

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\
 Data File : BF086963.D
 Acq On : 13 May 2016 9:08
 Operator : UM/SJ
 Sample : H2994-18
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 13 14:36:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

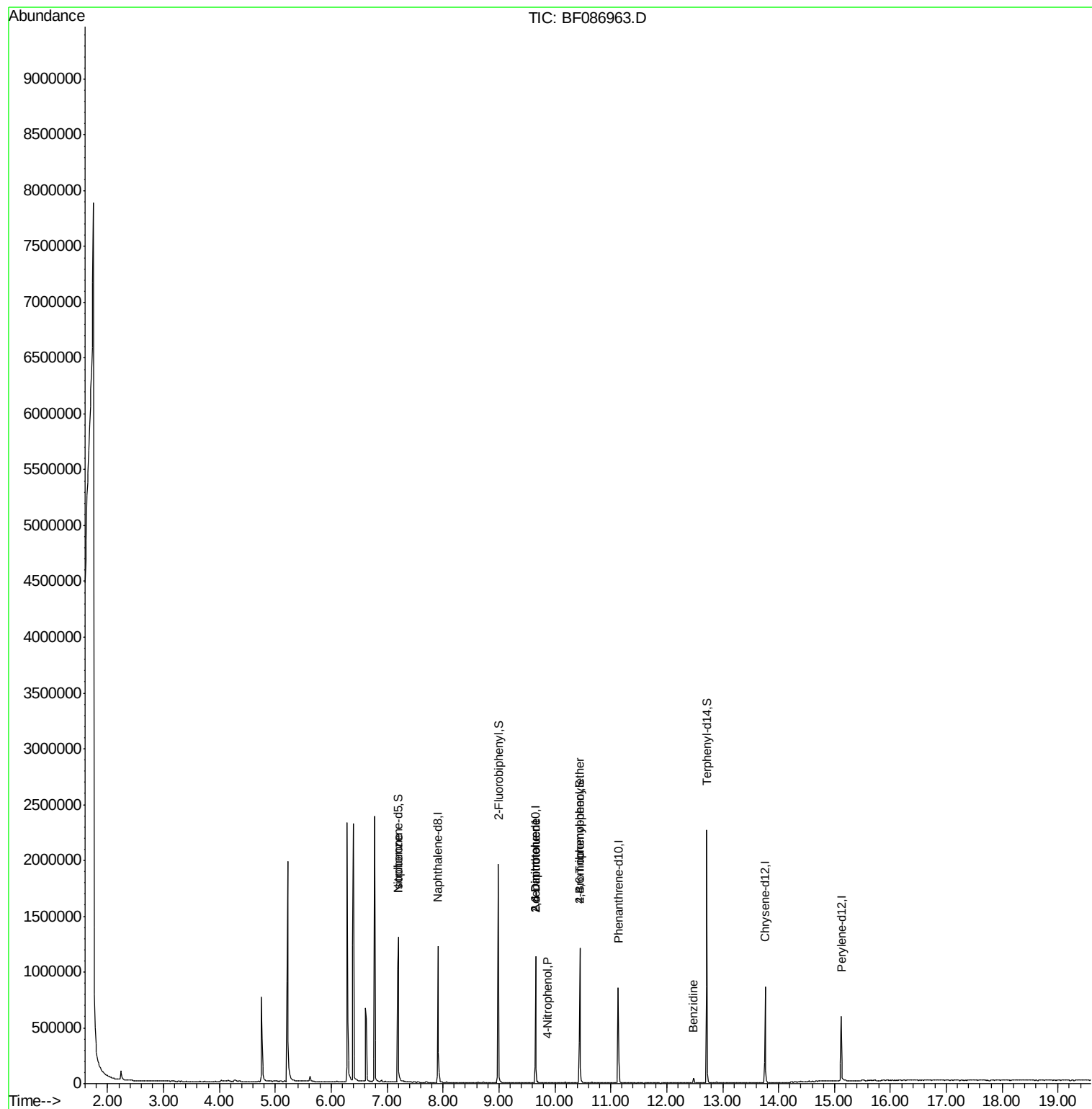
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	504213	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	200286	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	305233	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	288430	20.00	ng	-0.08
86) Perylene-d12	15.12	264	233768	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	602673	0.00	ng	-0.07
7) Phenol-d6	6.28	99	709402	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	553766	55.15	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	140304	66.17	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	856132	71.84	ng	-0.07
78) Terphenyl-d14	12.72	244	702094	51.65	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	545131	29.26	ng	# 68
50) 2,6-Dinitrotoluene	9.66	165	24892	7.74	ng	# 20
55) 4-Nitrophenol	9.86	139	617	4.82	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	24893	6.26	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	8428	2.72	ng	# 1
76) Benzidine	12.48	184	33171	4.51	ng	95

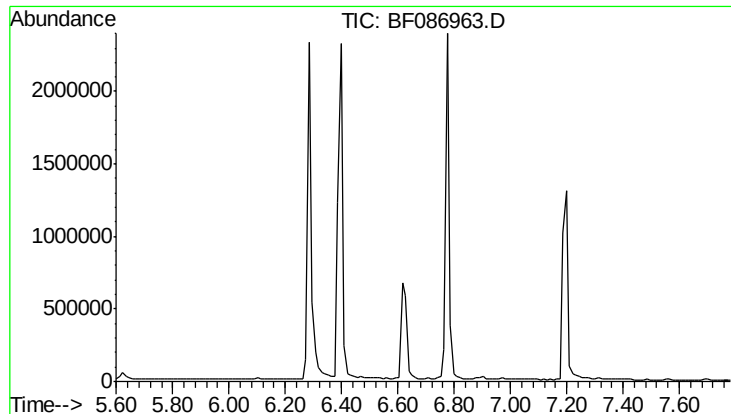
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

Instrument :

BNA_F

ClientSampleId :

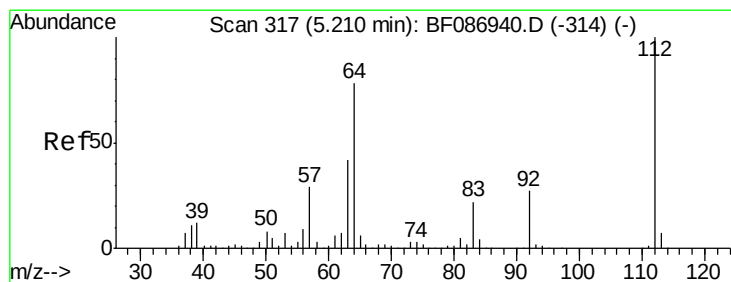
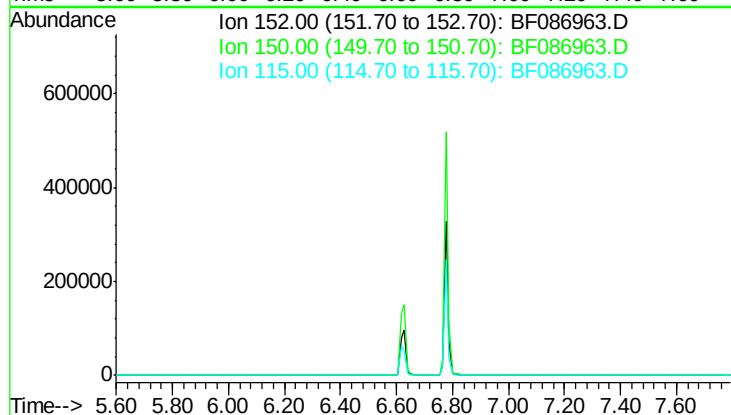
Tot Ion: 152

Sig Exp Ratio

152 100

150 157.2

115 64.4



#5

2-Fluorophenol

Concen: 0.00 ng

RT: 5.22 min Scan# 318

Delta R.T. -0.07 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

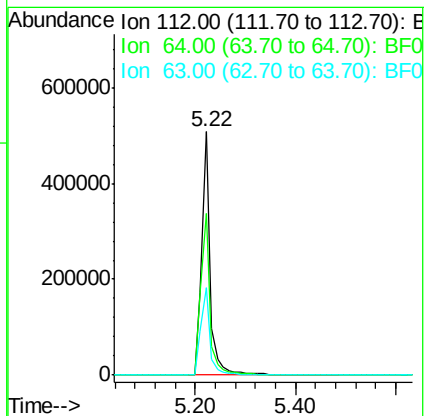
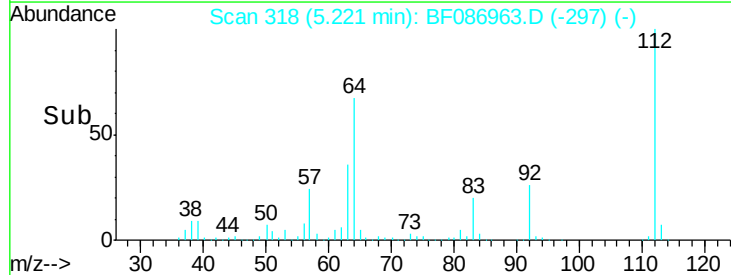
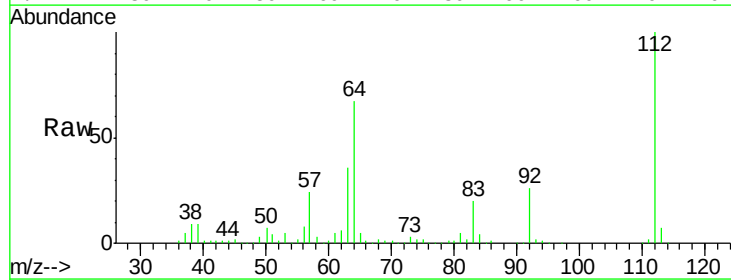
Tgt Ion:112 Resp: 602673

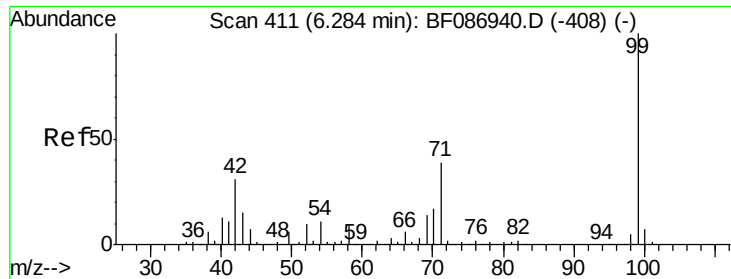
Ion Ratio Lower Upper

112 100

64 66.6 52.1 78.1

63 35.9 25.7 38.5





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

Instrument :

BNA_F

ClientSampled :

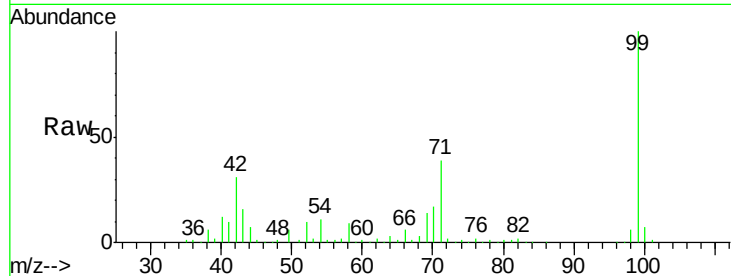
Tot Ion: 99 Resp: 709402

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

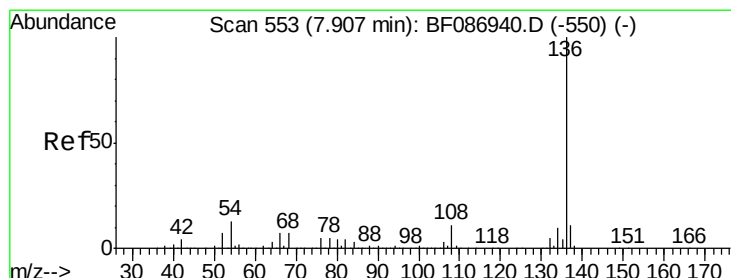
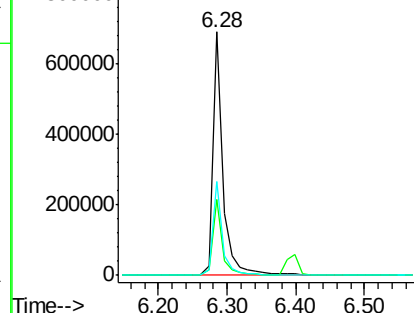
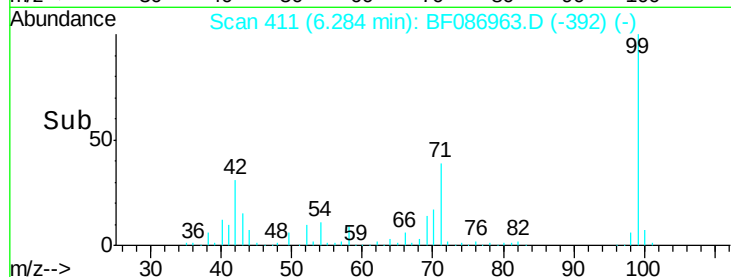
71 38.7 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

Tgt Ion: 136 Resp: 504213

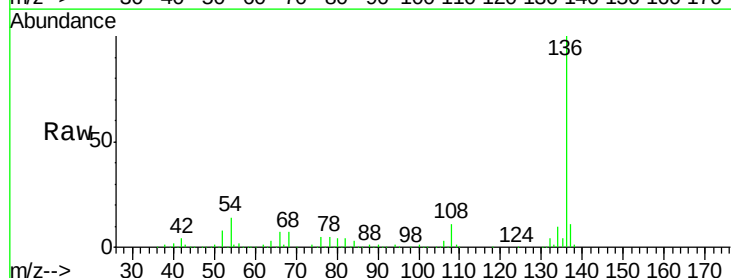
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 13.9 5.0 7.4#

68 7.3 4.4 6.6#

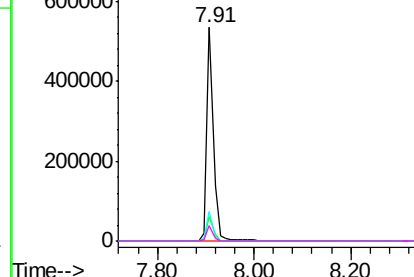
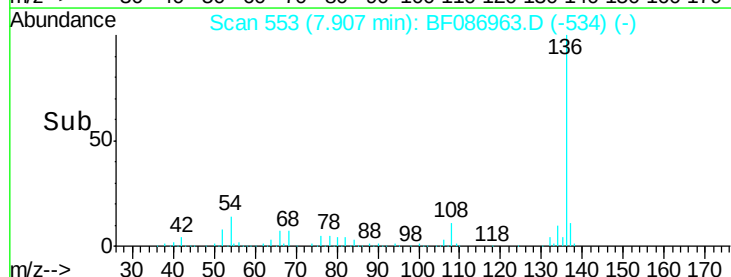


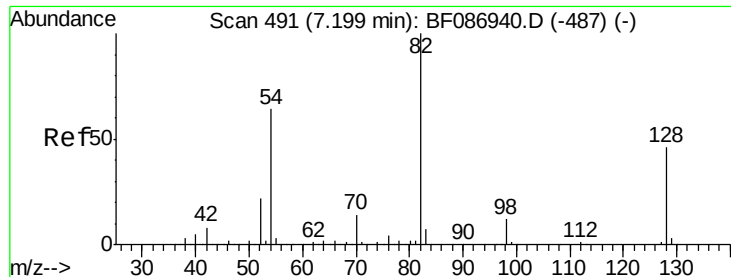
Abundance Ion 136.00 (135.70 to 136.70): E

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

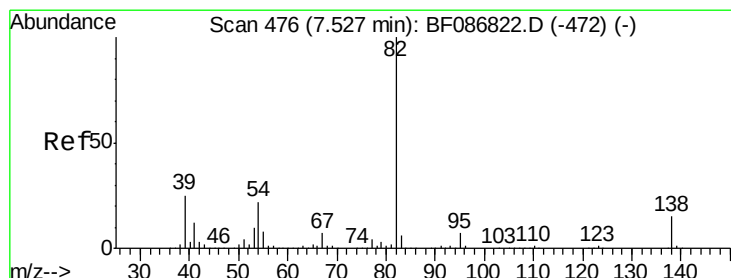
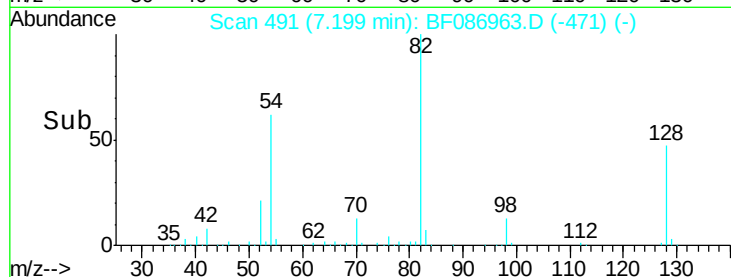
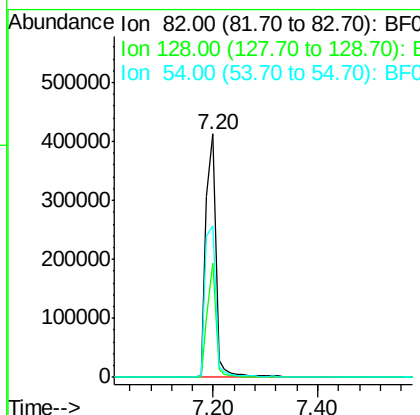
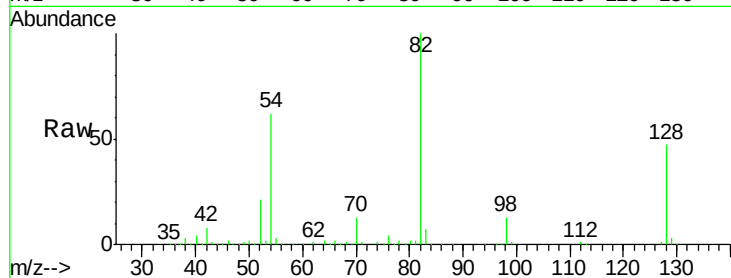




#23
 Nitrobenzene-d5
 Concen: 55.15 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

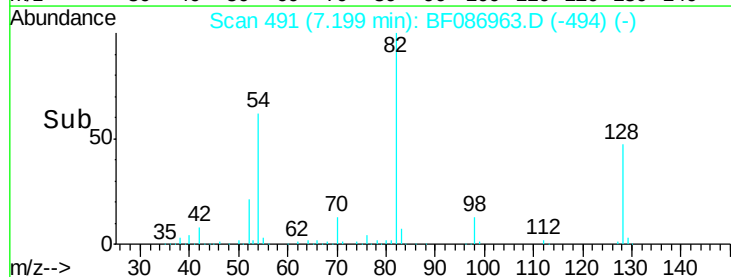
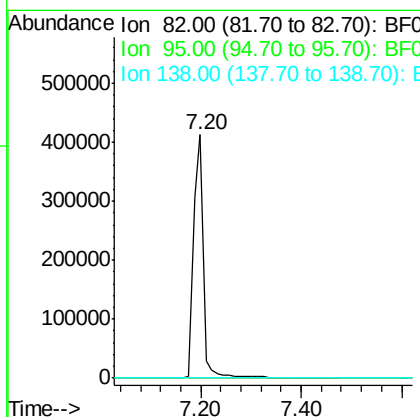
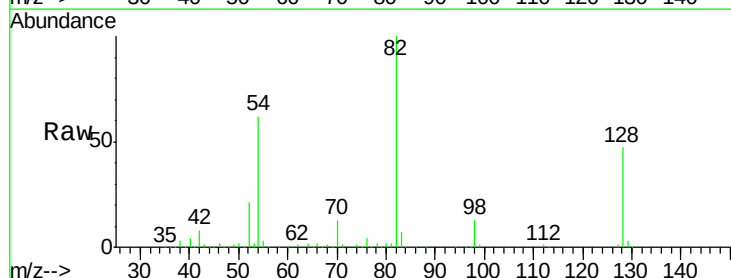
Instrument :
 BNA_F
 ClientSampled :

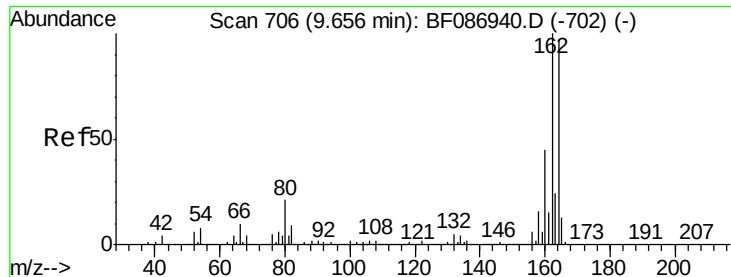
Tot Ion	82	Resp	553766
Ion	Ratio	Lower	Upper
82	100		
128	46.9	40.6	61.0
54	62.1	38.1	57.1#



#25
 Isophorone
 Concen: 29.26 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

Tgt Ion	82	Resp	545131
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

Instrument :

BNA_F

ClientSampleId :

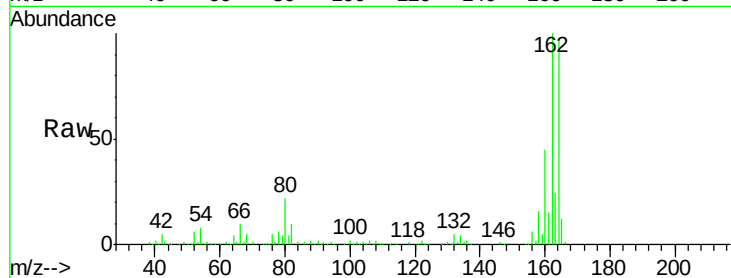
Tot Ion:164 Resp: 200286

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

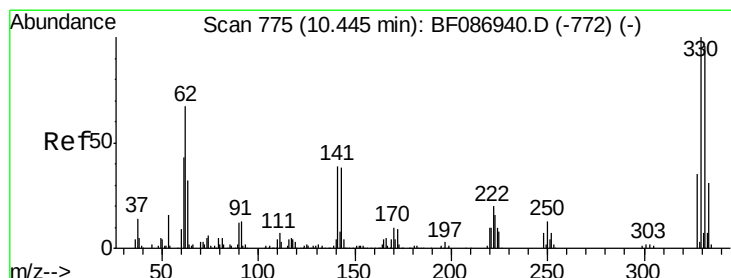
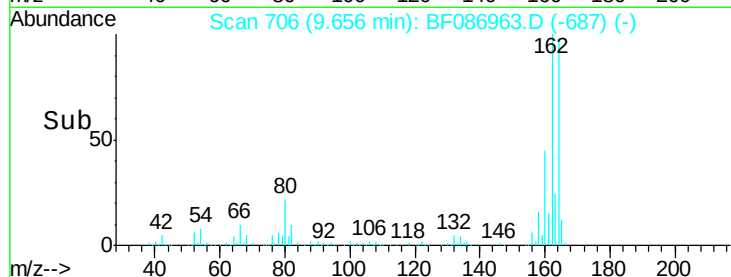
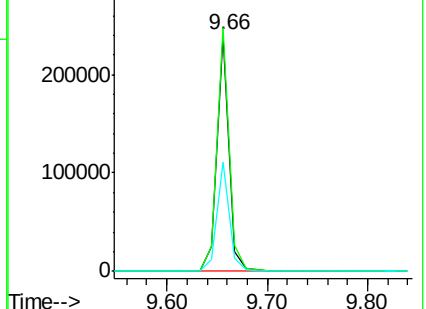
160 46.1 36.9 55.3



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: 66.17 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.08 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

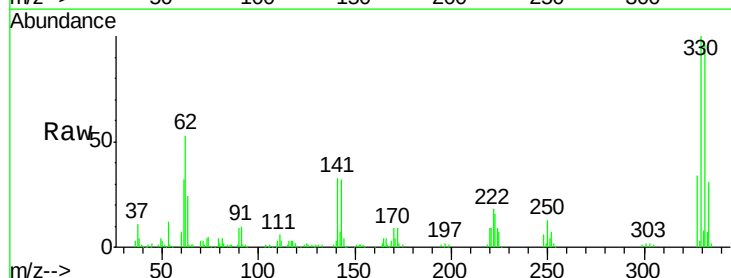
Tgt Ion:330 Resp: 140304

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

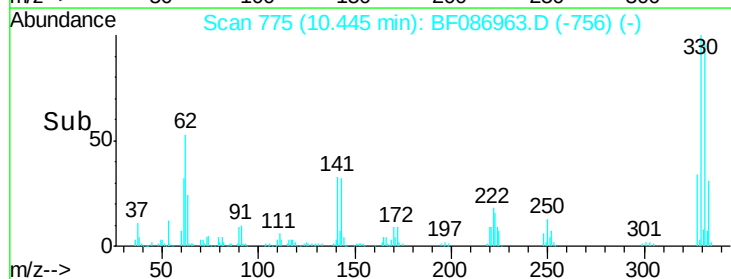
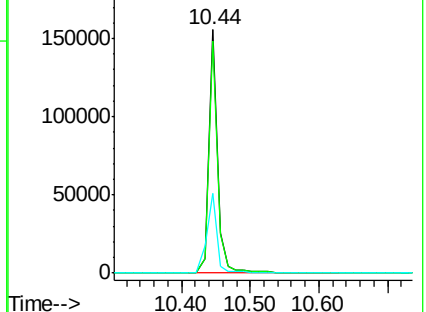
141 37.1 31.2 46.8

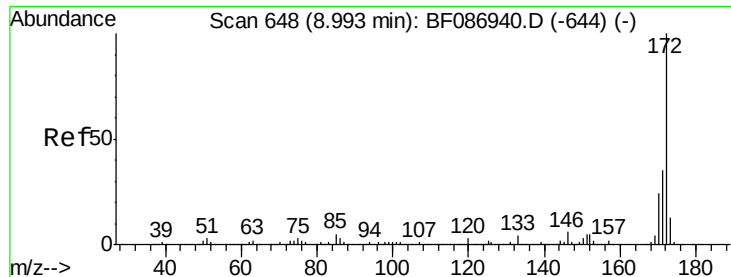


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

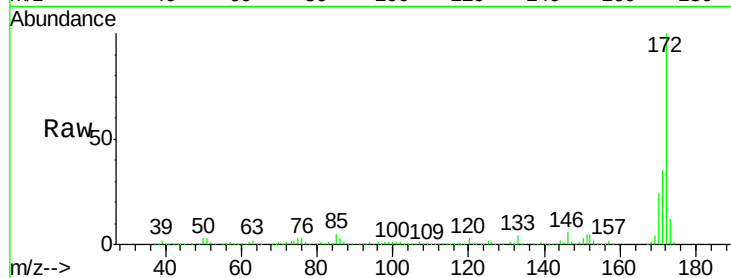




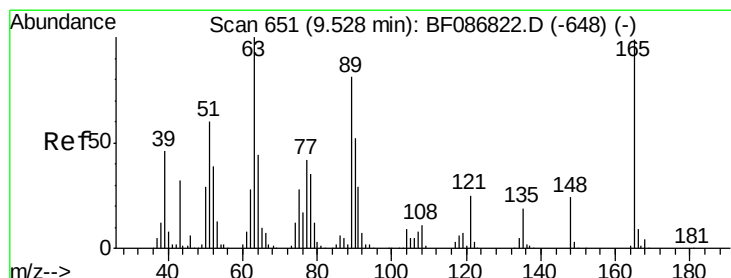
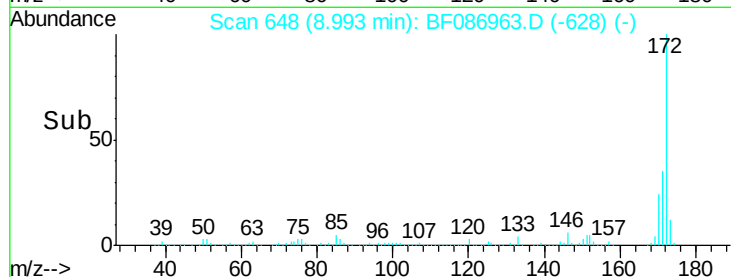
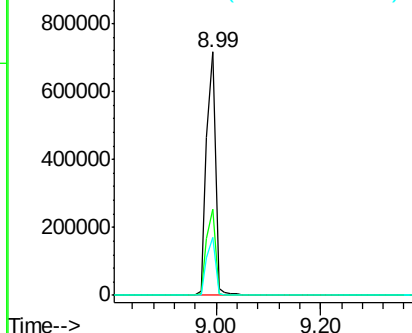
#44
 2-Fluorobiphenyl
 Concen: 71.84 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 856132
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.6
 170 23.9 19.8 29.8

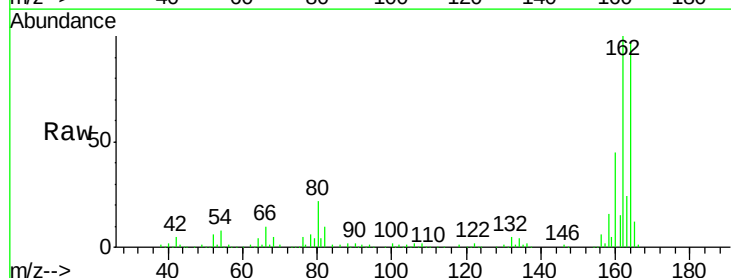


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

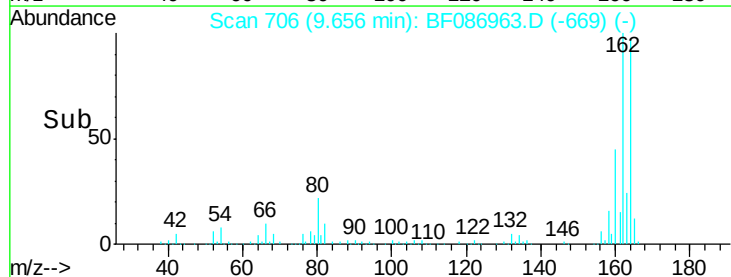
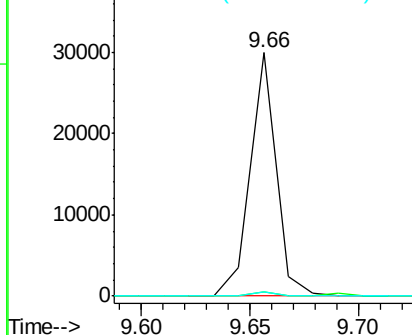


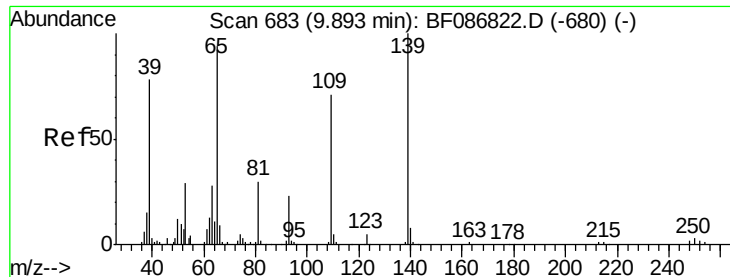
#50
 2,6-Dinitrotoluene
 Concen: 7.74 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.13 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

Tgt Ion:165 Resp: 24892
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 1.6 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

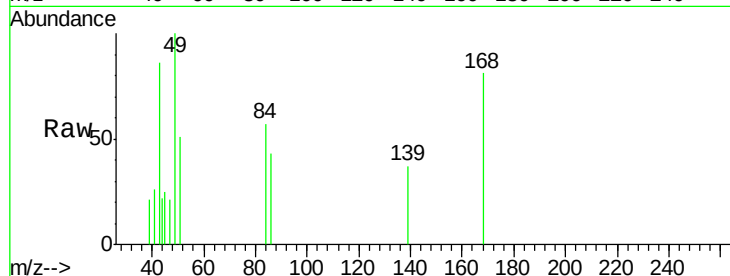




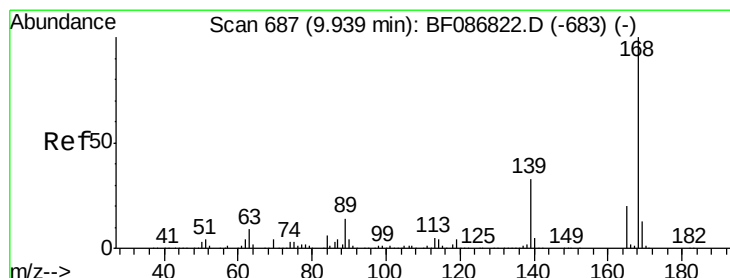
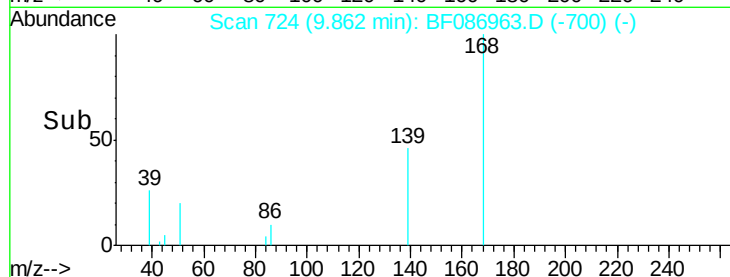
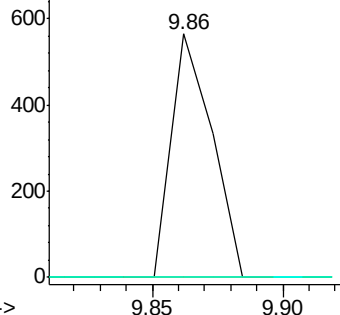
#55
4-Nitrophenol
Concen: 4.82 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.03 min
Lab File: BF086963.D
Acq: 13 May 2016 9:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 617
Ion Ratio Lower Upper
139 100
109 0.0 36.9 76.9#
65 0.0 64.0 104.0#

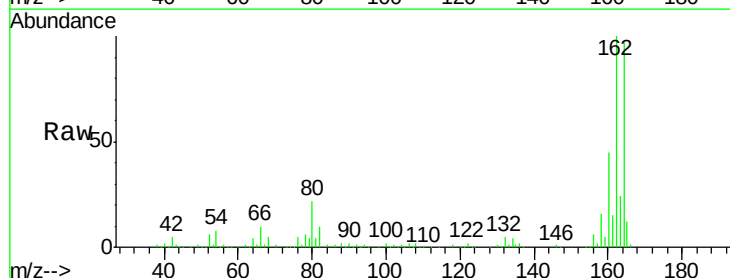


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

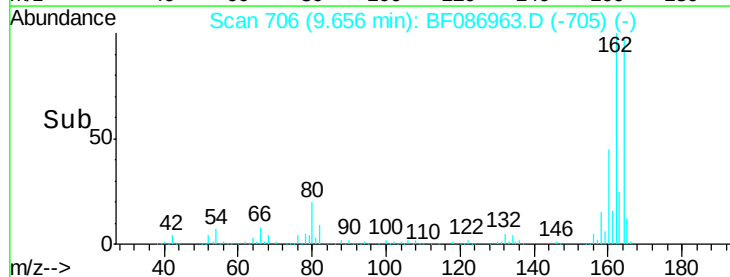
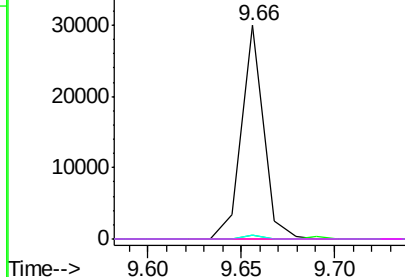


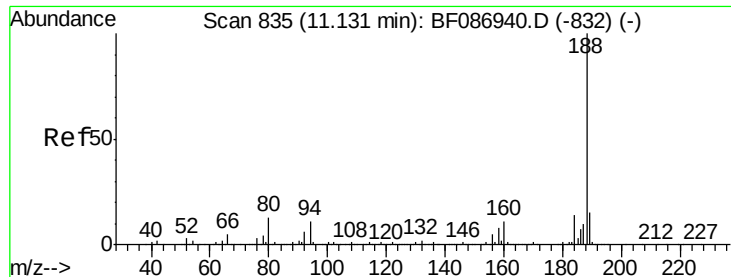
#56
2,4-Dinitrotoluene
Concen: 6.26 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.28 min
Lab File: BF086963.D
Acq: 13 May 2016 9:08

Tgt Ion:165 Resp: 24893
Ion Ratio Lower Upper
165 100
63 1.8 44.3 66.5#
89 1.6 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

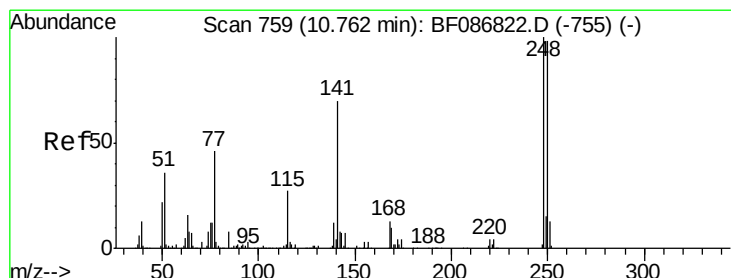
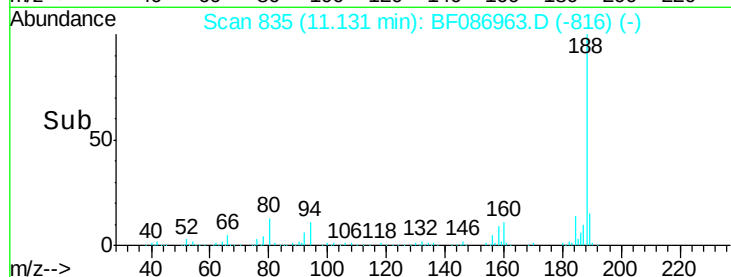
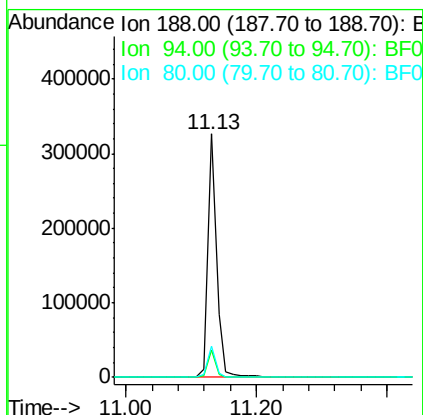
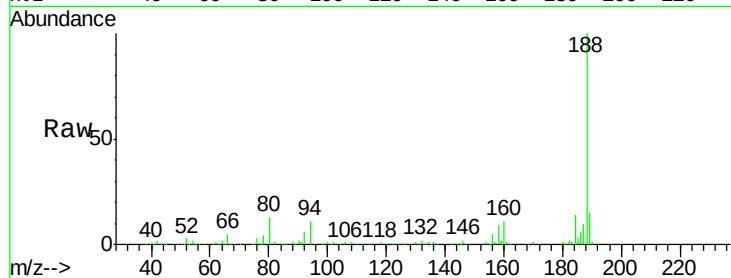




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086963.D
Acq: 13 May 2016 9:08

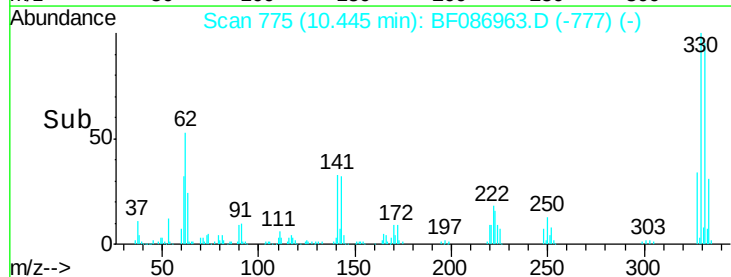
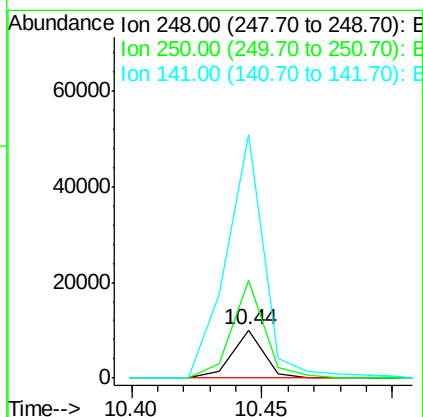
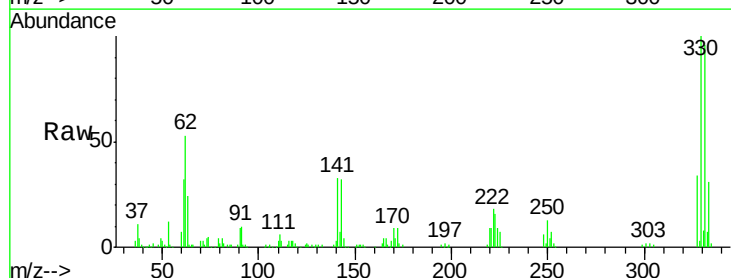
Instrument :
BNA_F
ClientSampleId :

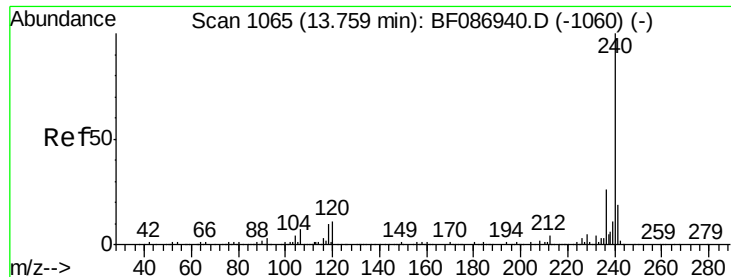
Tot Ion:188 Resp: 305233
Ion Ratio Lower Upper
188 100
94 11.4 6.8 10.2#
80 12.9 7.1 10.7#



#66
4-Bromophenyl-phenylether
Concen: 2.72 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.32 min
Lab File: BF086963.D
Acq: 13 May 2016 9:08

Tgt Ion:248 Resp: 8428
Ion Ratio Lower Upper
248 100
250 204.0 78.6 117.8#
141 508.9 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

Instrument :

BNA_F

ClientSampleId :

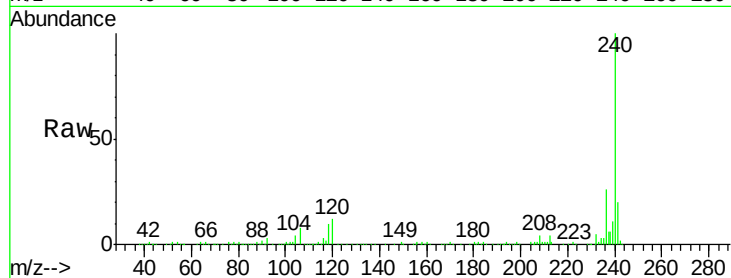
Tot Ion:240 Resp: 288430

Ion Ratio Lower Upper

240 100

120 12.0 11.2 16.8

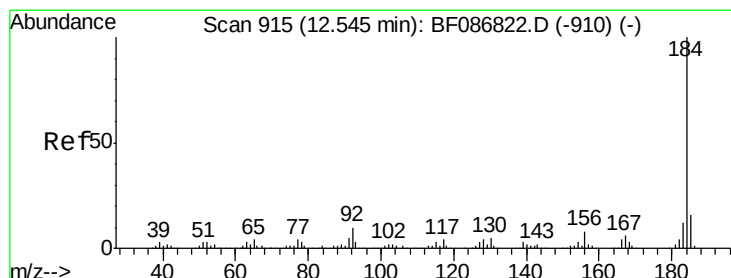
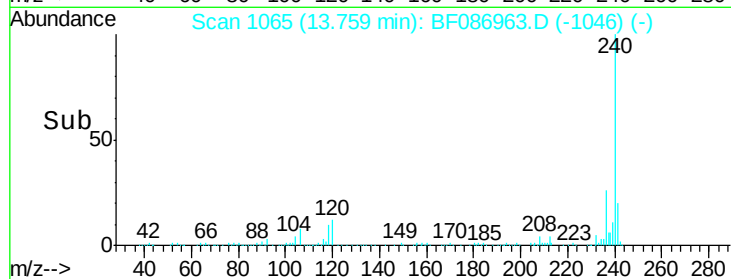
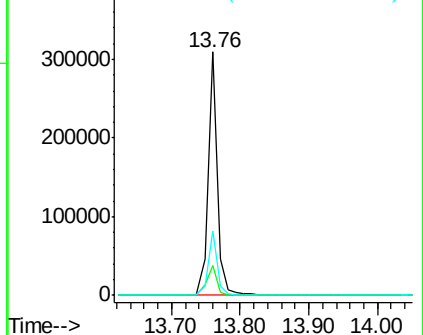
236 26.2 21.2 31.8



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: 4.51 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF086963.D

Acq: 13 May 2016 9:08

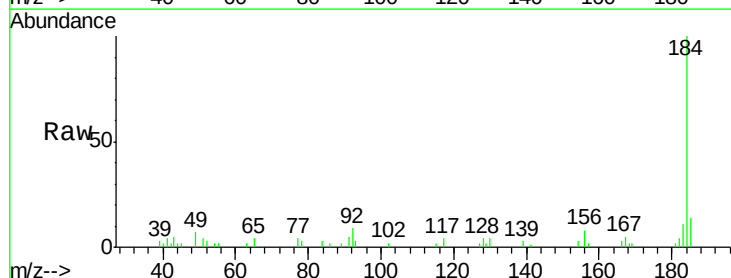
Tgt Ion:184 Resp: 33171

Ion Ratio Lower Upper

184 100

185 14.2 13.6 20.4

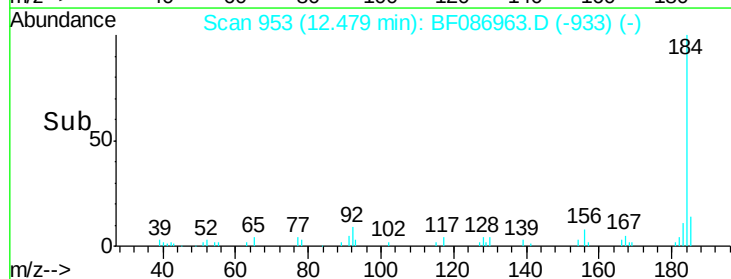
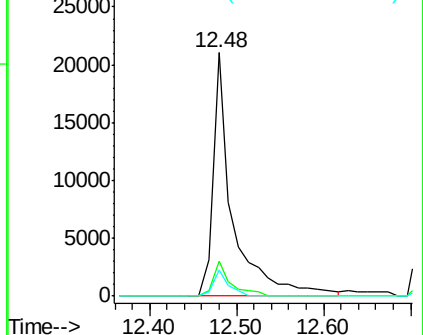
183 10.9 9.8 14.6

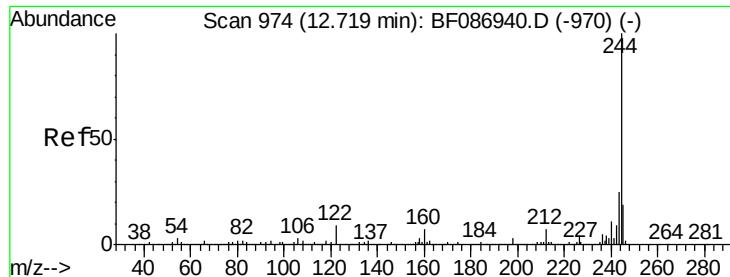


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

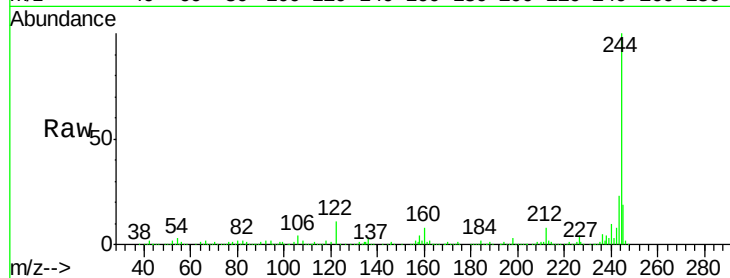




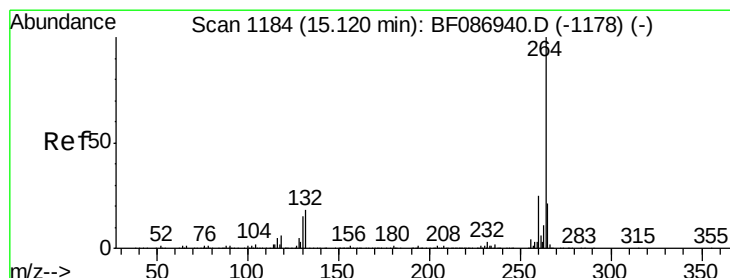
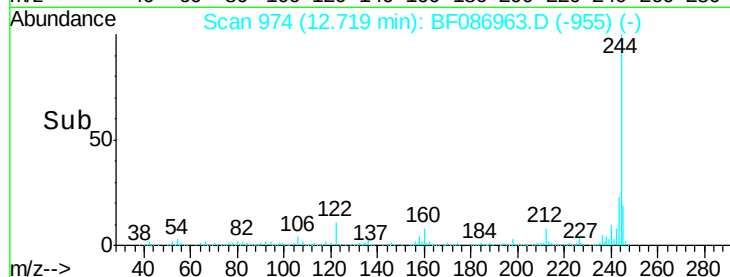
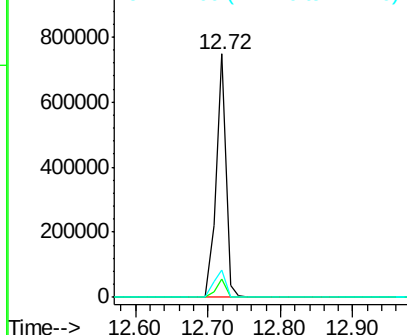
#78
 Terphenyl-d14
 Concen: 51.65 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 702094
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 11.1 12.0 18.0#

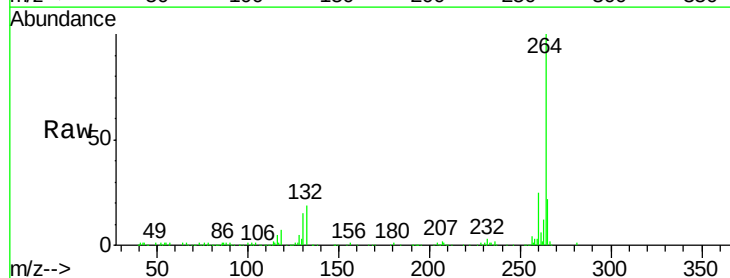


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.12 min Scan# 1184
 Delta R.T. -0.09 min
 Lab File: BF086963.D
 Acq: 13 May 2016 9:08

Tgt Ion:264 Resp: 233768
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 22.4 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

