

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\
 Data File : BF086961.D
 Acq On : 13 May 2016 8:10
 Operator : UM/SJ
 Sample : H2994-16
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 13 14:31:01 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

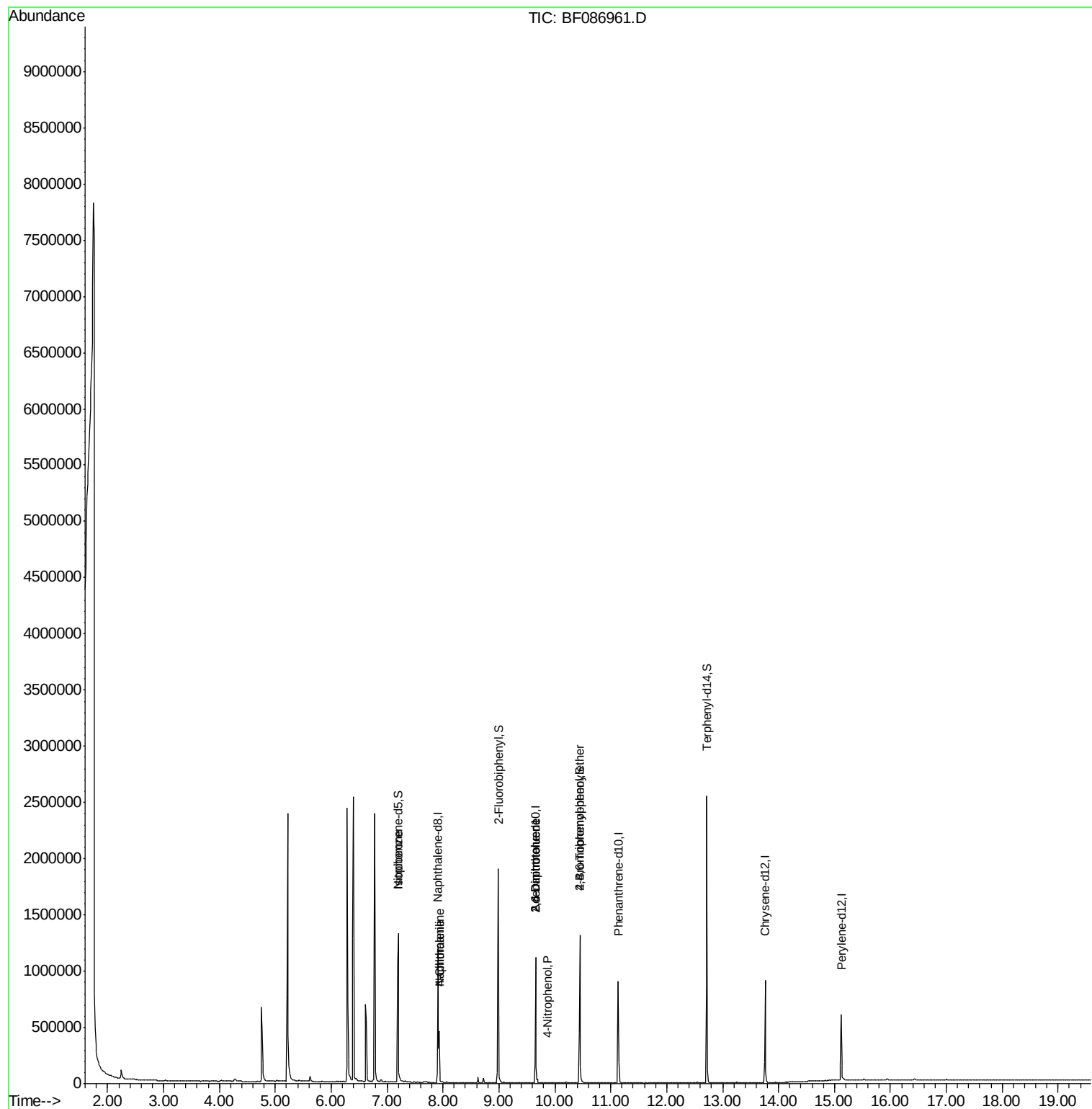
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-6.69
21) Naphthalene-d8	7.91	136	500237	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	204828	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	315358	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	309336	20.00	ng	-0.08
86) Perylene-d12	15.12	264	239198	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	662443	0.00	ng	-0.07
7) Phenol-d6	6.28	99	769852	0.00	ng	-0.08
23) Nitrobenzene-d5	7.20	82	550814	55.29	ng	-0.07
41) 2,4,6-Tribromophenol	10.44	330	155677	71.79	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	889263	72.97	ng	-0.07
78) Terphenyl-d14	12.72	244	771577	52.92	ng	-0.08
Target Compounds						
25) Isophorone	7.20	82	532841	28.83	ng	# 68
31) Naphthalene	7.93	128	177799	7.10	ng	99
33) 4-Chloroaniline	7.93	127	22244	2.28	ng	# 34
50) 2,6-Dinitrotoluene	9.66	165	26044	7.92	ng	# 20
55) 4-Nitrophenol	9.86	139	1140	5.03	ng	# 14
56) 2,4-Dinitrotoluene	9.66	165	26045	6.40	ng	# 16
66) 4-Bromophenyl-phenylether	10.44	248	10139	3.17	ng	# 1

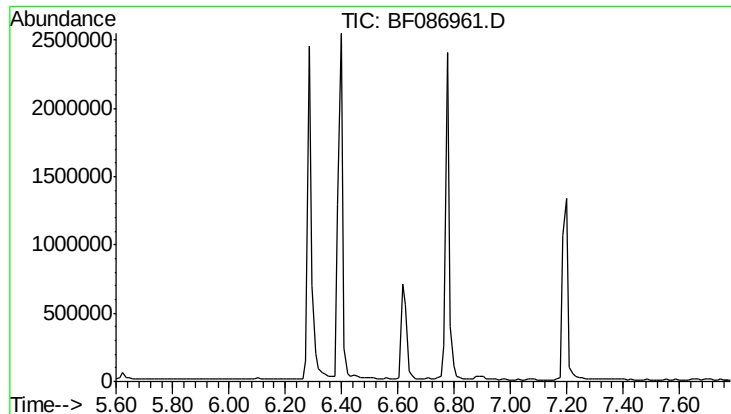
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 6.69 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

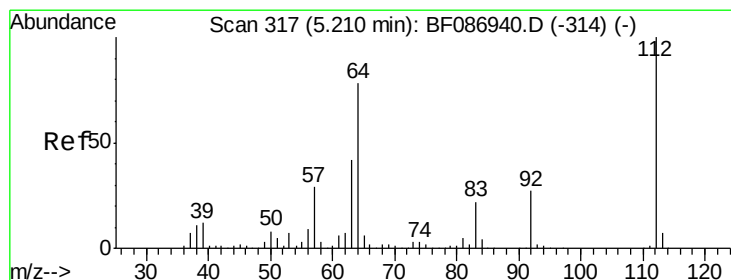
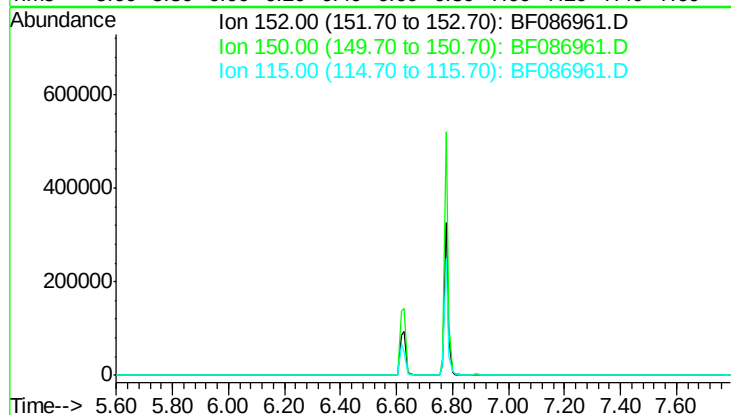
Tot Ion: 152

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: BF086961.D

Acq: 13 May 2016 8:10

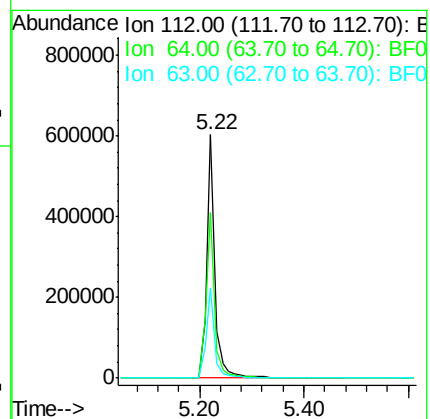
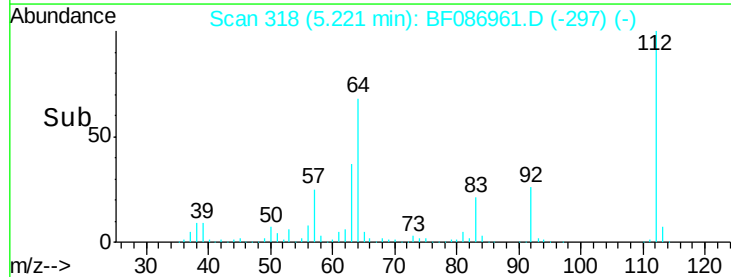
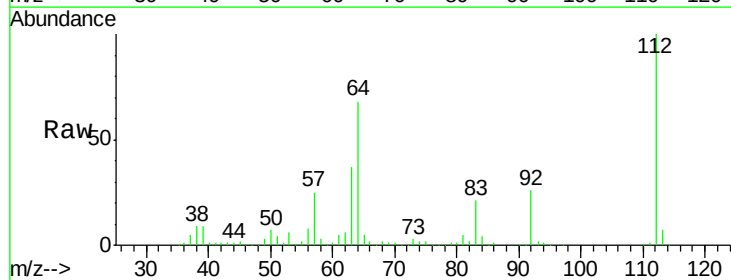
Tgt Ion:112 Resp: 662443

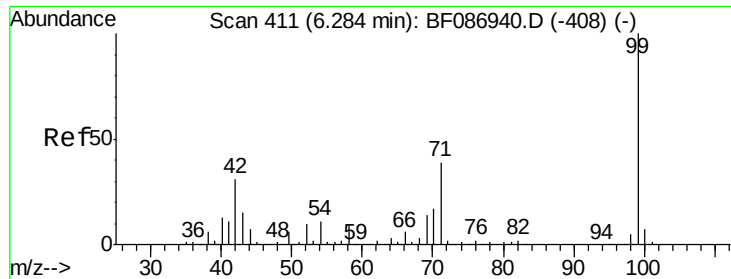
Ion Ratio Lower Upper

112 100

64 67.9 52.1 78.1

63 36.7 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: BF086961.D

Acq: 13 May 2016 8:10

Instrument :

BNA_F

ClientSampled :

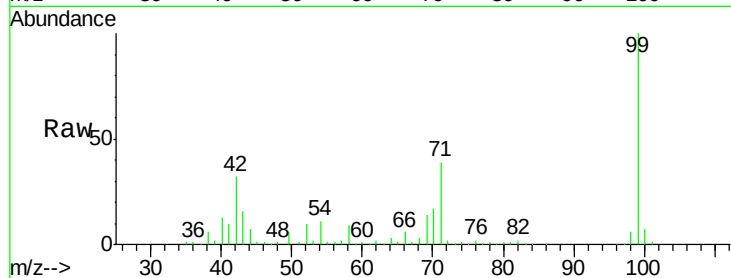
Tot Ion: 99 Resp: 769852

Ion Ratio Lower Upper

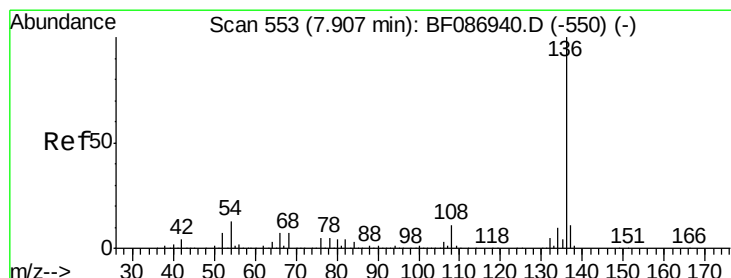
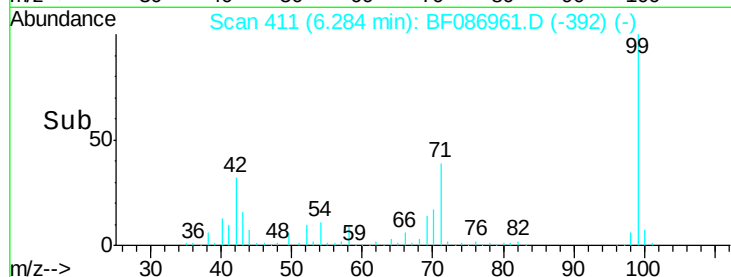
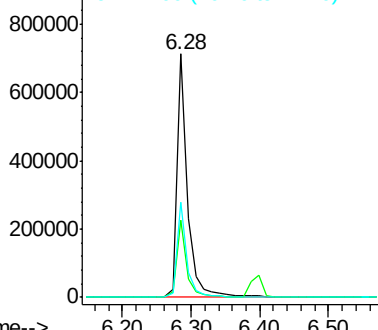
99 100

42 31.7 13.6 20.4#

71 39.0 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: BF086961.D

Acq: 13 May 2016 8:10

Tgt Ion: 136 Resp: 500237

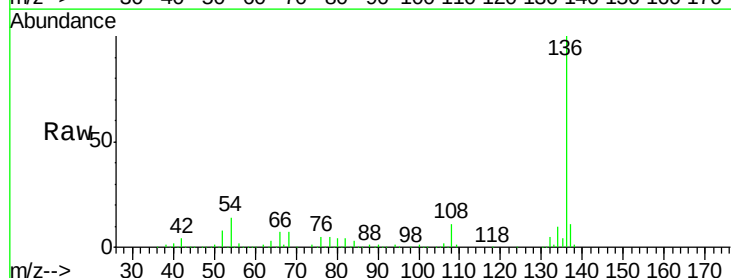
Ion Ratio Lower Upper

136 100

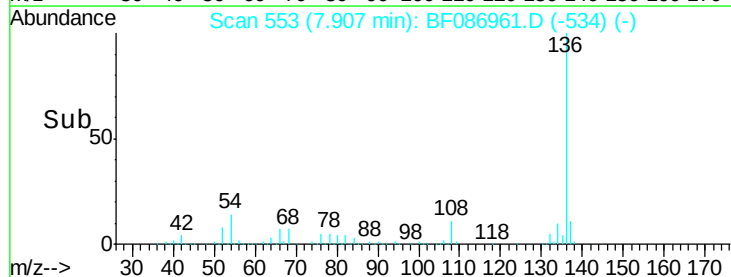
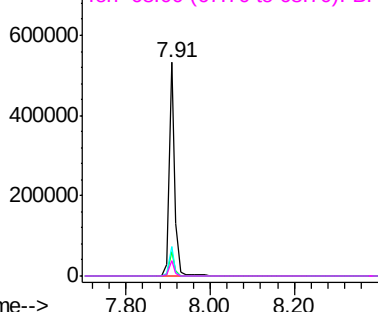
137 11.2 8.8 13.2

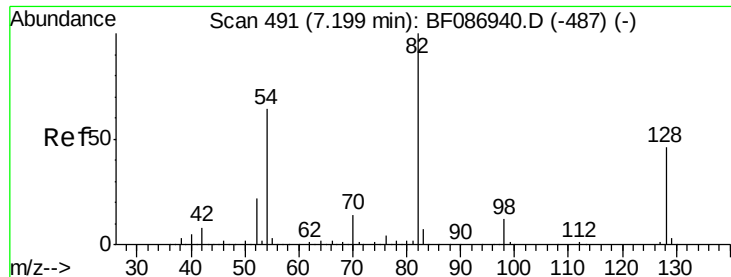
54 13.8 5.0 7.4#

68 7.2 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

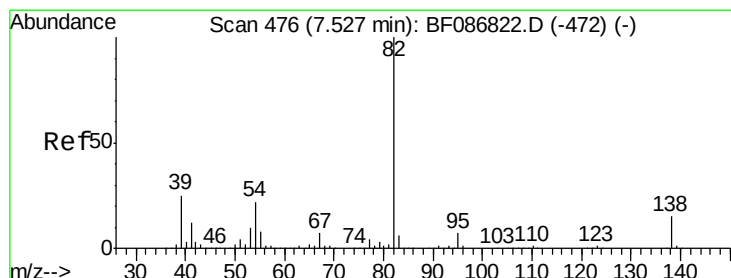
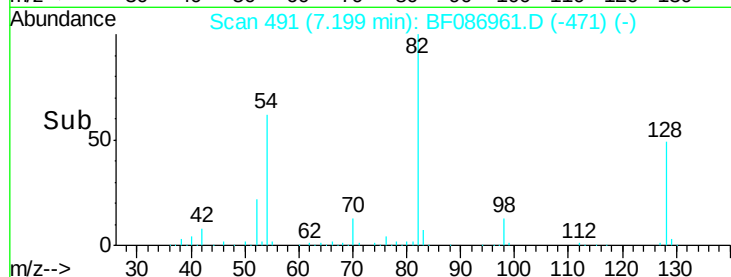
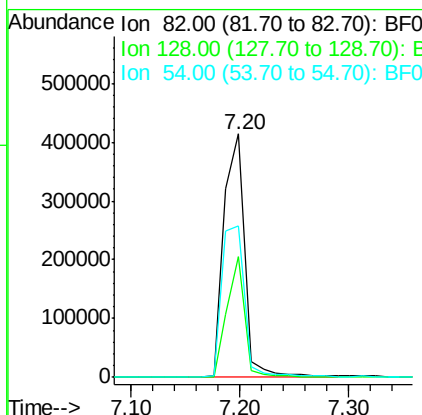
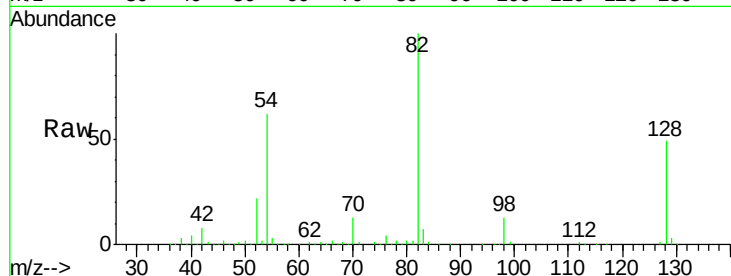




#23
 Nitrobenzene-d5
 Concen: 55.29 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF086961.D
 Acq: 13 May 2016 8:10

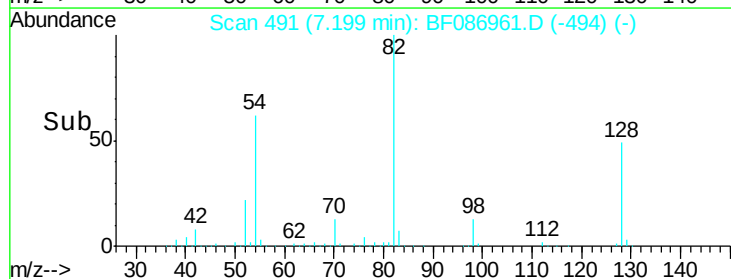
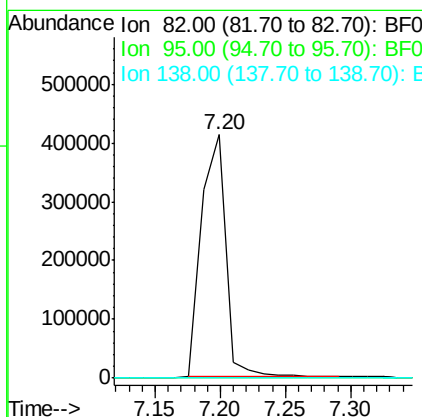
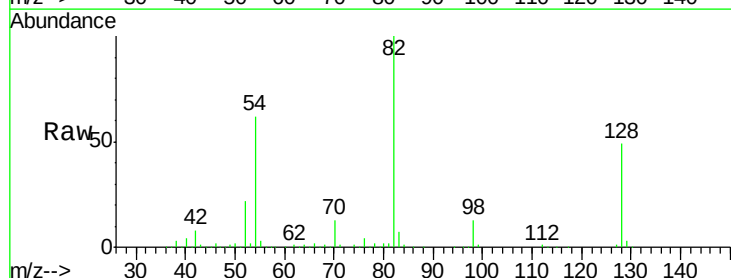
Instrument :
 BNA_F
 ClientSampled :

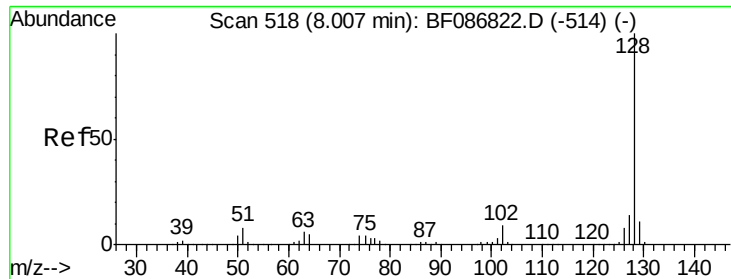
Tot Ion	82	Resp	550814
Ion Ratio	Lower	Upper	
82	100		
128	49.4	40.6	61.0
54	62.1	38.1	57.1#



#25
 Isophorone
 Concen: 28.83 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.33 min
 Lab File: BF086961.D
 Acq: 13 May 2016 8:10

Tgt Ion	82	Resp	532841
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

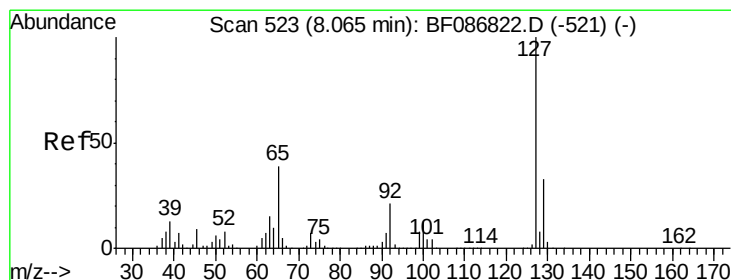
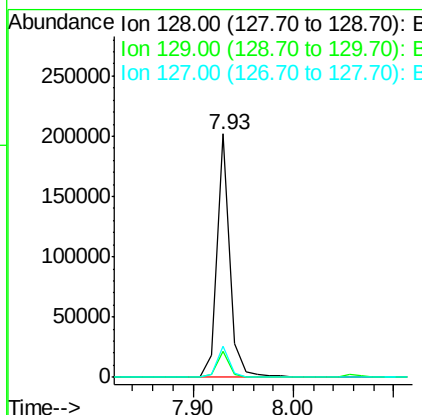
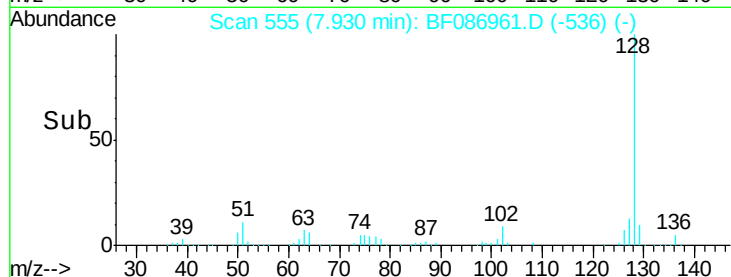
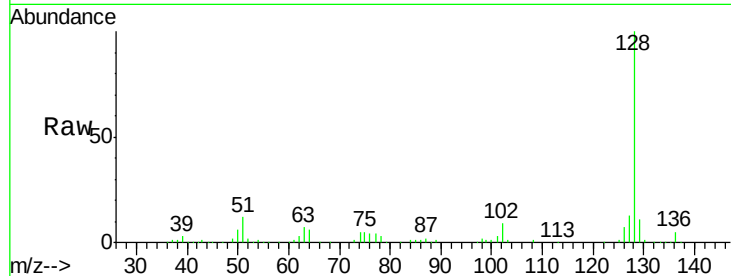




#31
Naphthalene
Concen: 7.10 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.08 min
Lab File: BF086961.D
Acq: 13 May 2016 8:10

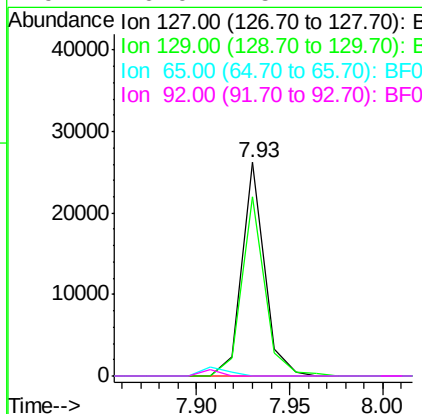
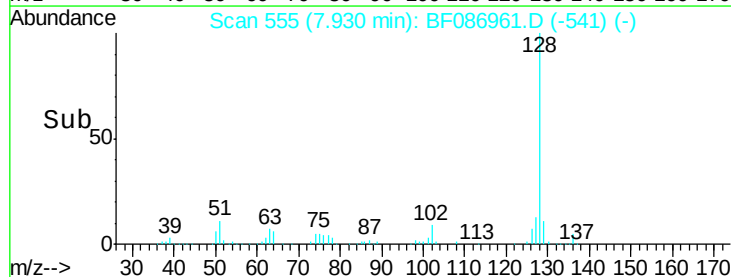
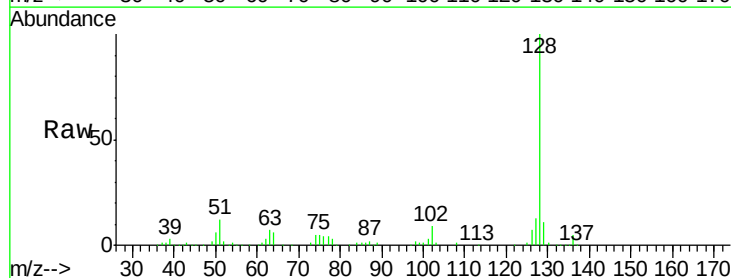
Instrument :
BNA_F
ClientSampled :

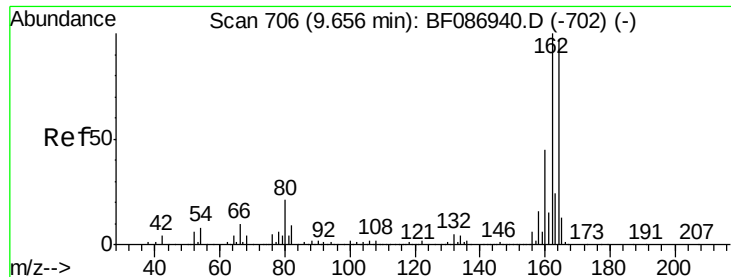
Tot Ion:128 Resp: 177799
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.8 16.2



#33
4-Chloroaniline
Concen: 2.28 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.13 min
Lab File: BF086961.D
Acq: 13 May 2016 8:10

Tgt Ion:127 Resp: 22244
Ion Ratio Lower Upper
127 100
129 84.2 26.2 39.4#
65 0.0 23.0 34.4#
92 0.0 15.1 22.7#

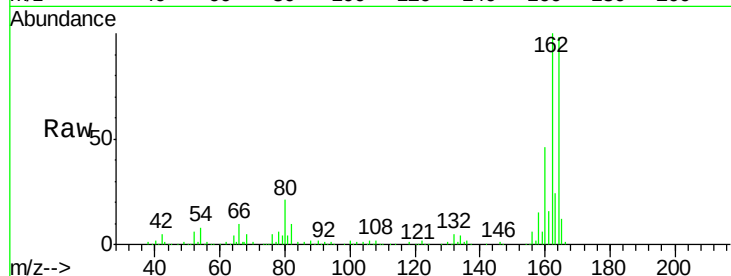




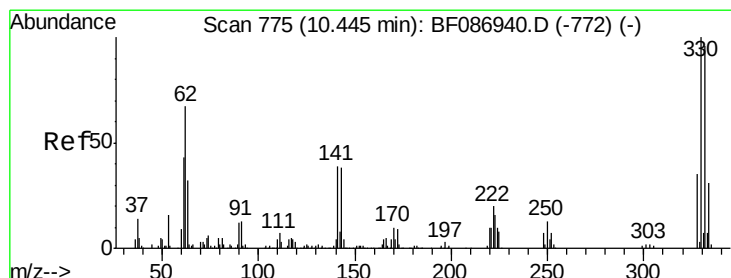
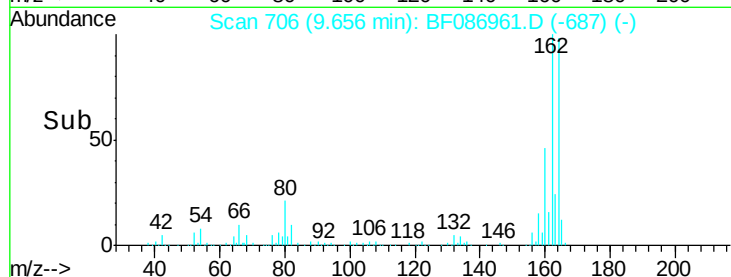
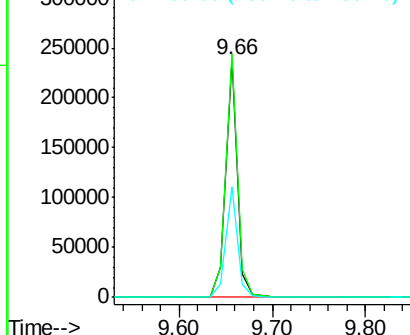
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.08 min
Lab File: BF086961.D
Acq: 13 May 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 204828
Ion Ratio Lower Upper
164 100
162 102.2 82.8 124.2
160 46.5 36.9 55.3

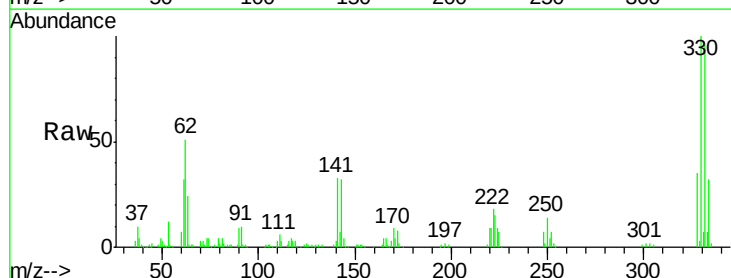


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

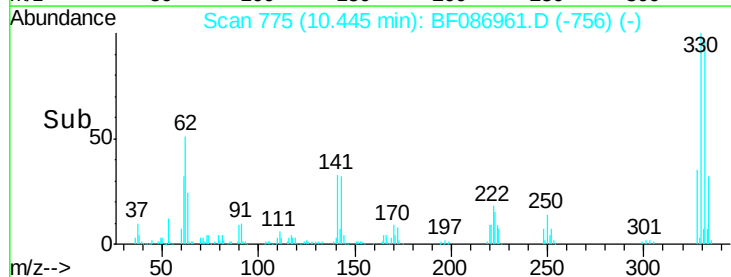
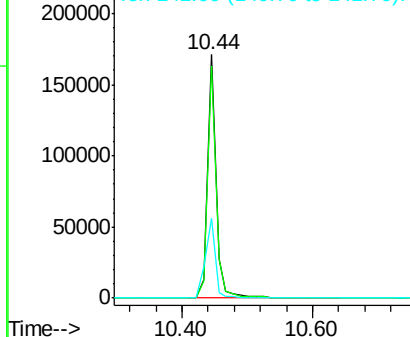


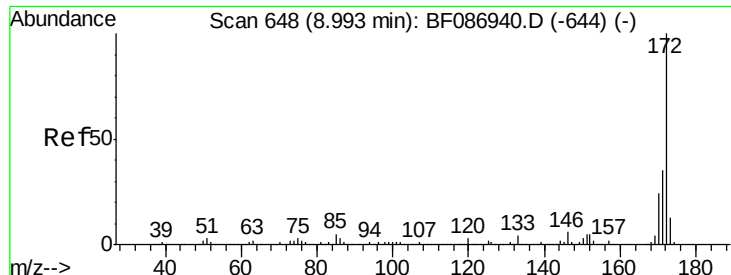
#41
2,4,6-Tribromophenol
Concen: 71.79 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.08 min
Lab File: BF086961.D
Acq: 13 May 2016 8:10

Tgt Ion:330 Resp: 155677
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 37.5 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

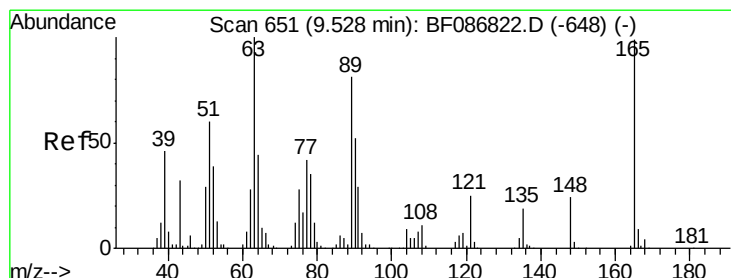
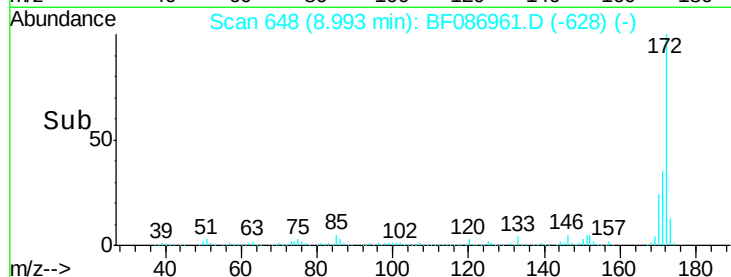
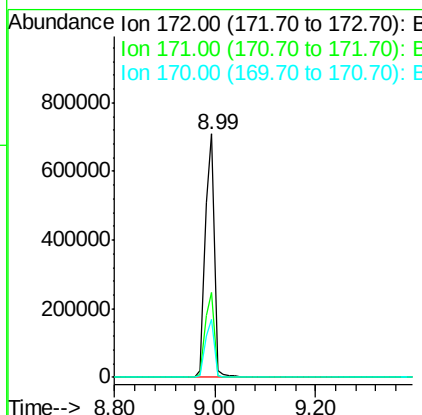
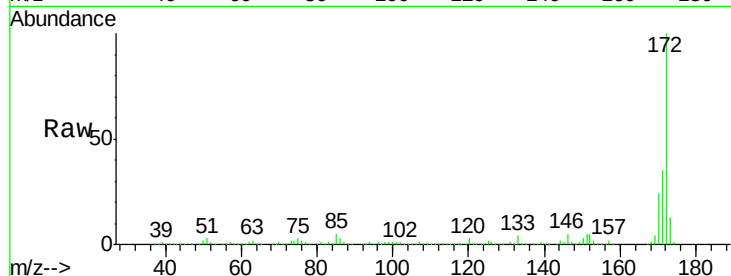




#44
 2-Fluorobiphenyl
 Concen: 72.97 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086961.D
 Acq: 13 May 2016 8:10

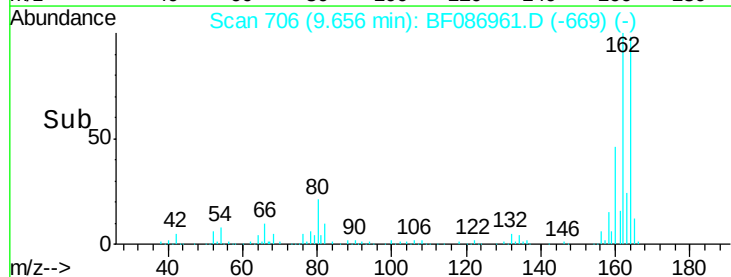
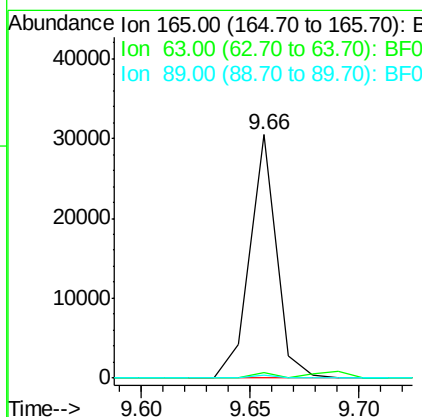
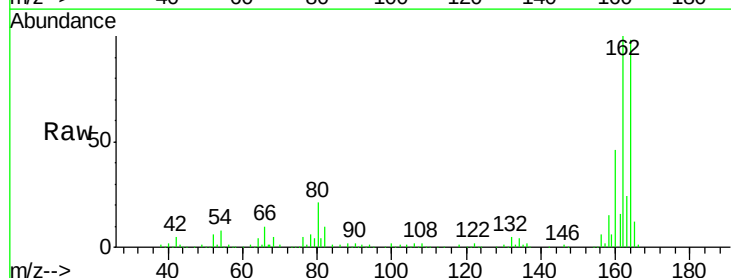
Instrument :
 BNA_F
 ClientSampled :

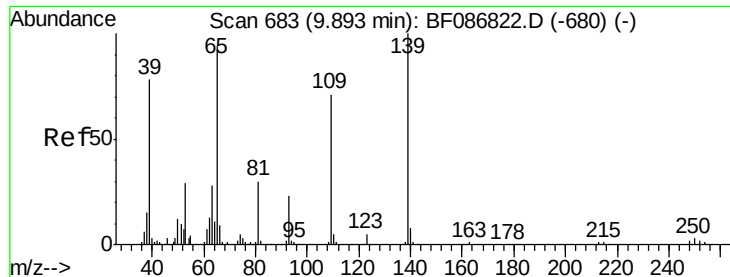
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	23.7	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.66 min Scan# 706
 Delta R.T. 0.13 min
 Lab File: BF086961.D
 Acq: 13 May 2016 8:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	51.8	77.8#
89	1.5	50.7	76.1#





#55

4-Nitrophenol

Concen: 5.03 ng

RT: 9.86 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF086961.D

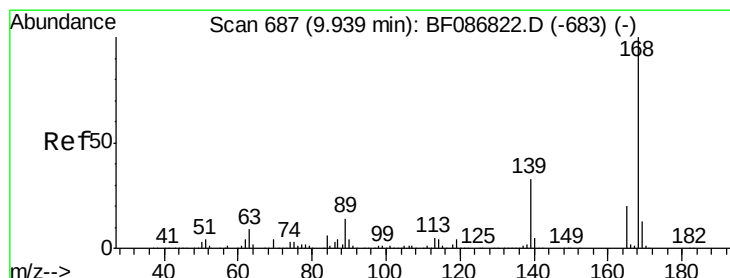
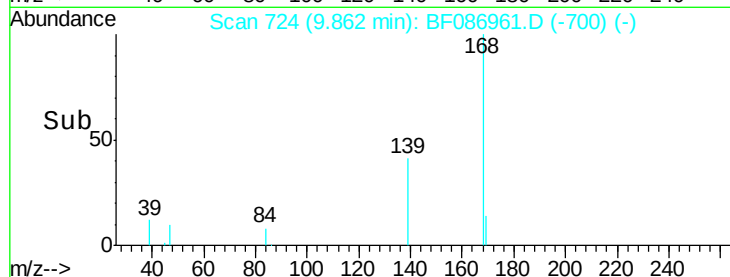
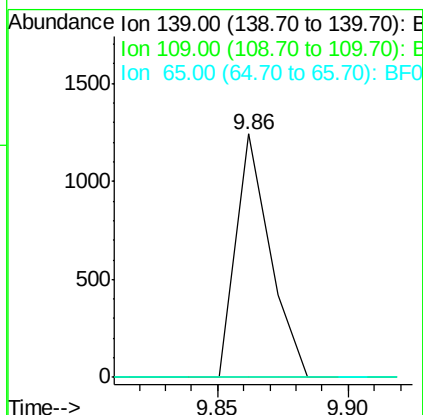
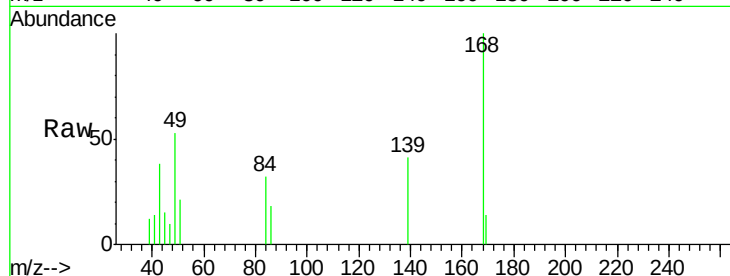
Acq: 13 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	139	Resp:	1140
Ion	Ratio	Lower	Upper
139	100		
109	0.0	36.9	76.9#
65	0.0	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 6.40 ng

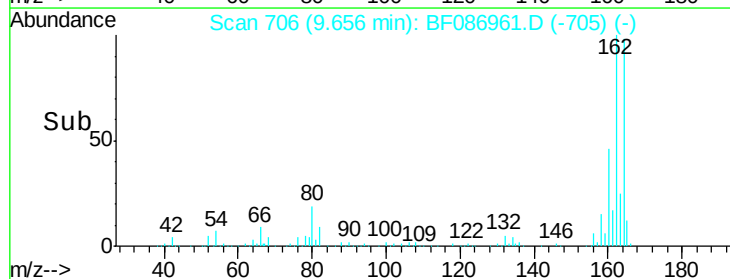
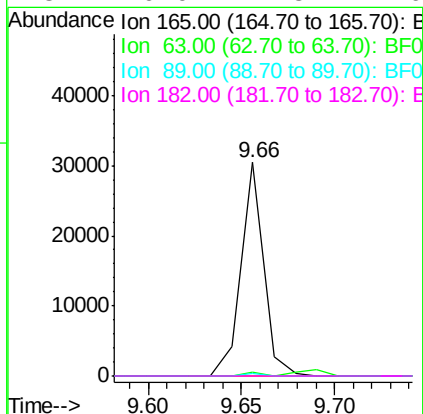
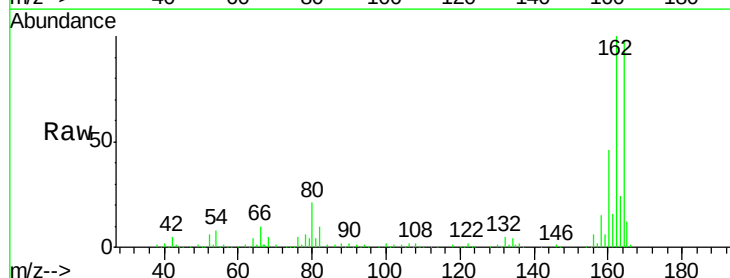
RT: 9.66 min Scan# 706

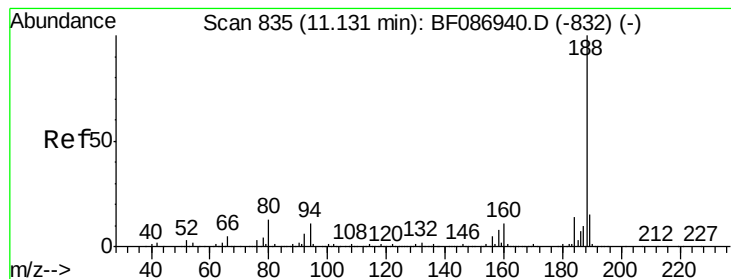
Delta R.T. -0.28 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

Tgt Ion:	165	Resp:	26045
Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	1.5	70.0	105.0#
182	0.0	1.8	2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.08 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

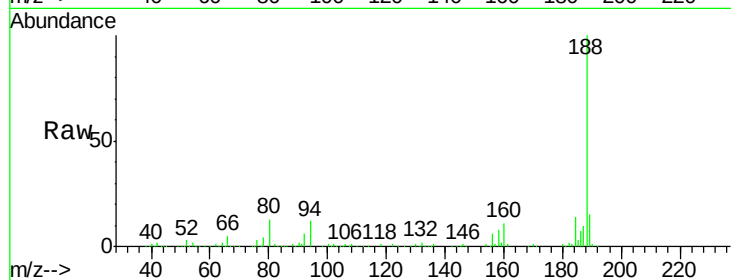
Tot Ion:188 Resp: 315358

Ion Ratio Lower Upper

188 100

94 11.5 6.8 10.2#

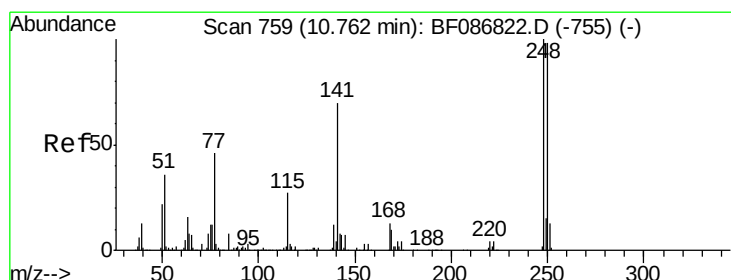
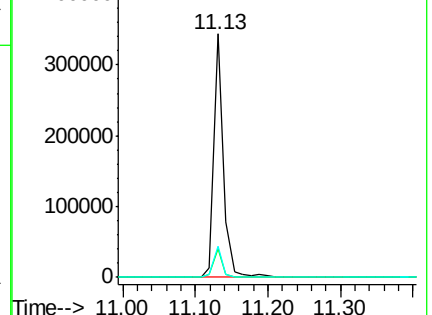
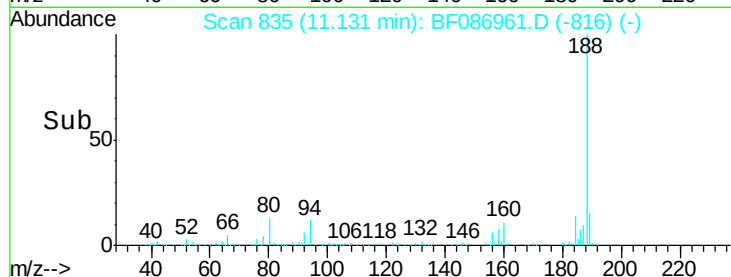
80 12.9 7.1 10.7#



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: 3.17 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.32 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

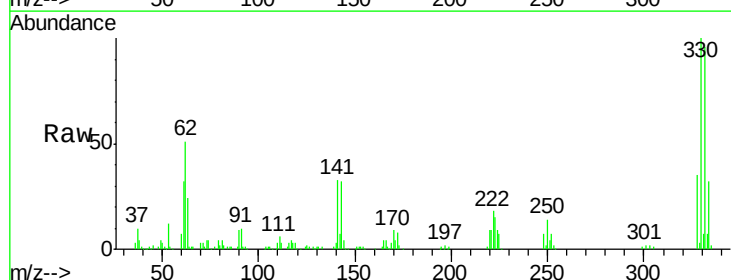
Tgt Ion:248 Resp: 10139

Ion Ratio Lower Upper

248 100

250 202.7 78.6 117.8#

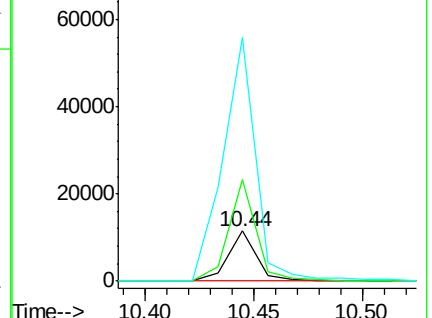
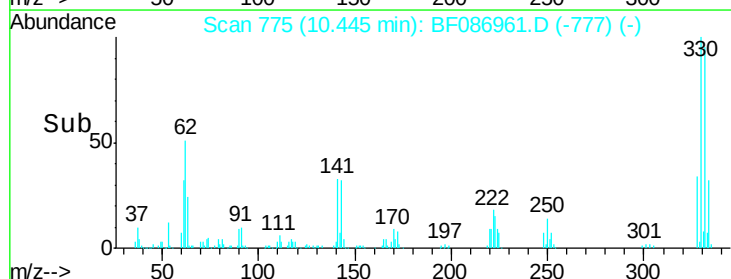
141 488.5 76.0 114.0#

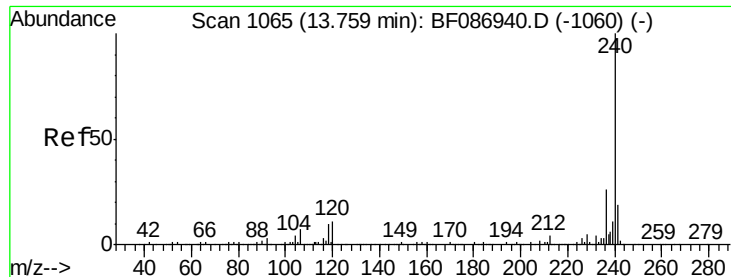


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

Instrument :

BNA_F

ClientSampleId :

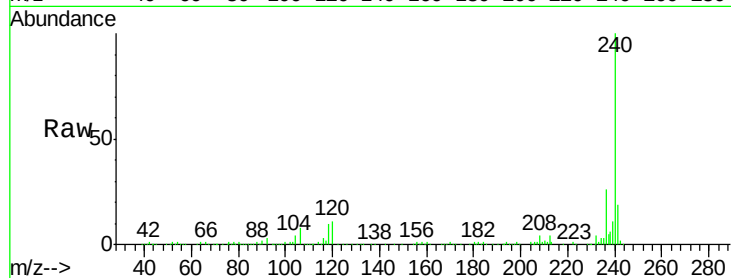
Tot Ion:240 Resp: 309336

Ion Ratio Lower Upper

240 100

120 11.4 11.2 16.8

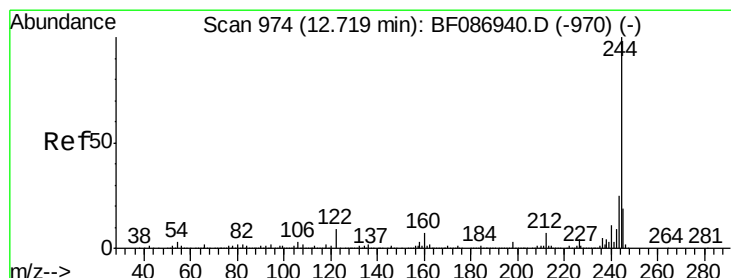
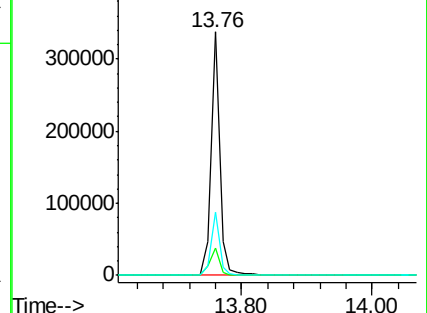
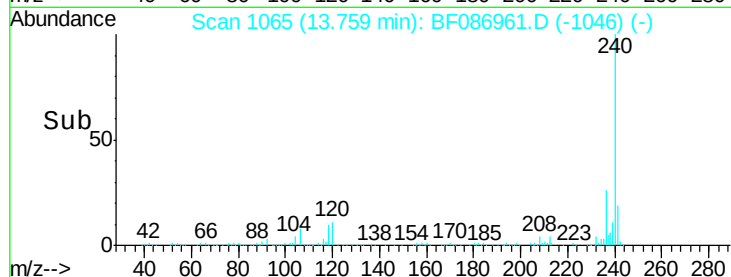
236 26.1 21.2 31.8



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



#78

Terphenyl-d14

Concen: 52.92 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF086961.D

Acq: 13 May 2016 8:10

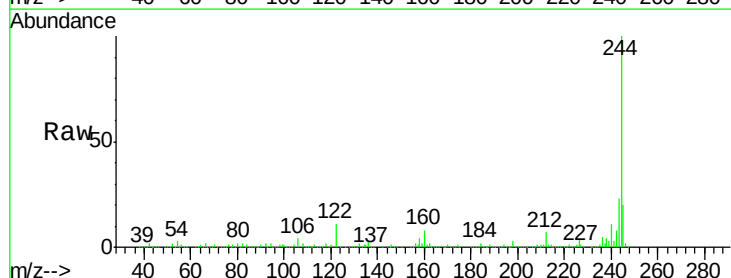
Tgt Ion:244 Resp: 771577

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

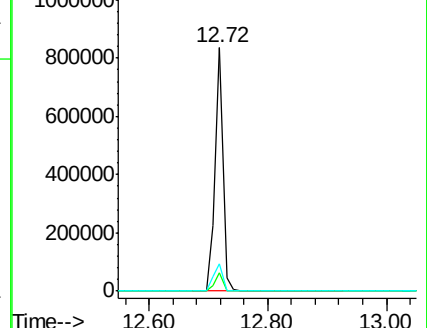
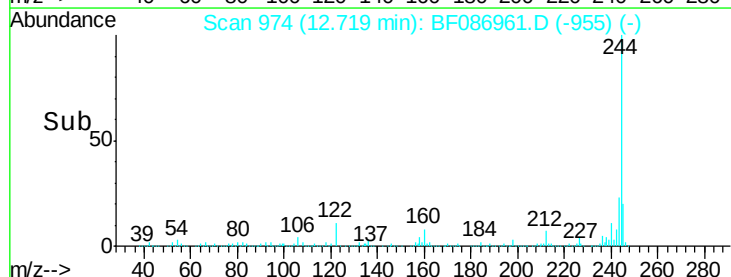
122 11.2 12.0 18.0#

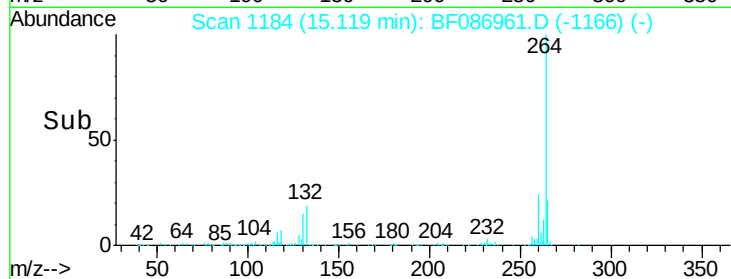
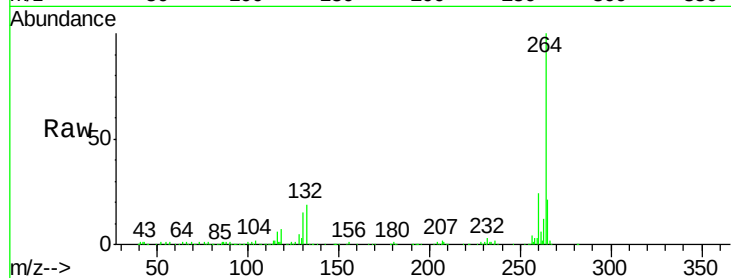
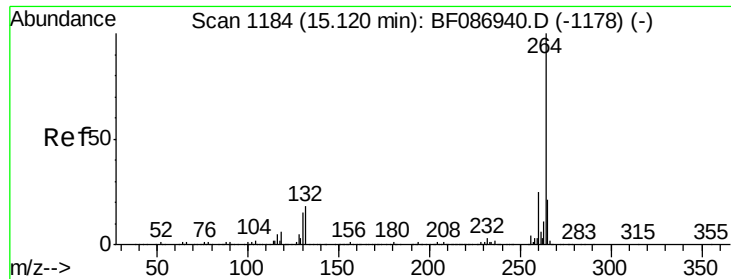


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.12 min Scan# 1184
Delta R.T. -0.09 min
Lab File: BF086961.D
Acq: 13 May 2016 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.4	17.3	25.9

