

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087063.D
 Acq On : 15 May 2016 12:05
 Operator : UM/SJ
 Sample : H3052-14
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06

Quant Time: May 16 04:56:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

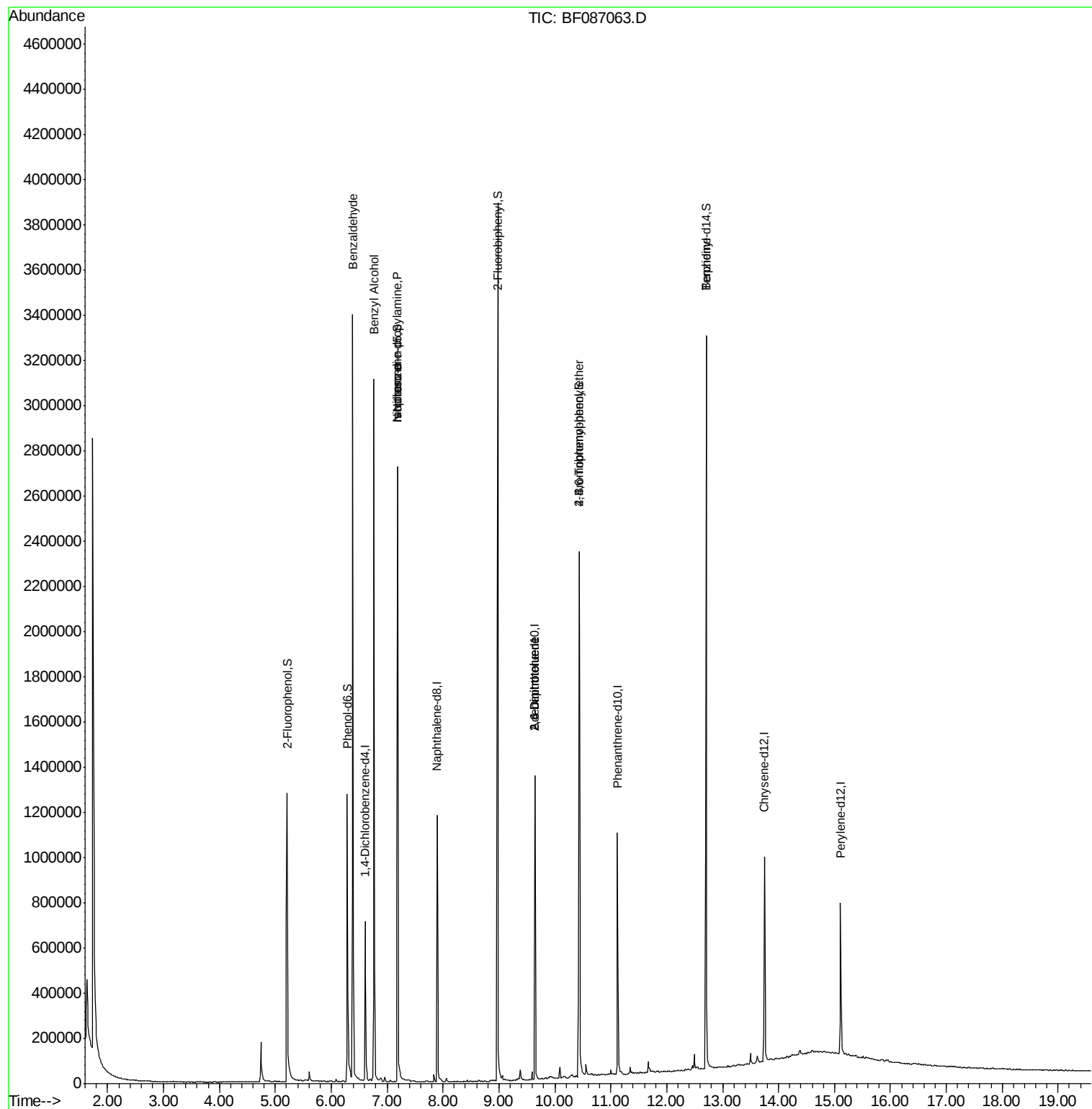
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	126888	20.00	ng	-0.09
21) Naphthalene-d8	7.90	136	513537	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	245906	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	427588	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	285386	20.00	ng	-0.09
86) Perylene-d12	15.11	264	280589	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	449487	59.99	ng	-0.08
7) Phenol-d6	6.28	99	463599	46.30	ng	-0.08
23) Nitrobenzene-d5	7.19	82	871528	85.22	ng	-0.08
41) 2,4,6-Tribromophenol	10.43	330	276293	106.13	ng	-0.09
44) 2-Fluorobiphenyl	8.98	172	1373260	93.86	ng	-0.08
78) Terphenyl-d14	12.71	244	953561	70.89	ng	-0.09
Target Compounds						
9) Benzaldehyde	6.39	77	22891	3.95	ng	# 74
15) Benzyl Alcohol	6.76	79	13860	2.00	ng	# 42
19) n-Nitroso-di-n-propylamine	7.19	70	123627	17.67	ng	# 73
25) Isophorone	7.19	82	867263	45.70	ng	# 68
50) 2,6-Dinitrotoluene	9.64	165	31524	7.98	ng	# 21
56) 2,4-Dinitrotoluene	9.64	165	31525	6.45	ng	# 17
66) 4-Bromophenyl-phenylether	10.43	248	16778	3.87	ng	# 1
76) Benzydine	12.71	184	15569	2.14	ng	# 94

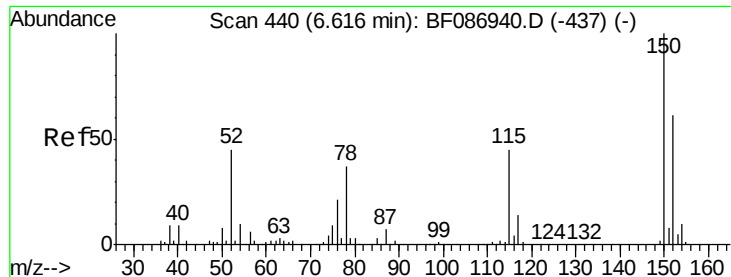
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.09 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Instrument :

BNA_F

ClientSampleId :

MW-06

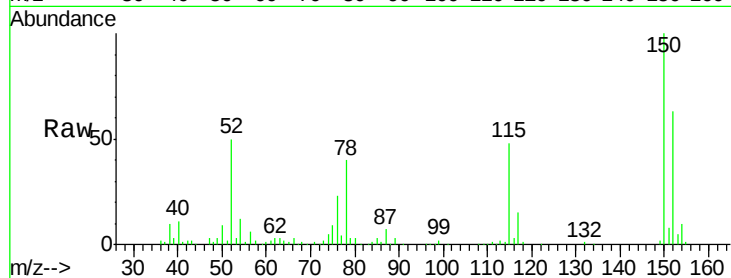
Tgt Ion:152 Resp: 126888

Ion Ratio Lower Upper

152 100

150 158.2 125.8 188.6

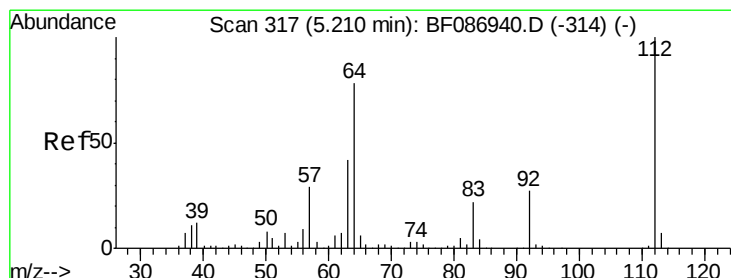
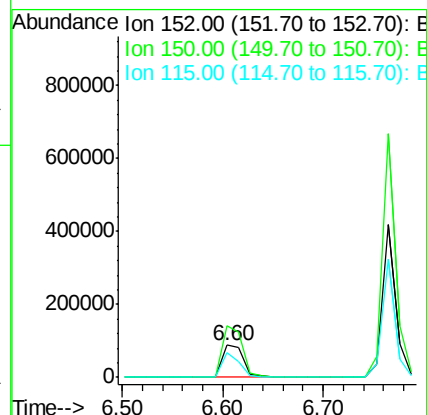
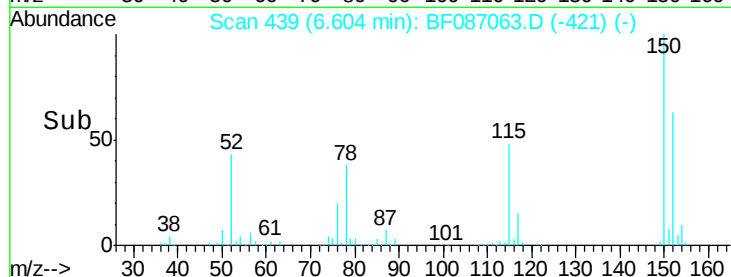
115 76.4 51.5 77.3



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: 59.99 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

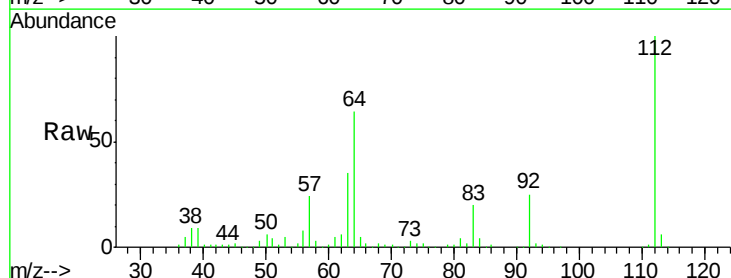
Tgt Ion:112 Resp: 449487

Ion Ratio Lower Upper

112 100

64 64.2 52.1 78.1

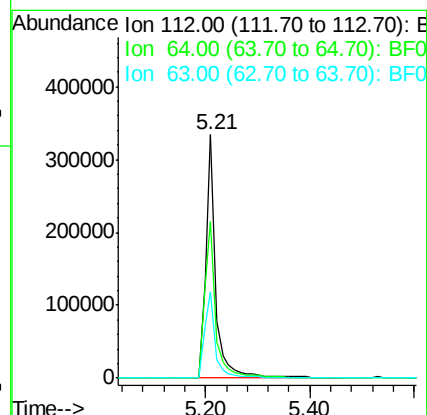
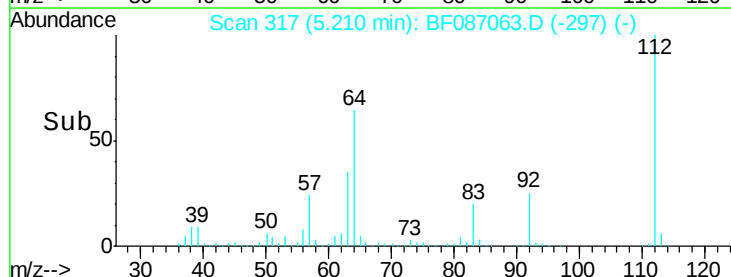
63 35.3 25.7 38.5

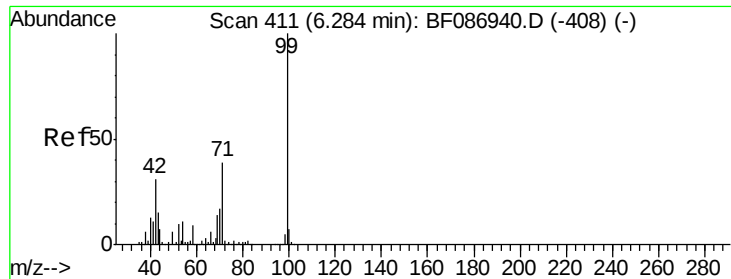


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.30 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Instrument :

BNA_F

ClientSampled :

MW-06

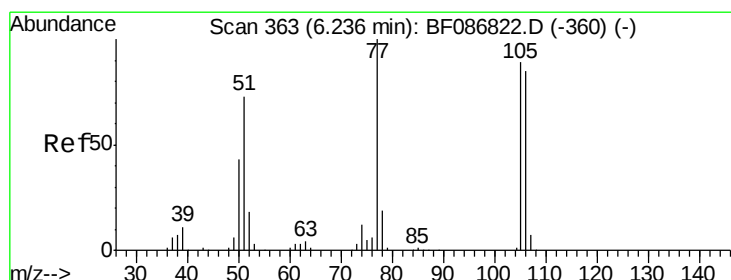
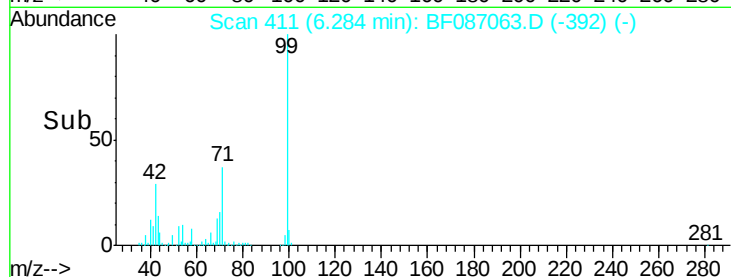
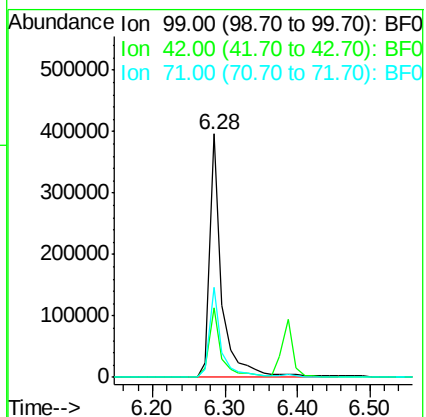
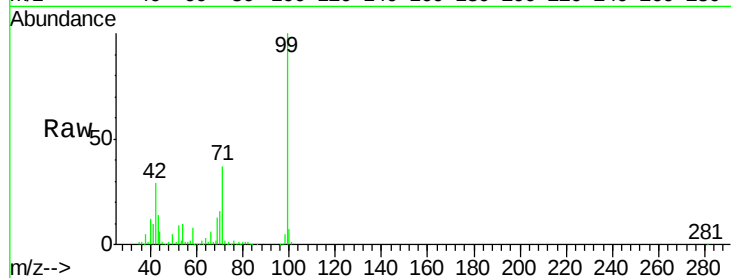
Tgt Ion: 99 Resp: 463599

Ion Ratio Lower Upper

99 100

42 28.8 13.6 20.4#

71 36.8 24.6 36.8



#9

Benzaldehyde

Concen: 3.95 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.15 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

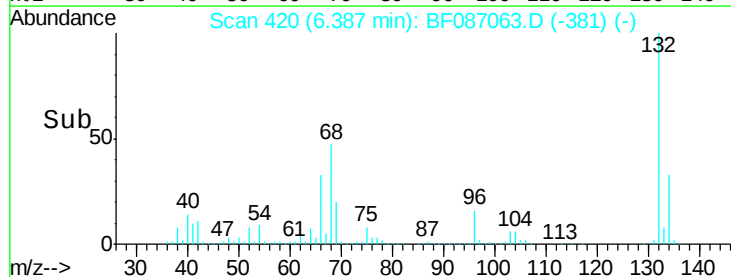
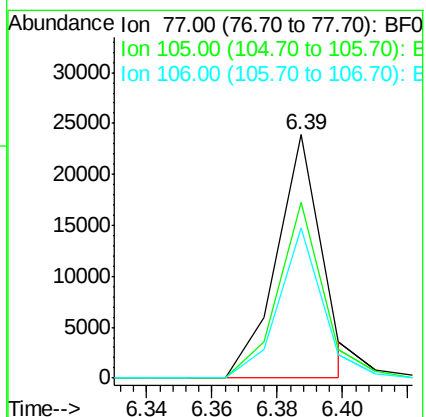
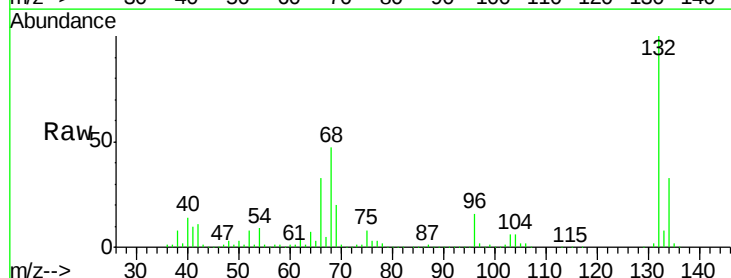
Tgt Ion: 77 Resp: 22891

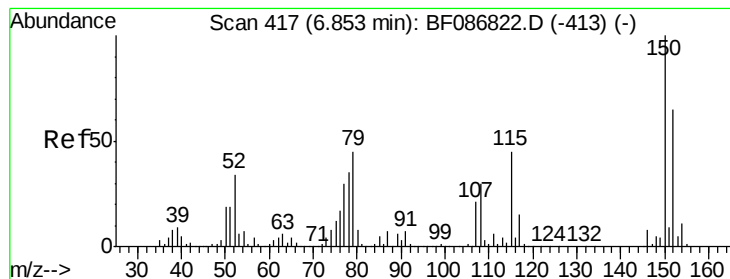
Ion Ratio Lower Upper

77 100

105 72.1 72.7 112.7#

106 61.7 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.00 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.09 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Instrument :

BNA_F

ClientSampled :

MW-06

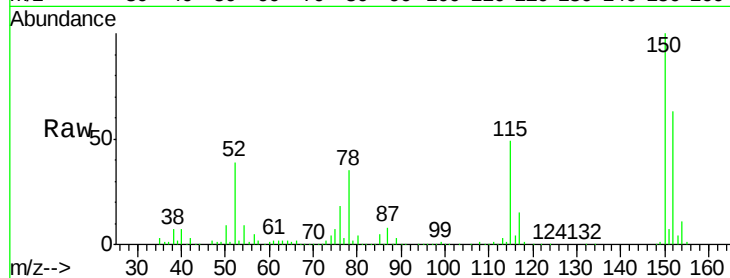
Tgt Ion: 79 Resp: 13860

Ion Ratio Lower Upper

79 100

108 33.0 68.4 102.6#

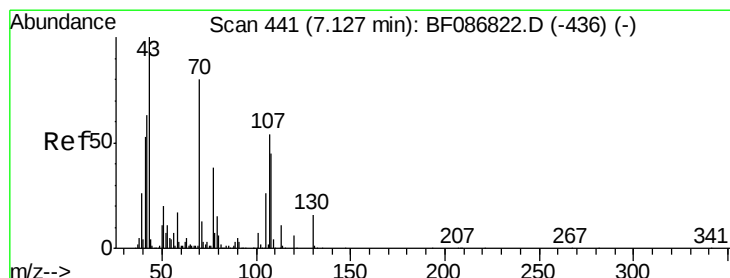
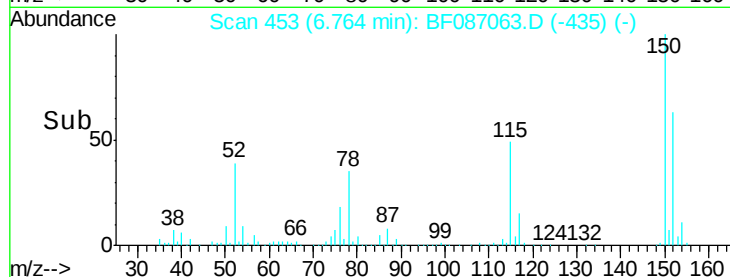
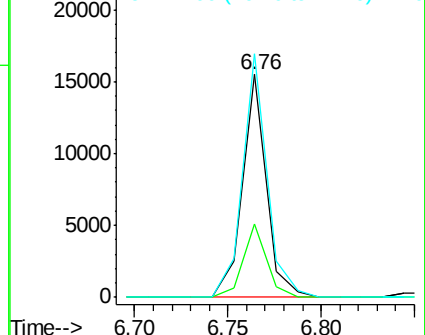
77 109.1 50.6 76.0#



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: 17.67 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Tgt Ion: 70 Resp: 123627

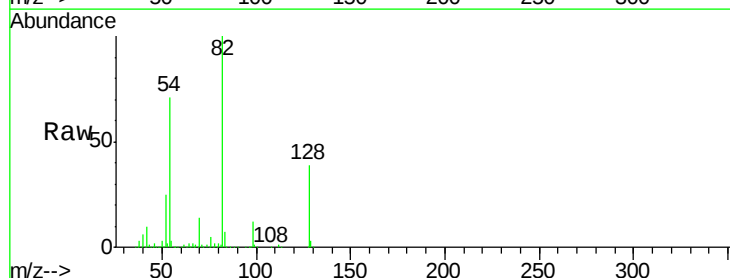
Ion Ratio Lower Upper

70 100

42 68.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

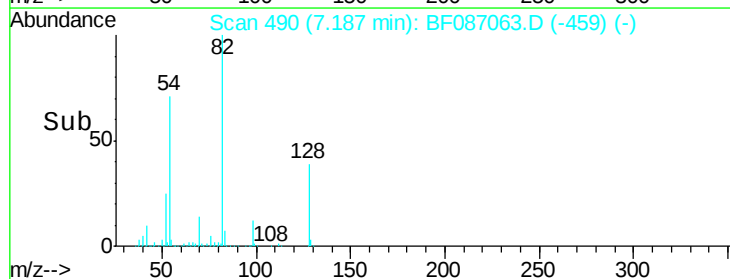
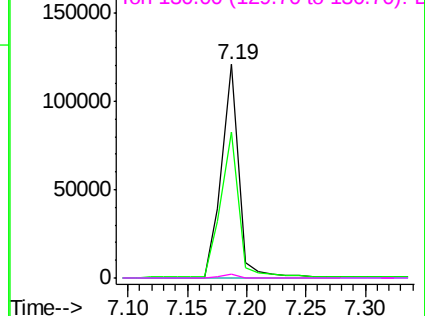


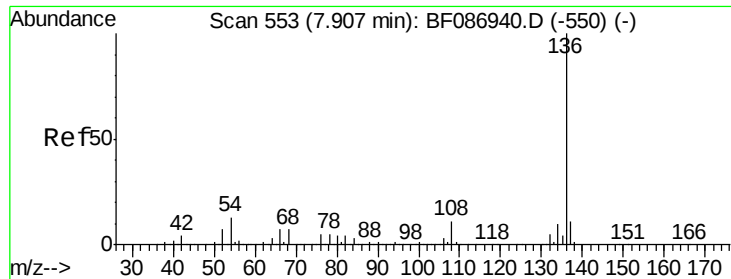
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

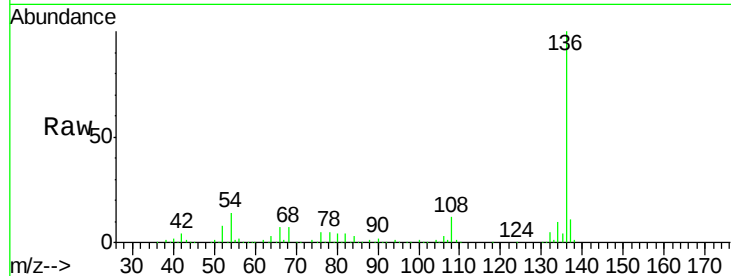




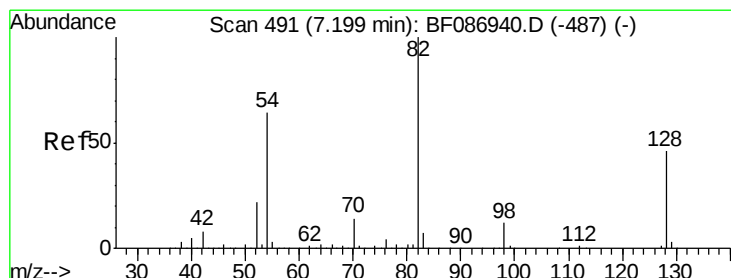
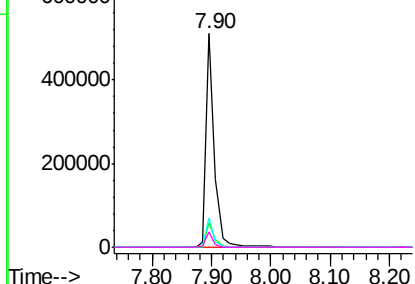
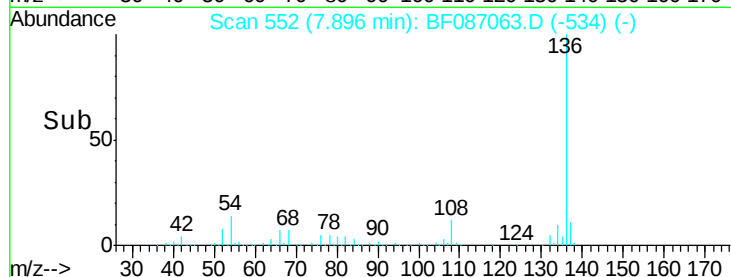
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087063.D
Acq: 15 May 2016 12:05

Instrument :
BNA_F
ClientSampleId :
MW-06

Tgt Ion:	136	Resp:	513537
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	13.9	5.0	7.4#
68	7.0	4.4	6.6#

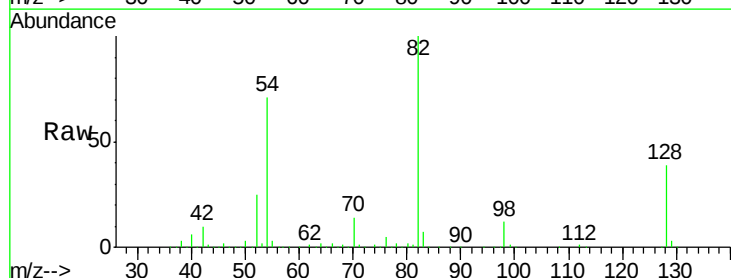


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

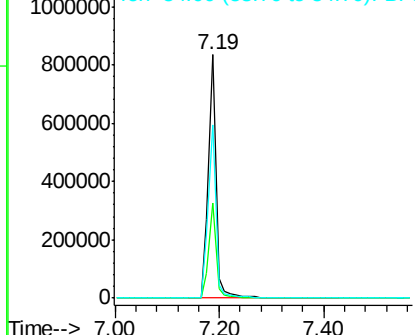
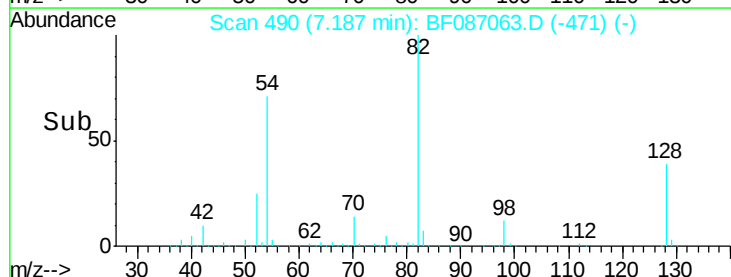


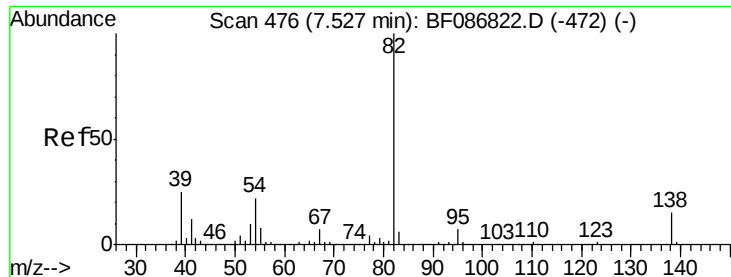
#23
Nitrobenzene-d5
Concen: 85.22 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF087063.D
Acq: 15 May 2016 12:05

Tgt Ion:	82	Resp:	871528
Ion	Ratio	Lower	Upper
82	100		
128	39.3	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: 45.70 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Instrument :

BNA_F

ClientSampleId :

MW-06

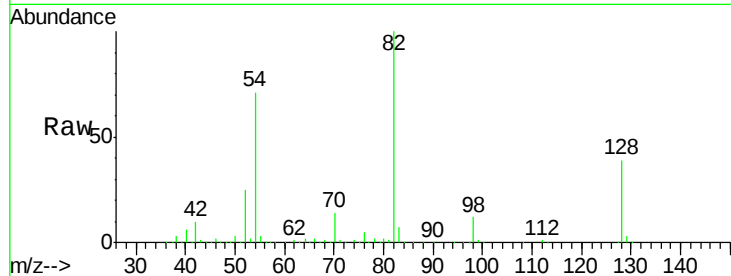
Tgt Ion: 82 Resp: 867263

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

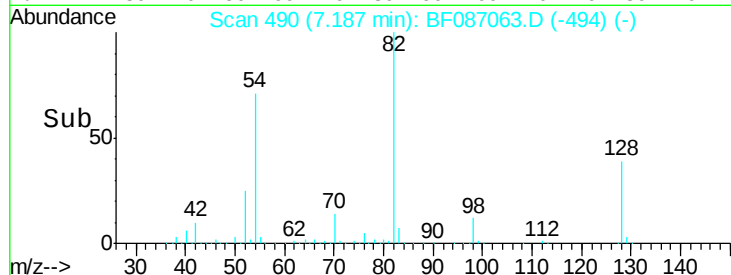


Abundance Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)

Time-->

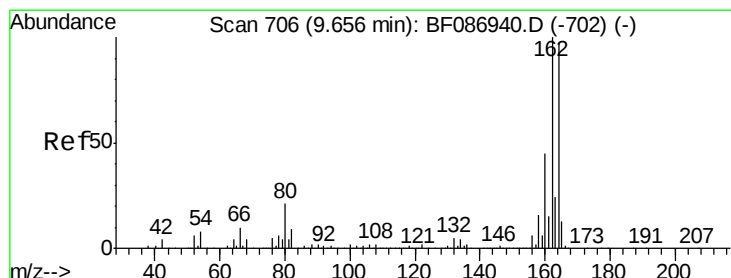


Abundance Ion 82.00 (81.70 to 82.70): BF086822.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BF086822.D (-472) (-)

Ion 138.00 (137.70 to 138.70): BF086822.D (-472) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

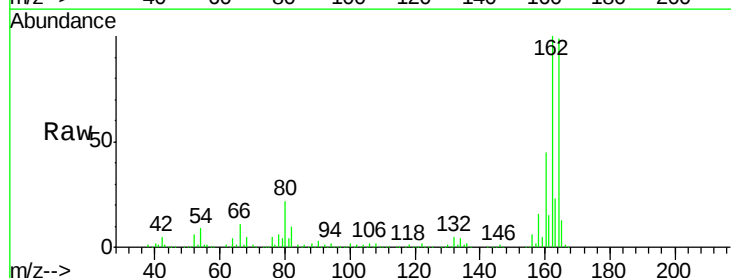
Tgt Ion: 164 Resp: 245906

Ion Ratio Lower Upper

164 100

162 101.3 82.8 124.2

160 45.7 36.9 55.3

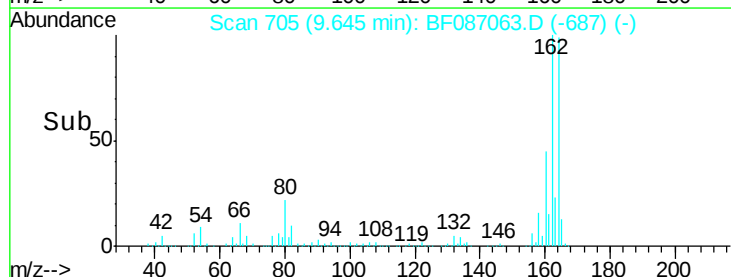


Abundance Ion 164.00 (163.70 to 164.70): BF086940.D (-702) (-)

Ion 162.00 (161.70 to 162.70): BF086940.D (-702) (-)

Ion 160.00 (159.70 to 160.70): BF086940.D (-702) (-)

Time-->

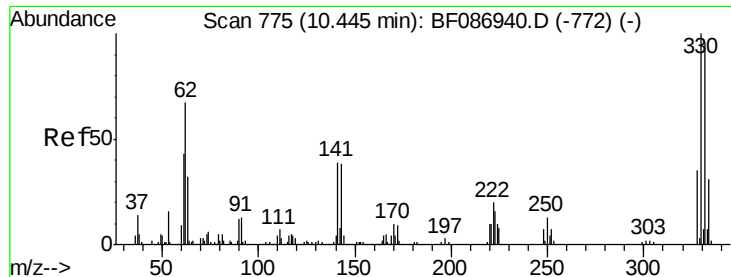


Abundance Ion 164.00 (163.70 to 164.70): BF086940.D (-702) (-)

Ion 162.00 (161.70 to 162.70): BF086940.D (-702) (-)

Ion 160.00 (159.70 to 160.70): BF086940.D (-702) (-)

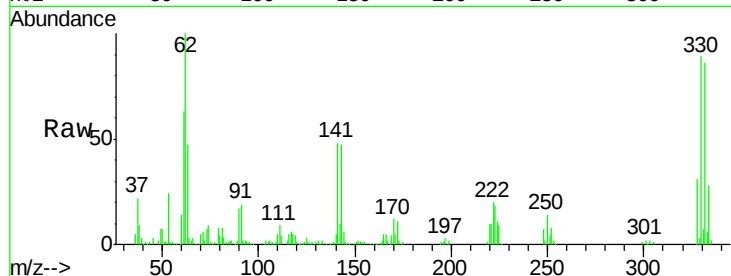
Time-->



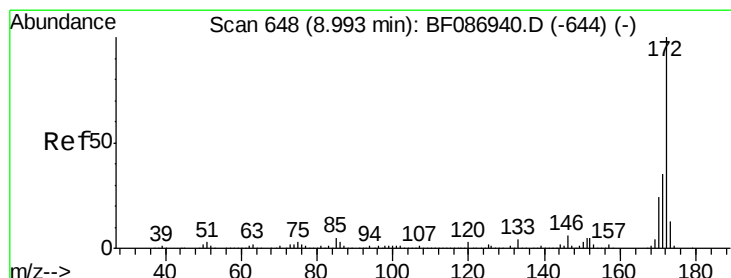
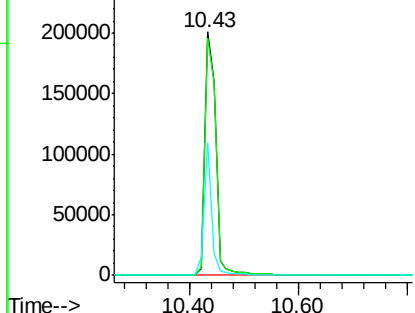
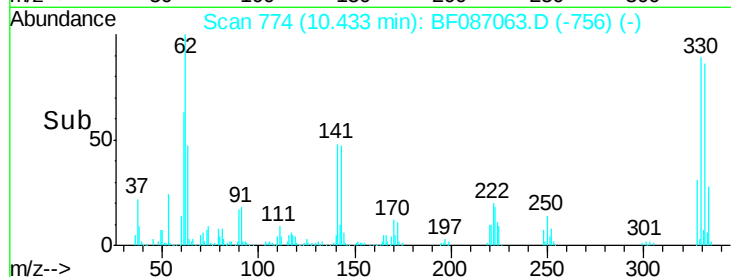
#41
 2,4,6-Tribromophenol
 Concen: 106.13 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

Instrument :
 BNA_F
 ClientSampled :
 MW-06

Tgt Ion:330 Resp: 276293
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 38.2 31.2 46.8

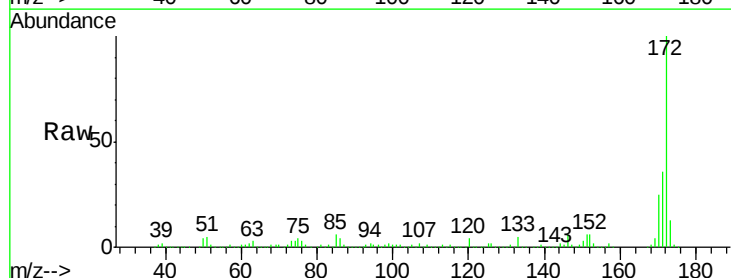


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

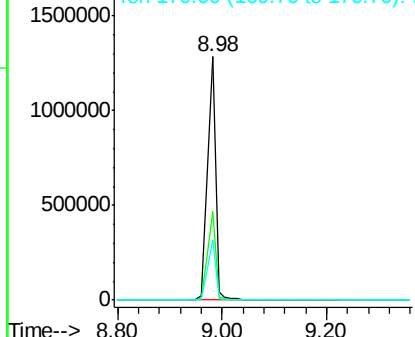
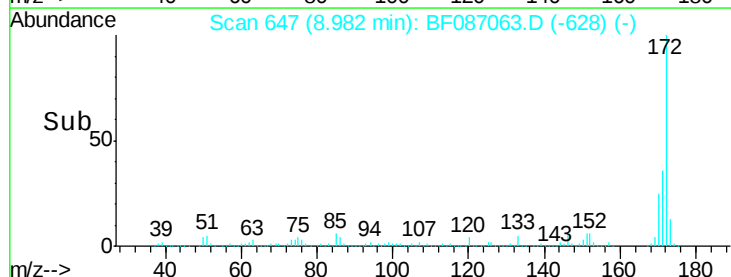


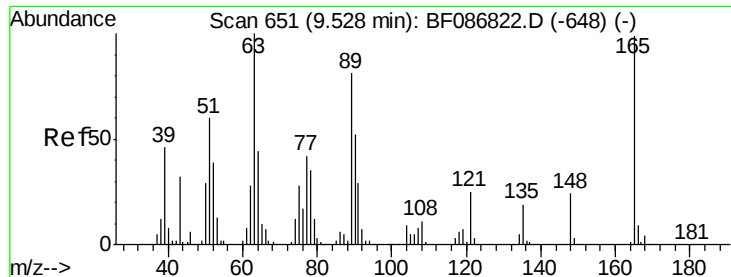
#44
 2-Fluorobiphenyl
 Concen: 93.86 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.08 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

Tgt Ion:172 Resp: 1373260
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.6 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

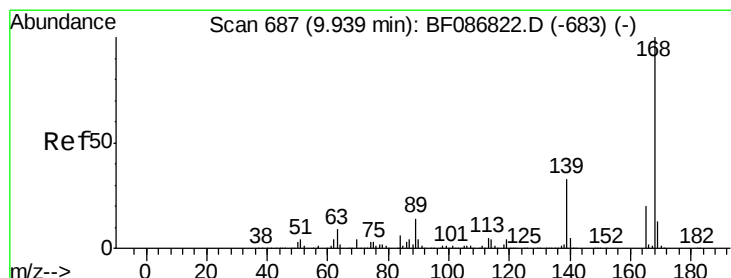
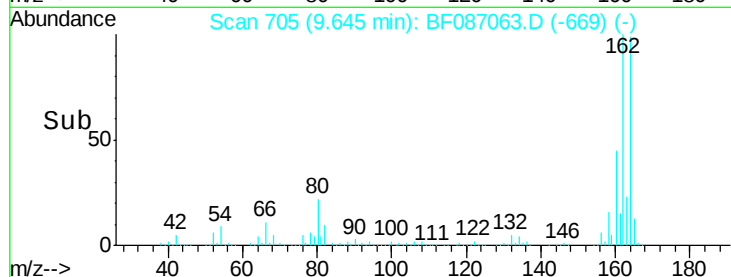
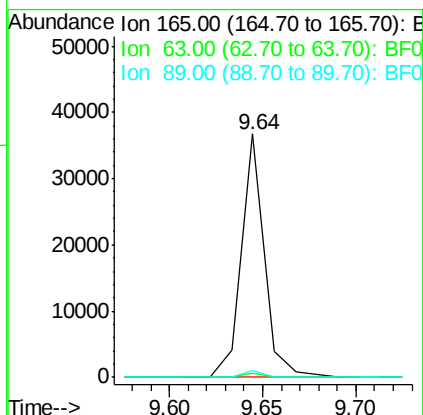
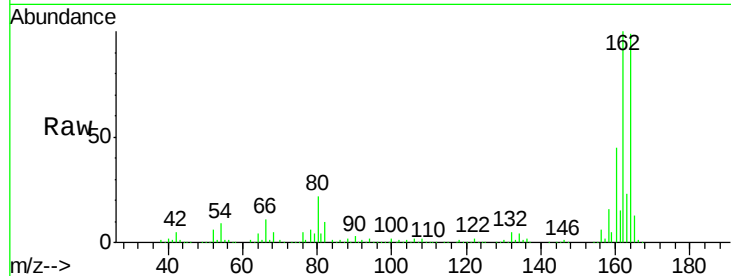




#50
 2,6-Dinitrotoluene
 Concen: 7.98 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.12 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

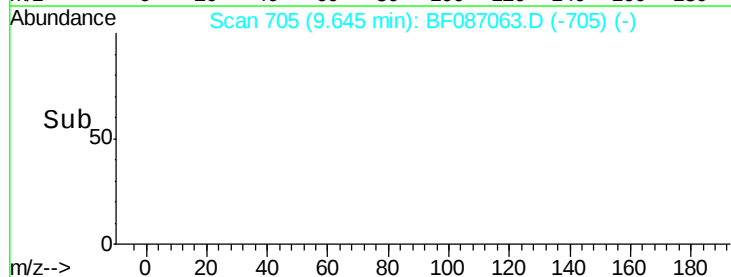
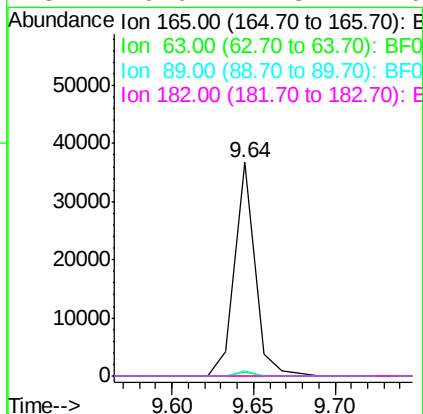
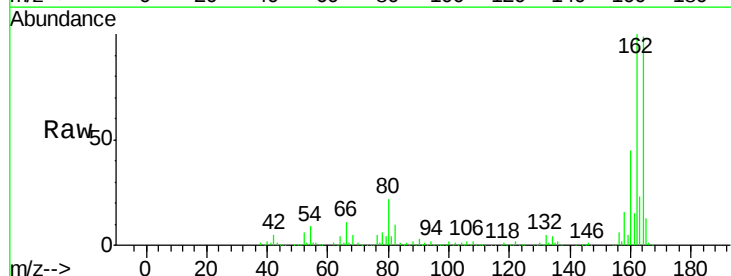
Instrument :
 BNA_F
 ClientSampleId :
 MW-06

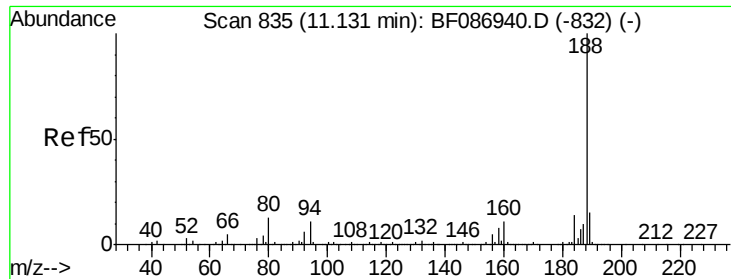
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	2.7	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.29 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.3	66.5#
89	2.7	70.0	105.0#
182	0.0	1.8	2.6#

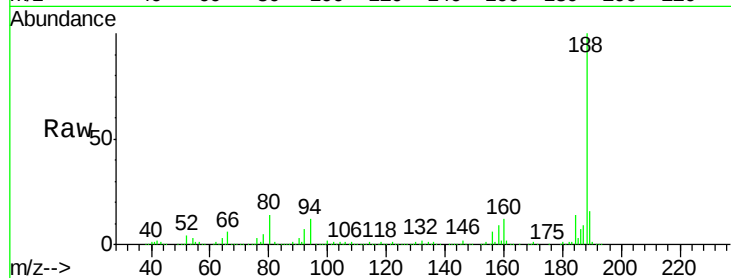




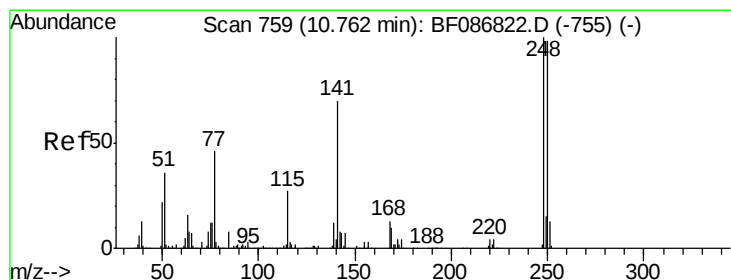
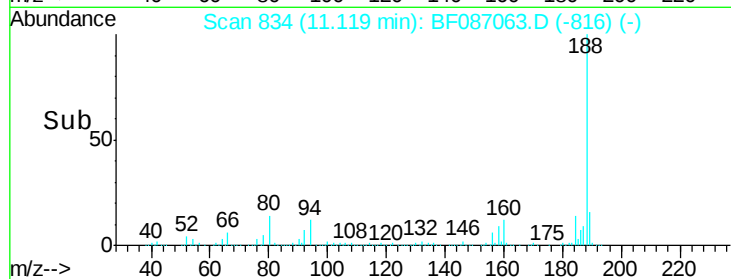
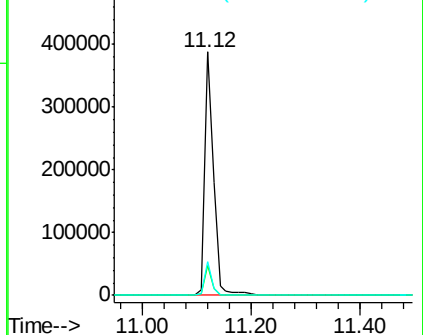
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087063.D
Acq: 15 May 2016 12:05

Instrument :
BNA_F
ClientSampleId :
MW-06

Tgt Ion:188 Resp: 427588
Ion Ratio Lower Upper
188 100
94 12.5 6.8 10.2#
80 13.8 7.1 10.7#

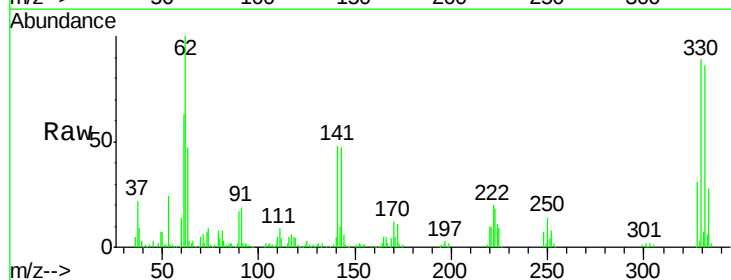


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

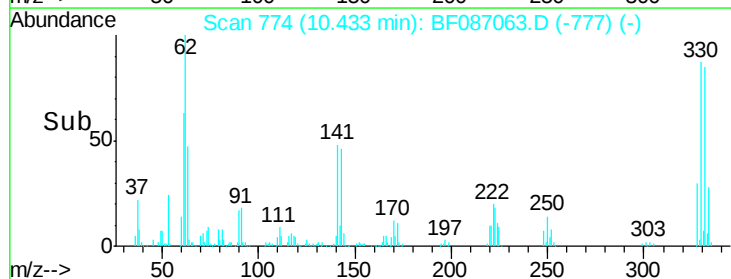
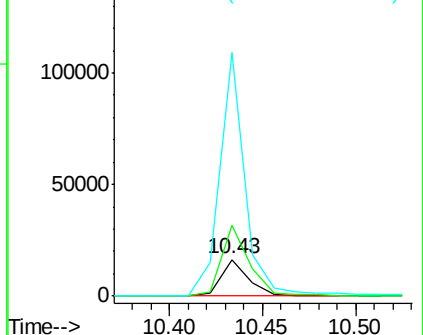


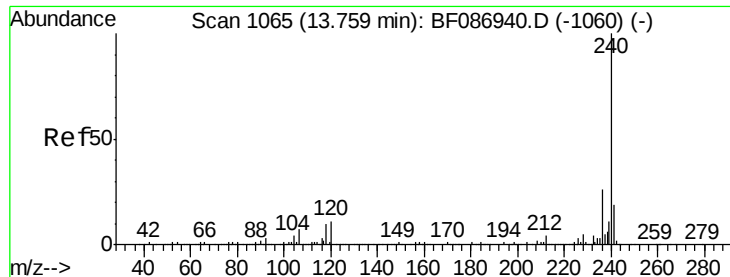
#66
4-Bromophenyl-phenylether
Concen: 3.87 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087063.D
Acq: 15 May 2016 12:05

Tgt Ion:248 Resp: 16778
Ion Ratio Lower Upper
248 100
250 190.9 78.6 117.8#
141 661.7 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: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

Instrument :

BNA_F

ClientSampleId :

MW-06

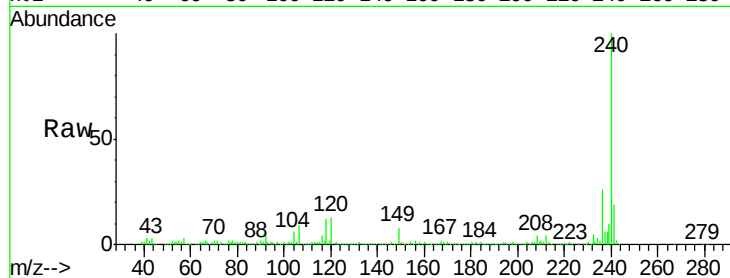
Tgt Ion:240 Resp: 285386

Ion Ratio Lower Upper

240 100

120 13.0 11.2 16.8

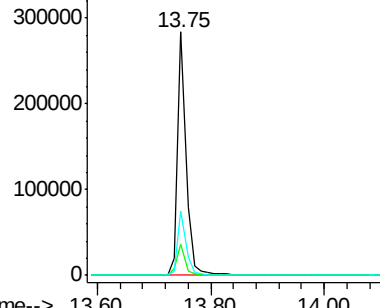
236 26.4 21.2 31.8



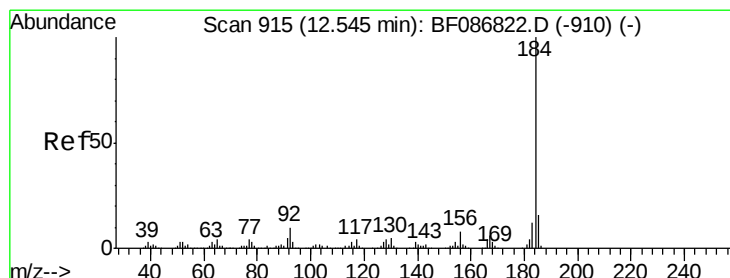
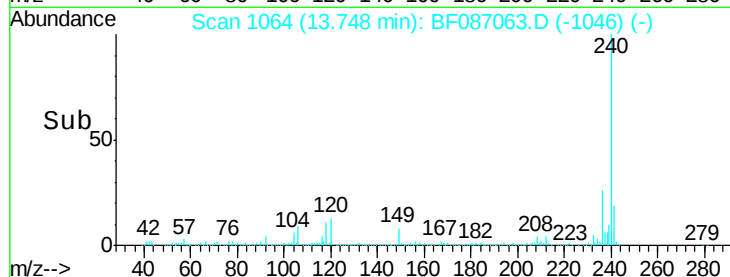
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.60 13.80 14.00



#76

Benzidine

Concen: 2.14 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.16 min

Lab File: BF087063.D

Acq: 15 May 2016 12:05

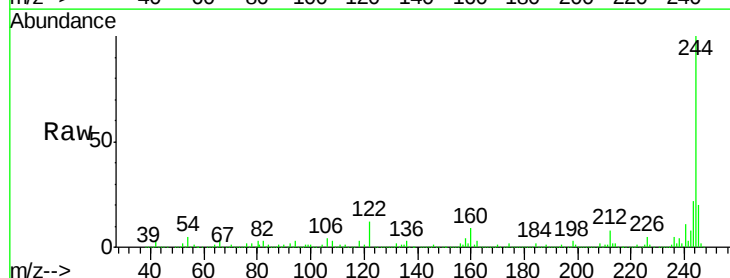
Tgt Ion:184 Resp: 15569

Ion Ratio Lower Upper

184 100

185 18.2 13.6 20.4

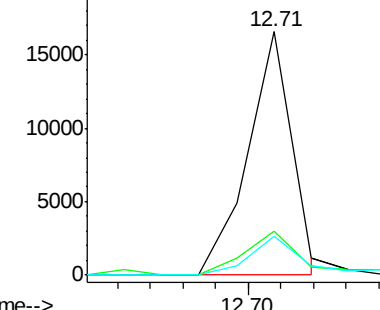
183 16.1 9.8 14.6#



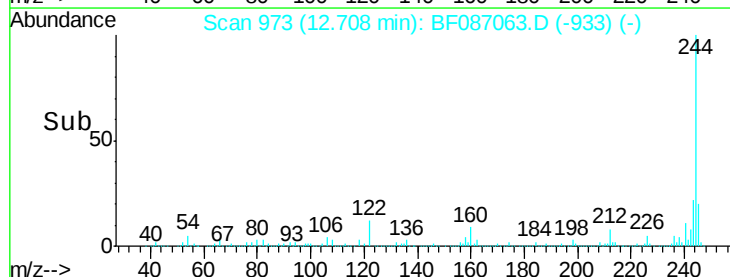
Abundance Ion 184.00 (183.70 to 184.70): E

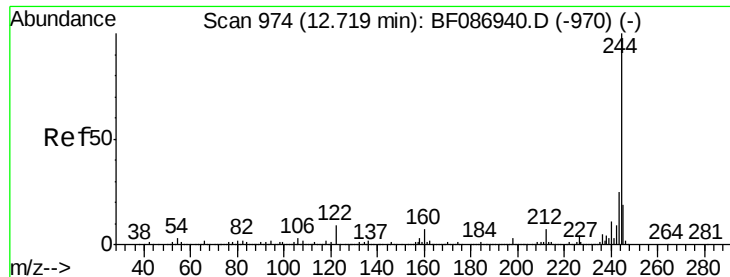
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 12.70

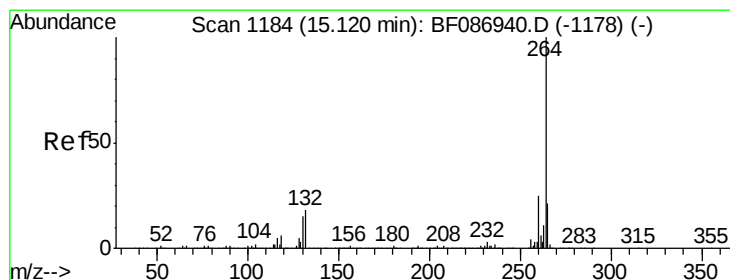
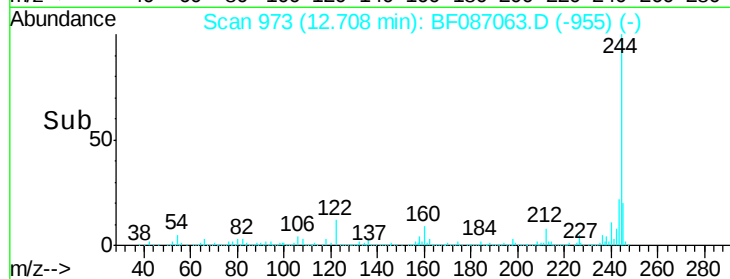
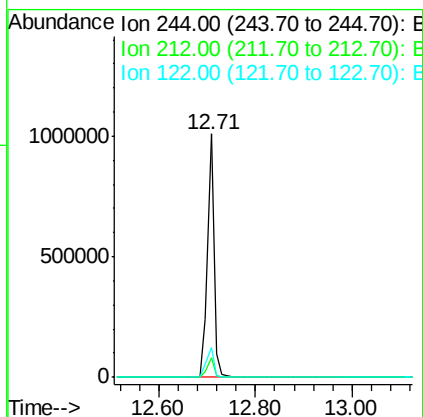
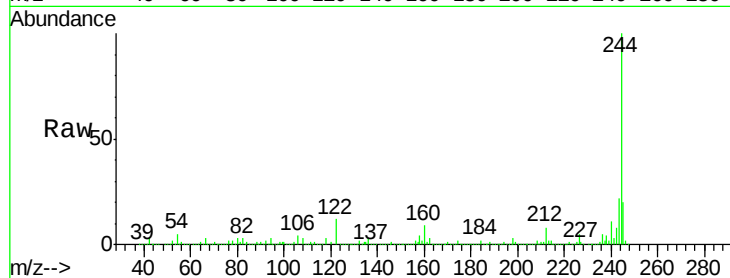




#78
 Terphenyl-d14
 Concen: 70.89 ng
 RT: 12.71 min Scan# 973
 Delta R.T. -0.09 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

Instrument :
 BNA_F
 ClientSampleId :
 MW-06

Tgt Ion:244 Resp: 953561
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 12.4 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. -0.10 min
 Lab File: BF087063.D
 Acq: 15 May 2016 12:05

Tgt Ion:264 Resp: 280589
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 21.4 17.3 25.9

