Acq: 5 Apr 2016 9:16

Tgt Ion:112 Resp: 839939
 Ion Ratio Lower Upper
 112 100
 64 44.6 39.9 59.9
 63 23.0 20.2 30.2





#7

Phenol-d6

Concen: 111.92 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Instrument :

BNA_F

ClientSampleId :

WC-1

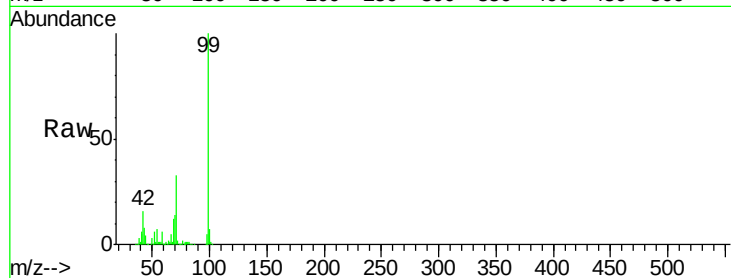
Tot Ion: 99 Resp: 957470

Ion Ratio Lower Upper

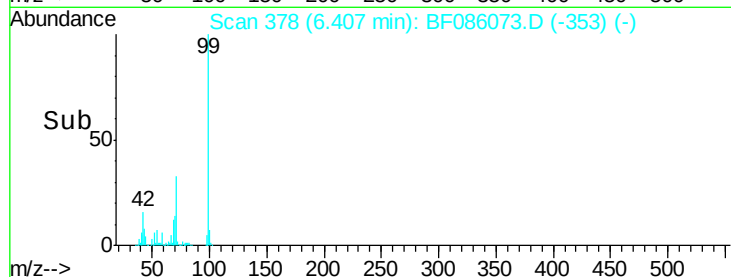
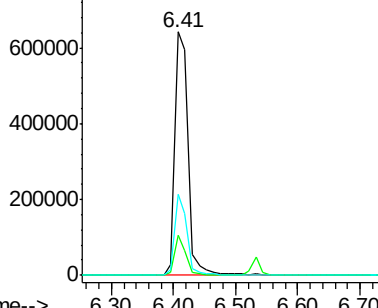
99 100

42 16.4 11.1 16.7

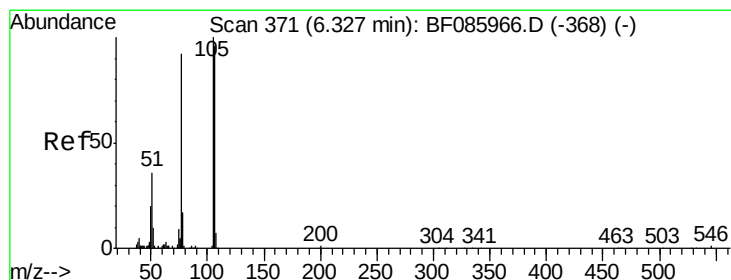
71 33.2 24.9 37.3



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



Time-->



#9

Benzaldehyde

Concen: 3.83 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

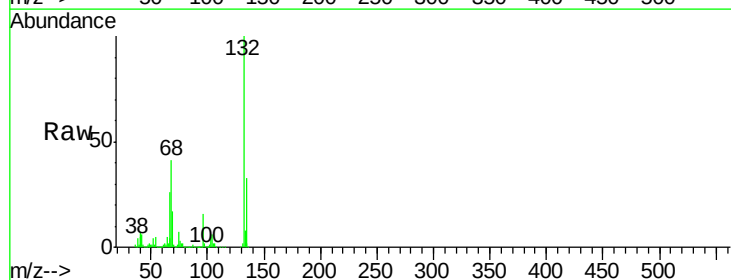
Tgt Ion: 77 Resp: 17635

Ion Ratio Lower Upper

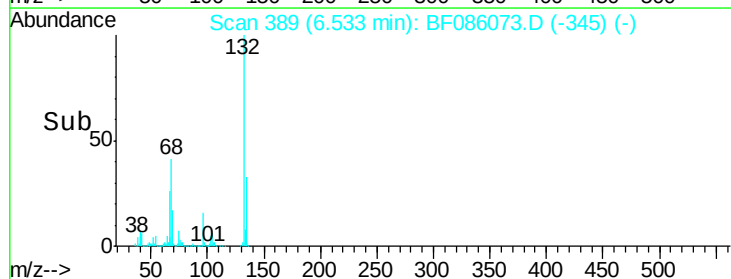
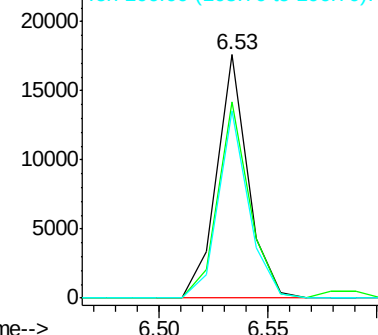
77 100

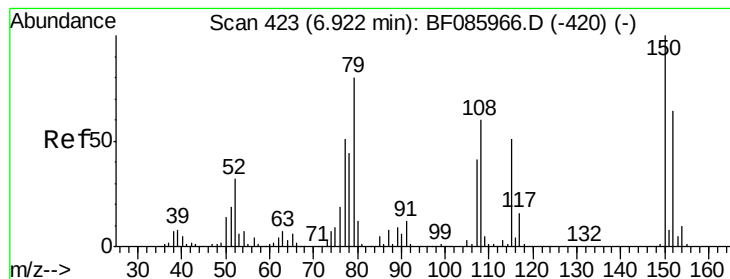
105 80.9 80.1 120.1

106 77.1 75.0 115.0



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: 2.02 ng

RT: 6.92 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Instrument :

BNA_F

ClientSampleId :

WC-1

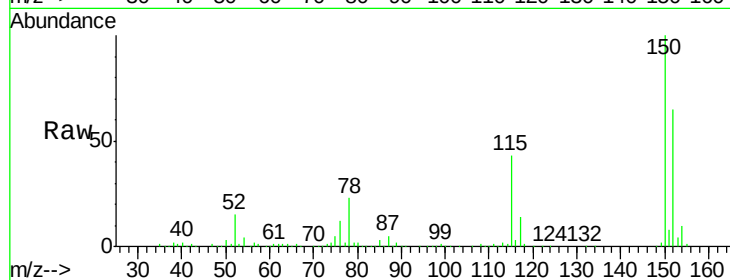
Tot Ion: 79 Resp: 11188

Ion Ratio Lower Upper

79 100

108 38.7 61.8 92.6#

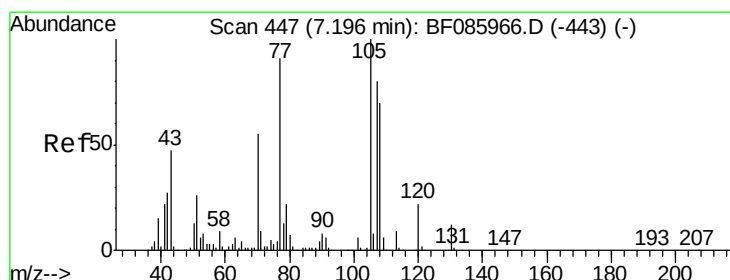
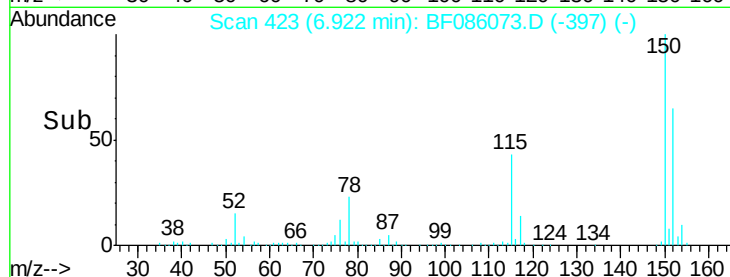
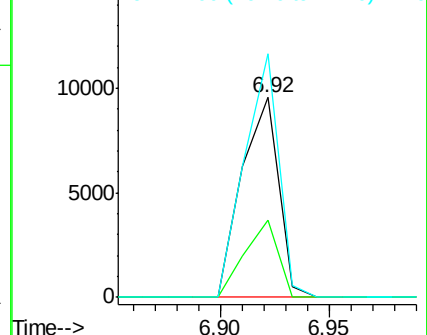
77 121.9 49.6 74.4#



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: 16.56 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.14 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Tgt Ion: 70 Resp: 87815

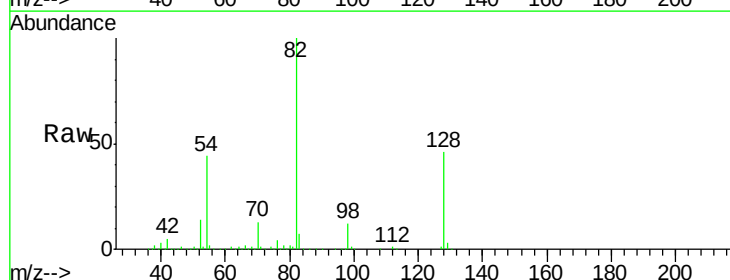
Ion Ratio Lower Upper

70 100

42 40.4 37.1 55.7

101 0.0 8.6 12.8#

130 2.5 19.6 29.4#

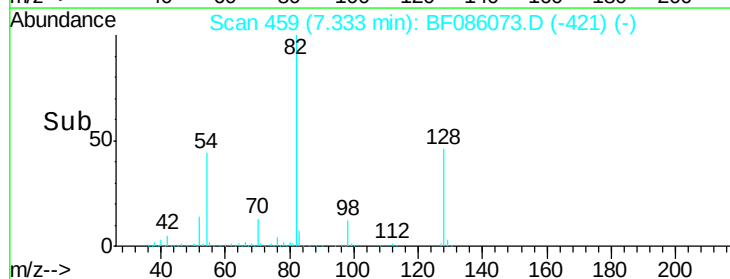
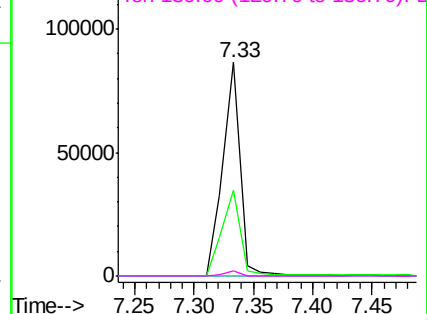


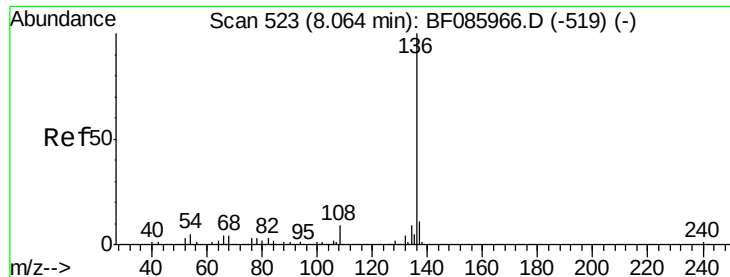
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

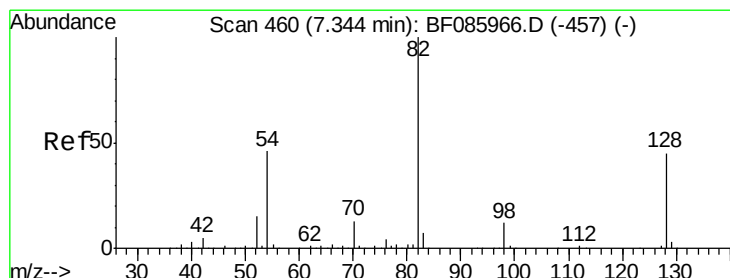
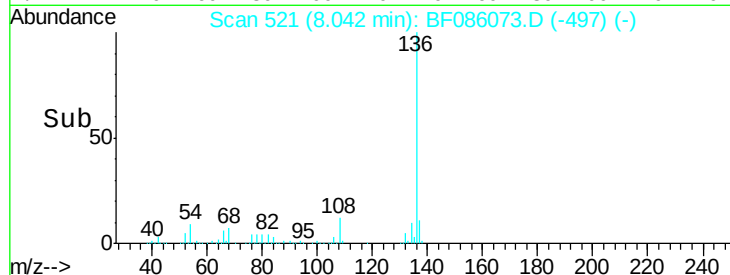
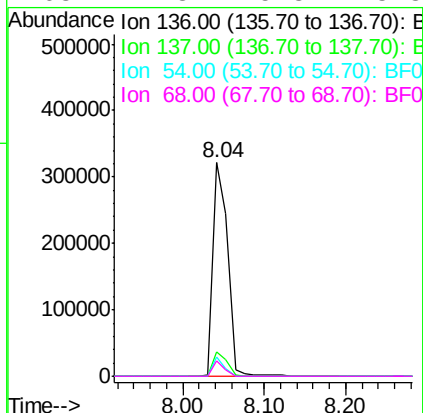
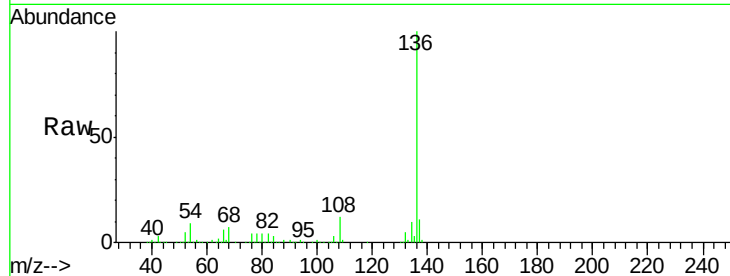




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

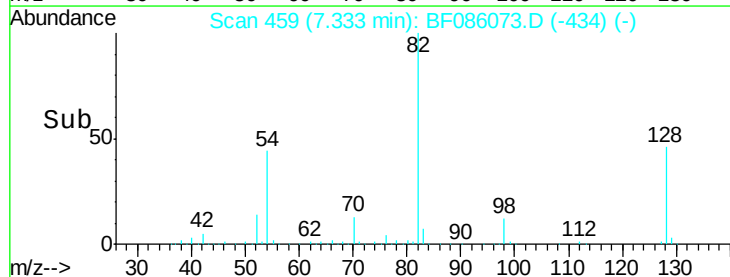
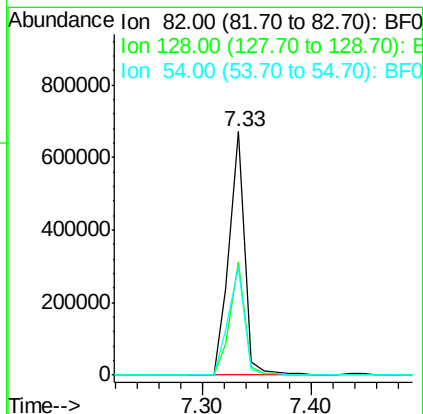
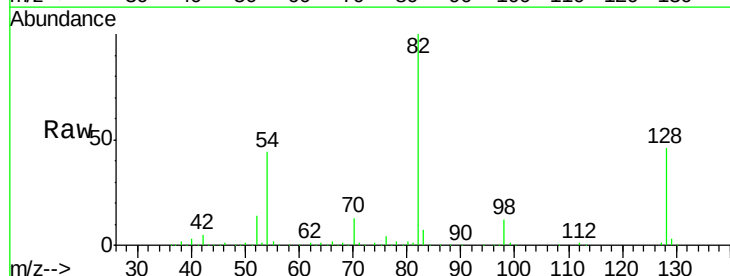
Instrument :
BNA_F
ClientSampleId :
WC-1

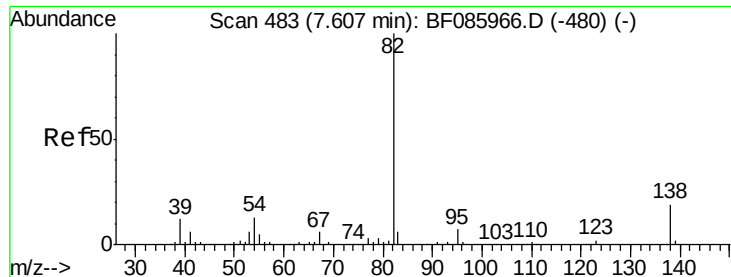
Tot Ion:136	Resp:	407620
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.1 13.7
54	9.1	7.4 11.0
68	7.3	5.8 8.8



#23
Nitrobenzene-d5
Concen: 97.21 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Tgt Ion: 82	Resp:	671917
Ion	Ratio	Lower Upper
82	100	
128	46.2	41.8 62.8
54	44.3	33.4 50.0





#25

Isophorone

Concen: 48.98 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.27 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Instrument :

BNA_F

ClientSampleId :

WC-1

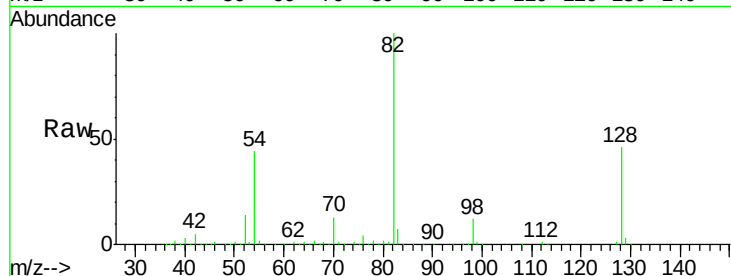
Tot Ion: 82 Resp: 668337

Ion Ratio Lower Upper

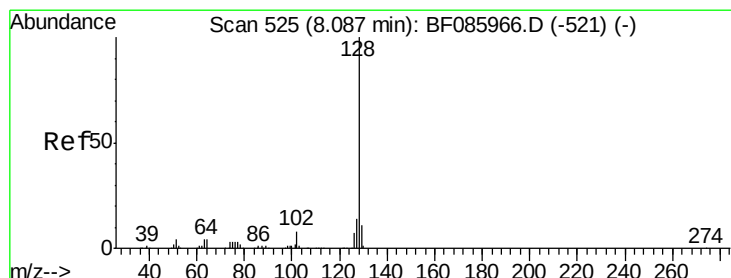
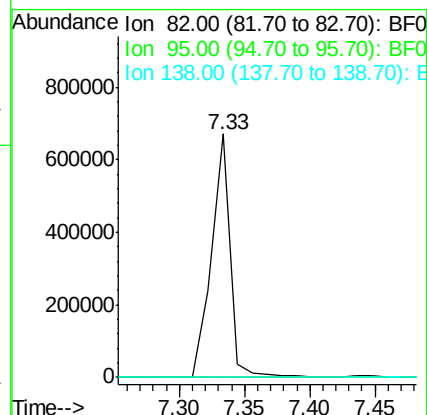
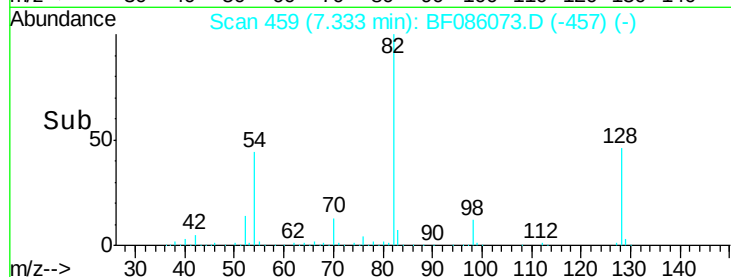
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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



#31

Naphthalene

Concen: 5.02 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

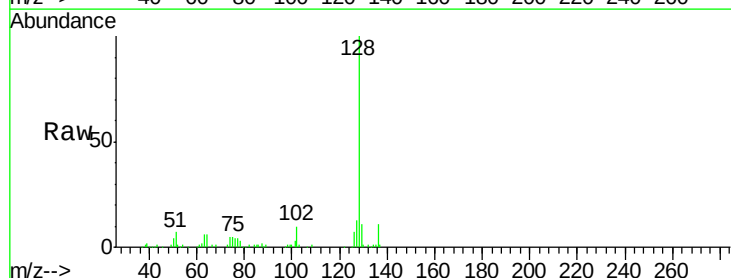
Tgt Ion: 128 Resp: 102906

Ion Ratio Lower Upper

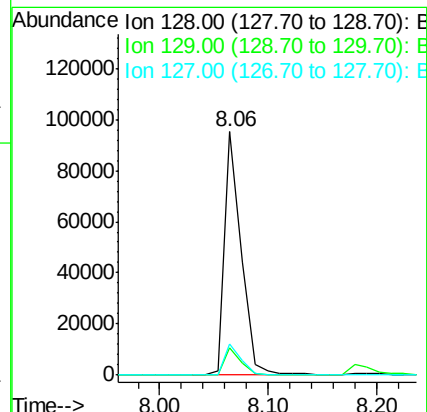
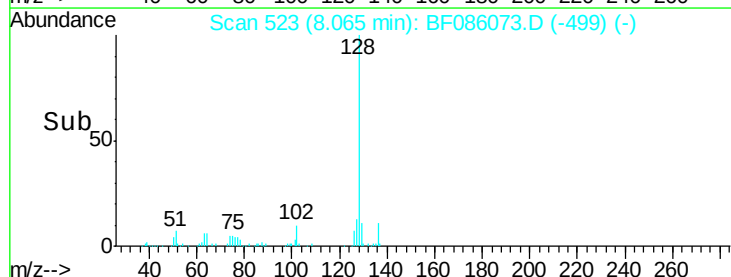
128 100

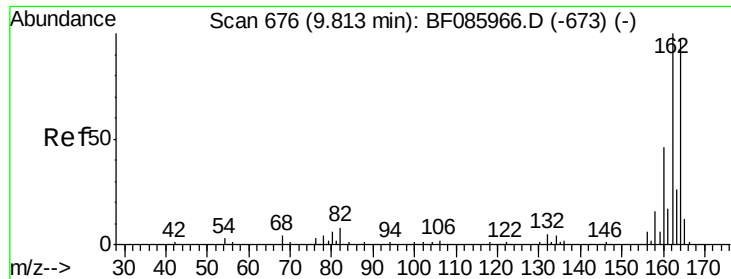
129 11.3 9.4 14.0

127 12.8 11.0 16.6



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Instrument :

BNA_F

ClientSampleId :

WC-1

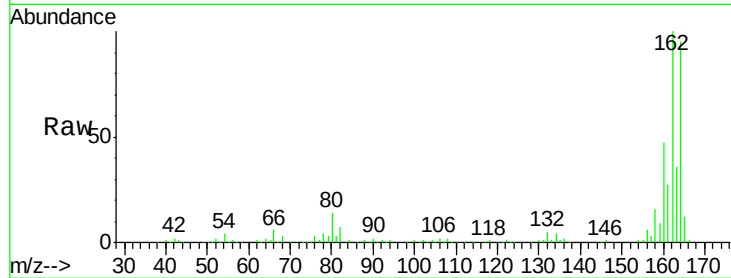
Tot Ion:164 Resp: 159649

Ion Ratio Lower Upper

164 100

162 104.8 82.1 123.1

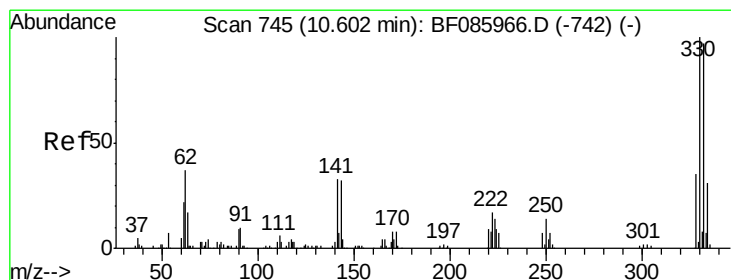
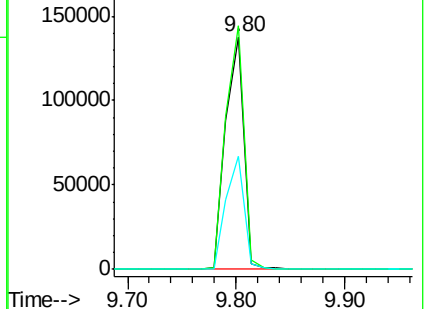
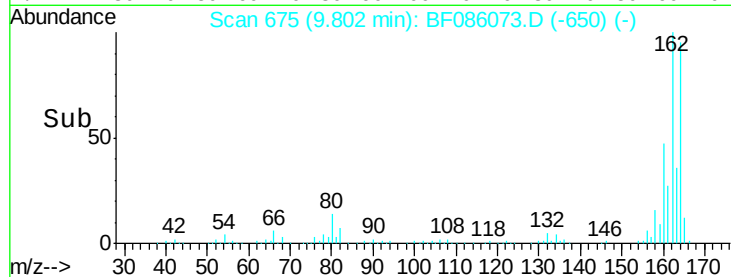
160 48.8 37.4 56.2



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: 134.27 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

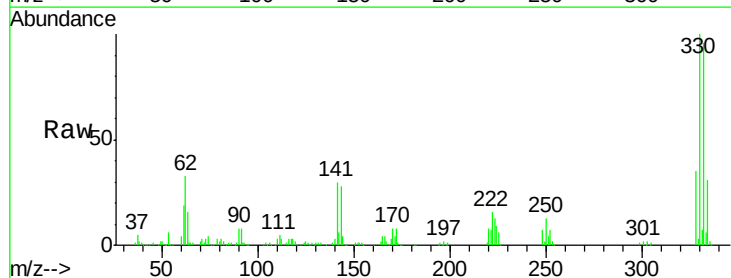
Tgt Ion:330 Resp: 201203

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.2

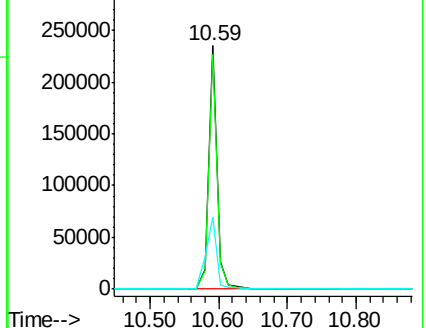
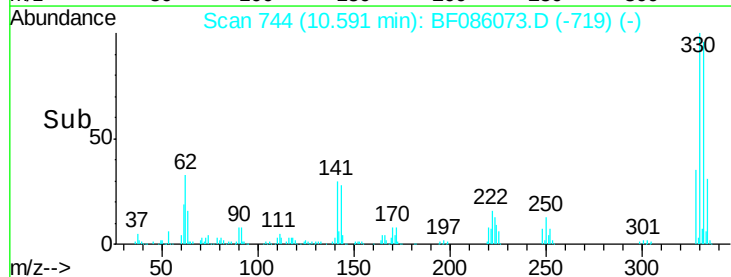
141 38.1 31.5 47.3

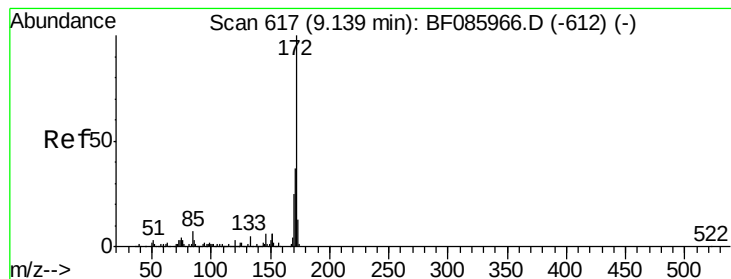


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

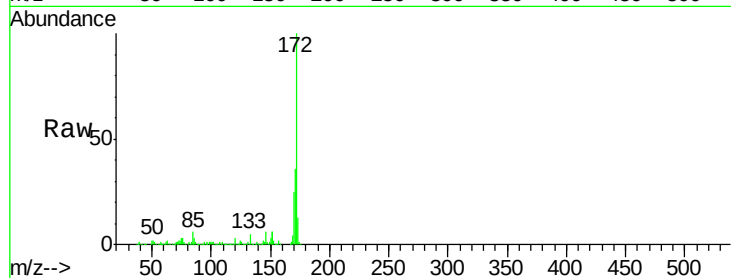




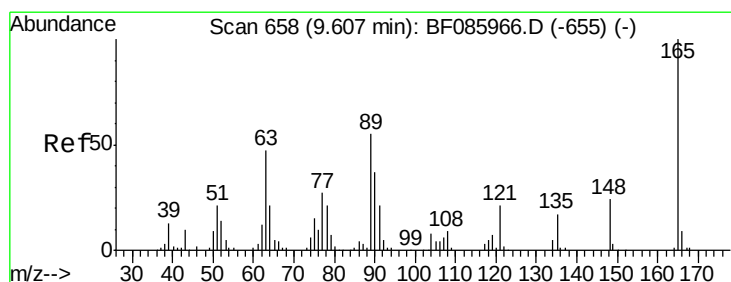
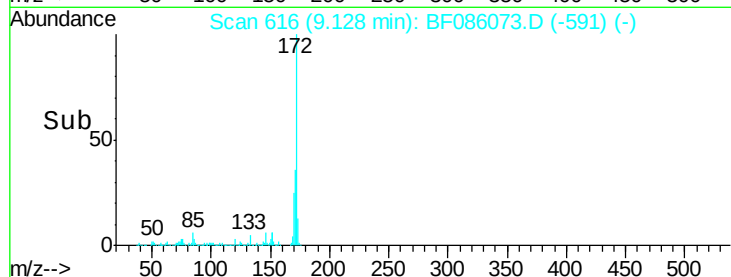
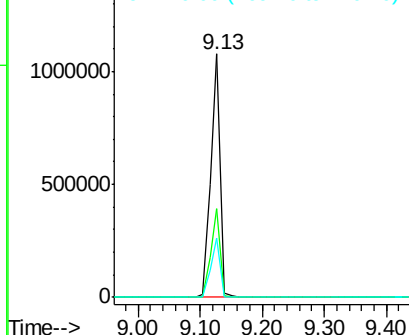
#44
2-Fluorobiphenyl
Concen: 115.98 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion:172 Resp: 1113583
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.2
170 24.6 19.8 29.6

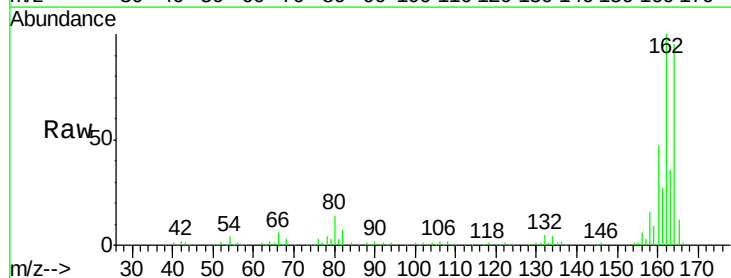


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

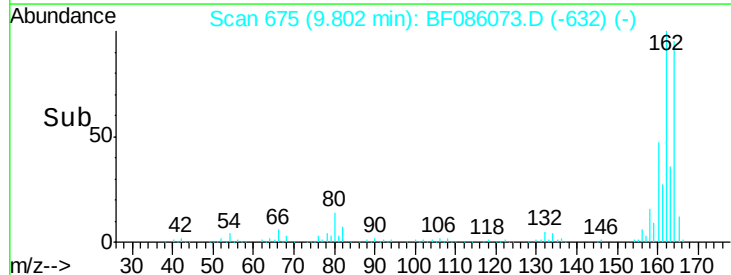
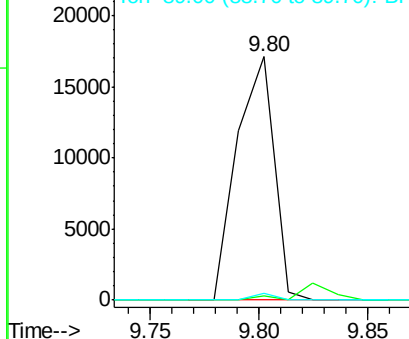


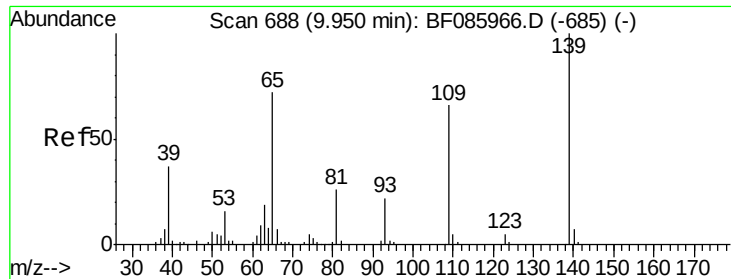
#50
2,6-Dinitrotoluene
Concen: 8.12 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.19 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Tgt Ion:165 Resp: 20318
Ion Ratio Lower Upper
165 100
63 2.0 51.8 77.8#
89 2.5 53.7 80.5#



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

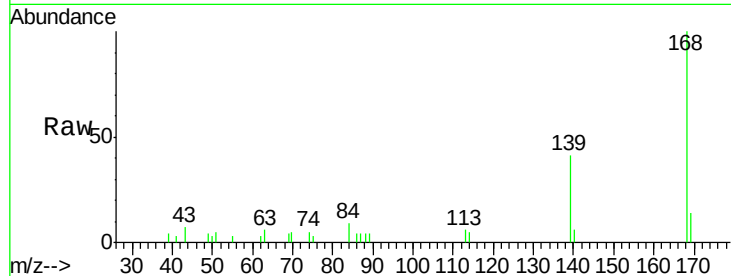




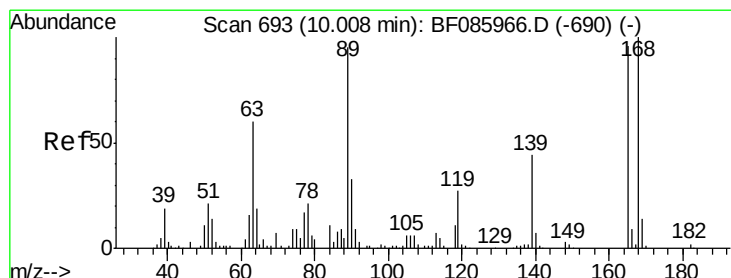
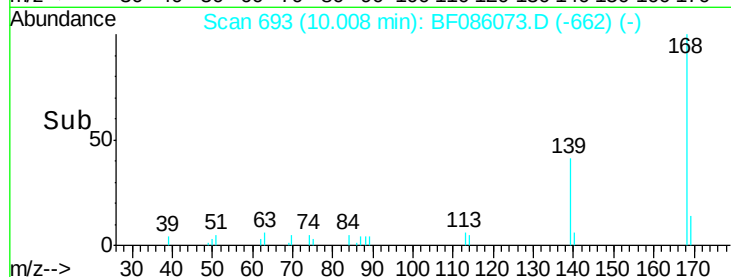
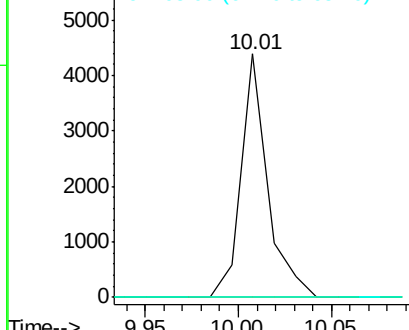
#55
4-Nitrophenol
Concen: 2.44 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.06 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion:139 Resp: 4334
Ion Ratio Lower Upper
139 100
109 0.0 49.2 89.2#
65 0.0 66.9 106.9#

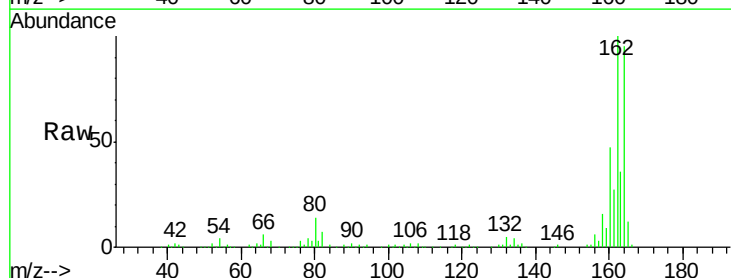


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

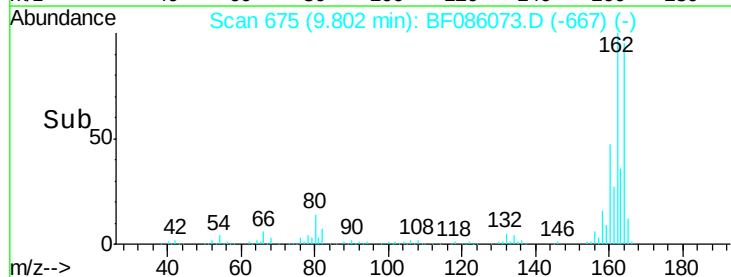
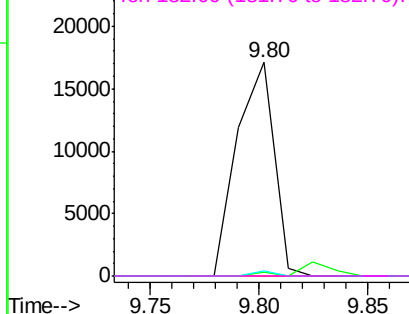


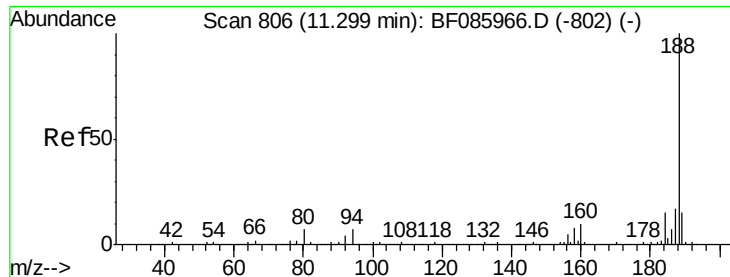
#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.21 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Tgt Ion:165 Resp: 20318
Ion Ratio Lower Upper
165 100
63 2.0 24.9 37.3#
89 2.5 41.0 61.6#
182 0.0 2.1 3.1#



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
Ion 182.00 (181.70 to 182.70): E

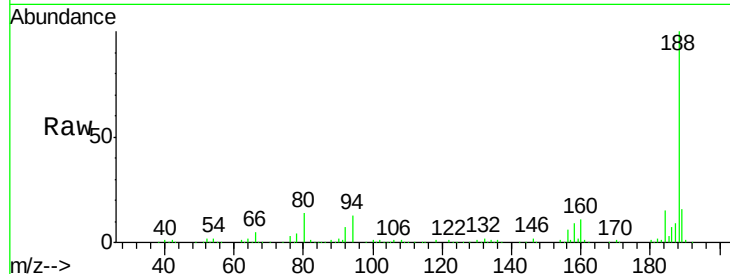




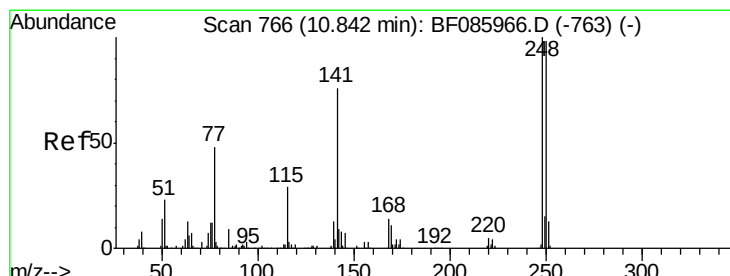
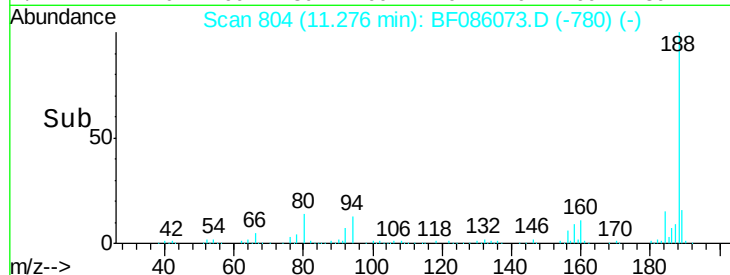
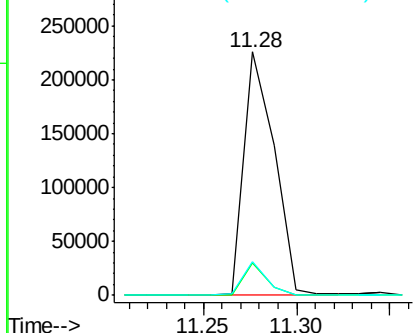
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF086073.D
 Acq: 5 Apr 2016 9:16

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion:188 Resp: 257262
 Ion Ratio Lower Upper
 188 100
 94 13.3 5.4 8.0#
 80 13.8 5.5 8.3#

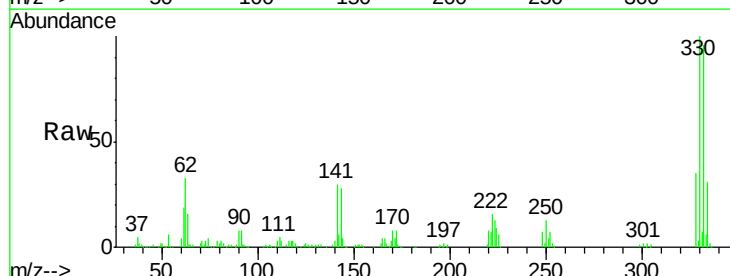


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

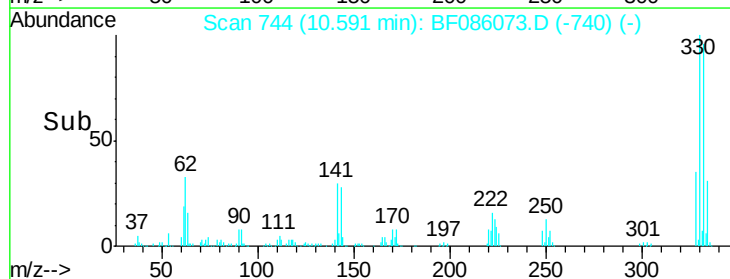
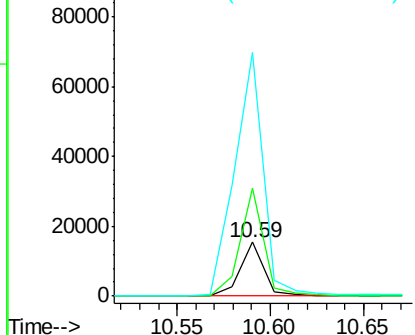


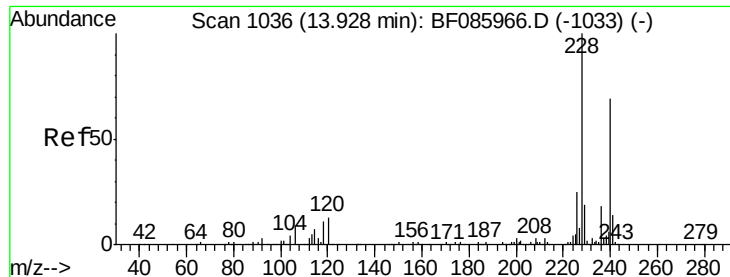
#66
 4-Bromophenyl-phenylether
 Concen: 5.22 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF086073.D
 Acq: 5 Apr 2016 9:16

Tgt Ion:248 Resp: 13699
 Ion Ratio Lower Upper
 248 100
 250 200.1 77.4 116.0#
 141 453.4 63.6 95.4#



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

Chrvsene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

Instrument :

BNA_F

ClientSampleId :

WC-1

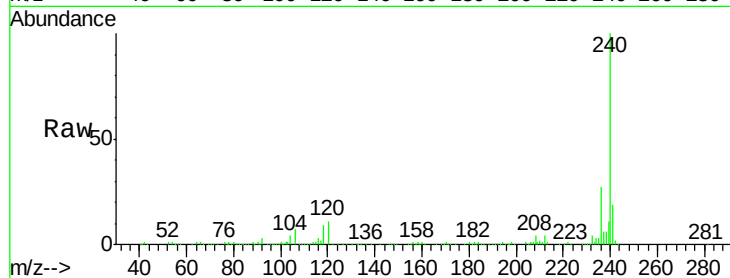
Tot Ion:240 Resp: 203712

Ion Ratio Lower Upper

240 100

120 11.1 13.8 20.8#

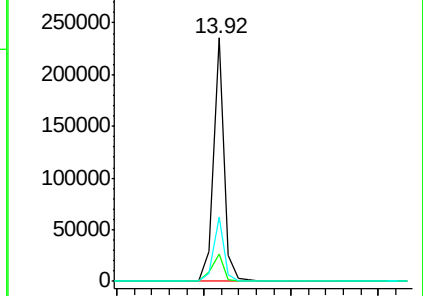
236 26.6 20.6 30.8



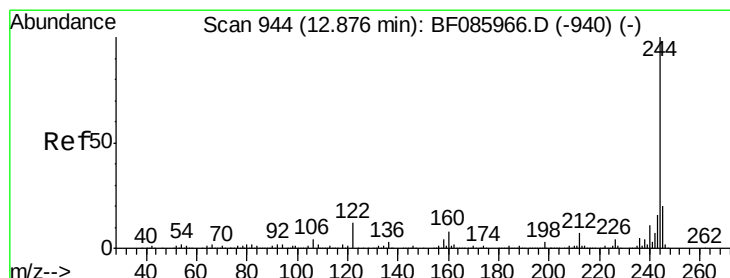
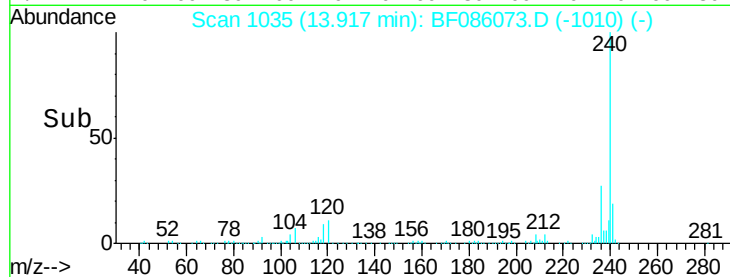
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.90 14.00 14.10



#78

Terphenyl-d14

Concen: 88.50 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086073.D

Acq: 5 Apr 2016 9:16

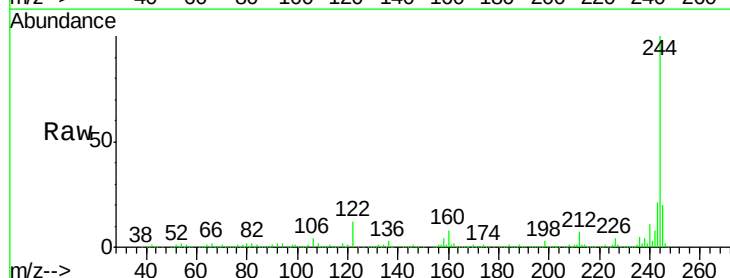
Tgt Ion:244 Resp: 766980

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

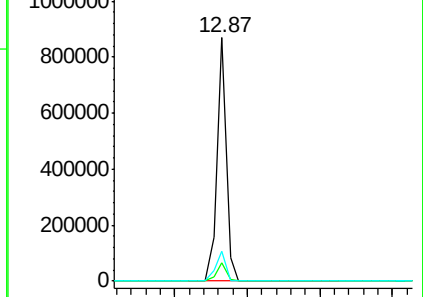
122 12.2 10.2 15.4



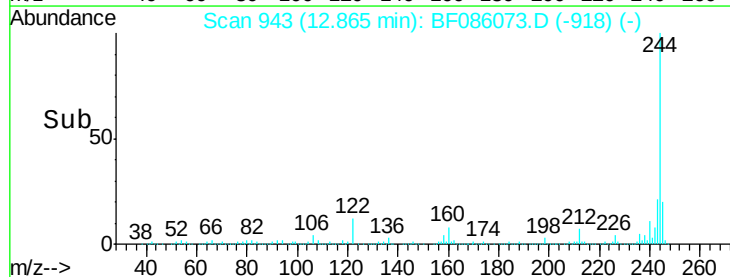
Abundance Ion 244.00 (243.70 to 244.70): E

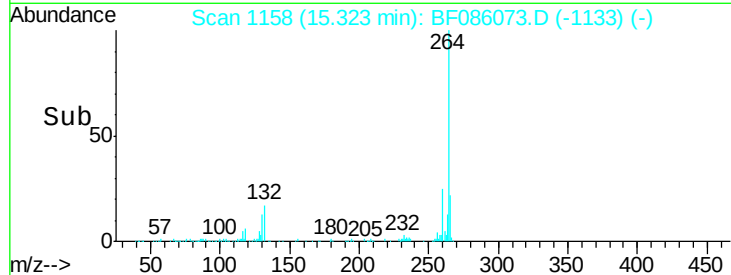
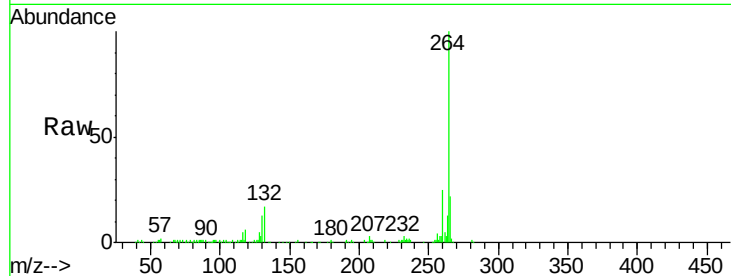
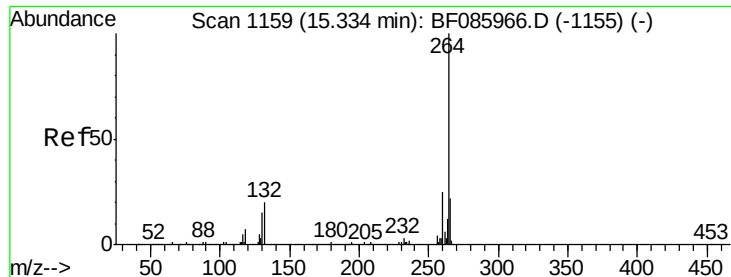
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.80 12.90 13.00





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086073.D
Acq: 5 Apr 2016 9:16

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion:	264	Resp:	138817
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	21.6	17.2	25.8

