

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040516\
 Data File : BF086085.D
 Acq On : 5 Apr 2016 20:32
 Operator : UM/SJ
 Sample : H2180-09RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401RE

Quant Time: Apr 06 00:52:59 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

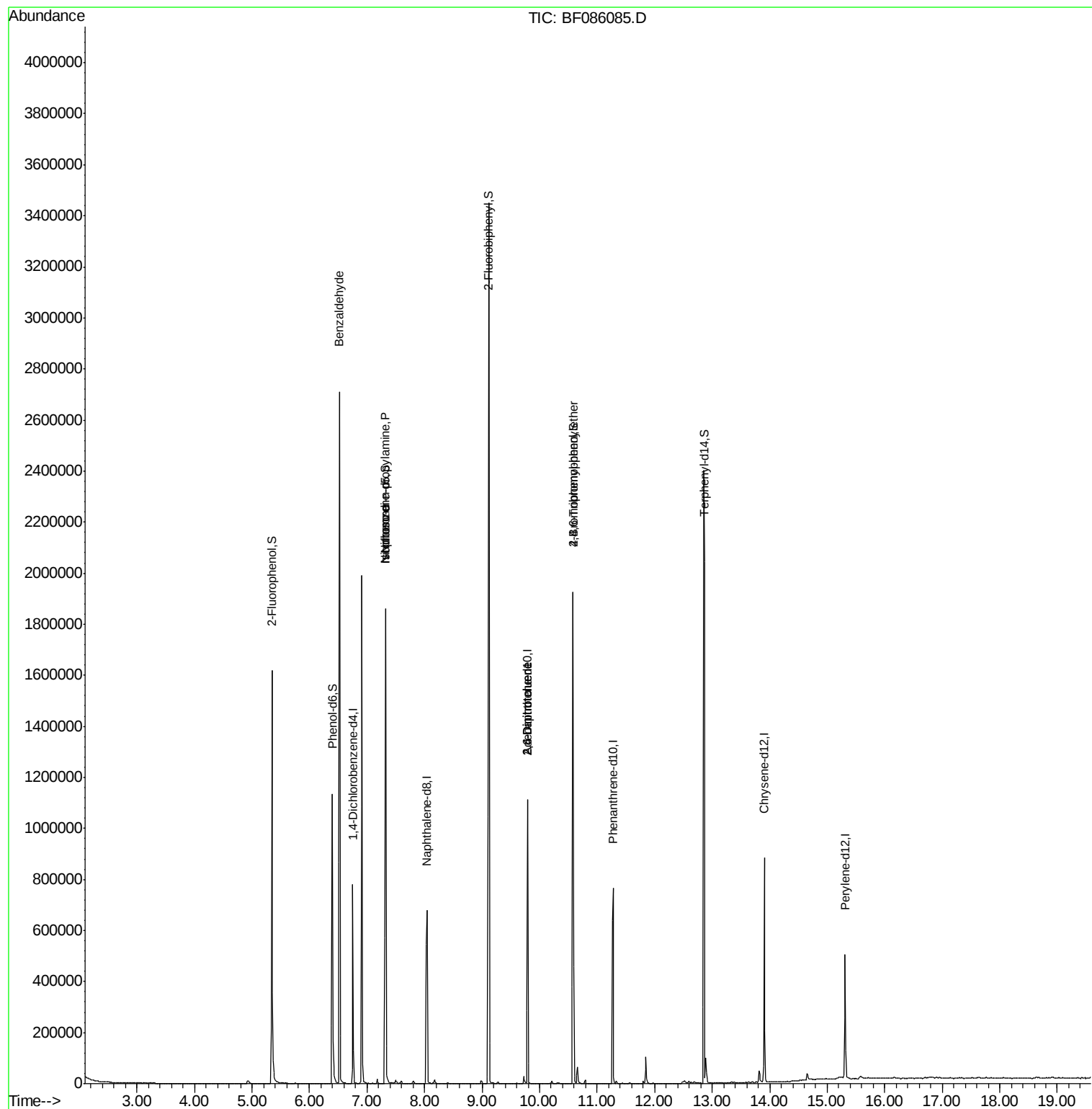
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	116002	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	445999	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	218174	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	399416	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	284613	20.00	ng	-0.02
86) Perylene-d12	15.31	264	217575	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	514425	75.80	ng	-0.02
7) Phenol-d6	6.40	99	448357	52.01	ng	-0.02
23) Nitrobenzene-d5	7.32	82	654693	86.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	250663	122.41	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	1074850	81.91	ng	-0.02
78) Terphenyl-d14	12.86	244	1128520	93.21	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.52	77	17294	3.73	ng	Qvalue 85
19) n-Nitroso-di-n-propylamine	7.32	70	88340	16.53	ng	# 77
25) Isophorone	7.32	82	514308	34.45	ng	# 68
50) 2,6-Dinitrotoluene	9.79	165	27571	8.06	ng	# 19
56) 2,4-Dinitrotoluene	9.79	165	27571	6.38	ng	# 37
66) 4-Bromophenyl-phenylether	10.58	248	16811	4.12	ng	# 1

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

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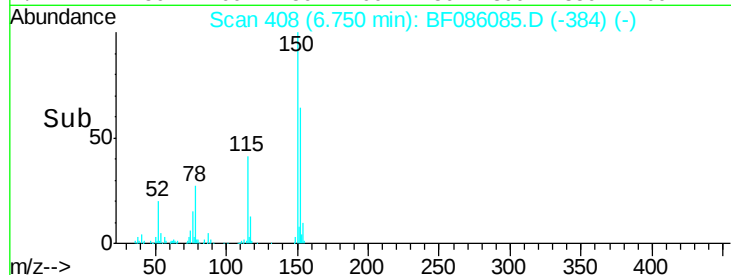
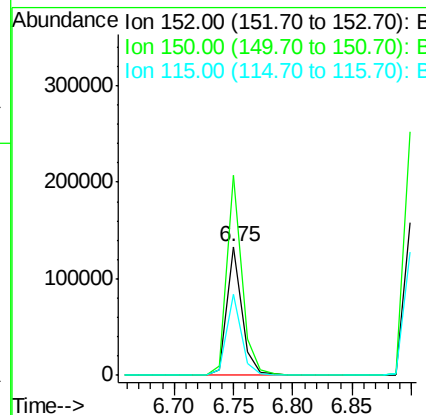
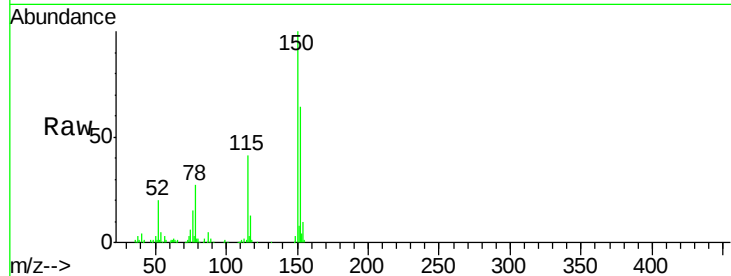


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Instrument :
BNA_F
ClientSampleId :
FB-20160401RE

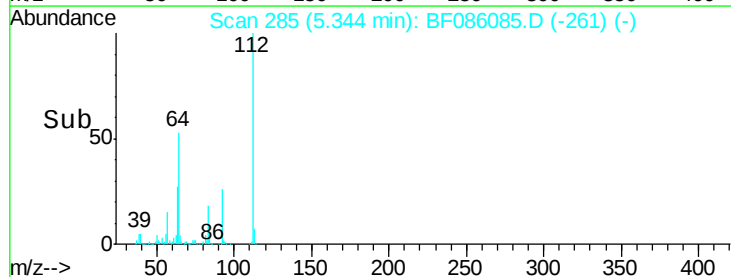
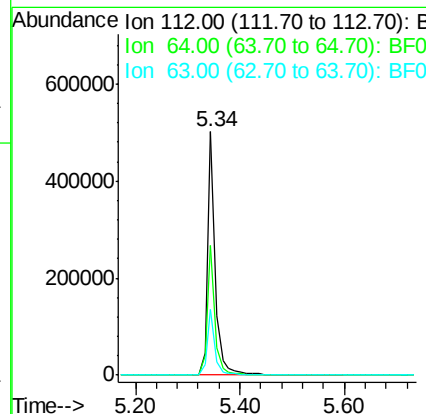
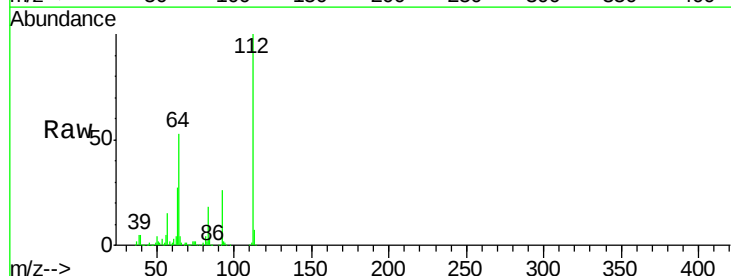
Tgt Ion:152 Resp: 116002
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 63.1 47.0 70.6



#5

2-Fluorophenol
Concen: 75.80 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086085.D
Acq: 5 Apr 2016 20:32

Tgt Ion:112 Resp: 514425
Ion Ratio Lower Upper
112 100
64 53.3 39.9 59.9
63 27.1 20.2 30.2





#7

Phenol-d6

Concen: 52.01 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

FB-20160401RE

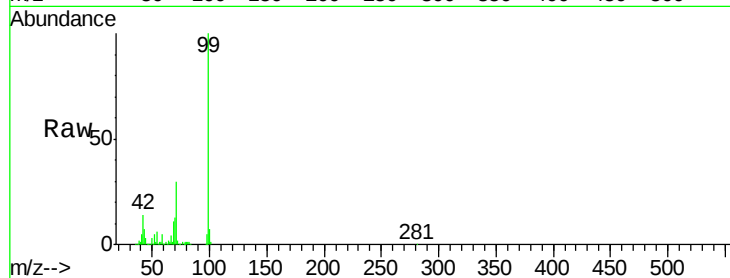
Tgt Ion: 99 Resp: 448357

Ion Ratio Lower Upper

99 100

42 13.6 11.1 16.7

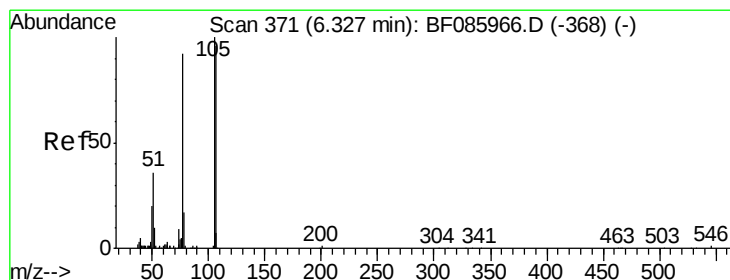
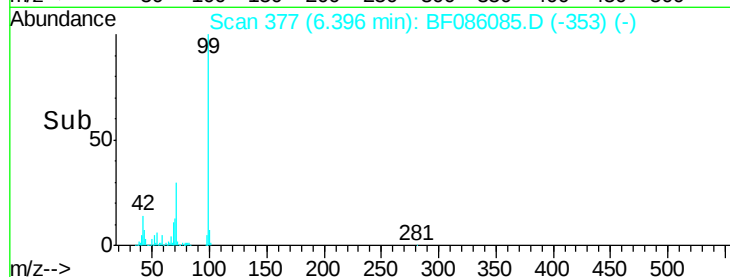
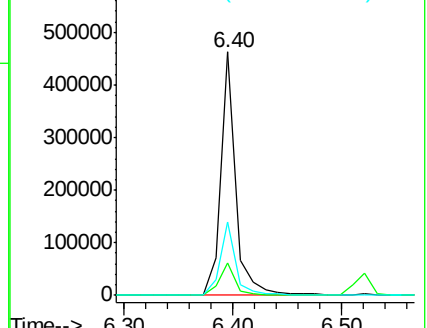
71 29.9 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.73 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.19 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

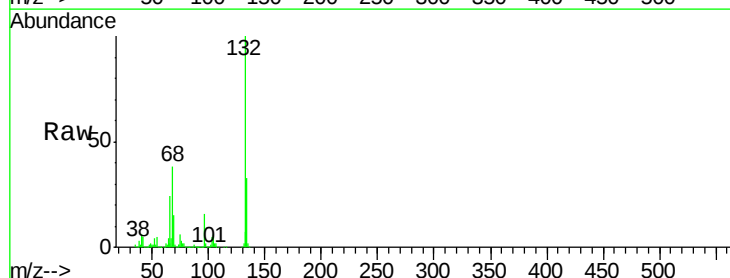
Tgt Ion: 77 Resp: 17294

Ion Ratio Lower Upper

77 100

105 83.0 80.1 120.1

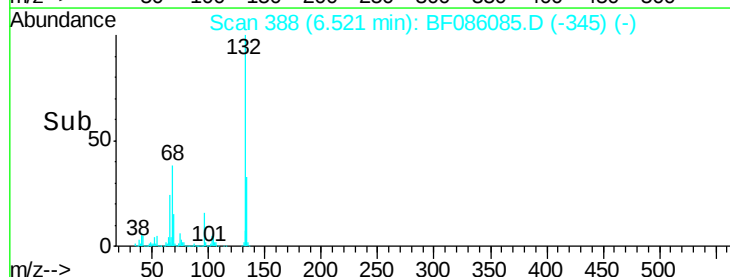
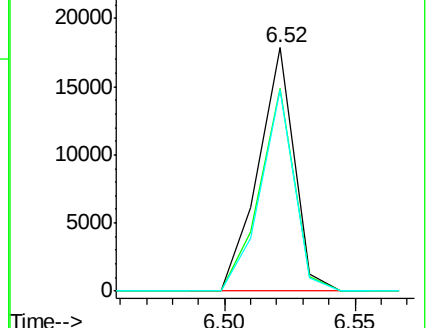
106 82.7 75.0 115.0

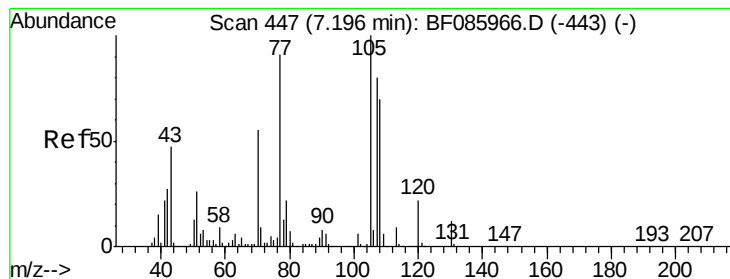


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 16.53 ng

RT: 7.32 min Scan# 458

Delta R.T. 0.13 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

FB-20160401RE

Tgt Ion: 70 Resp: 88340

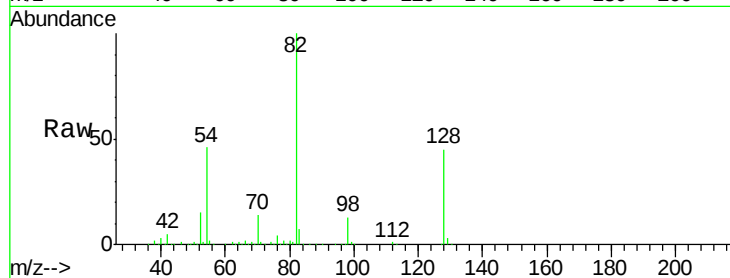
Ion Ratio Lower Upper

70 100

42 39.5 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

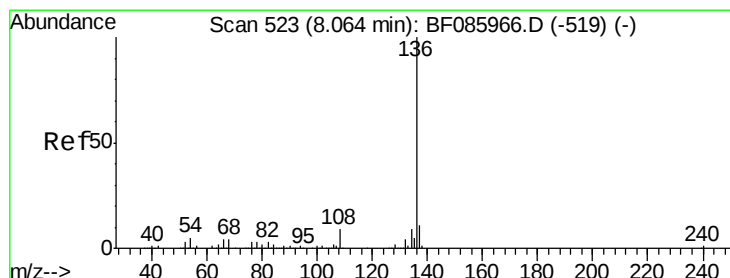
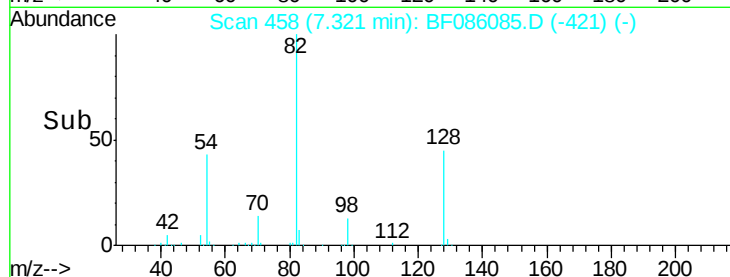
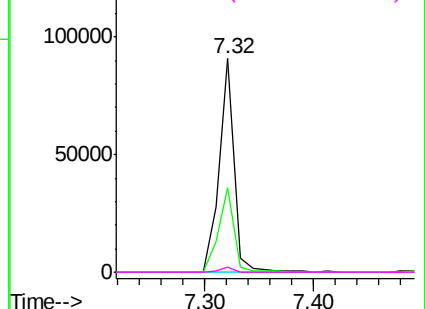


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Tgt Ion: 136 Resp: 445999

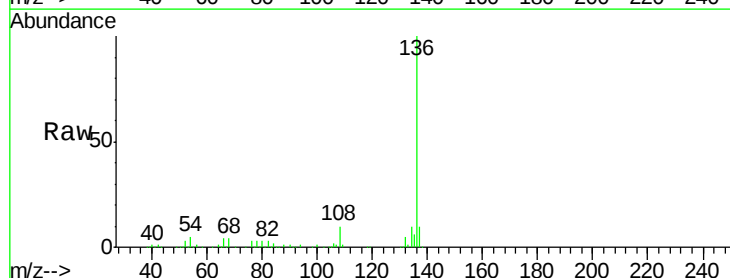
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 4.8 7.4 11.0#

68 4.3 5.8 8.8#

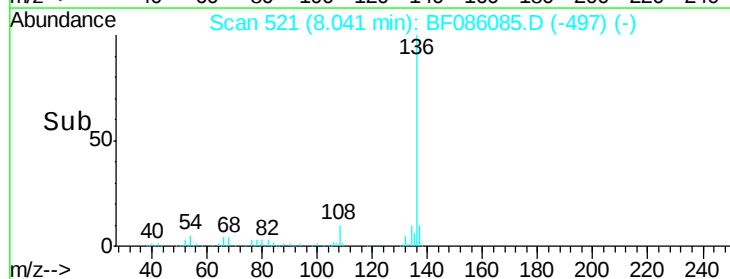
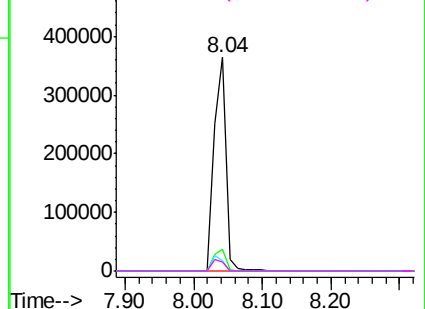


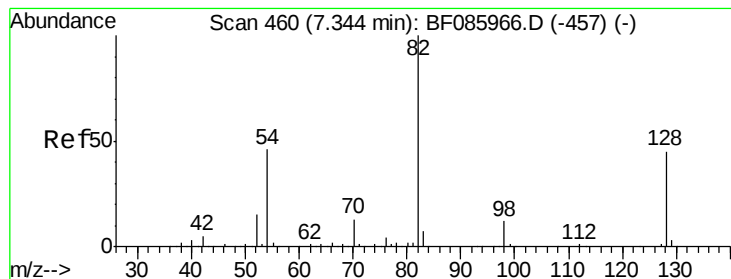
Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.57 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

FB-20160401RE

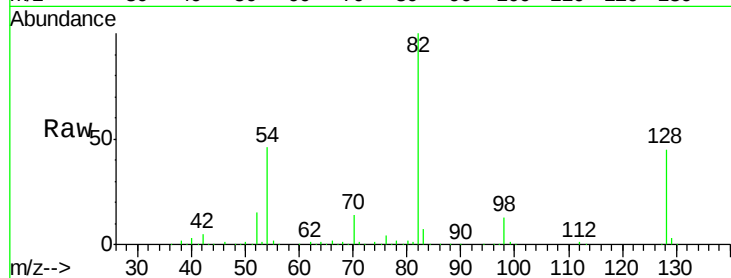
Tgt Ion: 82 Resp: 654693

Ion Ratio Lower Upper

82 100

128 45.3 41.8 62.8

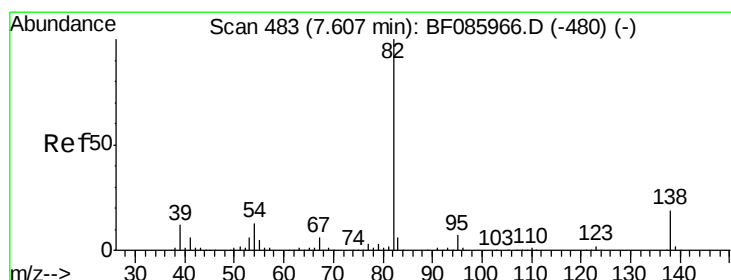
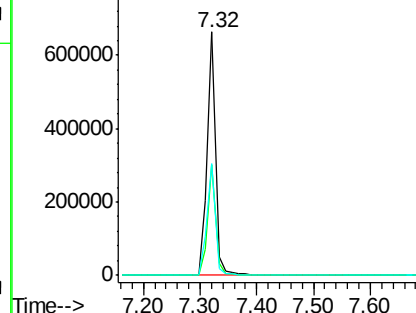
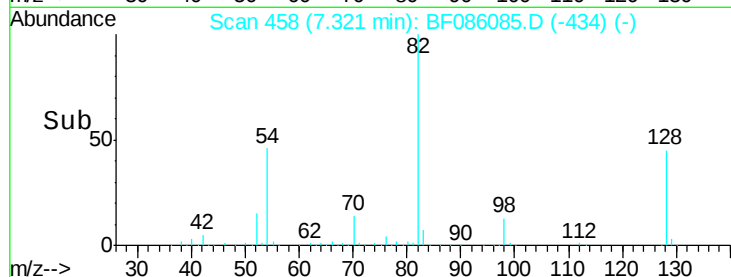
54 45.8 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 34.45 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.29 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

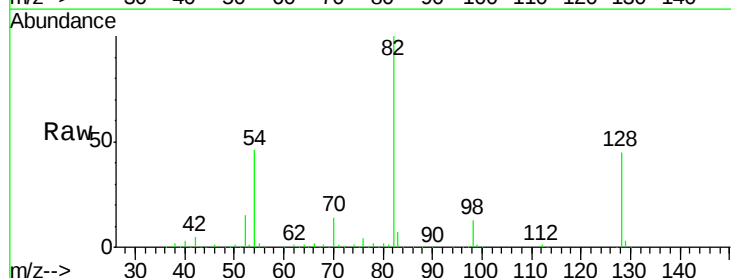
Tgt Ion: 82 Resp: 514308

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

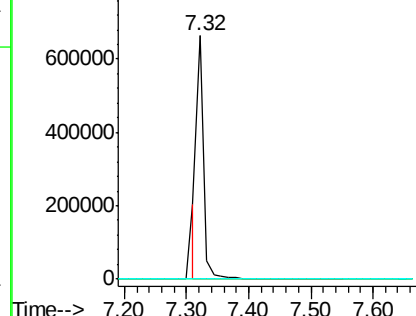
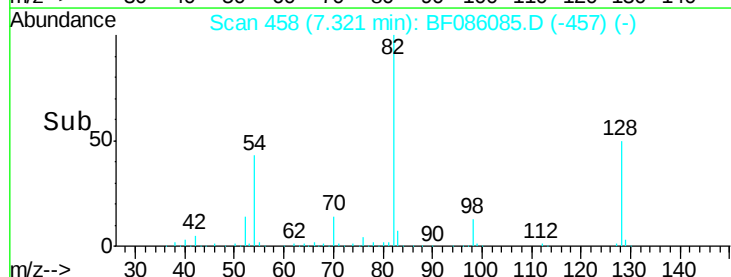
138 0.0 12.9 19.3#

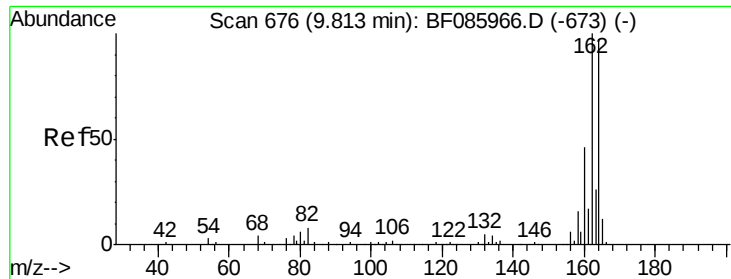


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

FB-20160401RE

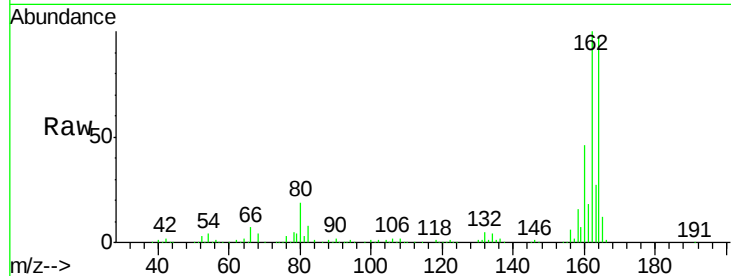
Tgt Ion:164 Resp: 218174

Ion Ratio Lower Upper

164 100

162 102.9 82.1 123.1

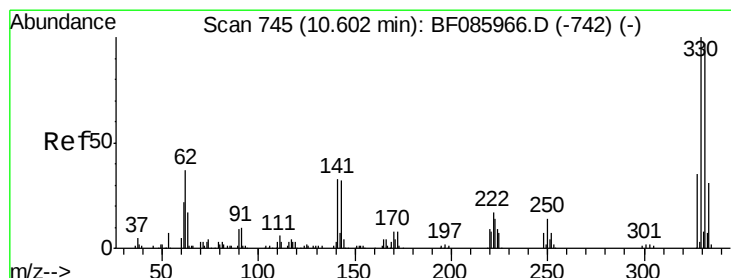
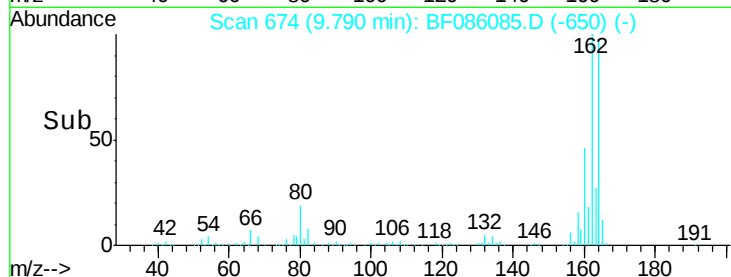
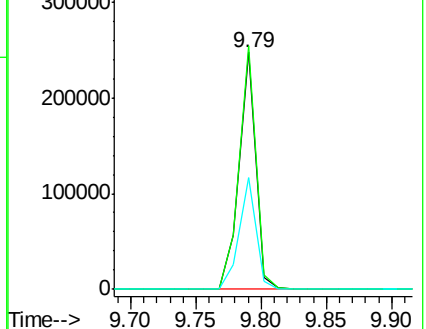
160 47.3 37.4 56.2



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: 122.41 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

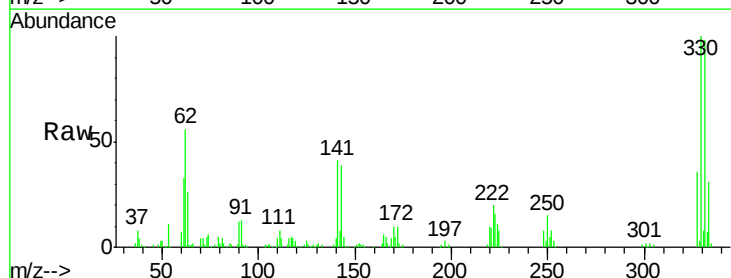
Tgt Ion:330 Resp: 250663

Ion Ratio Lower Upper

330 100

332 97.1 78.2 117.2

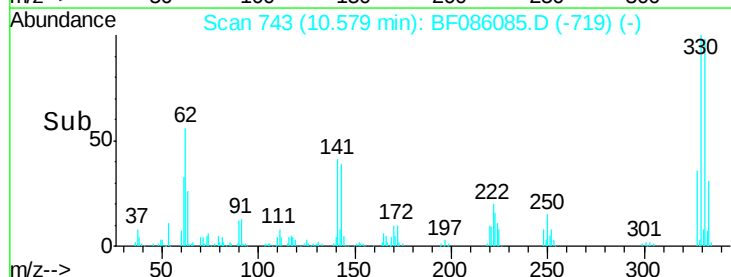
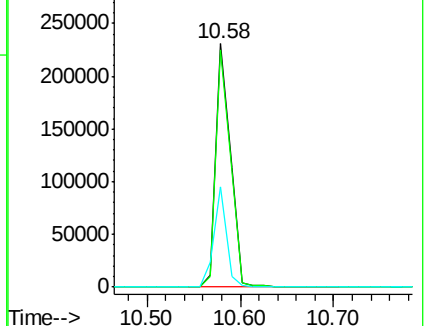
141 36.2 31.5 47.3

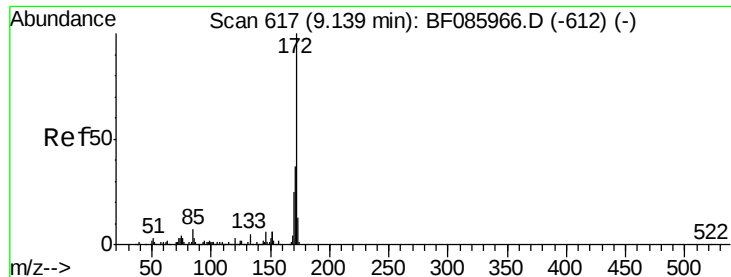


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 81.91 ng

RT: 9.12 min Scan# 615

Delta R.T. -0.02 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

Instrument :

BNA_F

ClientSampleId :

FB-20160401RE

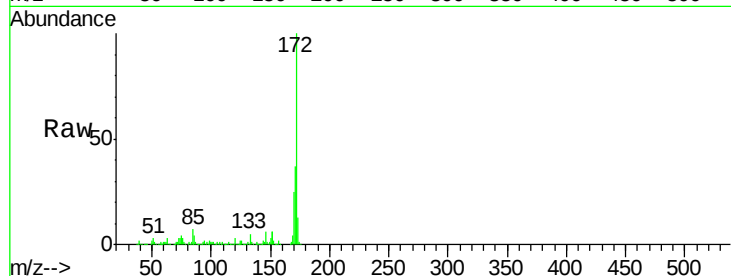
Tgt Ion:172 Resp: 1074850

Ion Ratio Lower Upper

172 100

171 36.8 29.4 44.2

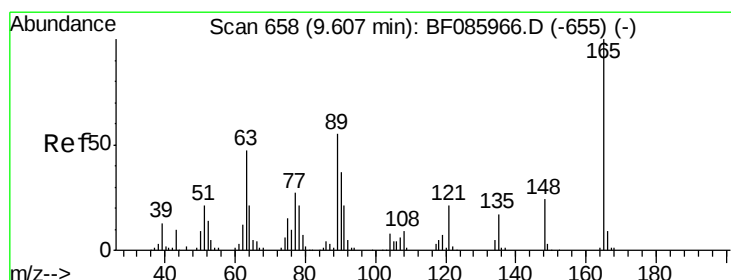
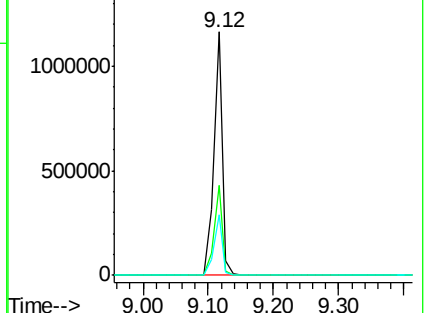
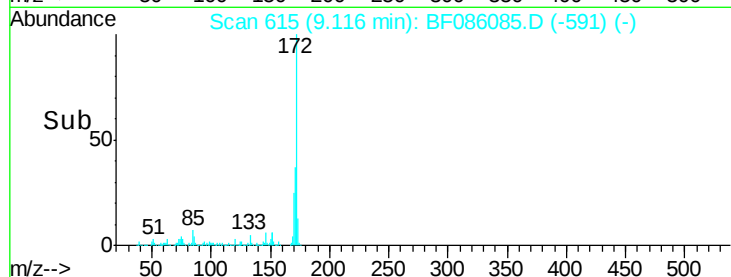
170 24.8 19.8 29.6



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: 8.06 ng

RT: 9.79 min Scan# 674

Delta R.T. 0.18 min

Lab File: BF086085.D

Acq: 5 Apr 2016 20:32

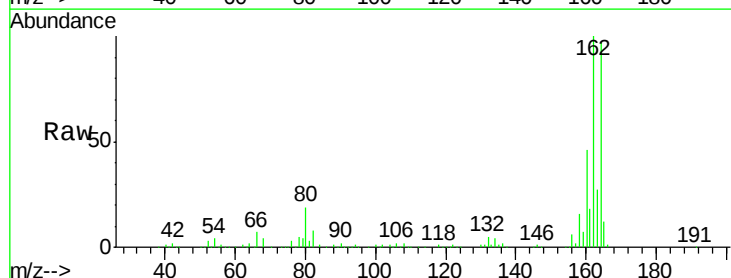
Tgt Ion:165 Resp: 27571

Ion Ratio Lower Upper

165 100

63 1.2 51.8 77.8#

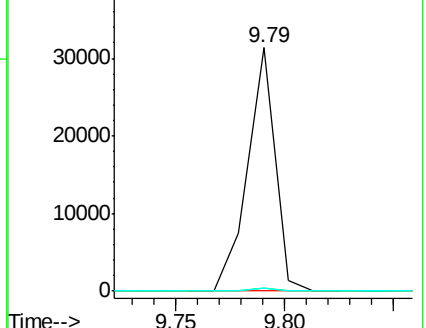
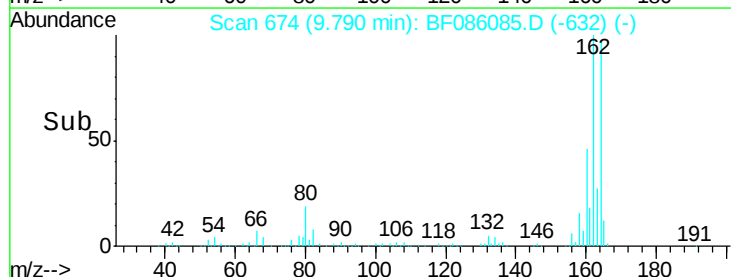
89 1.4 53.7 80.5#

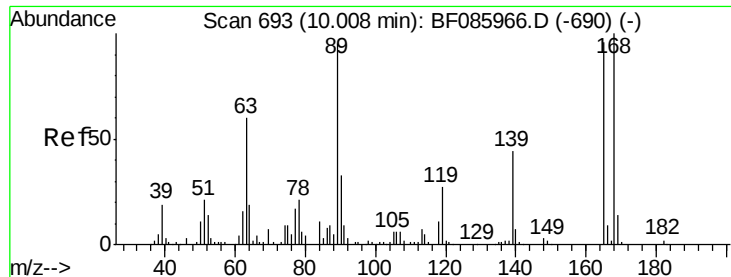


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

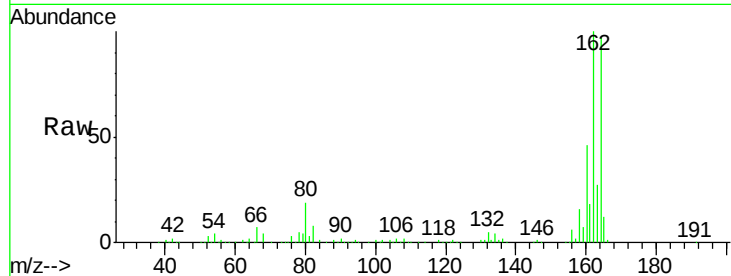




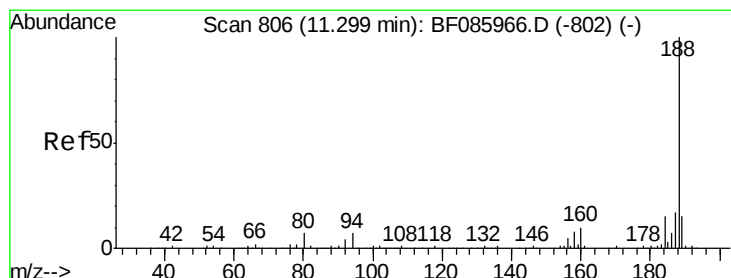
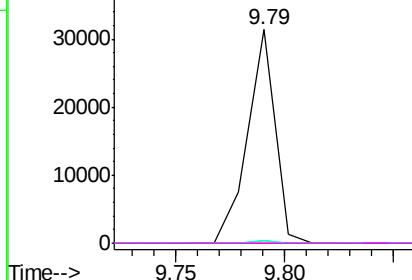
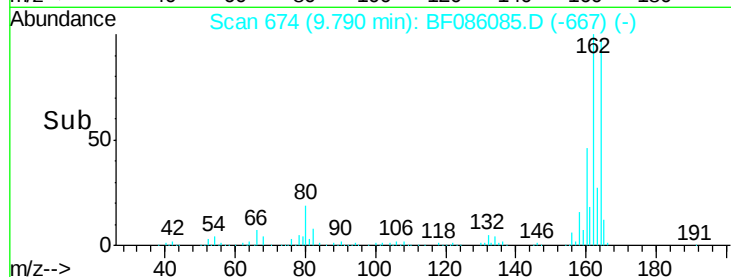
#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.22 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401RE

Tgt Ion:165 Resp: 27571
 Ion Ratio Lower Upper
 165 100
 63 1.2 24.9 37.3#
 89 1.4 41.0 61.6#
 182 0.0 2.1 3.1#

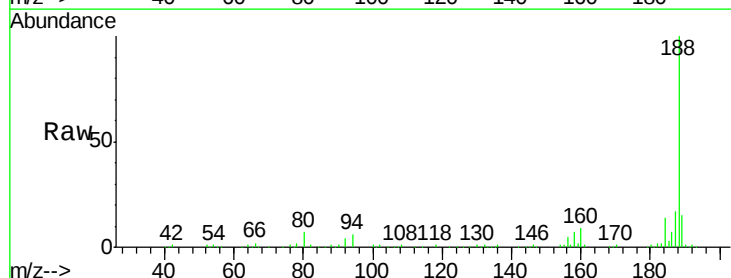


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

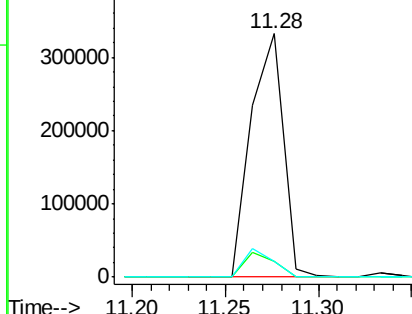
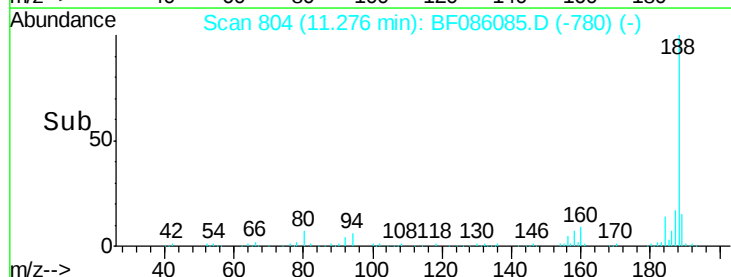


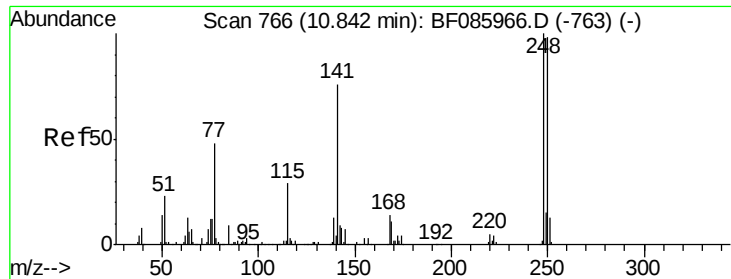
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

Tgt Ion:188 Resp: 399416
 Ion Ratio Lower Upper
 188 100
 94 6.3 5.4 8.0
 80 6.7 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

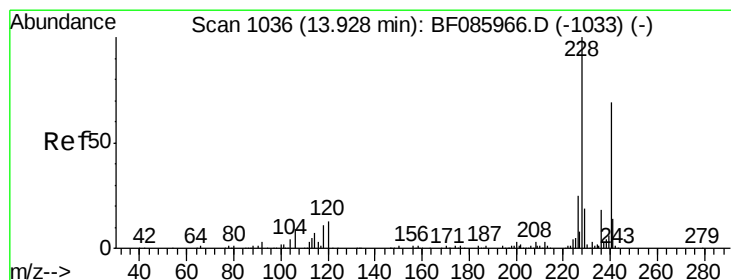
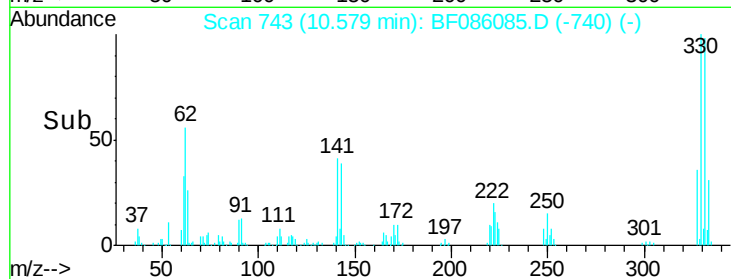
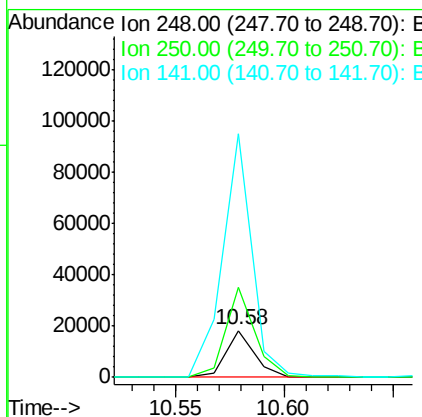
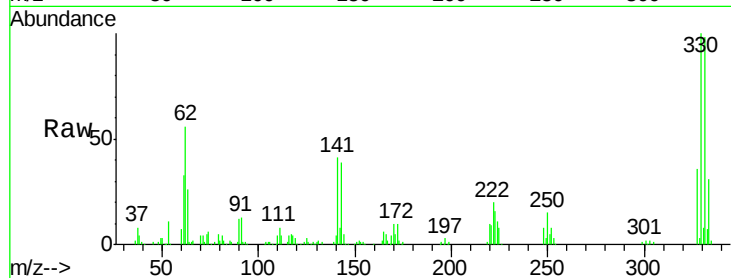




#66
 4-Bromophenyl-phenylether
 Concen: 4.12 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.26 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

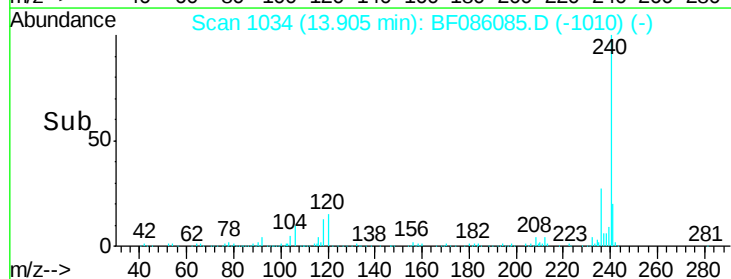
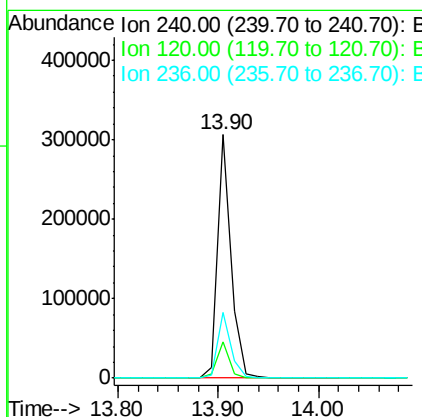
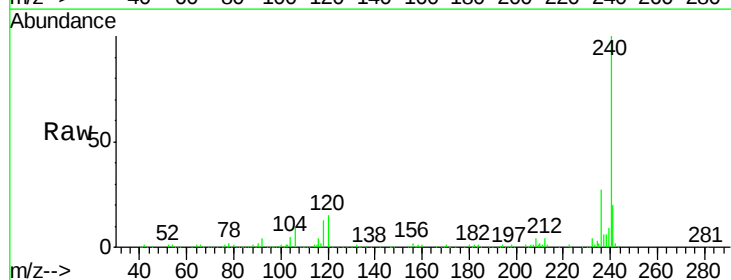
Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401RE

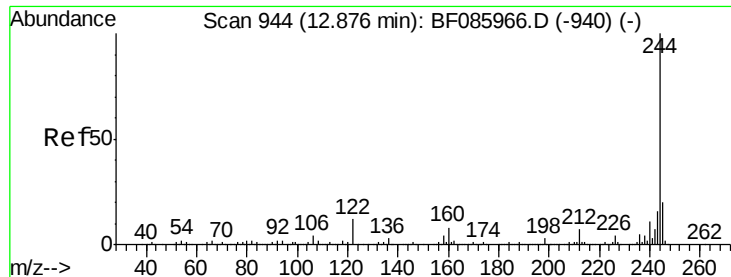
Tgt Ion:248 Resp: 16811
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.4 116.0#
 141 518.7 63.6 95.4#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 1034
 Delta R.T. -0.02 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

Tgt Ion:240 Resp: 284613
 Ion Ratio Lower Upper
 240 100
 120 14.9 13.8 20.8
 236 26.9 20.6 30.8

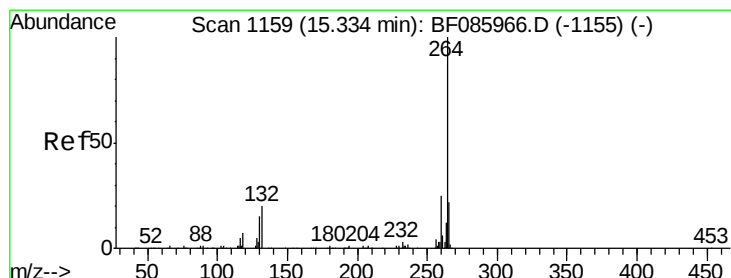
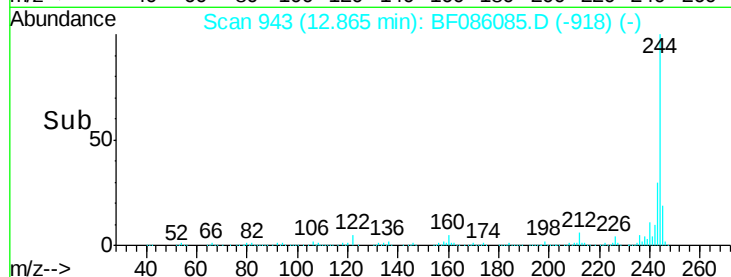
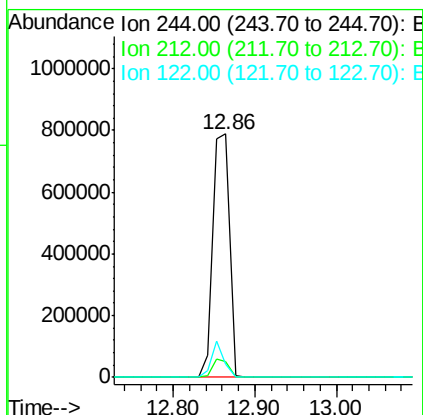
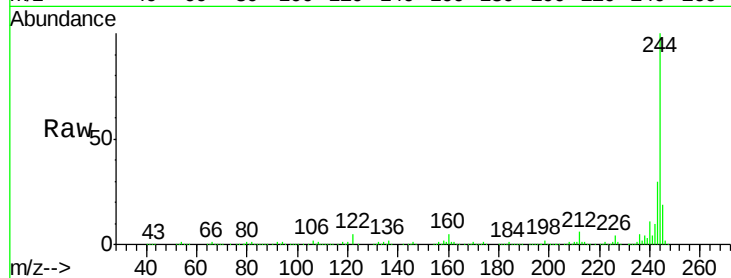




#78
 Terphenyl-d14
 Concen: 93.21 ng
 RT: 12.86 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

Instrument :
 BNA_F
 ClientSampleId :
 FB-20160401RE

Tgt Ion:244 Resp: 1128520
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.1 9.1
 122 5.5 10.2 15.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BF086085.D
 Acq: 5 Apr 2016 20:32

Tgt Ion:264 Resp: 217575
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.4 17.2 25.8

