

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051116\
 Data File : BF086920.D
 Acq On : 12 May 2016 8:22
 Operator : UM/SJ
 Sample : PB90419BL
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 12 15:21:06 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

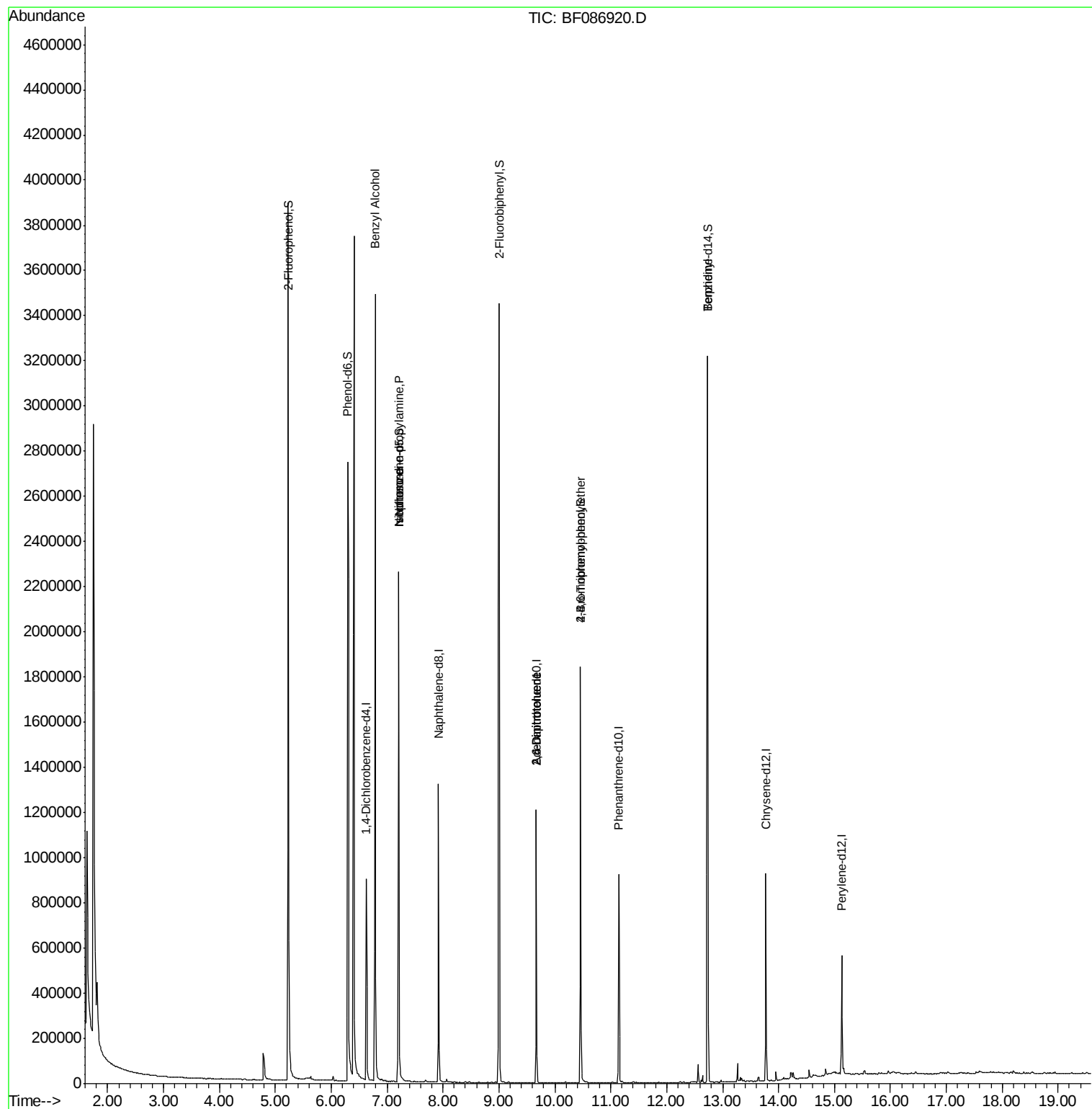
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	137248	20.00	ng	-0.07
21) Naphthalene-d8	7.92	136	529630	20.00	ng	-0.07
38) Acenaphthene-d10	9.67	164	212416	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	312078	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	303682	20.00	ng	-0.07
86) Perylene-d12	15.13	264	224308	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	963479	118.89	ng	-0.05
7) Phenol-d6	6.30	99	1249162	115.33	ng	-0.07
23) Nitrobenzene-d5	7.21	82	886602	84.06	ng	-0.05
41) 2,4,6-Tribromophenol	10.46	330	192339	85.53	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1290220	102.08	ng	-0.05
78) Terphenyl-d14	12.73	244	934878	65.32	ng	-0.07
Target Compounds						
15) Benzyl Alcohol	6.79	79	15324	2.05	ng	# 39
19) n-Nitroso-di-n-propylamine	7.21	70	124602	16.46	ng	# 79
25) Isophorone	7.21	82	857307	43.81	ng	# 68
50) 2,6-Dinitrotoluene	9.67	165	26875	7.88	ng	# 21
56) 2,4-Dinitrotoluene	9.67	165	26876	6.37	ng	# 16
66) 4-Bromophenyl-phenylether	10.46	248	12304	3.89	ng	# 1
76) Benizidine	12.73	184	15529	2.01	ng	97

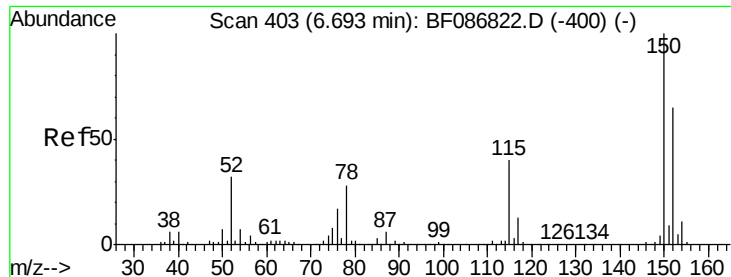
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.07 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

Instrument :

BNA_F

ClientSampled :

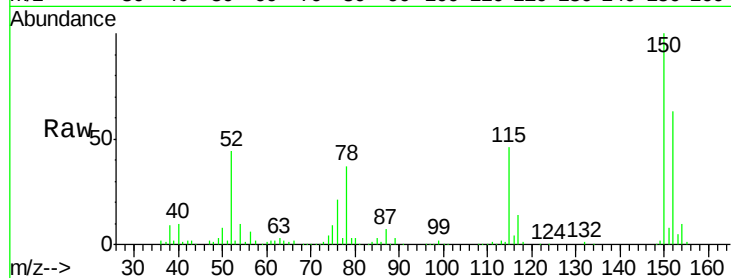
Tot Ion:152 Resp: 137248

Ion Ratio Lower Upper

152 100

150 158.6 125.8 188.6

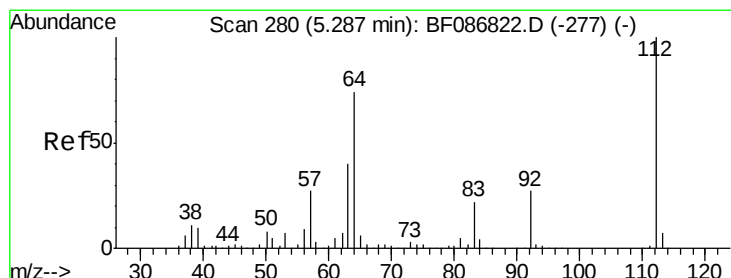
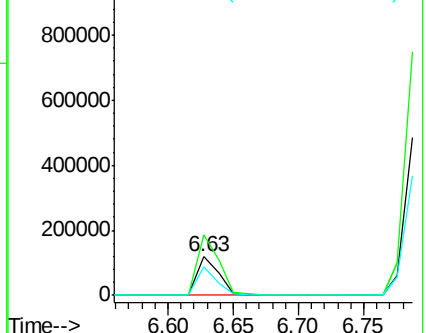
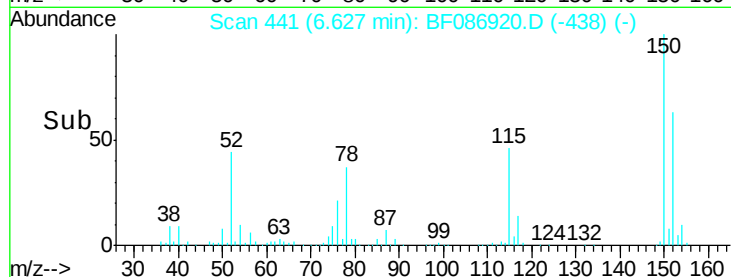
115 73.0 51.5 77.3



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: 118.89 ng

RT: 5.23 min Scan# 319

Delta R.T. -0.05 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

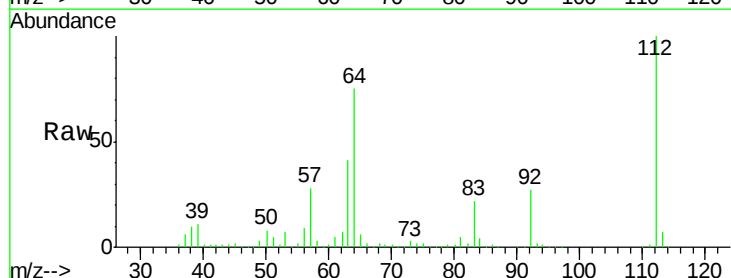
Tgt Ion:112 Resp: 963479

Ion Ratio Lower Upper

112 100

64 75.1 52.1 78.1

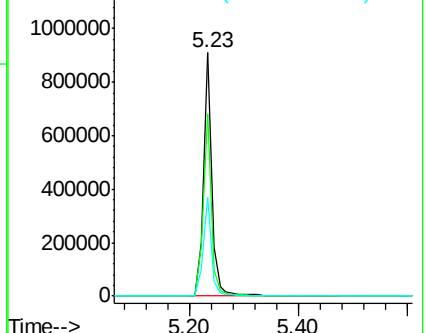
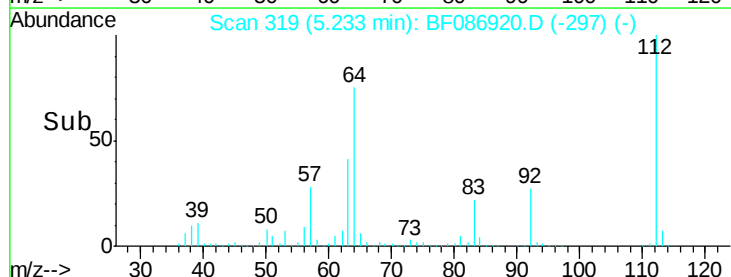
63 40.7 25.7 38.5

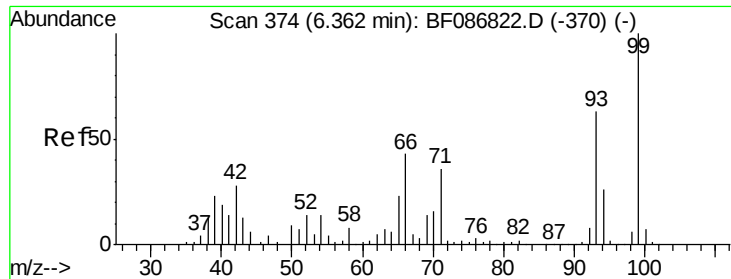


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.33 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.07 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

Instrument :

BNA_F

ClientSampled :

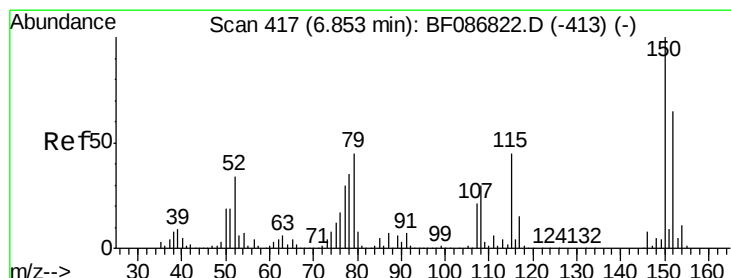
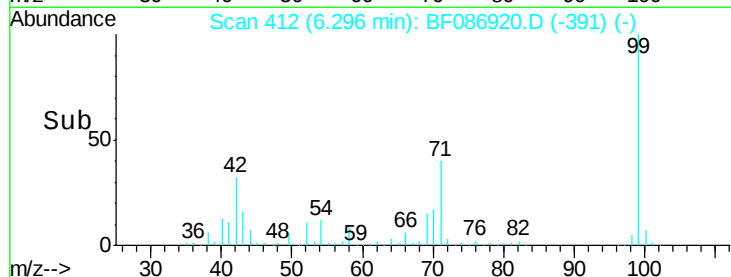
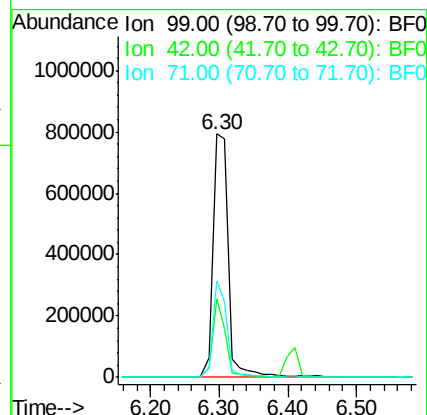
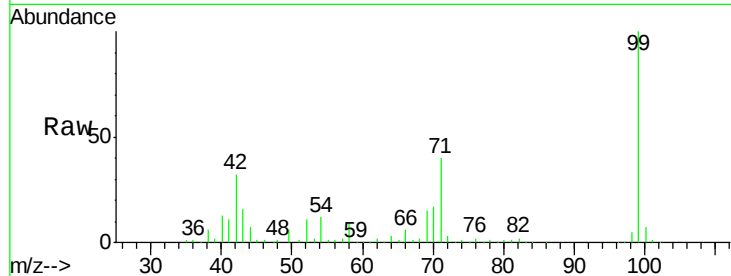
Tot Ion: 99 Resp: 1249162

Ion Ratio Lower Upper

99 100

42 32.2 13.6 20.4#

71 39.8 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.07 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

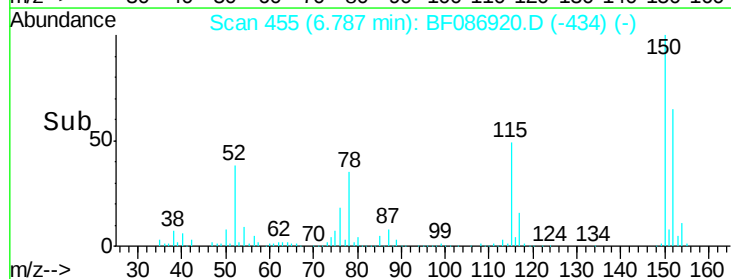
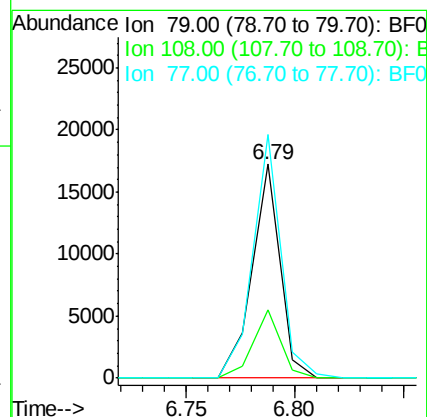
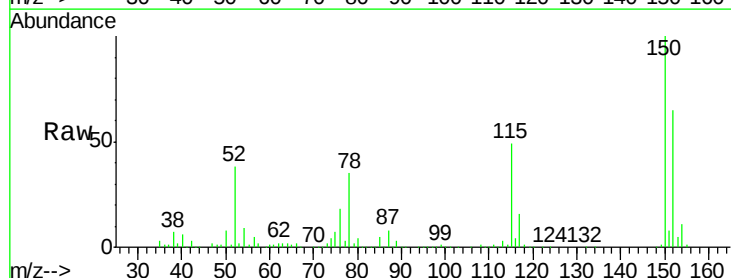
Tgt Ion: 79 Resp: 15324

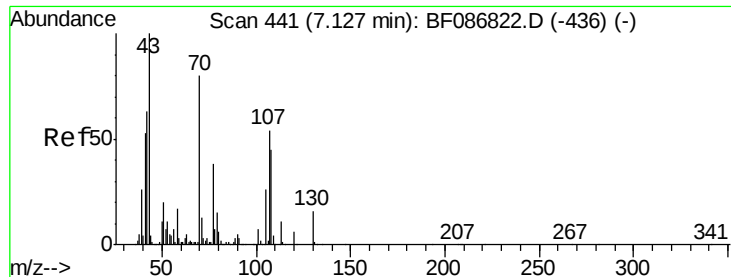
Ion Ratio Lower Upper

79 100

108 31.9 68.4 102.6#

77 113.8 50.6 76.0#

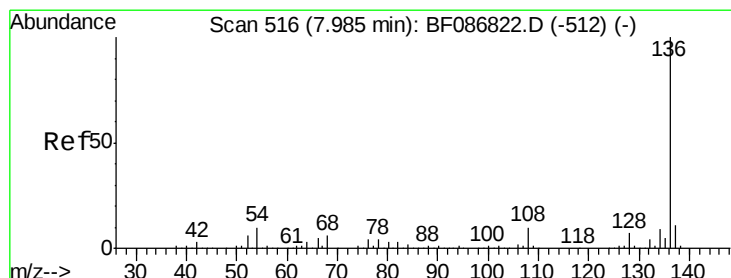
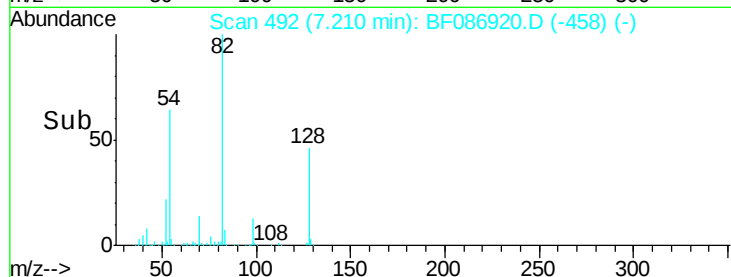
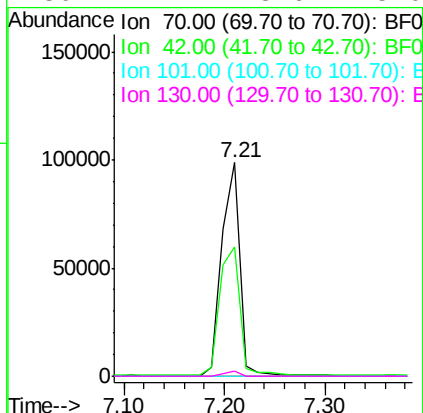
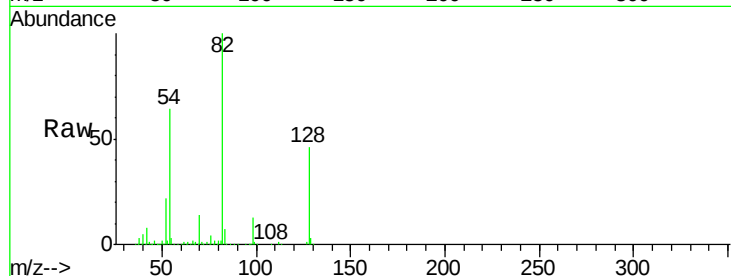




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.46 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.08 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

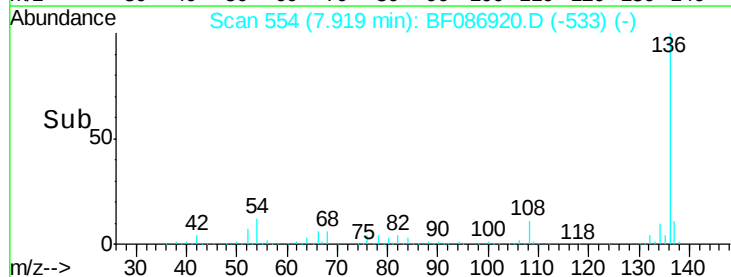
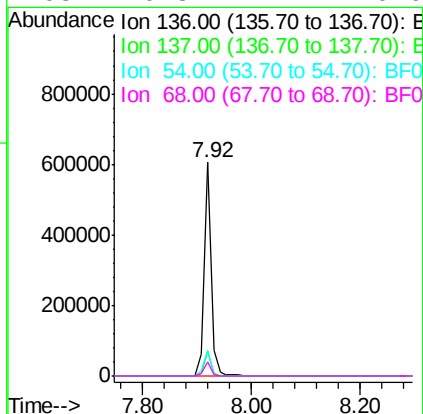
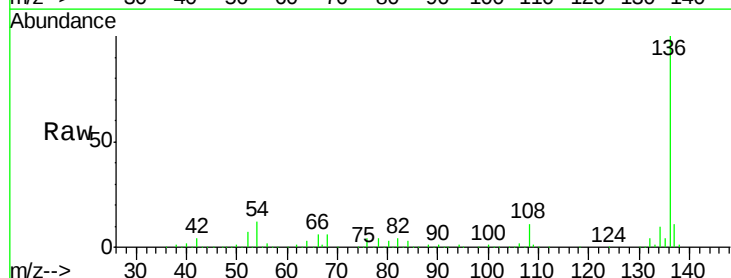
Instrument :
 BNA_F
 ClientSampled :

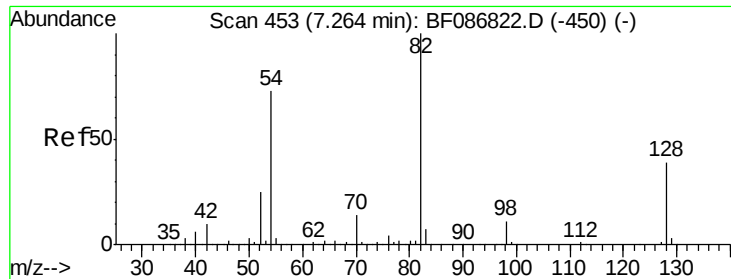
Tot Ion: 70 Resp: 124602
 Ion Ratio Lower Upper
 70 100
 42 60.8 43.1 64.7
 101 0.0 8.1 12.1#
 130 2.2 18.6 28.0#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.92 min Scan# 554
 Delta R.T. -0.07 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

Tgt Ion: 136 Resp: 529630
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.8 13.2
 54 12.0 5.0 7.4#
 68 6.3 4.4 6.6

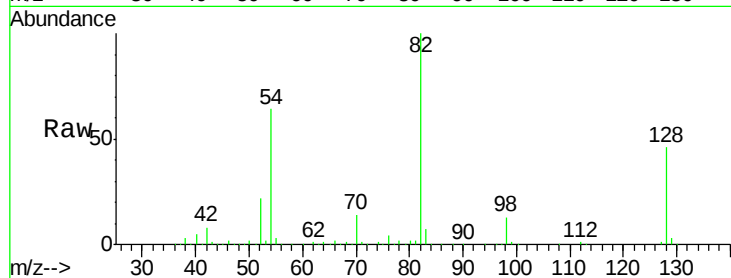




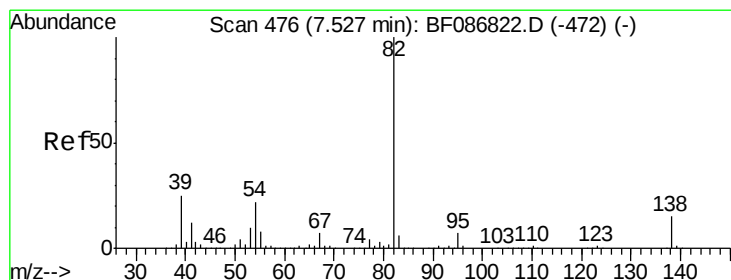
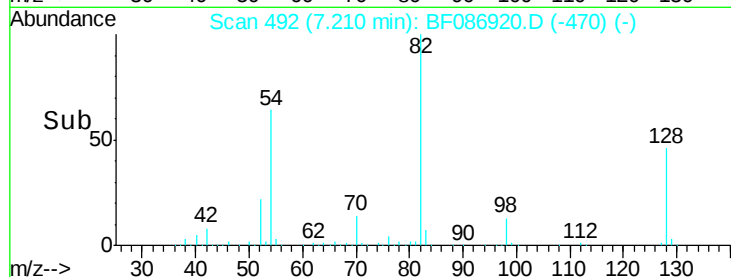
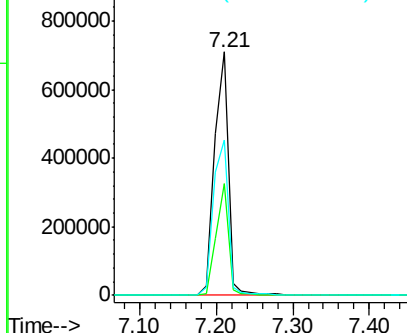
#23
Nitrobenzene-d5
Concen: 84.06 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.05 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	886602
Ion Ratio	100	Lower	Upper
128	45.9	40.6	61.0
54	63.7	38.1	57.1#

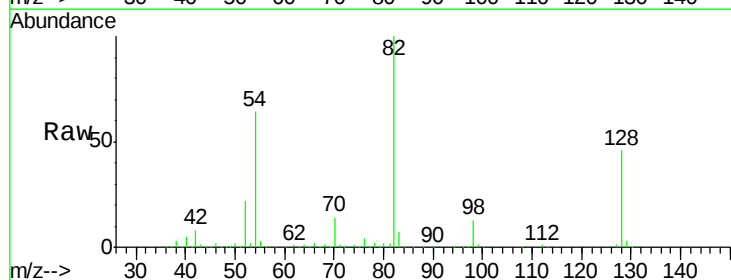


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

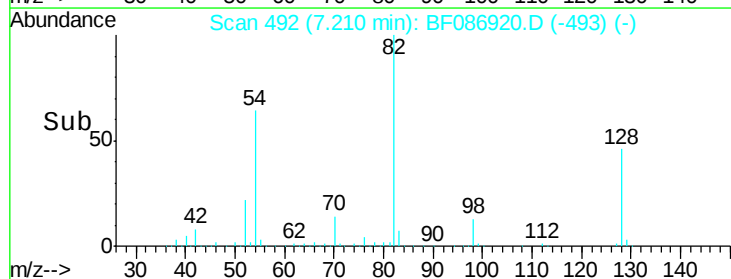
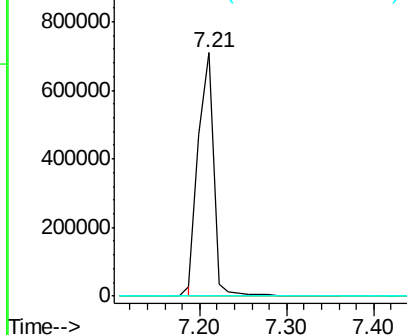


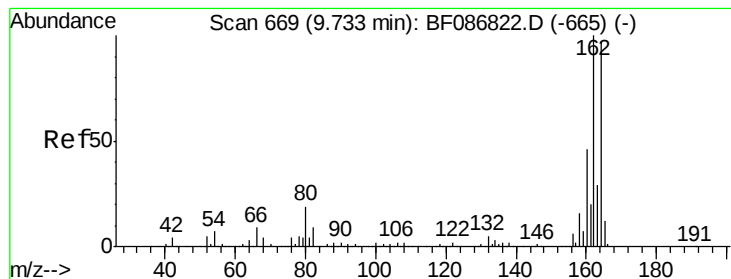
#25
Isophorone
Concen: 43.81 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.32 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Tgt Ion	82	Resp	857307
Ion Ratio	100	Lower	Upper
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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.07 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

Instrument :

BNA_F

ClientSampleId :

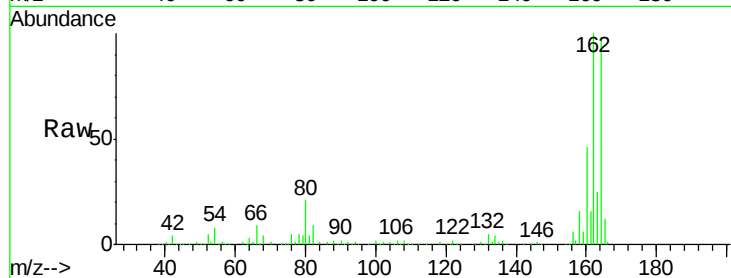
Tot Ion:164 Resp: 212416

Ion Ratio Lower Upper

164 100

162 101.7 82.8 124.2

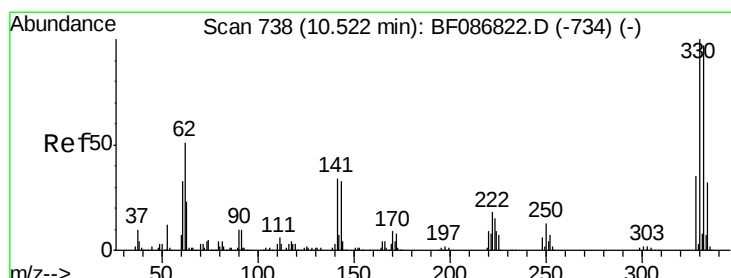
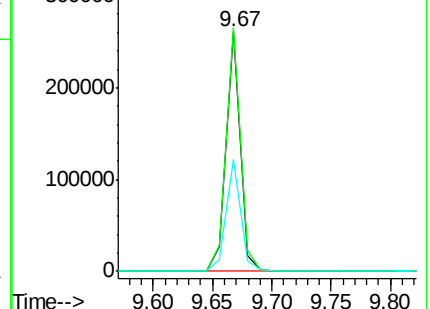
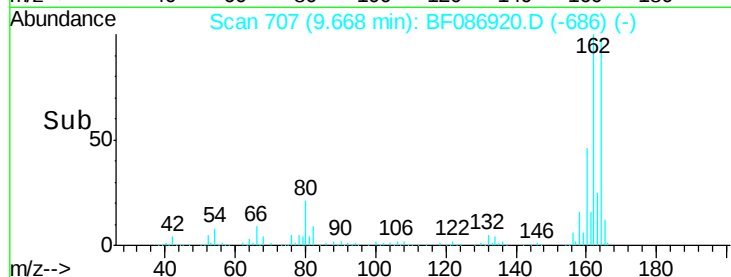
160 46.7 36.9 55.3



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: 85.53 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.07 min

Lab File: BF086920.D

Acq: 12 May 2016 8:22

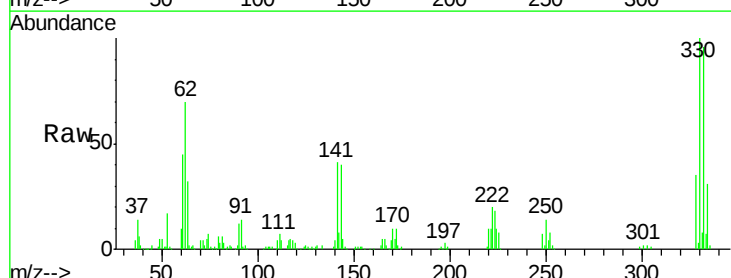
Tgt Ion:330 Resp: 192339

Ion Ratio Lower Upper

330 100

332 95.9 79.0 118.4

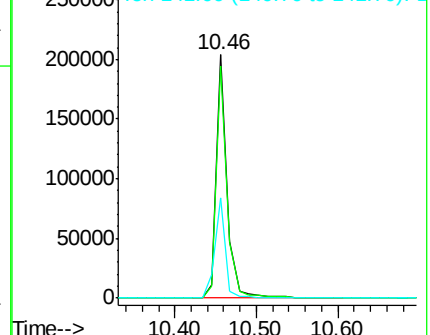
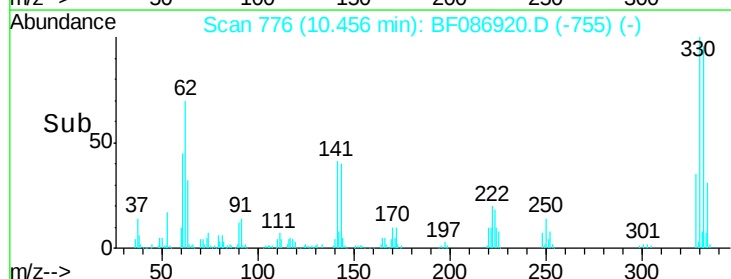
141 40.8 31.2 46.8

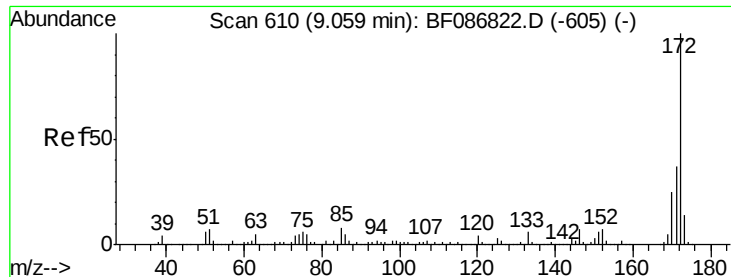


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

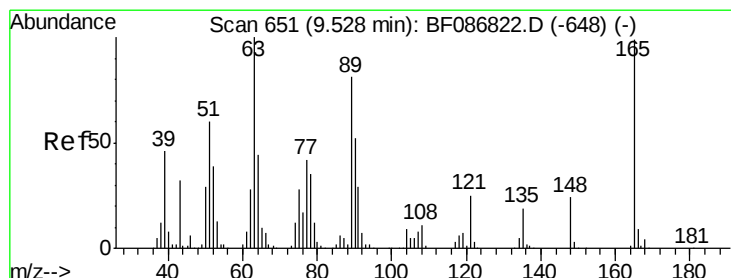
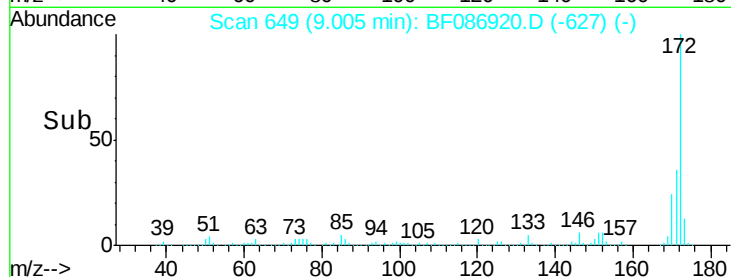
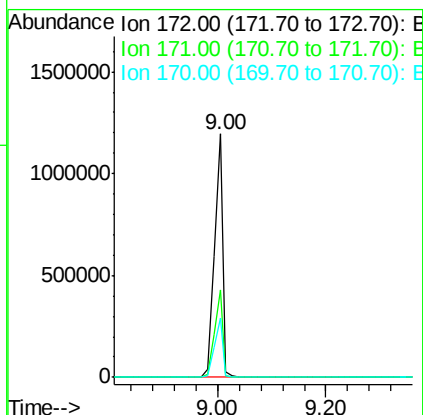
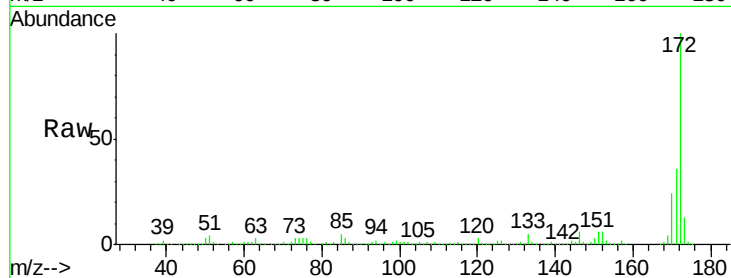




#44
 2-Fluorobiphenyl
 Concen: 102.08 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

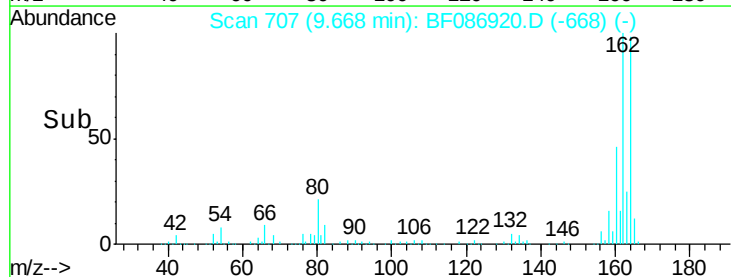
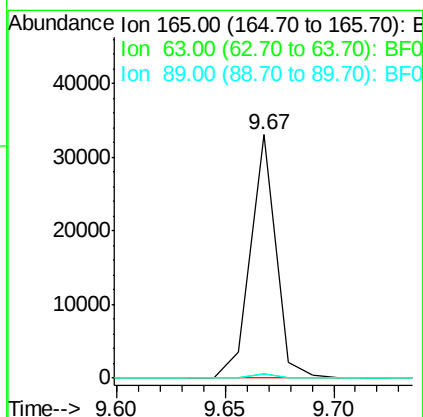
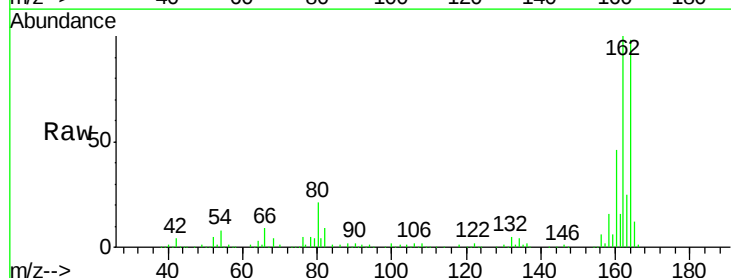
Instrument :
 BNA_F
 ClientSampleId :

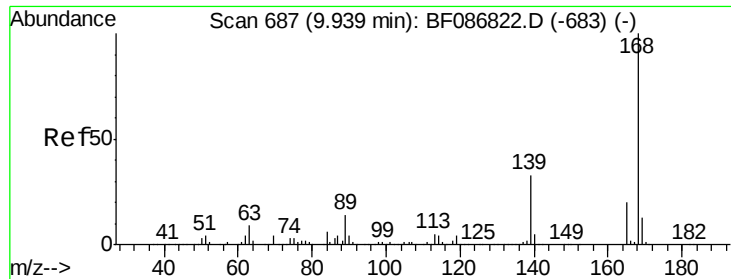
Tot Ion:172 Resp: 1290220
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.5 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.88 ng
 RT: 9.67 min Scan# 707
 Delta R.T. 0.14 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

Tgt Ion:165 Resp: 26875
 Ion Ratio Lower Upper
 165 100
 63 1.8 51.8 77.8#
 89 2.0 50.7 76.1#

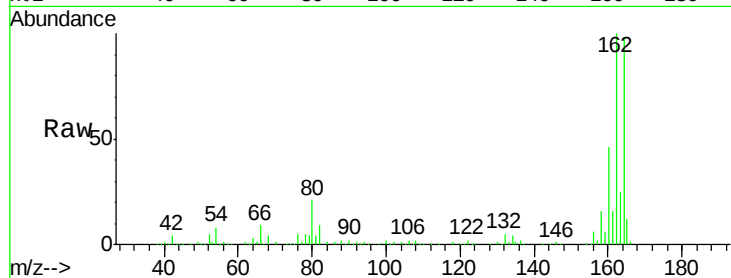




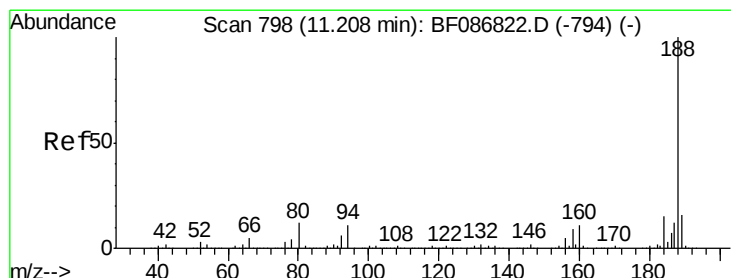
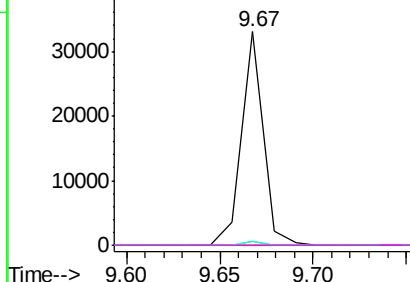
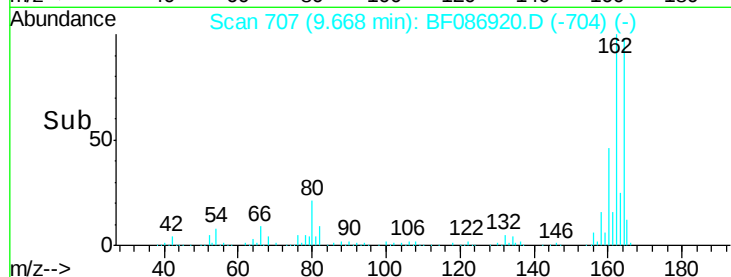
#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.67 min Scan# 707
 Delta R.T. -0.27 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26876
 Ion Ratio Lower Upper
 165 100
 63 1.8 44.3 66.5#
 89 2.0 70.0 105.0#
 182 0.0 1.8 2.6#

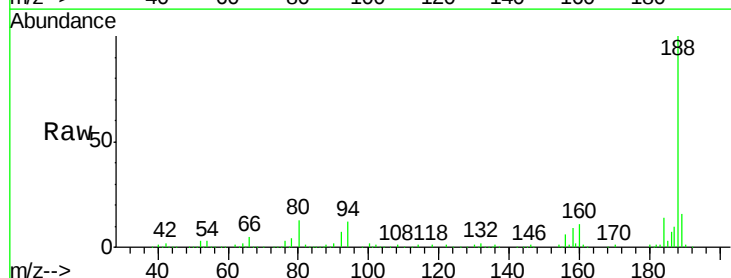


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

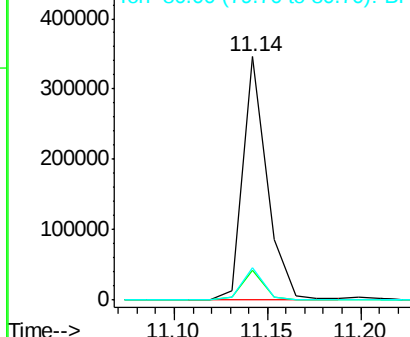
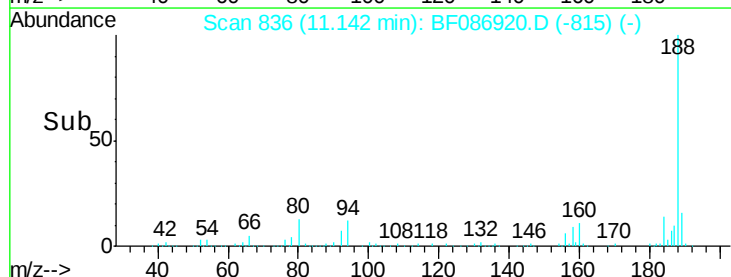


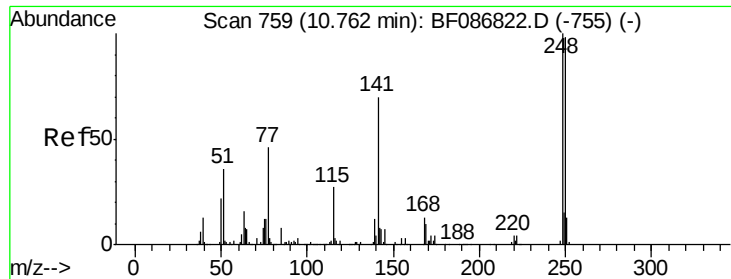
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.07 min
 Lab File: BF086920.D
 Acq: 12 May 2016 8:22

Tgt Ion:188 Resp: 312078
 Ion Ratio Lower Upper
 188 100
 94 12.2 6.8 10.2#
 80 13.2 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

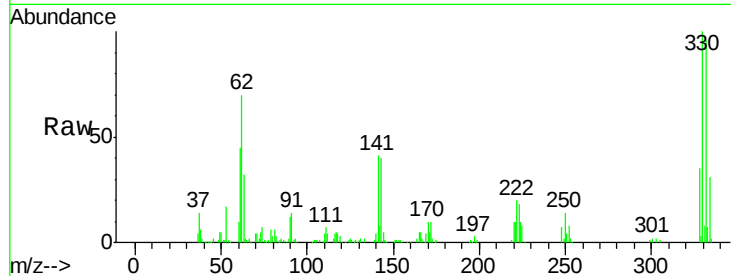




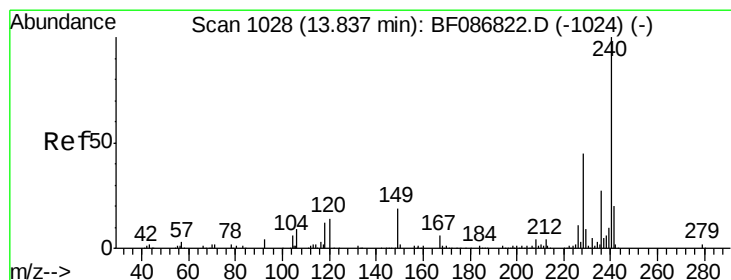
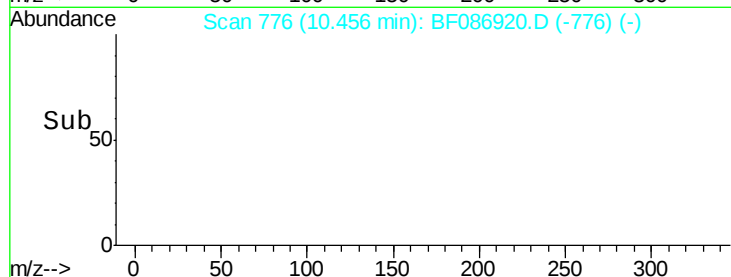
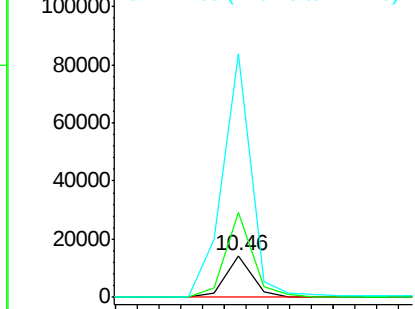
#66
4-Bromophenyl-phenylether
Concen: 3.89 ng
RT: 10.46 min Scan# 776
Delta R.T. -0.31 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12304
Ion Ratio Lower Upper
248 100
250 202.5 78.6 117.8#
141 581.1 76.0 114.0#

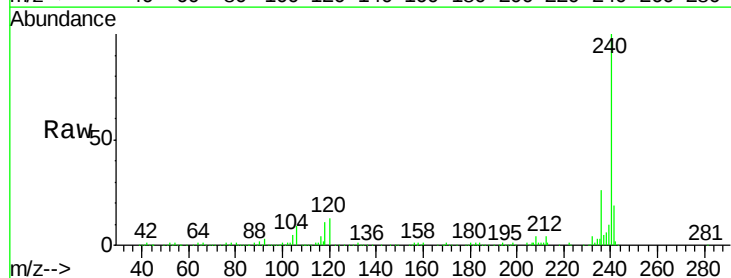


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

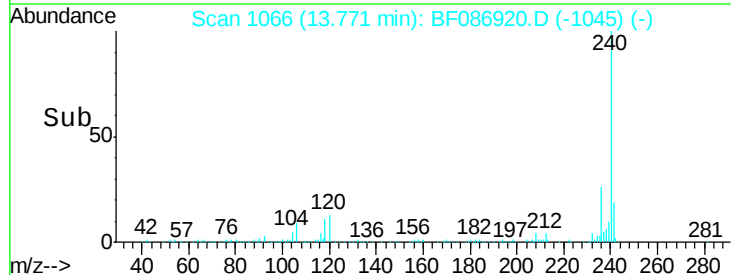
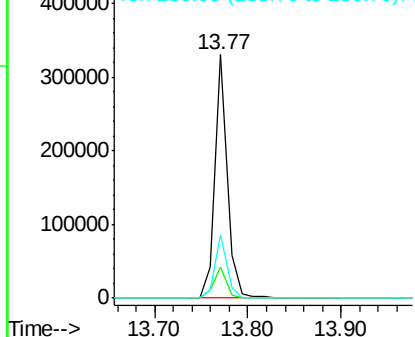


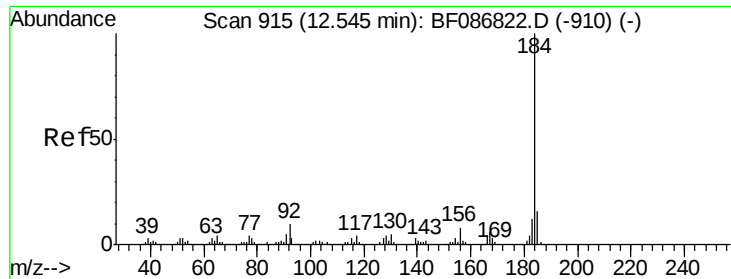
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.77 min Scan# 1066
Delta R.T. -0.07 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Tgt Ion:240 Resp: 303682
Ion Ratio Lower Upper
240 100
120 12.5 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

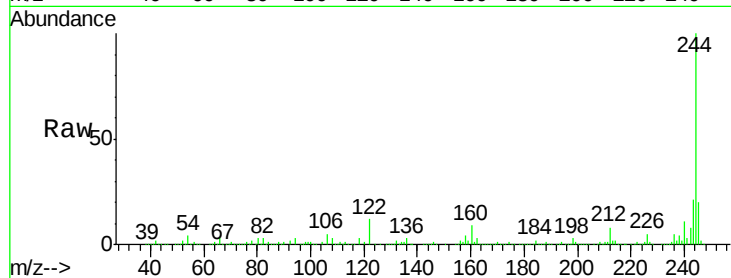




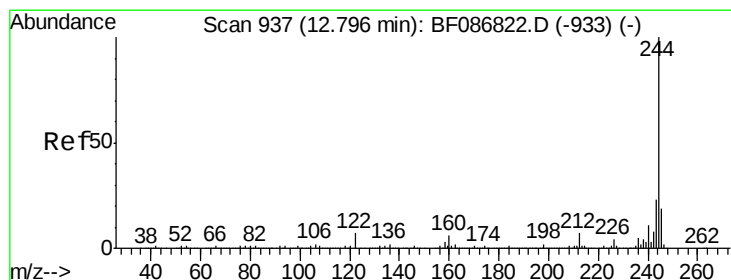
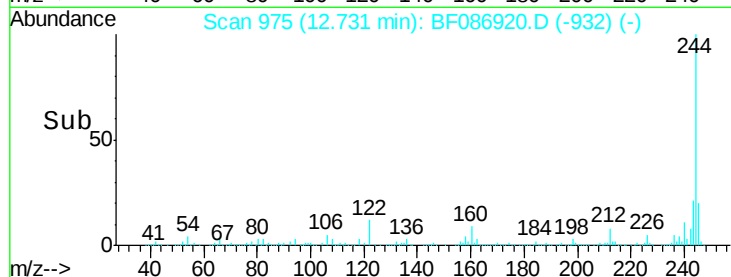
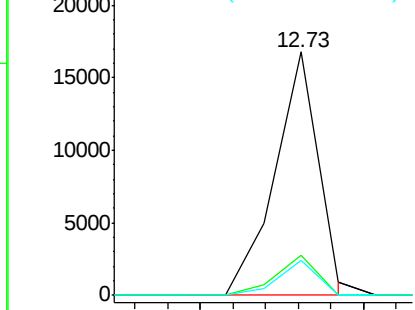
#76
Benzidine
Concen: 2.01 ng
RT: 12.73 min Scan# 975
Delta R.T. 0.19 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 15529
Ion Ratio Lower Upper
184 100
185 16.7 13.6 20.4
183 14.3 9.8 14.6

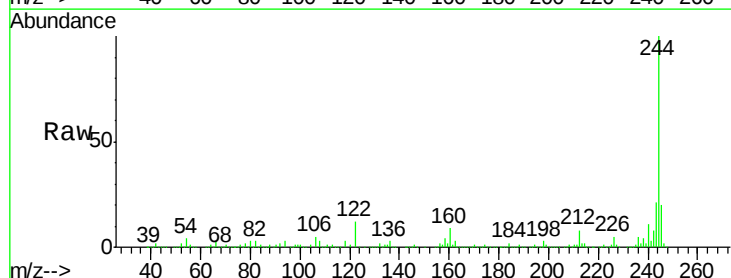


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

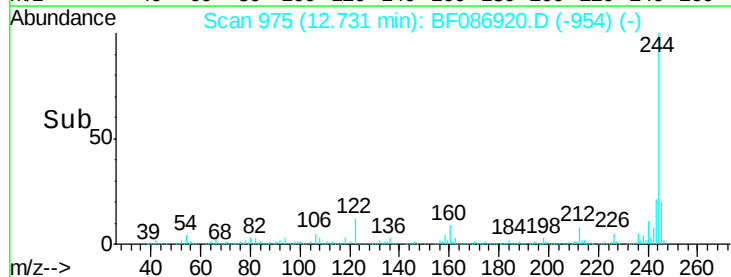
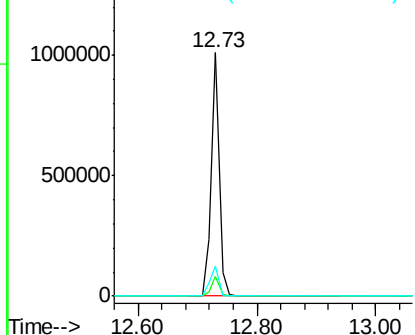


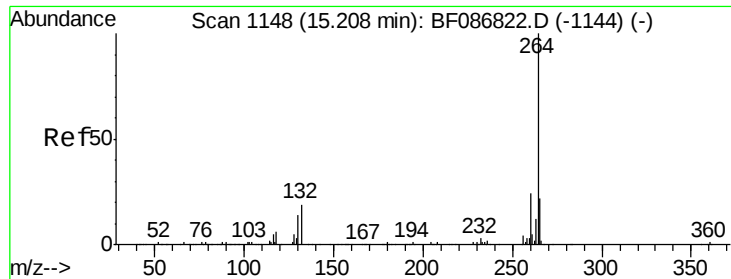
#78
Terphenyl-d14
Concen: 65.32 ng
RT: 12.73 min Scan# 975
Delta R.T. -0.07 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Tgt Ion:244 Resp: 934878
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 12.5 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
Pervlene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF086920.D
Acq: 12 May 2016 8:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.5	17.3	25.9

