

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088443.D
 Acq On : 27 Jun 2016 7:58
 Operator : UM/SJ
 Sample : H3698-04
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 27 19:05:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 04:27:12 2016
 Response via : Initial Calibration

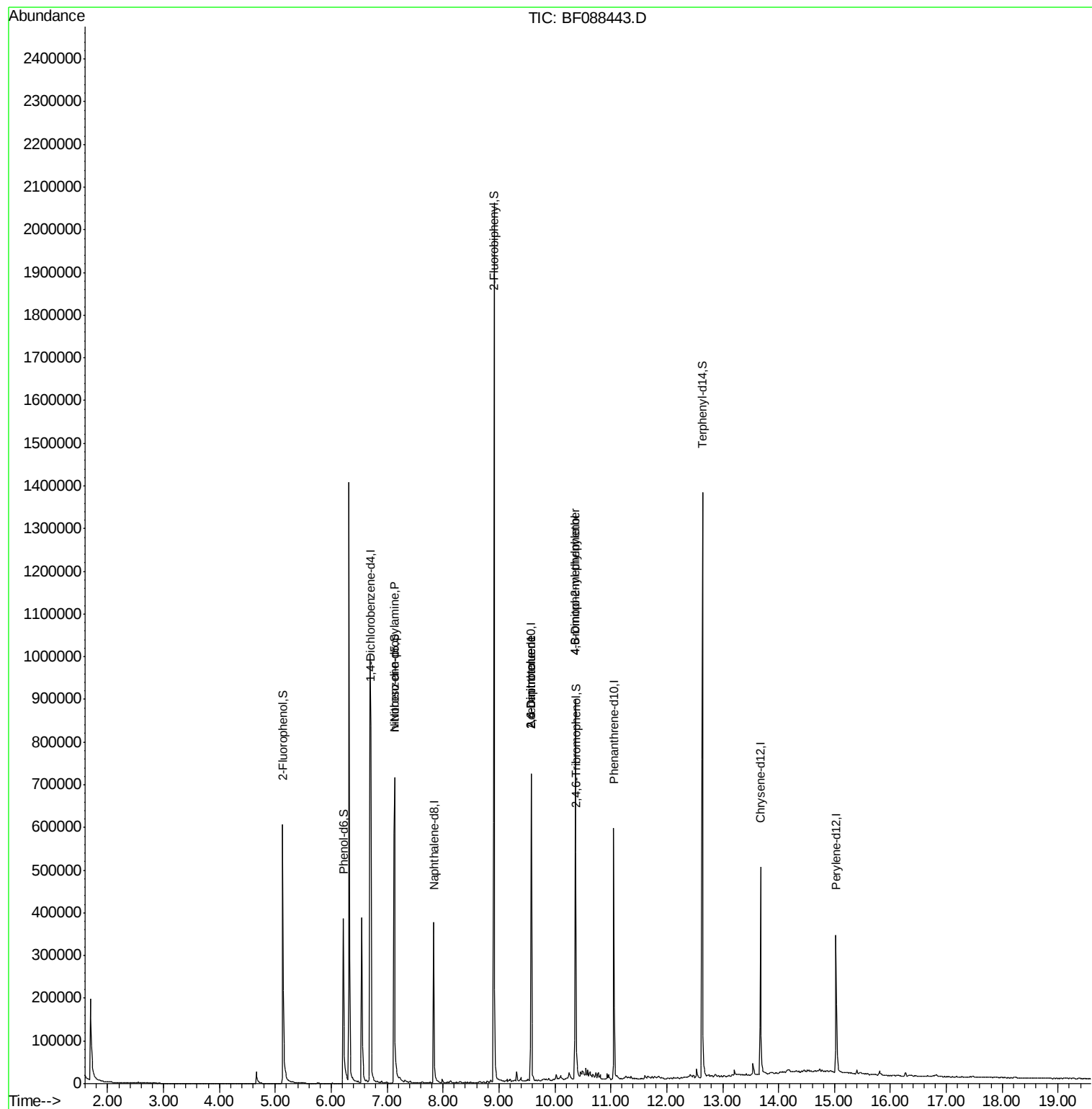
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	256968	20.00	ng	-0.14
21) Naphthalene-d8	7.84	136	297342	20.00	ng	-0.29
38) Acenaphthene-d10	9.58	164	141846	20.00	ng	-0.31
63) Phenanthrene-d10	11.05	188	238413	20.00	ng	-0.31
75) Chrysene-d12	13.68	240	177221	20.00	ng	-0.31
86) Perylene-d12	15.03	264	146525	20.00	ng	-0.37
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	267606	17.80	ng	-0.30
7) Phenol-d6	6.22	99	211085	11.59	ng	-0.26
23) Nitrobenzene-d5	7.13	82	397358	78.04	ng	-0.29
41) 2,4,6-Tribromophenol	10.38	330	153304	102.36	ng	-0.30
44) 2-Fluorobiphenyl	8.91	172	714923	78.77	ng	-0.30
78) Terphenyl-d14	12.64	244	537334	68.99	ng	-0.31
Target Compounds						
10) Phenol	6.32	94	616	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.13	70	51905	4.45	ng	# 66
45) 1,1'-Biphenyl	8.91	154	1298	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.58	165	17529	7.45	ng	# 39
56) 2,4-Dinitrotoluene	9.58	165	17530	5.80	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.36	198	230	2.31	ng	# 1
66) 4-Bromophenyl-phenylether	10.36	248	8669	3.39	ng	# 1

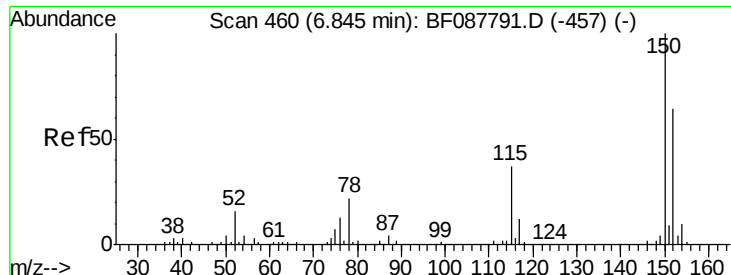
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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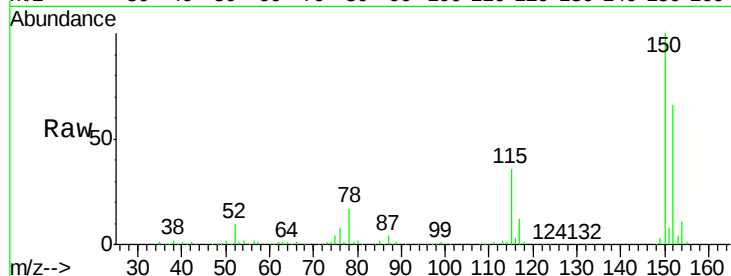


#1

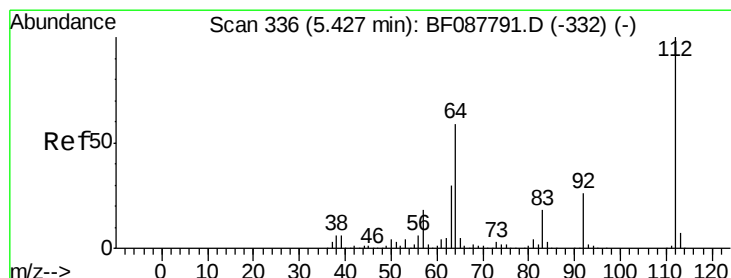
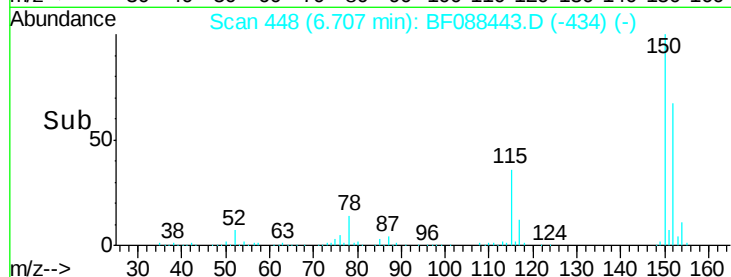
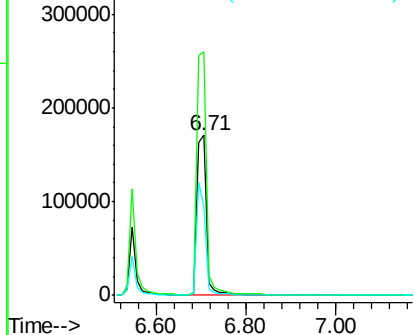
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.14 min
Lab File: BF088443.D
Acq: 27 Jun 2016 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.6
115	55.4	39.6	59.4



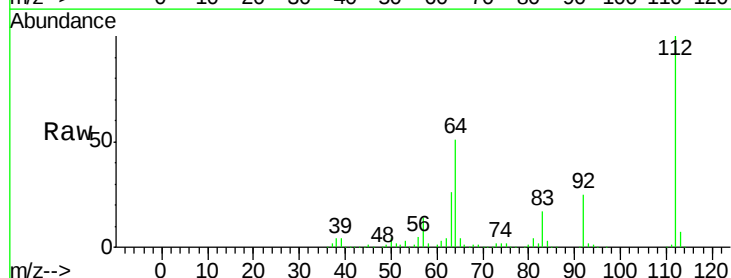
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



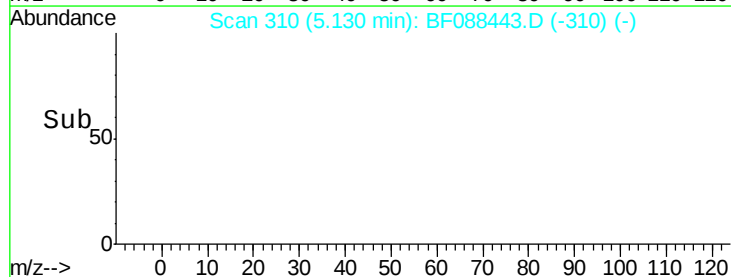
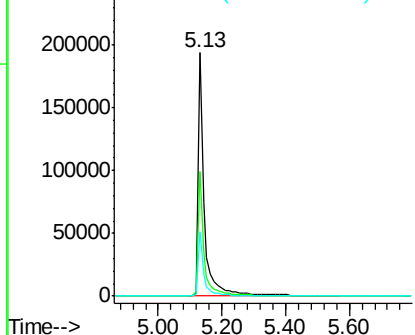
#5

2-Fluorophenol
Concen: 17.80 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.30 min
Lab File: BF088443.D
Acq: 27 Jun 2016 7:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	42.2	63.2
63	26.3	21.8	32.8



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: 11.59 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.26 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

Instrument :

BNA_F

ClientSampleId :

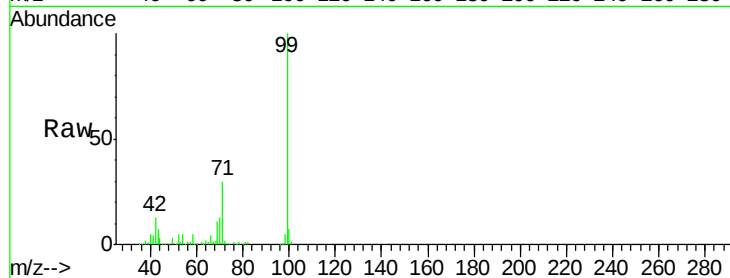
Tot Ion: 99 Resp: 211085

Ion Ratio Lower Upper

99 100

42 12.9 12.2 18.2

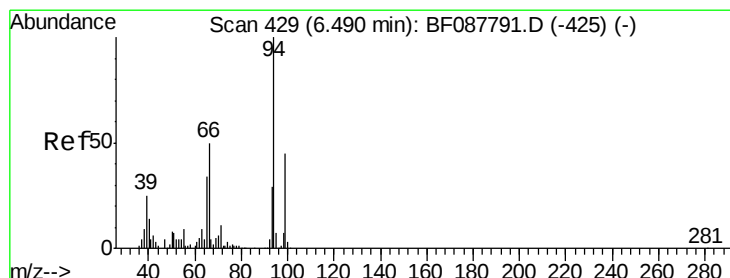
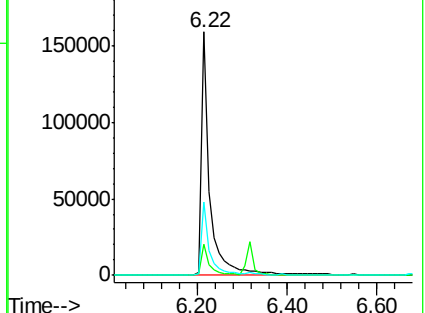
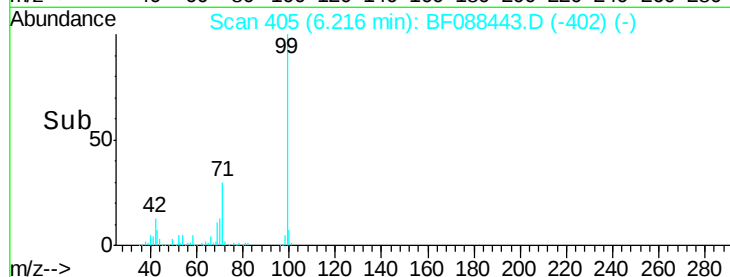
71 30.2 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.32 min Scan# 414

Delta R.T. -0.17 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

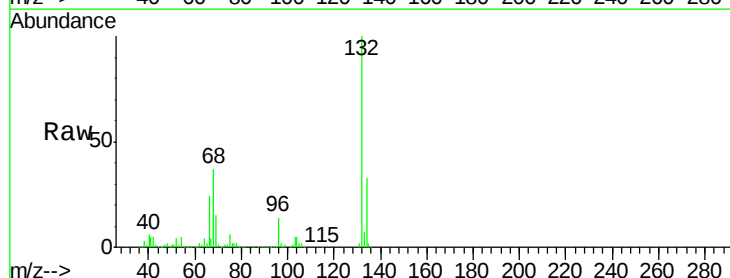
Tgt Ion: 94 Resp: 616

Ion Ratio Lower Upper

94 100

65 896.2 5.9 45.9#

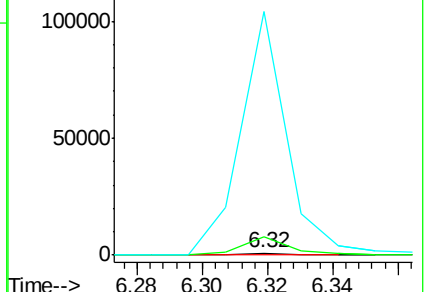
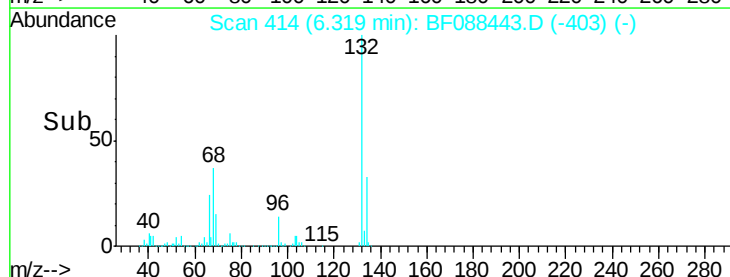
66 11585.3 14.0 54.0#

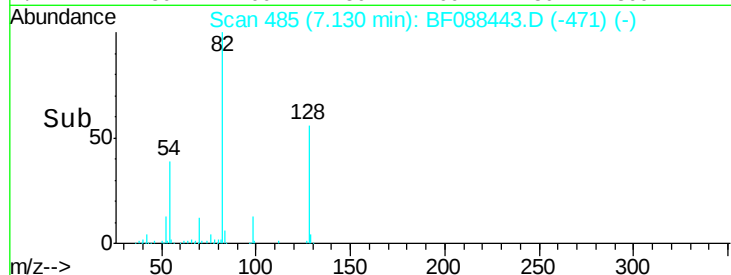
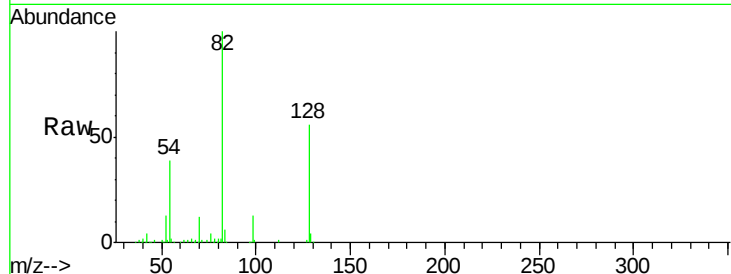
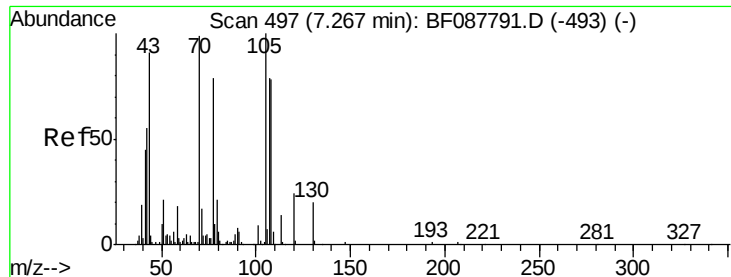


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

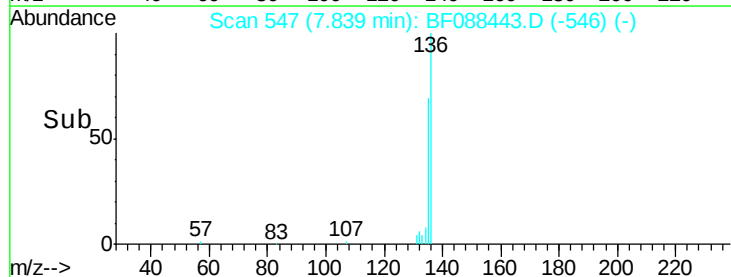
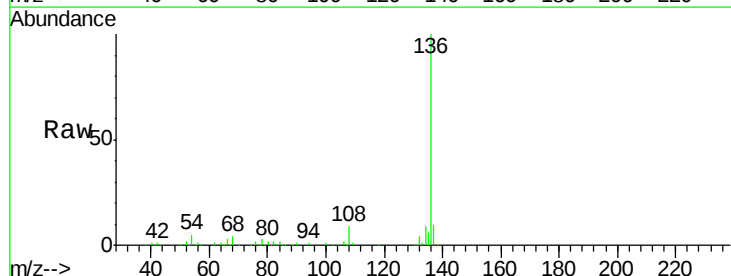
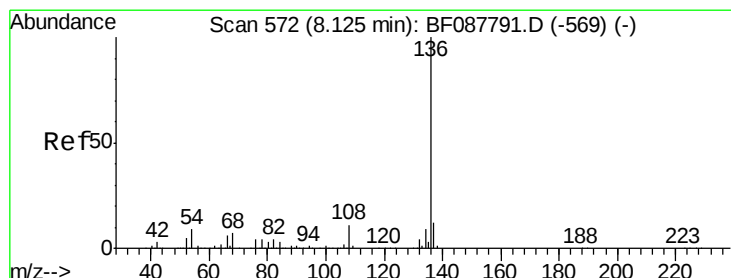
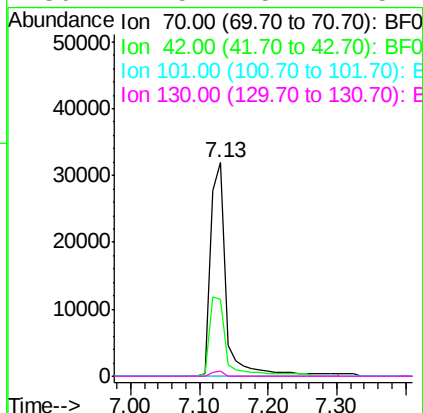




#19
n-Nitroso-di-n-propylamine
Concen: 4.45 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.14 min
Lab File: BF088443.D
Acq: 27 Jun 2016 7:58

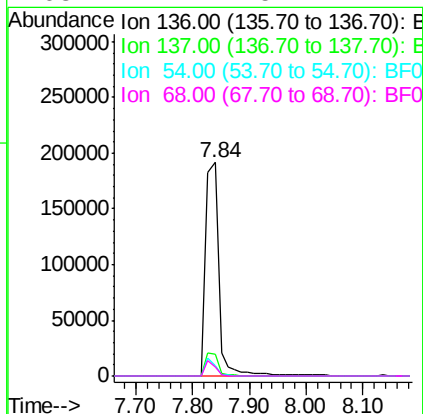
Instrument :
BNA_F
ClientSampleId :

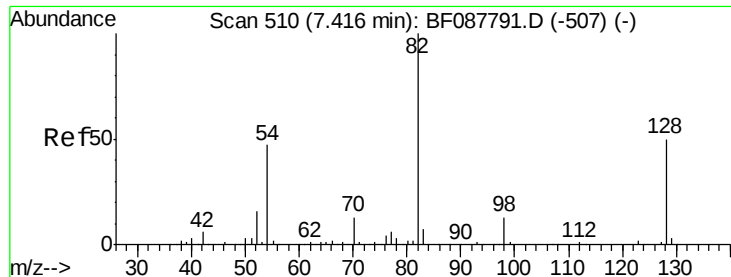
Tot Ion:	70	Resp:	51905
Ion	Ratio	Lower	Upper
70	100		
42	35.8	49.6	74.4#
101	0.0	7.1	10.7#
130	2.5	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. -0.29 min
Lab File: BF088443.D
Acq: 27 Jun 2016 7:58

Tgt Ion:	136	Resp:	297342
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	4.8	6.6	10.0#
68	4.2	5.1	7.7#

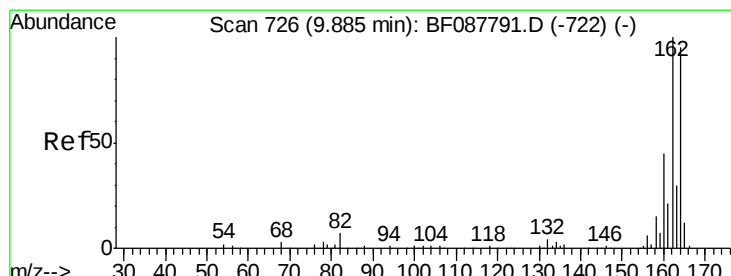
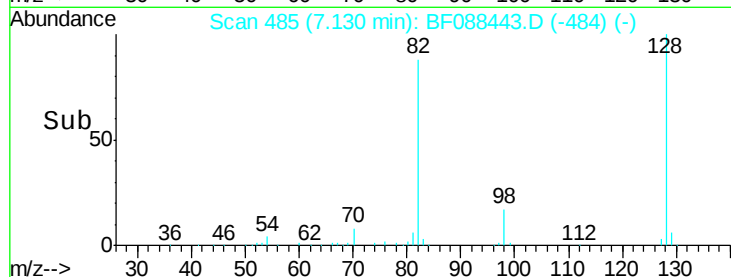
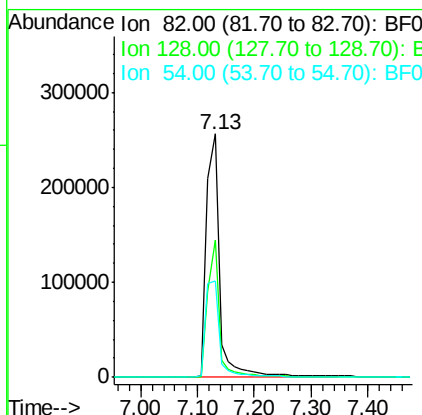
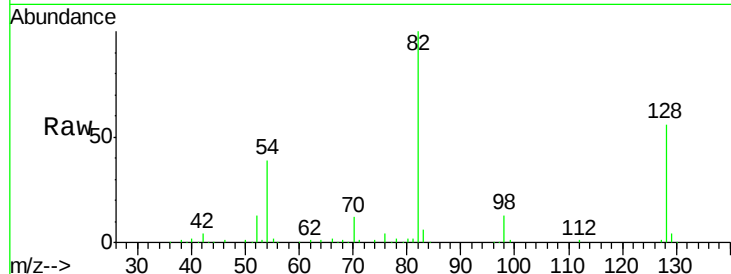




#23
 Nitrobenzene-d5
 Concen: 78.04 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.29 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

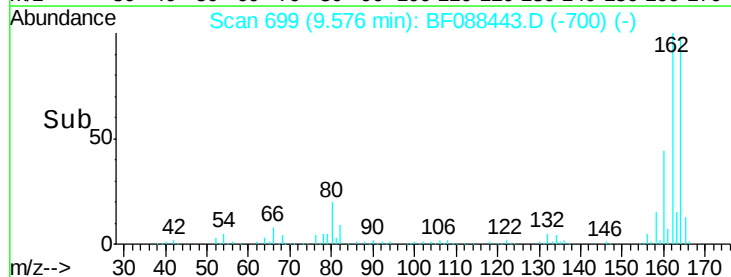
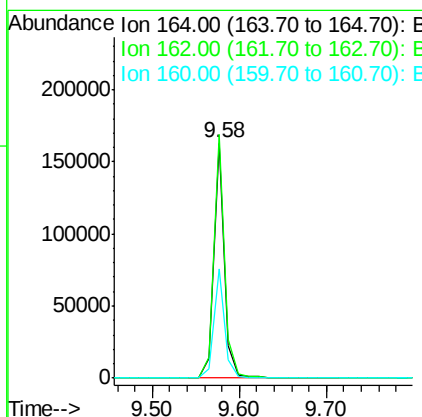
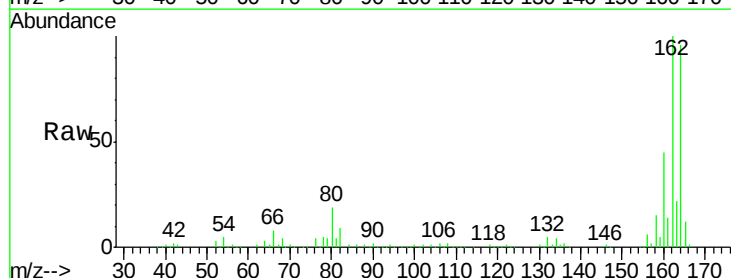
Instrument :
 BNA_F
 ClientSampleId :

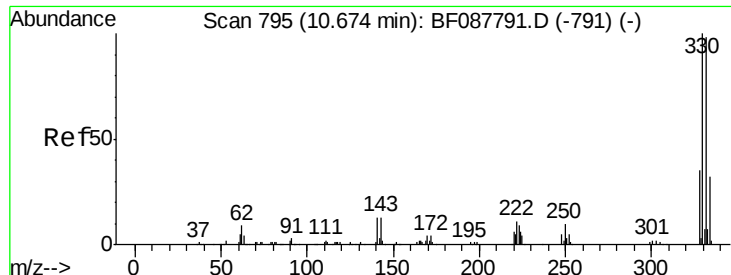
Tot Ion: 82 Resp: 397358
 Ion Ratio Lower Upper
 82 100
 128 56.3 35.9 53.9#
 54 39.4 40.9 61.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.31 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

Tgt Ion:164 Resp: 141846
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.4 128.2
 160 46.4 39.5 59.3

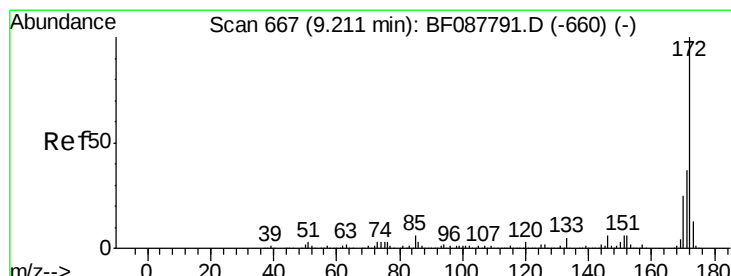
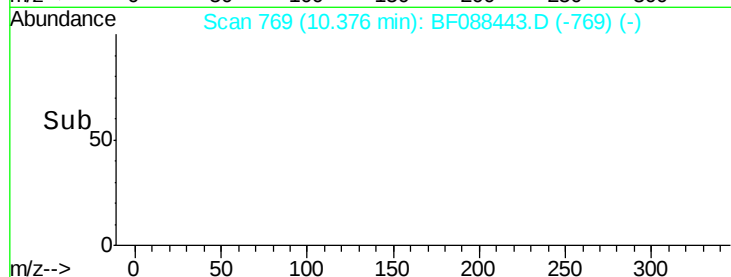
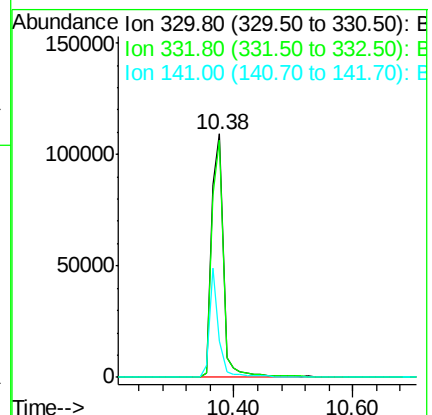
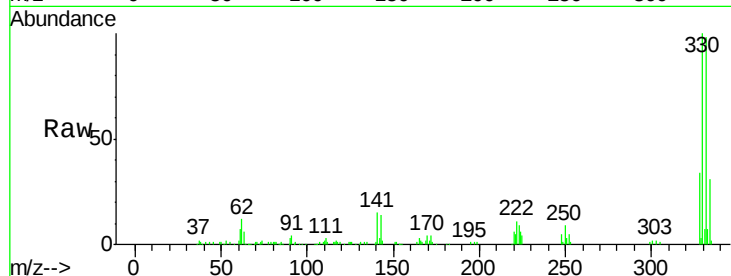




#41
 2,4,6-Tribromophenol
 Concen: 102.36 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.30 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

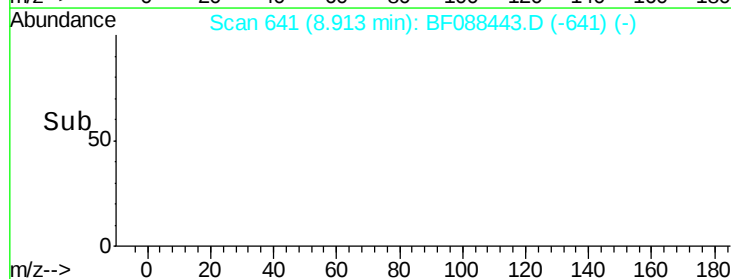
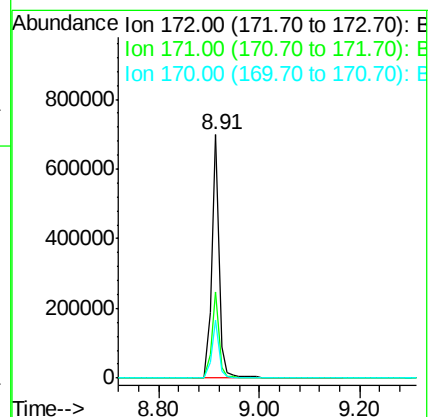
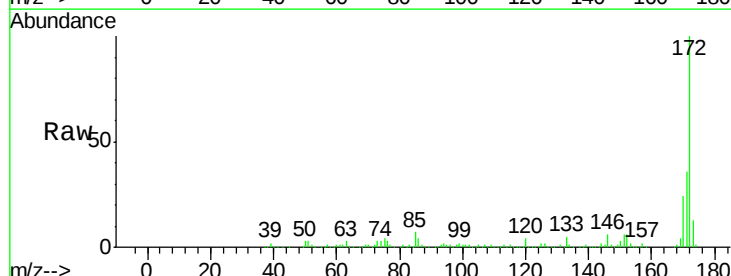
Instrument :
 BNA_F
 ClientSampled :

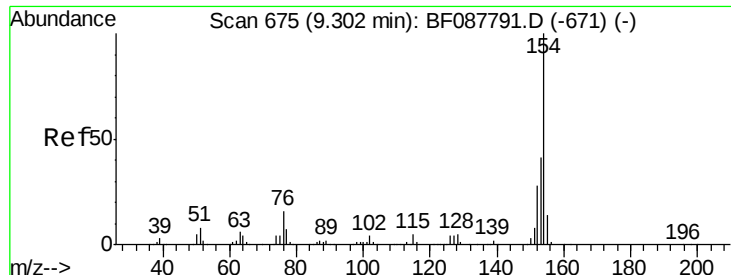
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	35.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 78.77 ng
 RT: 8.91 min Scan# 641
 Delta R.T. -0.30 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.0	19.2	28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 8.91 min Scan# 641

Delta R.T. -0.39 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

Instrument :

BNA_F

ClientSampleId :

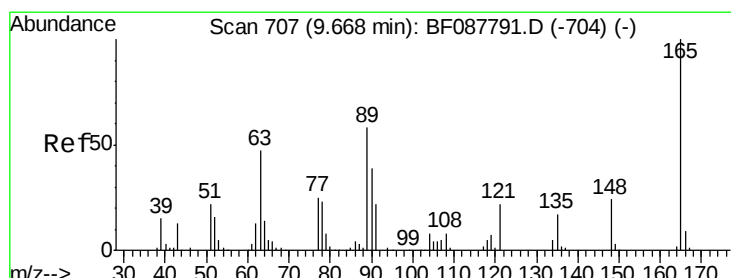
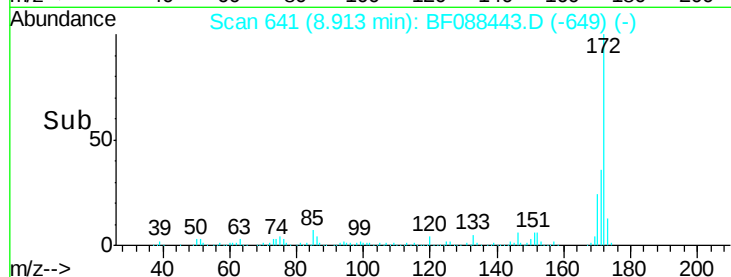
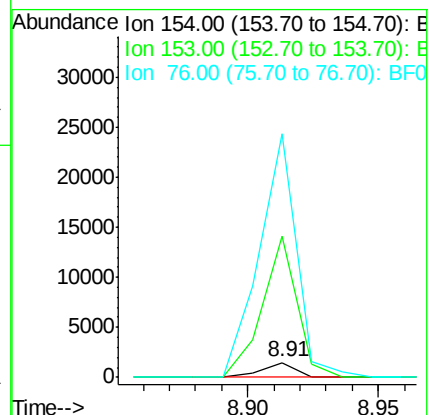
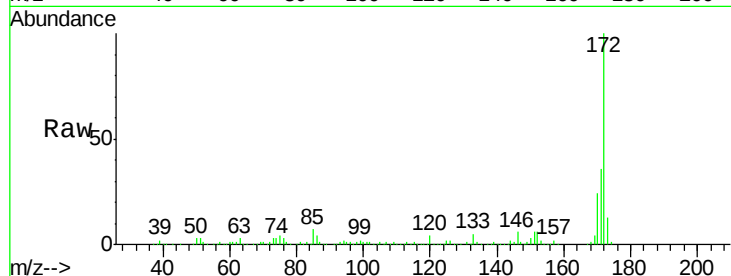
Tot Ion:154 Resp: 1298

Ion Ratio Lower Upper

154 100

153 963.6 20.6 60.6#

76 1664.0 0.0 35.1#



#50

2,6-Dinitrotoluene

Concen: 7.45 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.09 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

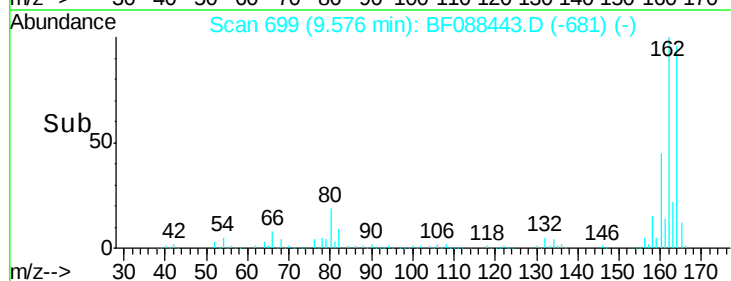
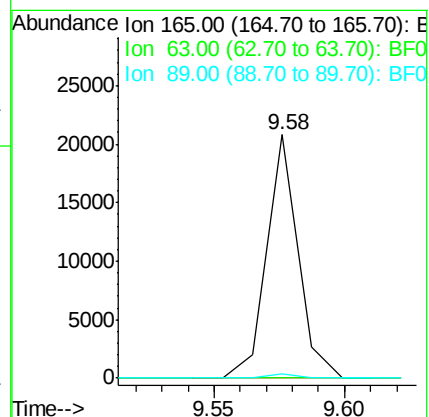
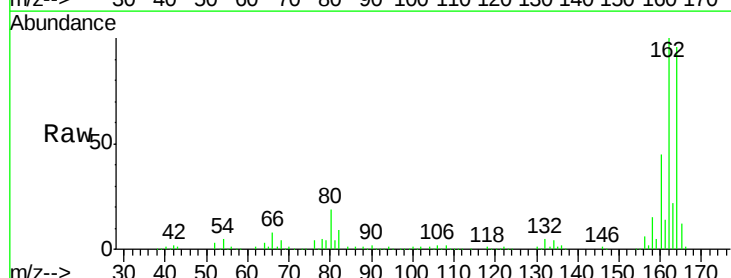
Tgt Ion:165 Resp: 17529

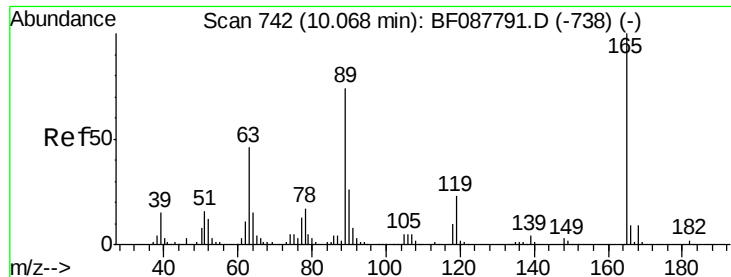
Ion Ratio Lower Upper

165 100

63 0.0 28.1 42.1#

89 1.9 32.2 48.2#

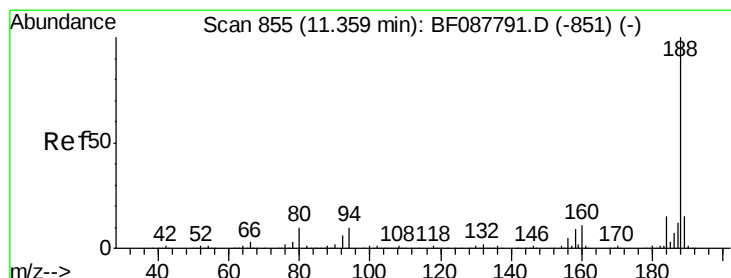
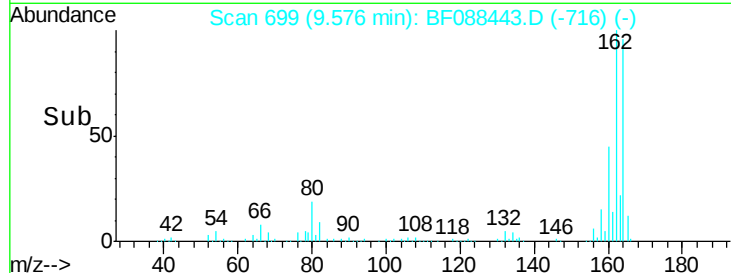
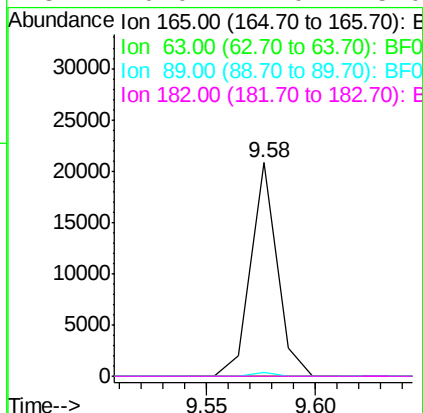
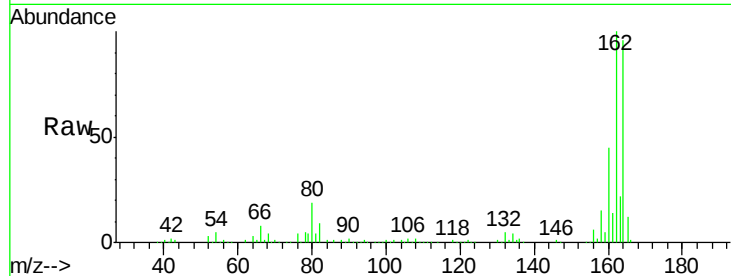




#56
 2,4-Dinitrotoluene
 Concen: 5.80 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.49 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

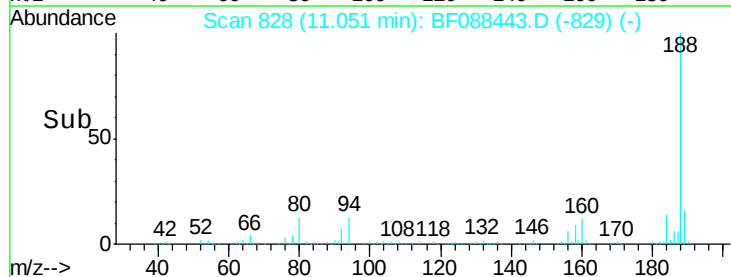
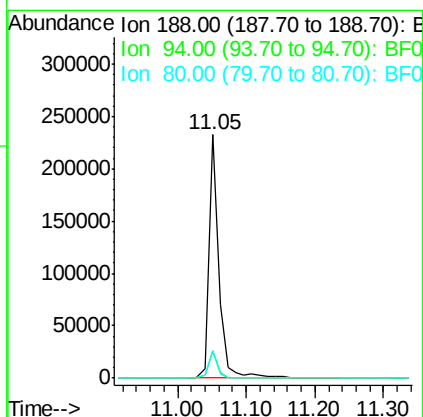
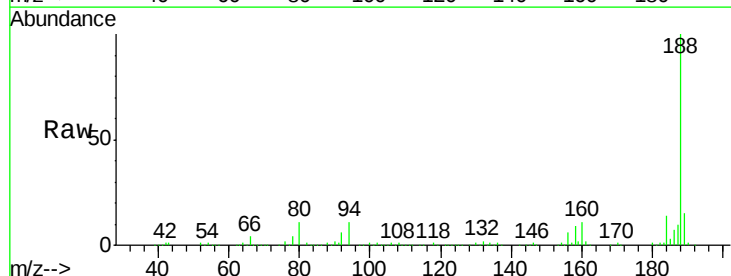
Instrument :
 BNA_F
 ClientSampleId :

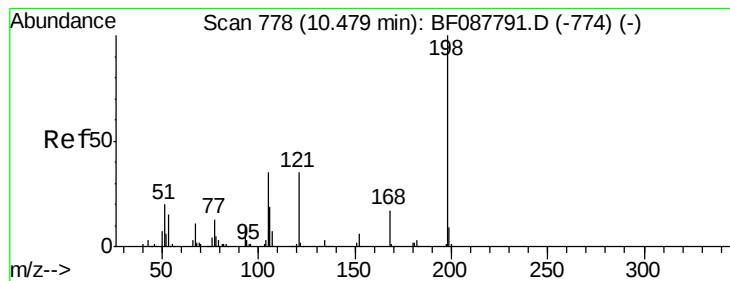
Tot Ion:165	Resp:	17530
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.0 33.0#
89	1.9	41.1 61.7#
182	0.0	2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.31 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

Tgt Ion:188	Resp:	238413
Ion Ratio	Lower	Upper
188	100	
94	11.1	9.0 13.6
80	11.2	10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.31 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.11 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

Instrument :

BNA_F

ClientSampleId :

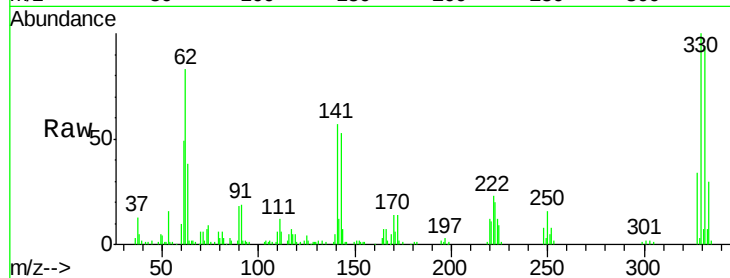
Tot Ion:198 Resp: 230

Ion Ratio Lower Upper

198 100

51 216.1 39.6 79.6#

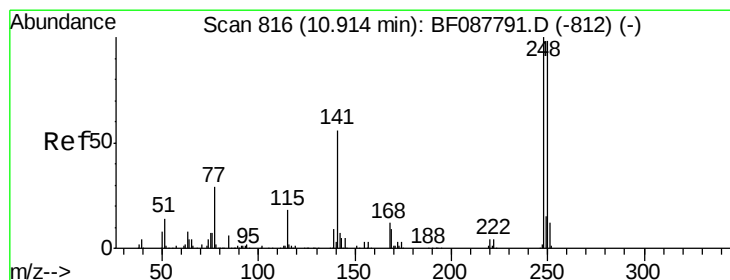
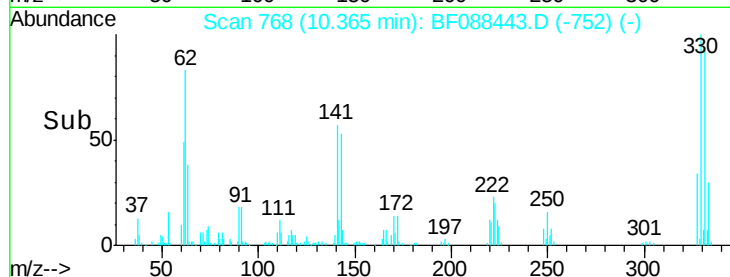
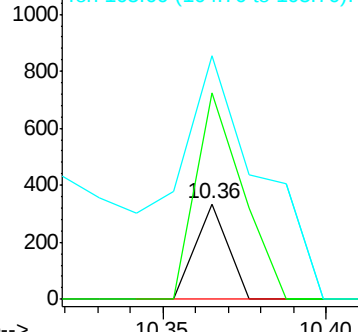
105 254.9 36.6 76.6#



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: 3.39 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.55 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

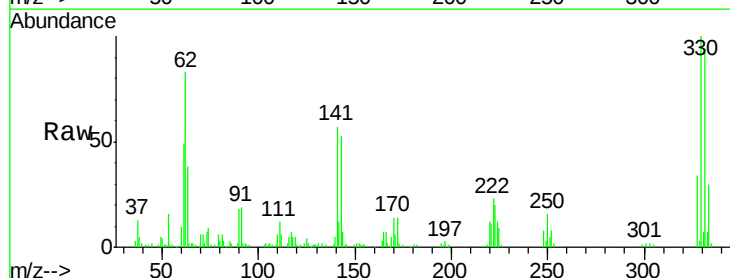
Tgt Ion:248 Resp: 8669

Ion Ratio Lower Upper

248 100

250 196.5 77.1 115.7#

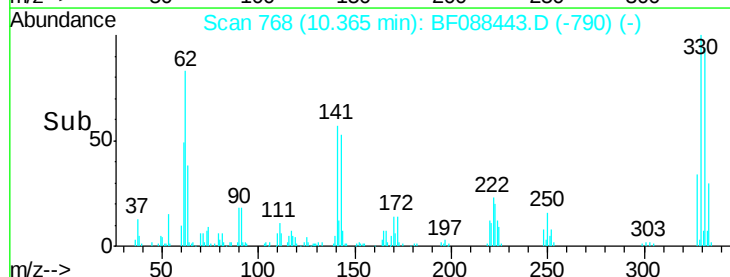
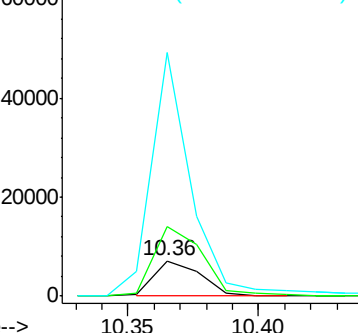
141 692.5 50.6 76.0#

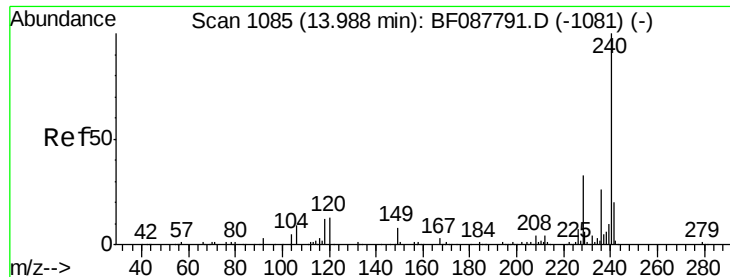


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.68 min Scan# 1058

Delta R.T. -0.31 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

Instrument :

BNA_F

ClientSampleId :

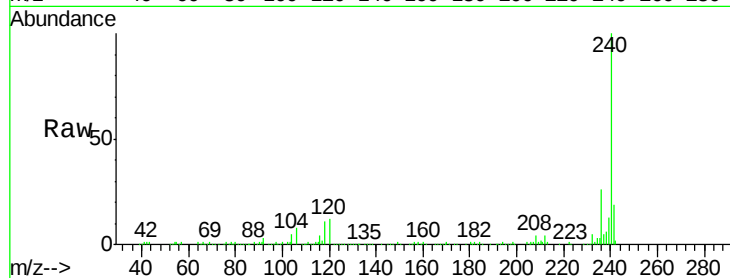
Tot Ion:240 Resp: 177221

Ion Ratio Lower Upper

240 100

120 12.2 6.8 10.2#

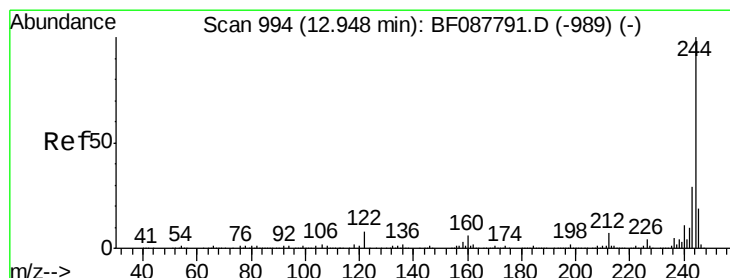
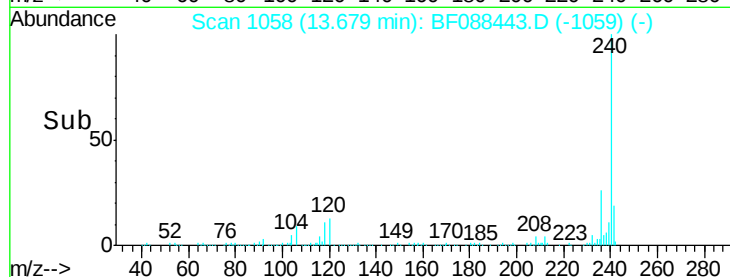
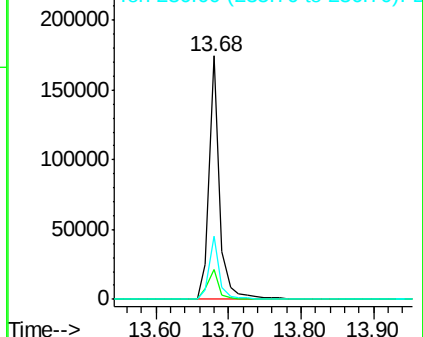
236 25.8 20.2 30.2



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: 68.99 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.31 min

Lab File: BF088443.D

Acq: 27 Jun 2016 7:58

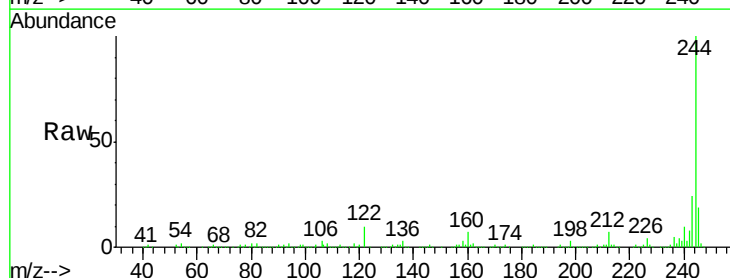
Tgt Ion:244 Resp: 537334

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

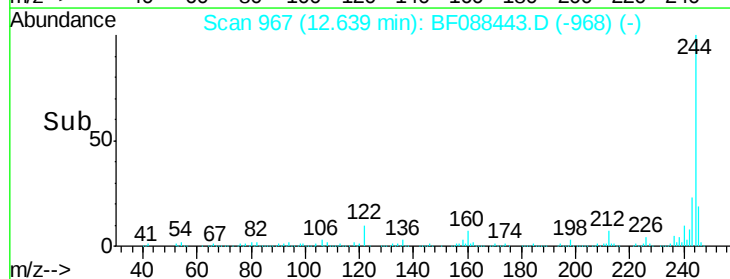
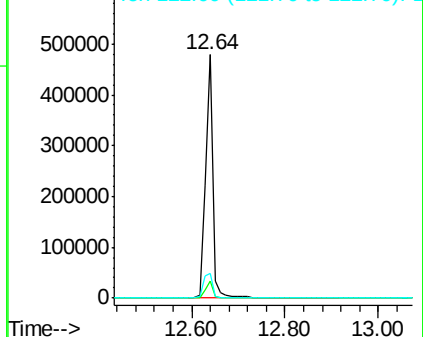
122 10.3 11.2 16.8#

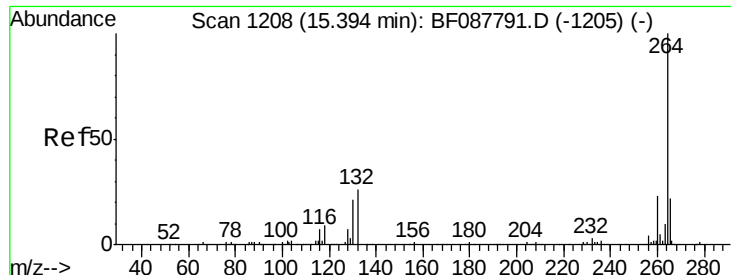


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

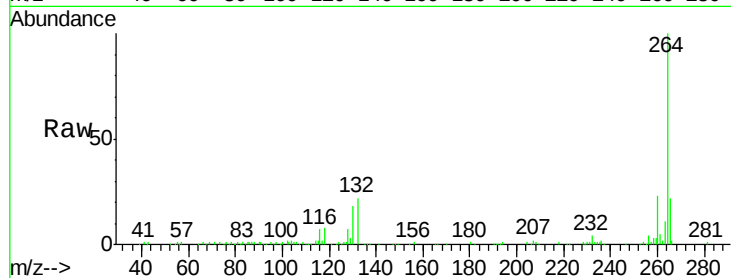




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.37 min
 Lab File: BF088443.D
 Acq: 27 Jun 2016 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	16.9	25.3



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

