

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086771.D
 Acq On : 7 May 2016 13:48
 Operator : UM/SJ
 Sample : H2878-01
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Quant Time: May 07 23:47:34 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	171889	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	677079	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	290318	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	513093	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	341572	40.00	ng	-0.03
86) Perylene-d12	15.23	264	299793	40.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	693443	66.79	ng	-0.02
7) Phenol-d6	6.36	99	621467	44.43	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1258845	95.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	473657	166.78	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	1881647	106.24	ng	-0.03
78) Terphenyl-d14	12.81	244	1180312	69.84	ng	-0.03

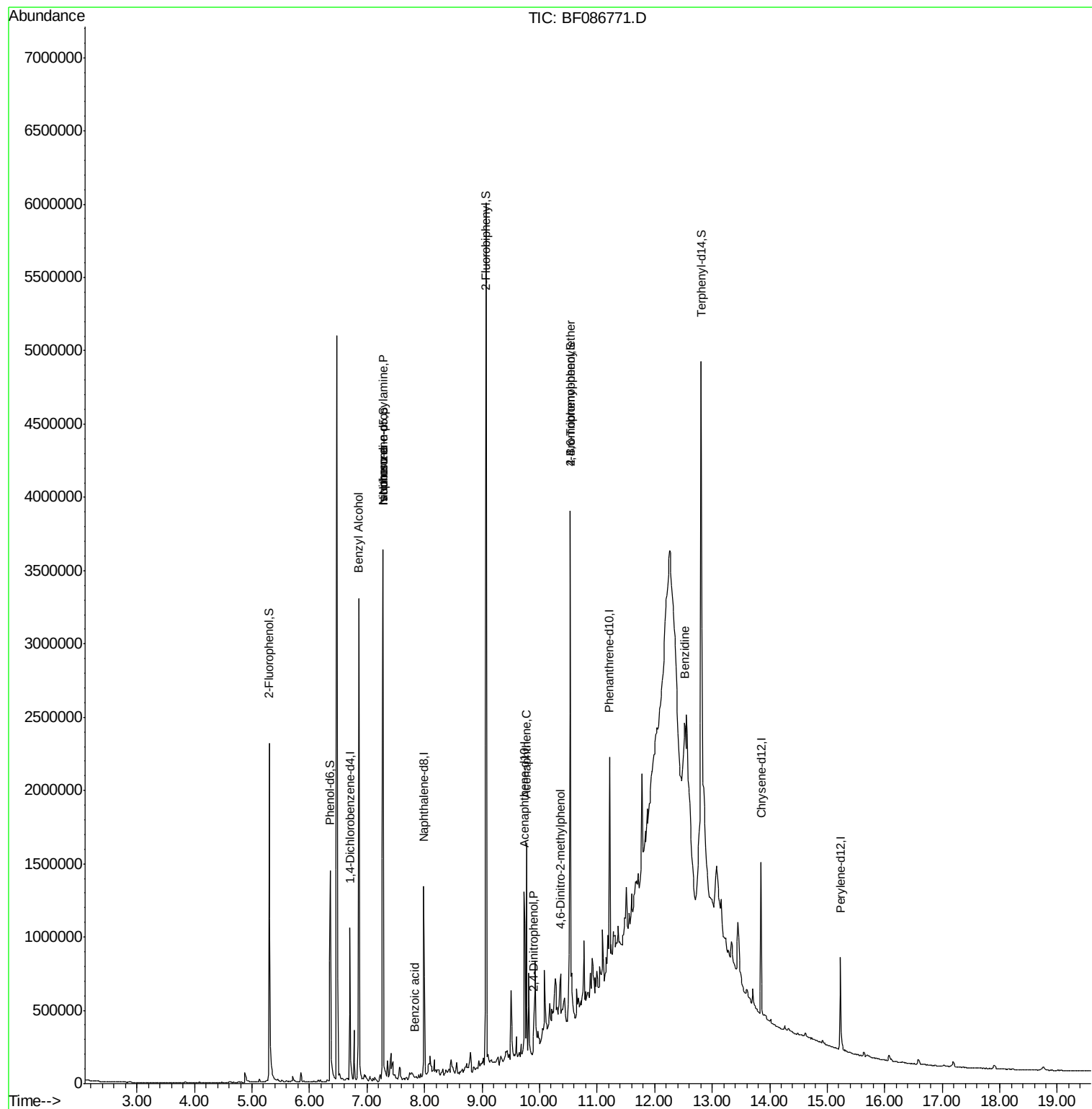
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.85	79	23610	2.61	ng	# 43
19) n-Nitroso-di-n-propylamine	7.28	70	181112	18.95	ng	# 72
25) Isophorone	7.28	82	1218549	49.66	ng	# 68
32) Benzoic acid	7.82	122	526	8.52	ng	# 36
51) Acenaphthene	9.77	154	303162	16.90	ng	98
53) 2,4-Dinitrophenol	9.89	184	263	9.05	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	248	5.32	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	30085	5.90	ng	# 1
76) Benzidine	12.52	184	2040	7.28	ng	# 1

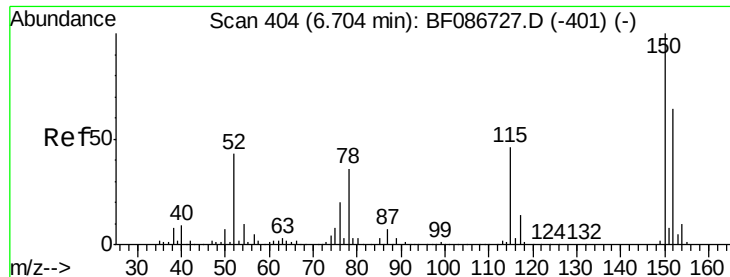
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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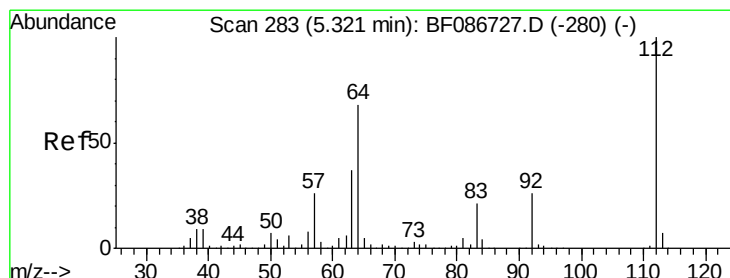
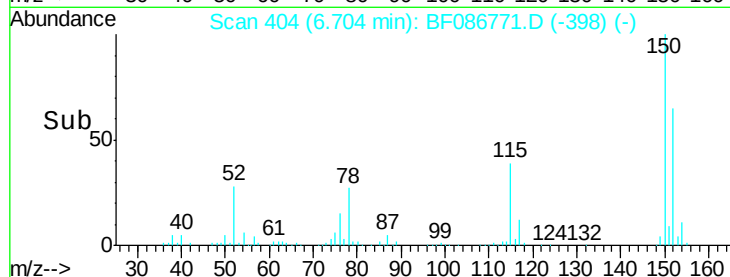
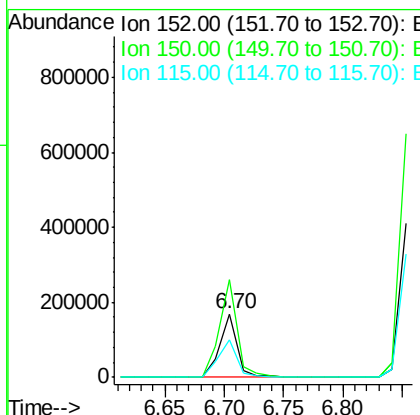
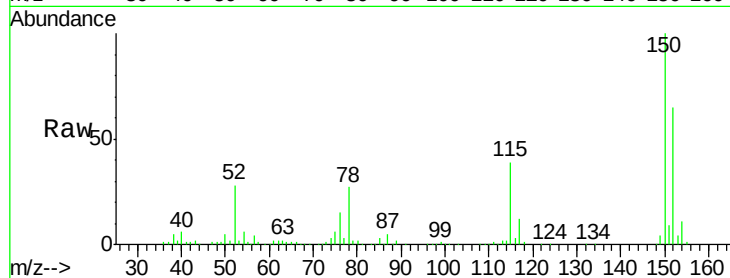


#1

1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.03 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Instrument :
BNA_F
ClientSampleId :
MW-1

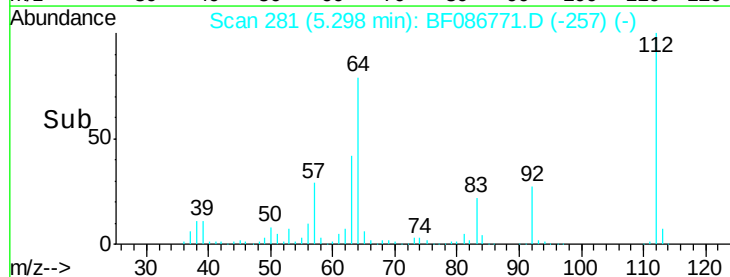
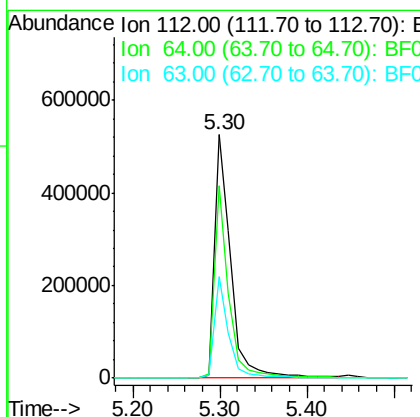
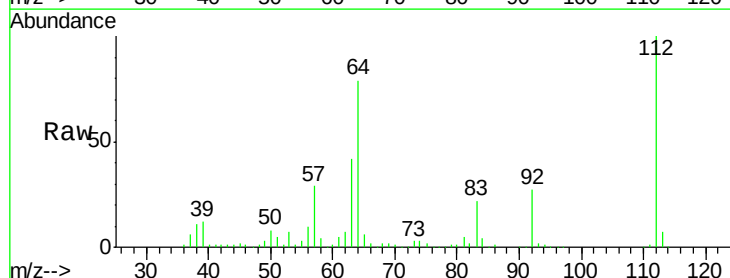
Tgt Ion:152 Resp: 171889
Ion Ratio Lower Upper
152 100
150 154.0 125.8 188.6
115 60.2 51.5 77.3

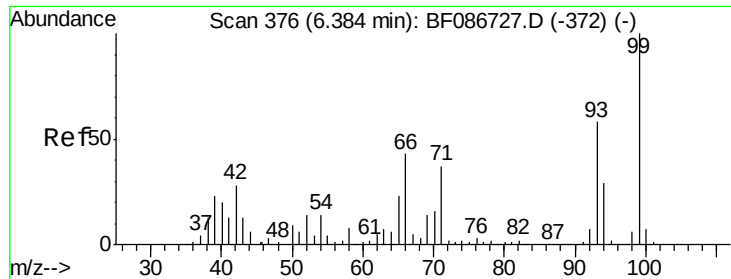


#5

2-Fluorophenol
Concen: 66.79 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.02 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Tgt Ion:112 Resp: 693443
Ion Ratio Lower Upper
112 100
64 78.9 52.1 78.1#
63 41.6 25.7 38.5#





#7

Phenol-d6

Concen: 44.43 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Instrument :

BNA_F

ClientSampleId :

MW-1

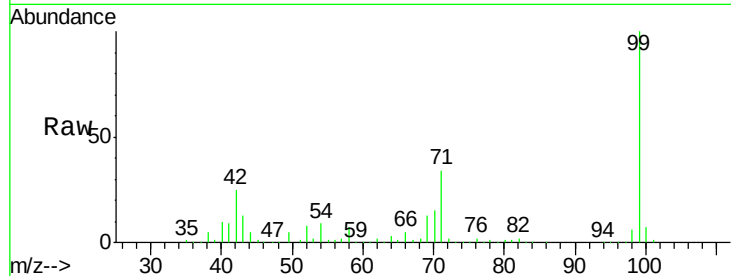
Tgt Ion: 99 Resp: 621467

Ion Ratio Lower Upper

99 100

42 24.6 13.6 20.4#

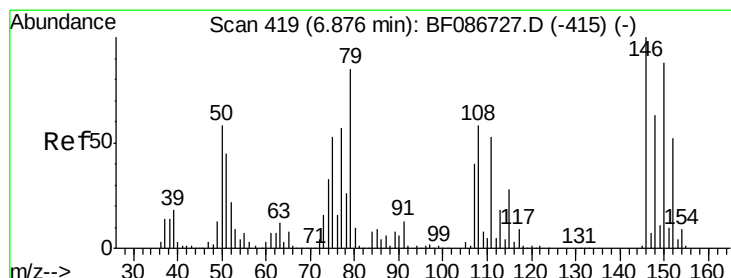
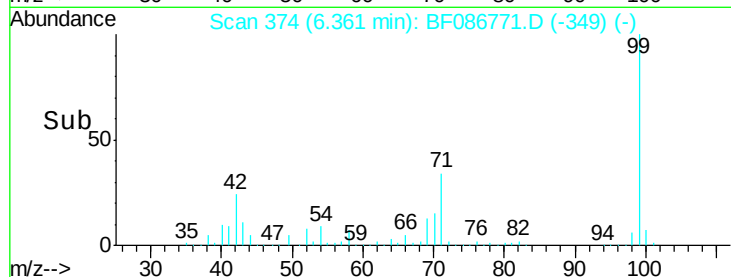
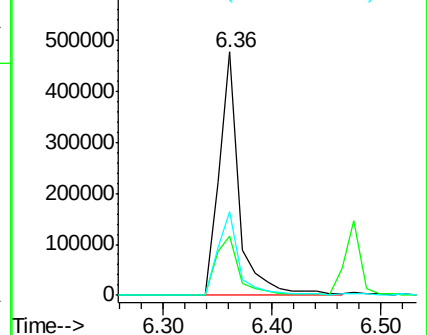
71 34.1 24.6 36.8



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



#15

Benzyl Alcohol

Concen: 2.61 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

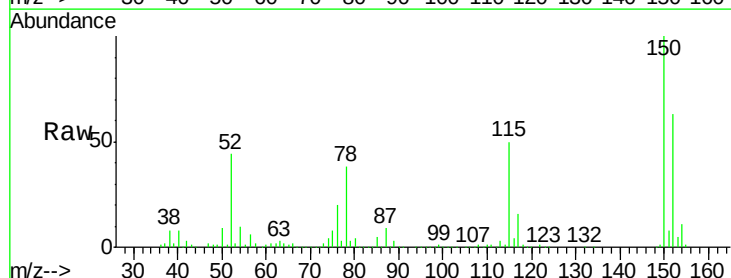
Tgt Ion: 79 Resp: 23610

Ion Ratio Lower Upper

79 100

108 27.2 68.4 102.6#

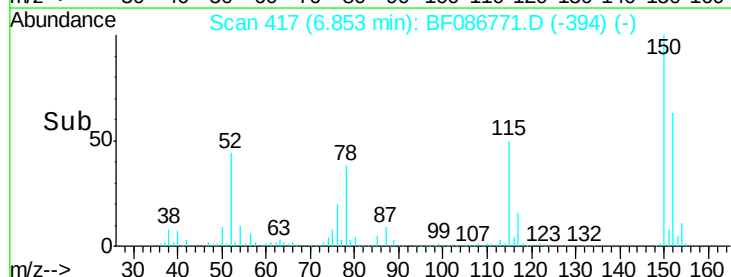
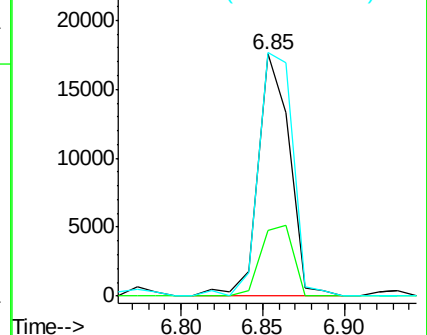
77 100.7 50.6 76.0#

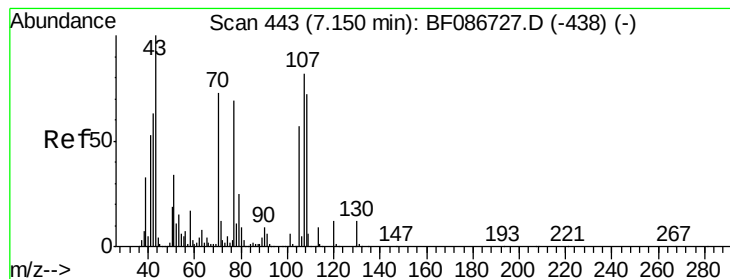


Abundance Ion 79.00 (78.70 to 79.70): BF0

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: 18.95 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Instrument :

BNA_F

ClientSampleId :

MW-1

Tgt Ion: 70 Resp: 181112

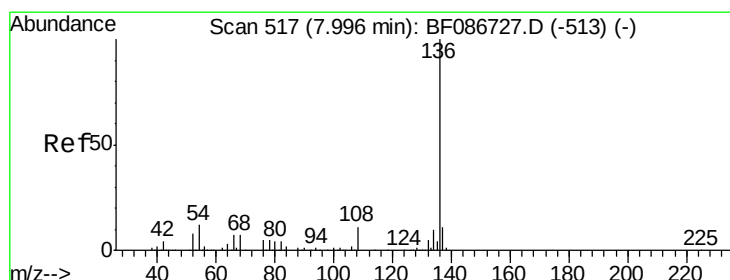
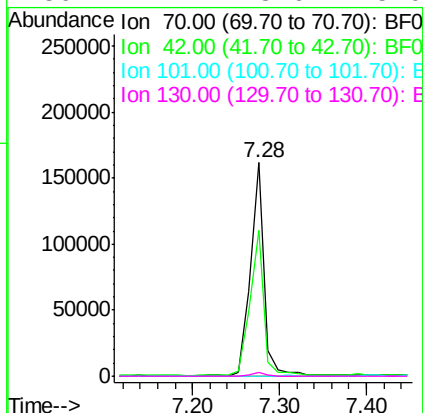
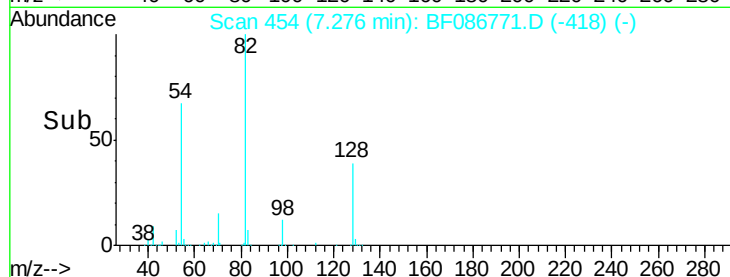
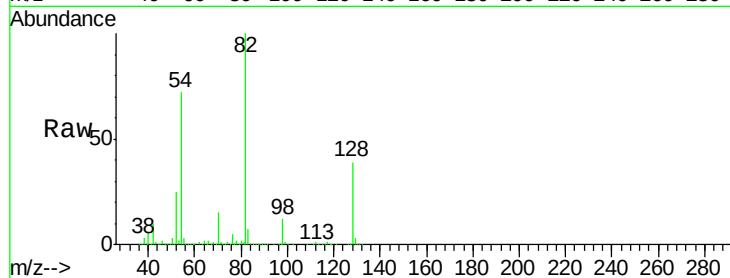
Ion Ratio Lower Upper

70 100

42 68.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Tgt Ion: 136 Resp: 677079

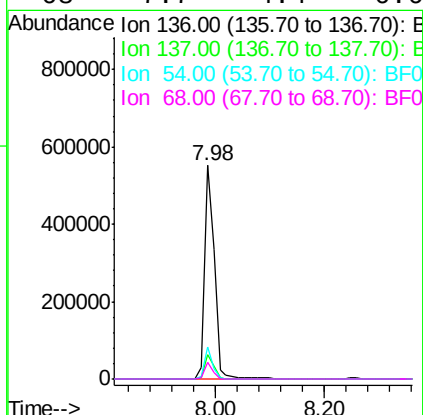
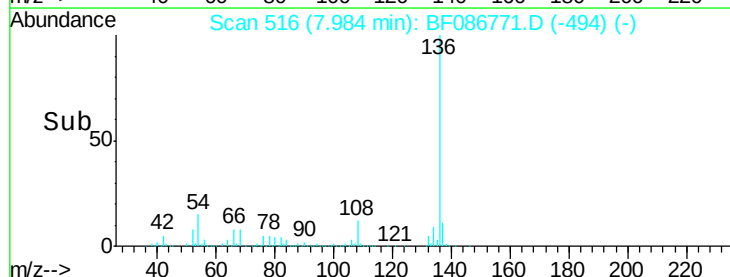
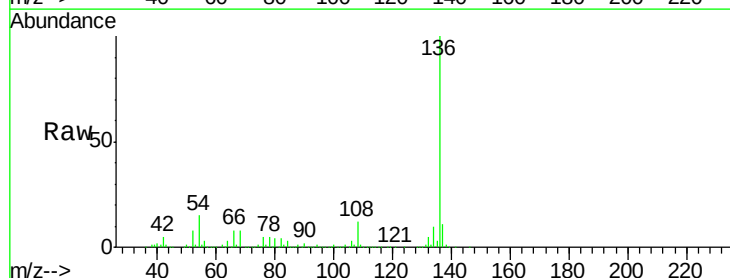
Ion Ratio Lower Upper

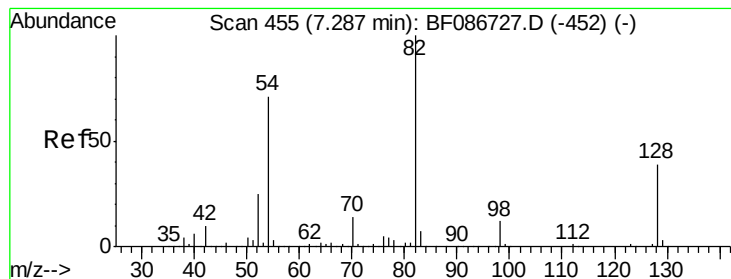
136 100

137 11.3 8.8 13.2

54 14.7 5.0 7.4#

68 7.7 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 95.54 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Instrument :

BNA_F

ClientSampled :

MW-1

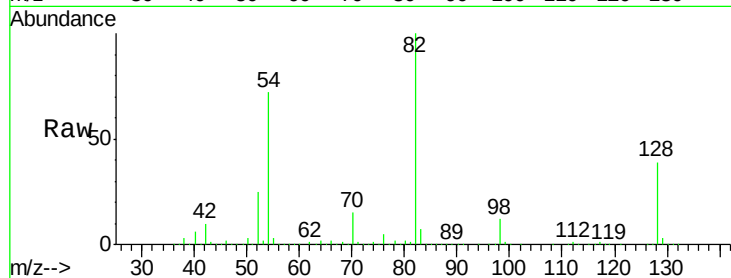
Tgt Ion: 82 Resp: 1258845

Ion Ratio Lower Upper

82 100

128 39.4 40.6 61.0#

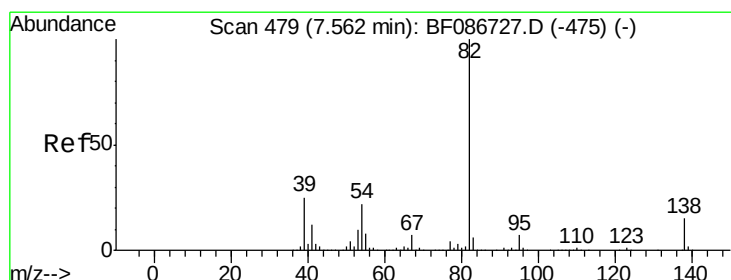
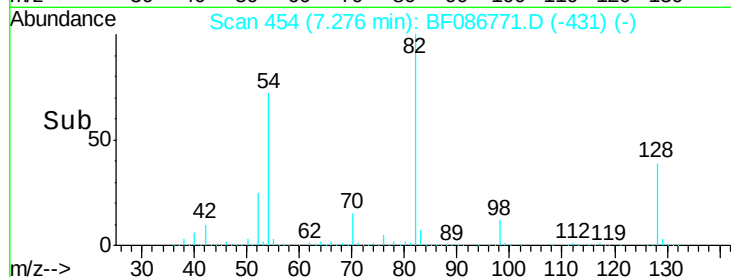
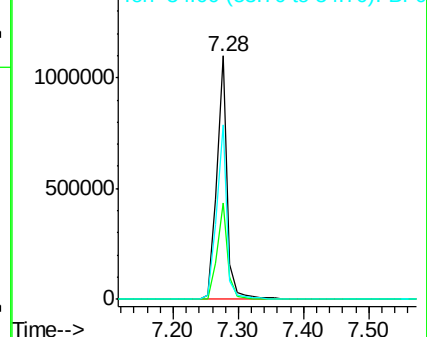
54 71.7 38.1 57.1#



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: 49.66 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

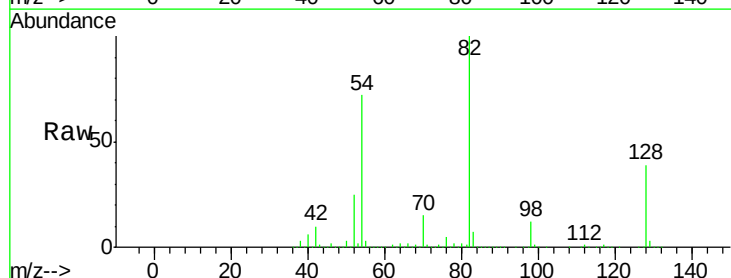
Tgt Ion: 82 Resp: 1218549

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

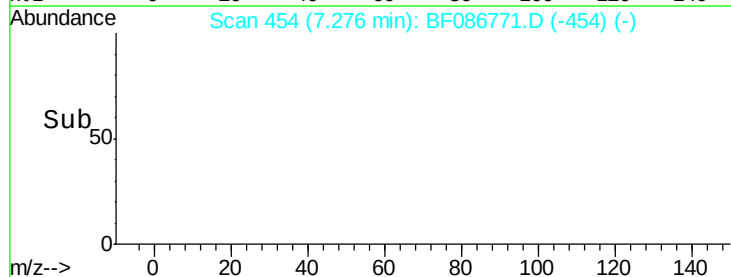
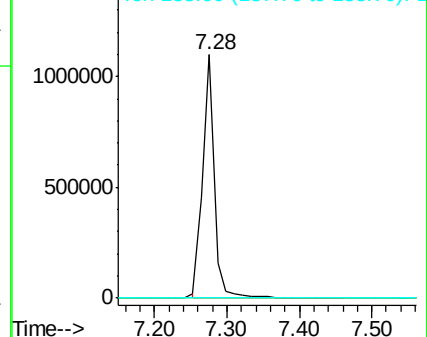
138 0.0 12.4 18.6#

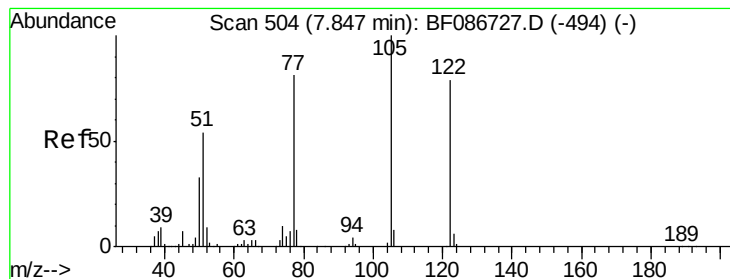


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 8.52 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.02 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Instrument :

BNA_F

ClientSampleId :

MW-1

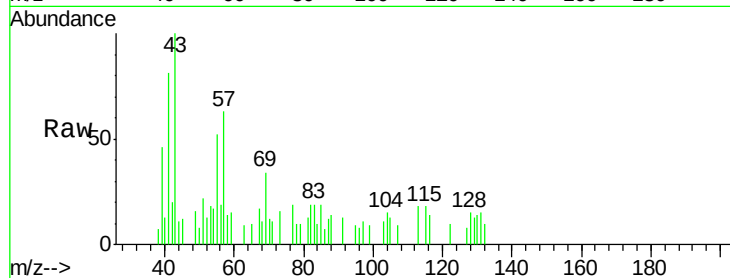
Tgt Ion:122 Resp: 526

Ion Ratio Lower Upper

122 100

105 134.1 92.6 132.6#

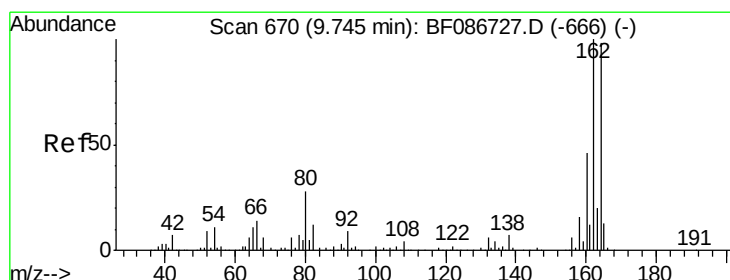
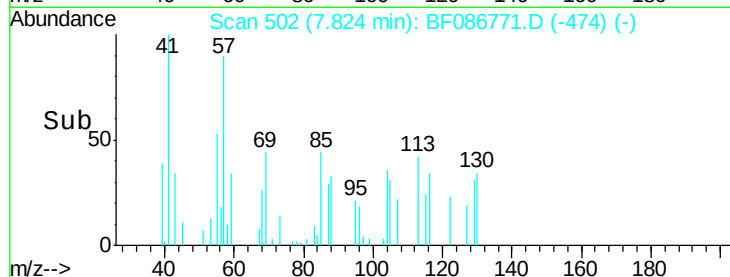
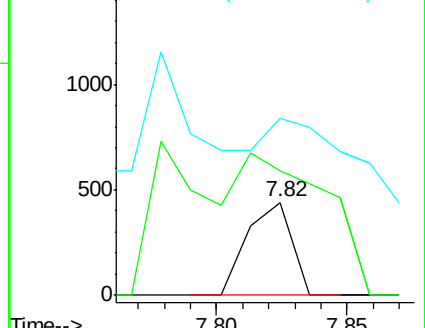
77 191.1 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

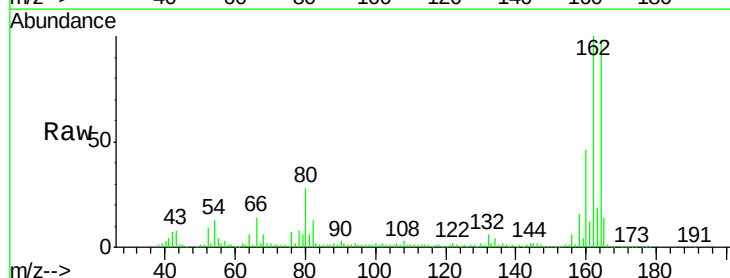
Tgt Ion:164 Resp: 290318

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

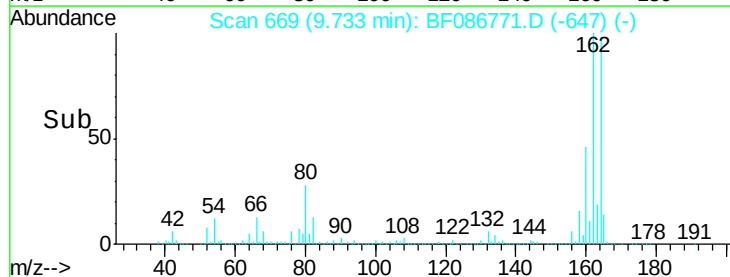
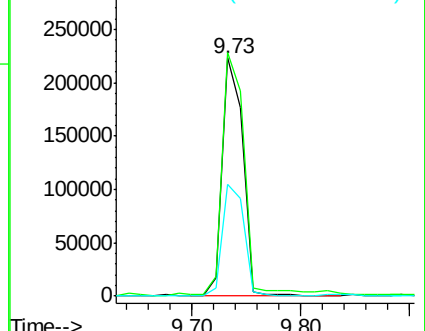
160 46.9 36.9 55.3

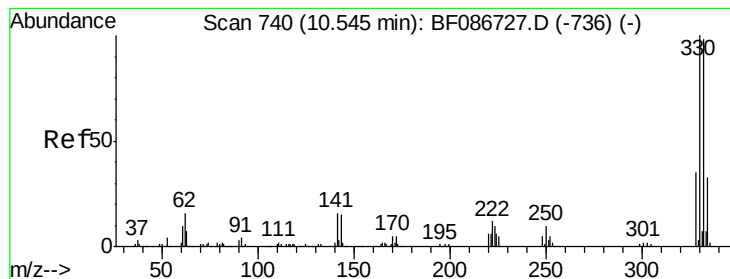


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

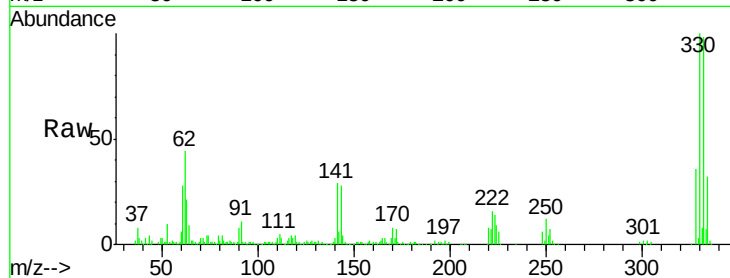




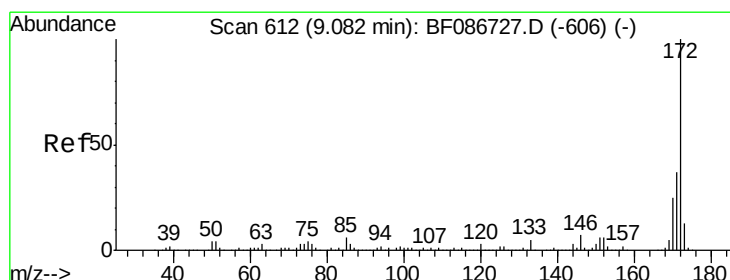
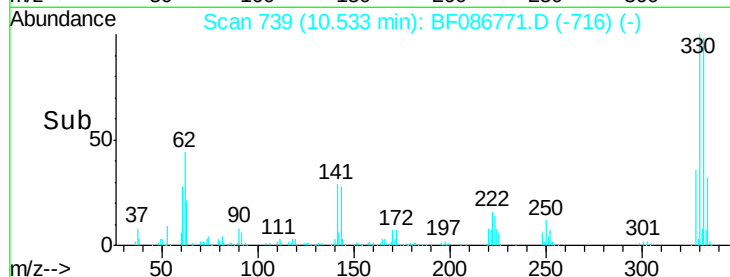
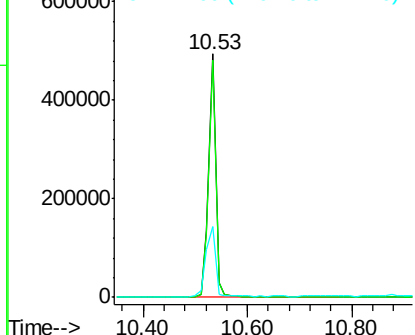
#41
 2,4,6-Tribromophenol
 Concen: 166.78 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086771.D
 Acq: 7 May 2016 13:48

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:330 Resp: 473657
 Ion Ratio Lower Upper
 330 100
 332 97.5 79.0 118.4
 141 38.8 31.2 46.8

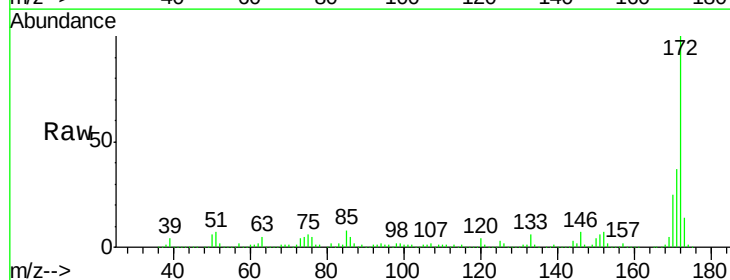


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

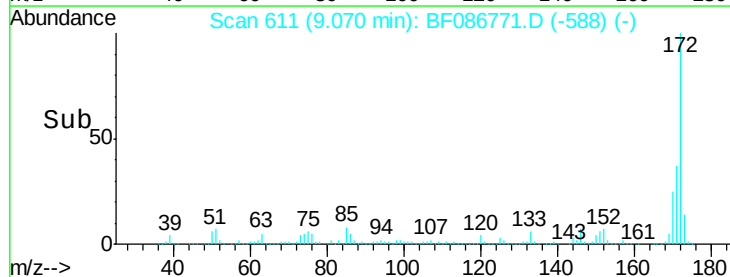
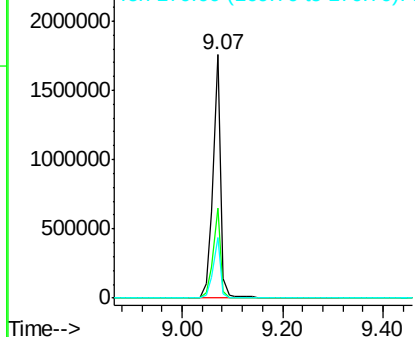


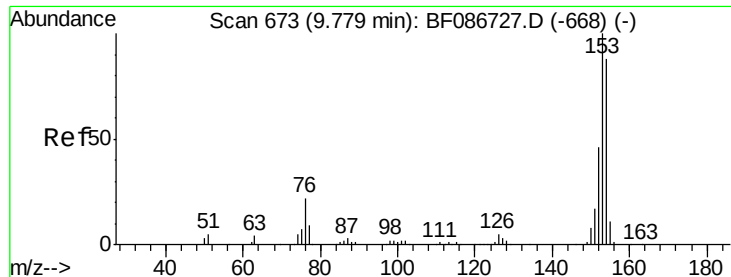
#44
 2-Fluorobiphenyl
 Concen: 106.24 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086771.D
 Acq: 7 May 2016 13:48

Tgt Ion:172 Resp: 1881647
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.0 43.6
 170 25.1 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





#51

Acenaphthene

Concen: 16.90 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

Instrument :

BNA_F

ClientSampleId :

MW-1

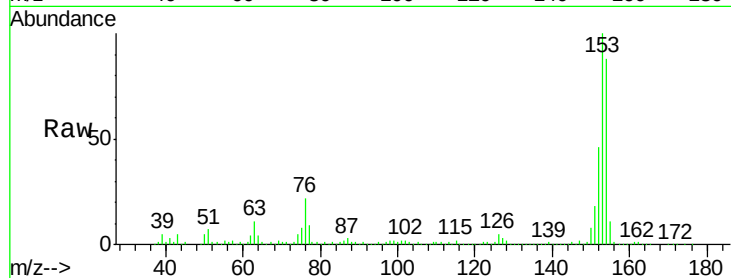
Tgt Ion:154 Resp: 303162

Ion Ratio Lower Upper

154 100

153 113.3 89.8 134.6

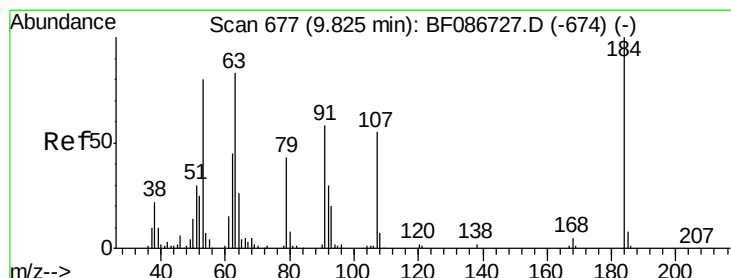
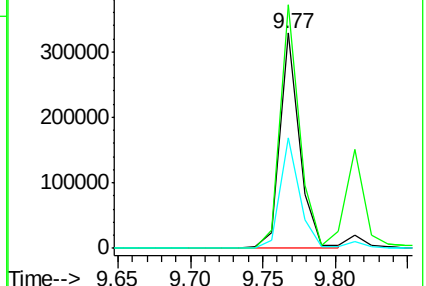
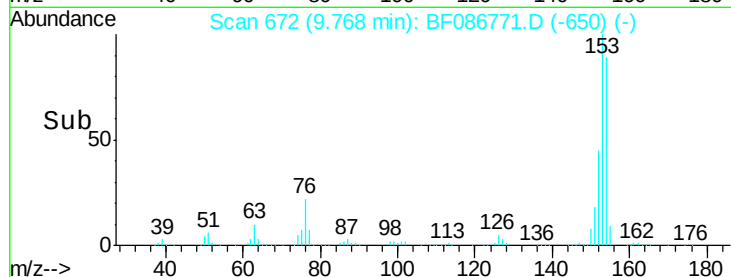
152 51.7 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 9.05 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.05 min

Lab File: BF086771.D

Acq: 7 May 2016 13:48

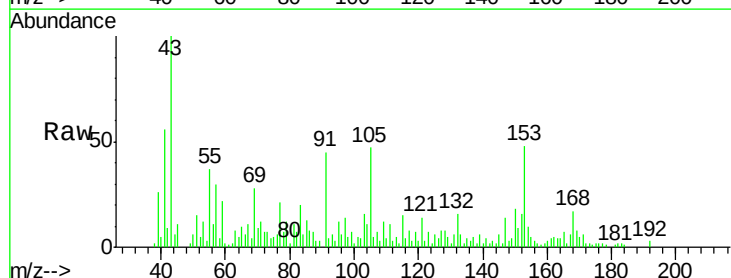
Tgt Ion:184 Resp: 263

Ion Ratio Lower Upper

184 100

63 536.0 55.8 83.8#

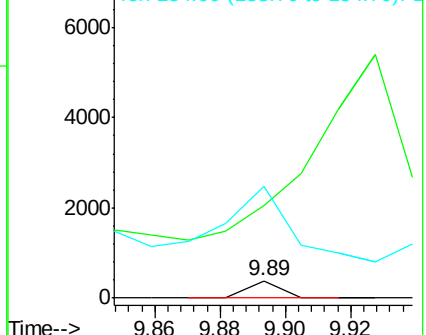
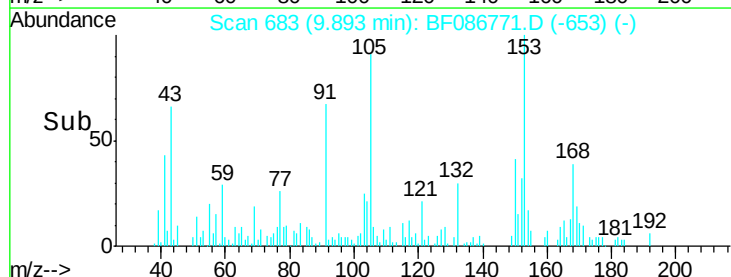
154 646.2 62.4 93.6#

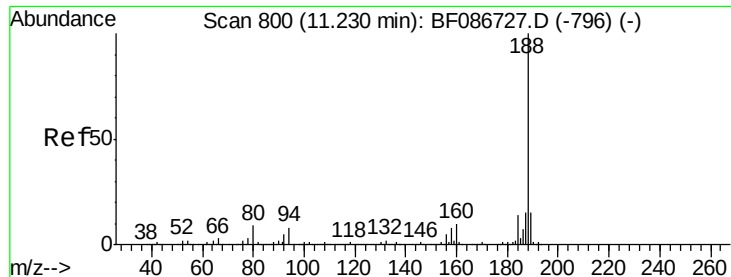


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

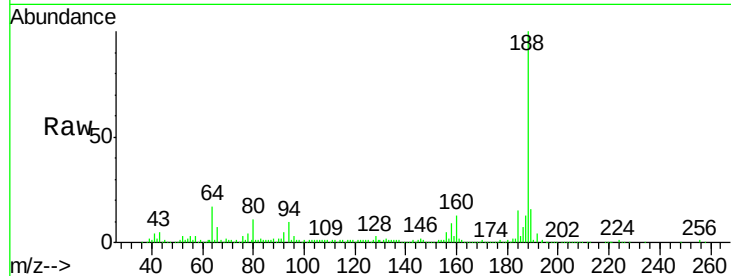




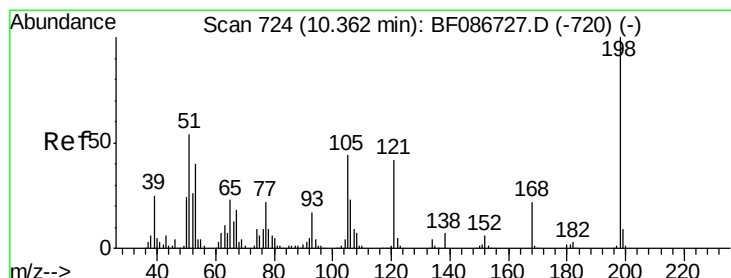
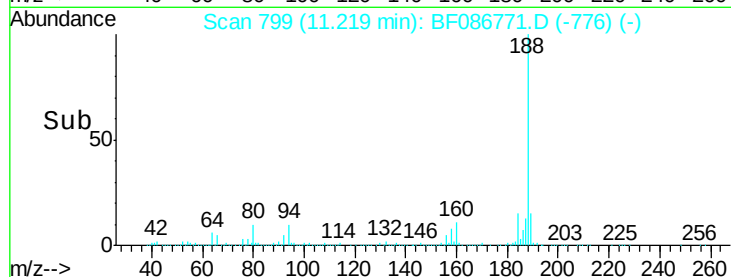
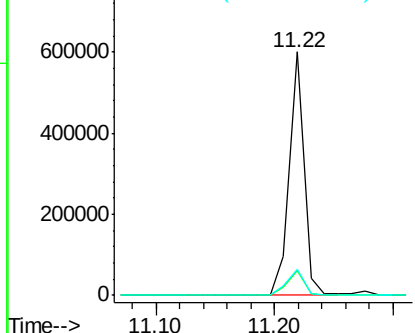
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.03 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion:188 Resp: 513093
Ion Ratio Lower Upper
188 100
94 10.0 6.8 10.2
80 10.6 7.1 10.7

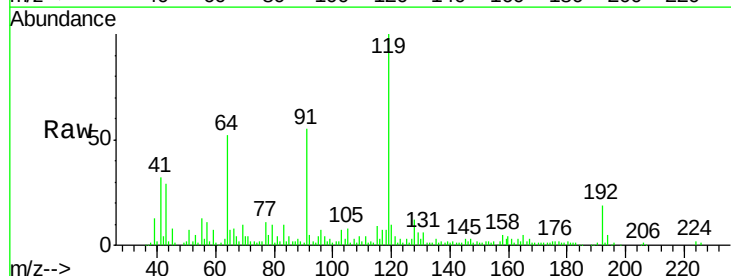


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

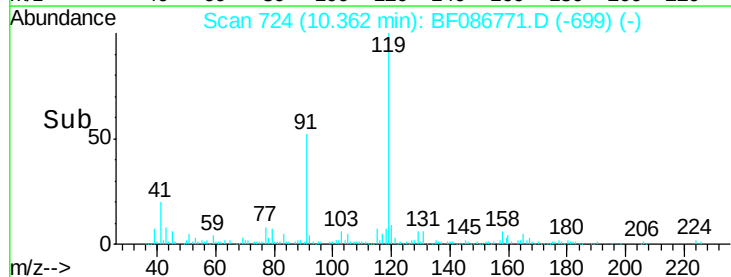
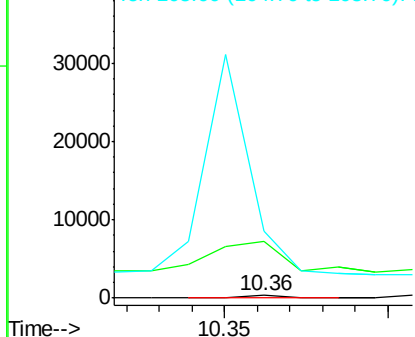


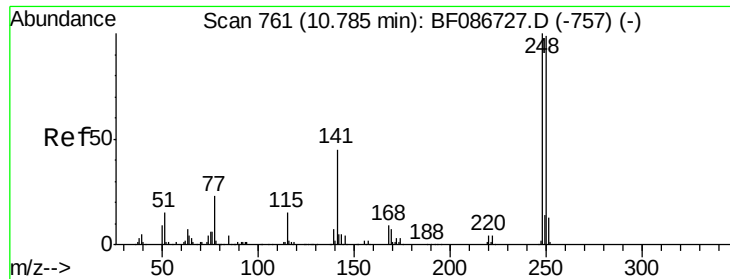
#64
4,6-Dinitro-2-methylphenol
Concen: 5.32 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Tgt Ion:198 Resp: 248
Ion Ratio Lower Upper
198 100
51 2003.0 20.5 60.5#
105 2366.9 24.5 64.5#



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

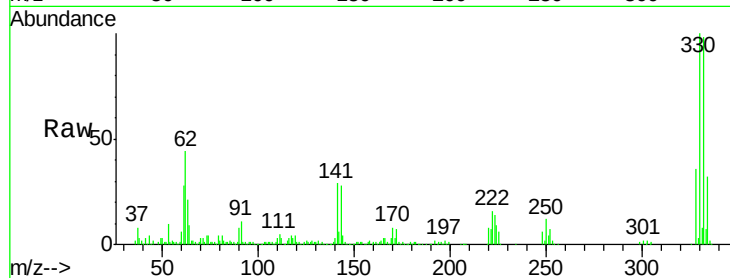




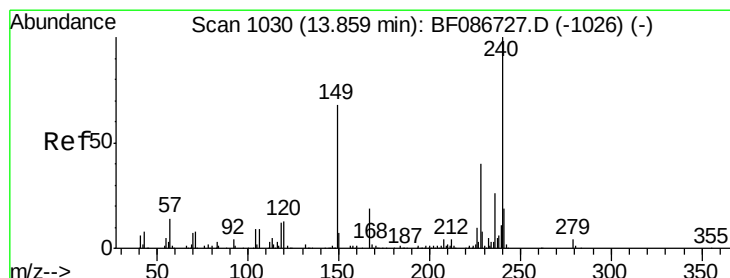
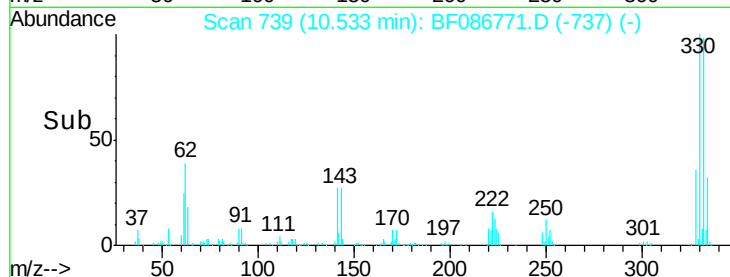
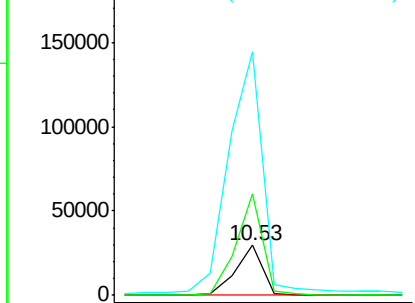
#66
 4-Bromophenyl-phenylether
 Concen: 5.90 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.27 min
 Lab File: BF086771.D
 Acq: 7 May 2016 13:48

Instrument :
 BNA_F
 ClientSampleId :
 MW-1

Tgt Ion:248 Resp: 30085
 Ion Ratio Lower Upper
 248 100
 250 202.8 78.6 117.8#
 141 485.0 76.0 114.0#

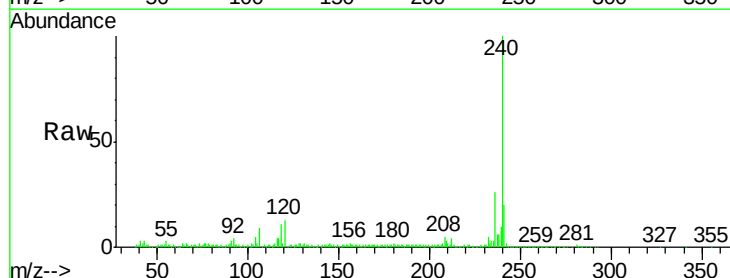


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

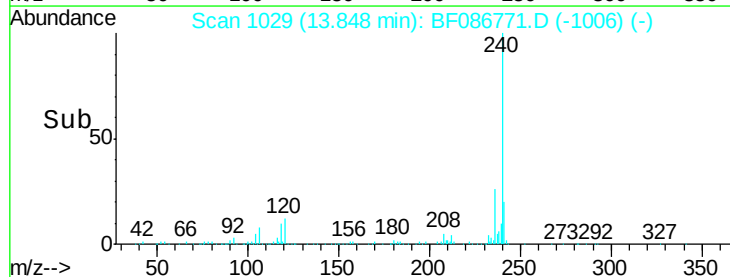
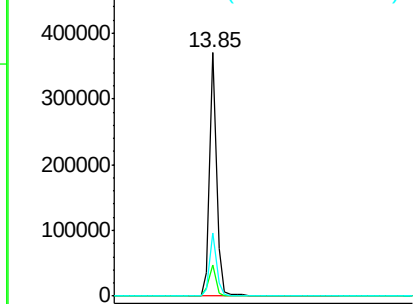


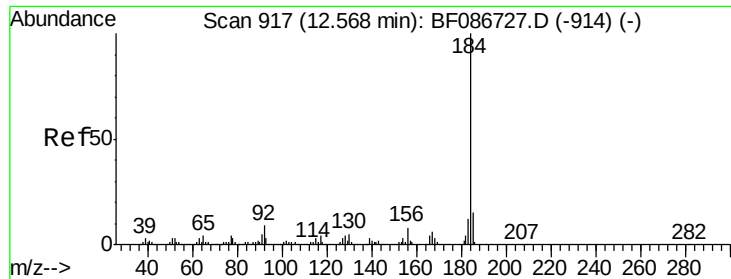
#75
 Chrysene-d12
 Concen: 40.00 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.03 min
 Lab File: BF086771.D
 Acq: 7 May 2016 13:48

Tgt Ion:240 Resp: 341572
 Ion Ratio Lower Upper
 240 100
 120 12.6 11.2 16.8
 236 26.1 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

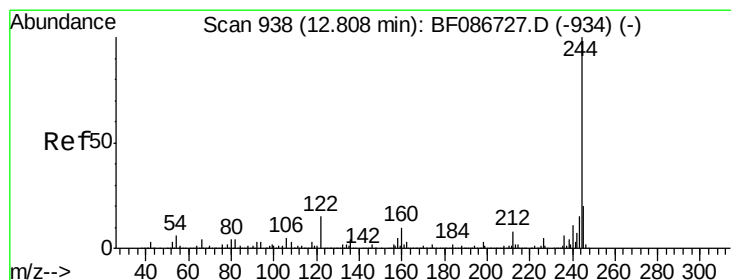
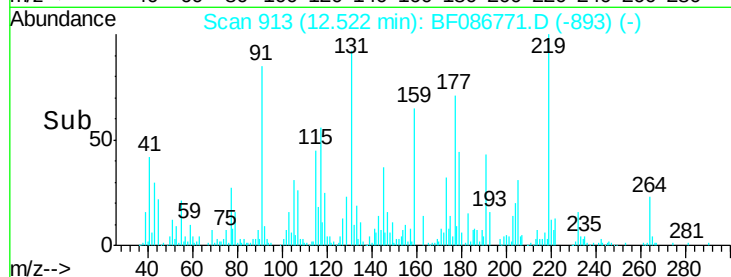
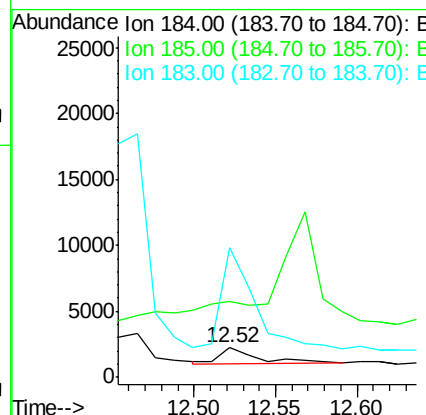
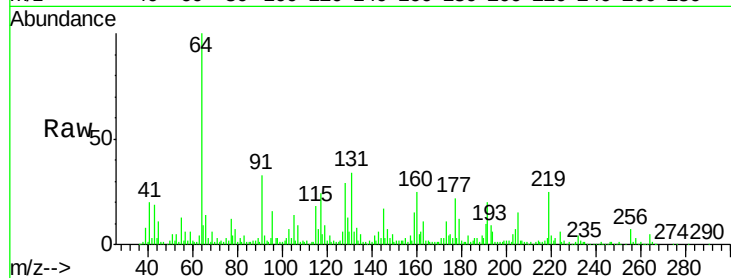




#76
Benzidine
Concen: 7.28 ng
RT: 12.52 min Scan# 913
Delta R.T. -0.07 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

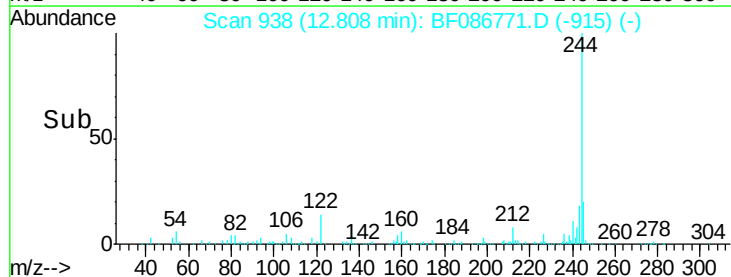
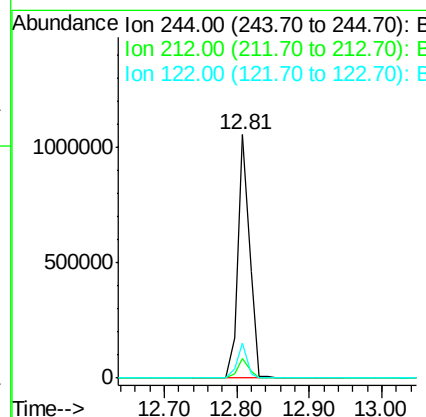
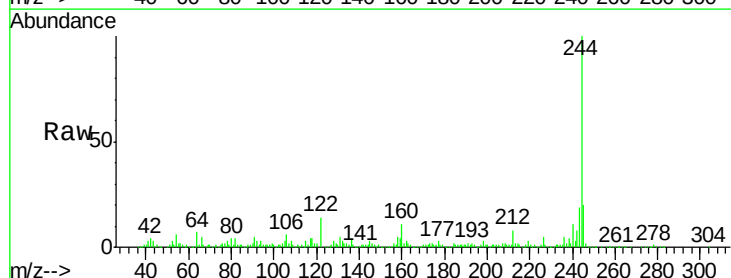
Instrument :
BNA_F
ClientSampled :
MW-1

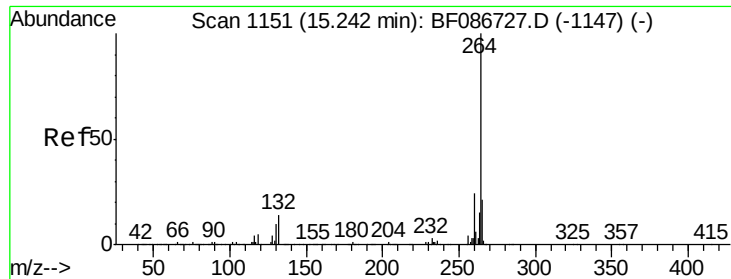
Tgt Ion:184 Resp: 2040
Ion Ratio Lower Upper
184 100
185 257.4 13.6 20.4#
183 439.6 9.8 14.6#



#78
Terphenyl-d14
Concen: 69.84 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.03 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Tgt Ion:244 Resp: 1180312
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 14.3 12.0 18.0





#86
Perylene-d12
Concen: 40.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF086771.D
Acq: 7 May 2016 13:48

Instrument :
BNA_F
ClientSampleId :
MW-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.8	17.3	25.9

