

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062316\
 Data File : BF088322.D
 Acq On : 24 Jun 2016 8:32
 Operator : UM/SJ
 Sample : H3683-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 24 13:04:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	79227	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	319056	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	145371	20.00	ng	-0.02
63) Phenanthrene-d10	11.10	188	248835	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	177373	20.00	ng	-0.02
86) Perylene-d12	15.09	264	153901	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	495674	106.96	ng	0.01
7) Phenol-d6	6.26	99	631408	112.42	ng	0.00
23) Nitrobenzene-d5	7.16	82	372855	68.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	129811	84.57	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	694395	74.34	ng	-0.01
78) Terphenyl-d14	12.69	244	524840	67.33	ng	-0.01

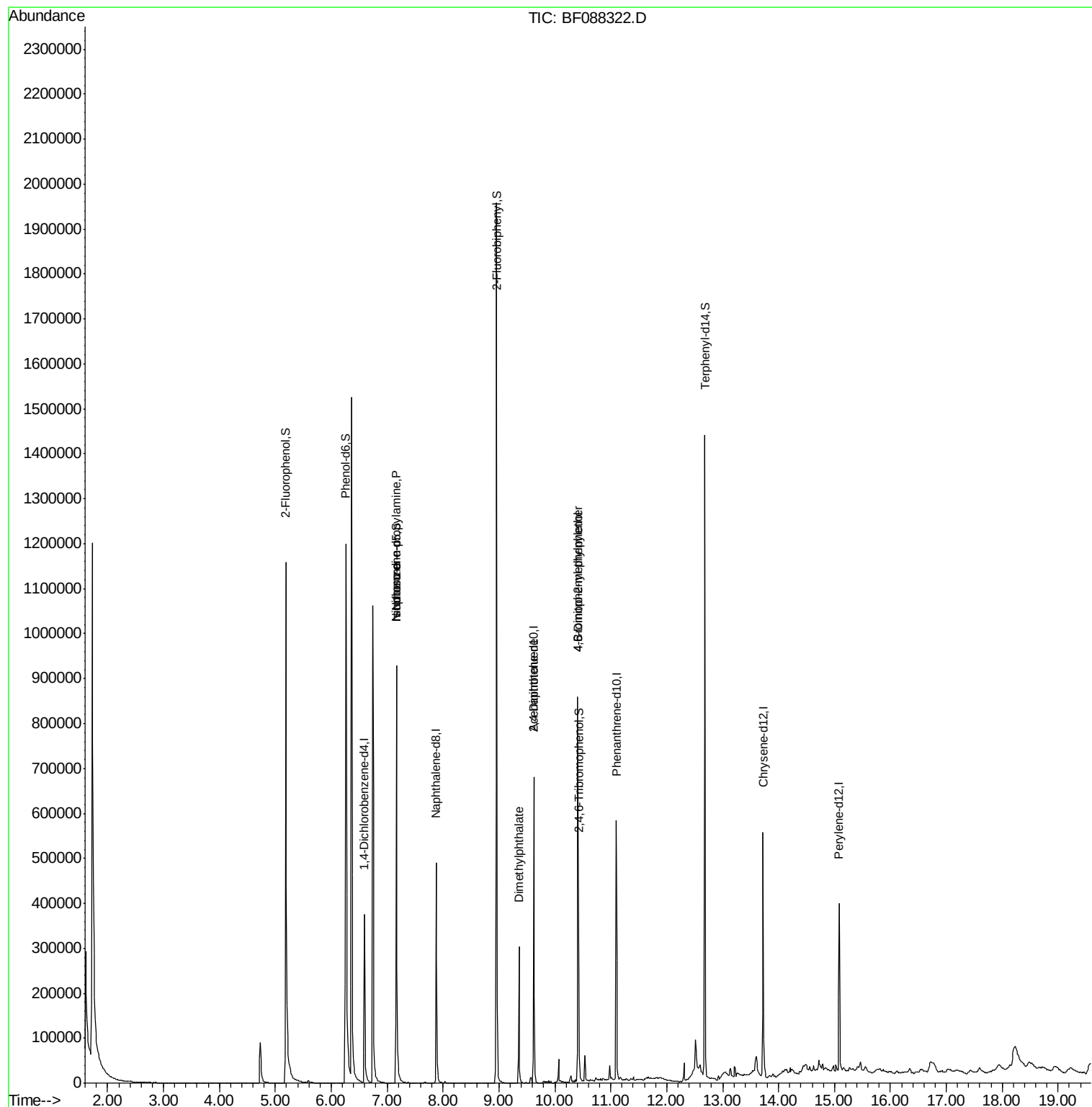
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	3255	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.16	70	47521	13.23	ng	70
25) Isophorone	7.16	82	372860	36.84	ng	65
45) 1,1'-Biphenyl	8.96	154	1309	Below Cal	#	1
49) Dimethylphthalate	9.36	163	140653	13.36	ng	99
56) 2,4-Dinitrotoluene	9.62	165	18344	5.92	ng	36
57) Fluorene	10.17	166	213	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.41	198	211	2.29	ng	1
66) 4-Bromophenyl-phenylether	10.41	248	7959	2.98	ng	1

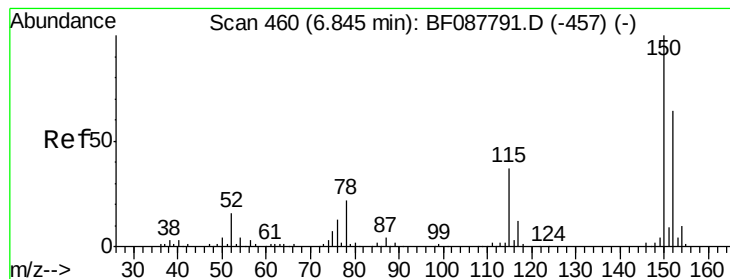
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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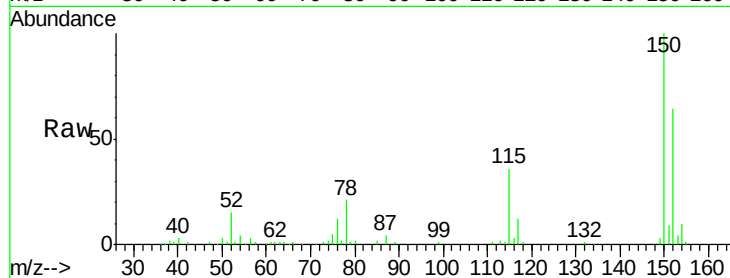


#1

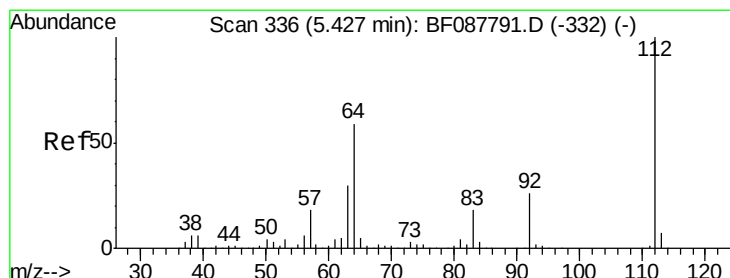
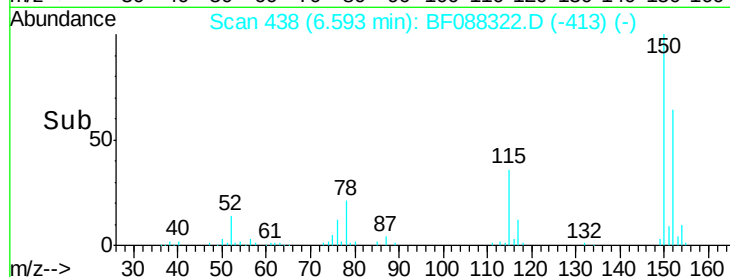
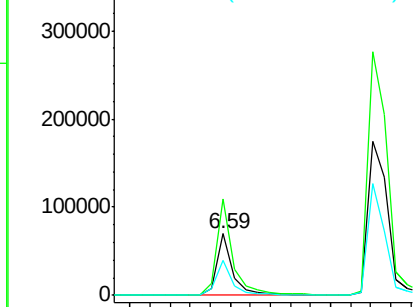
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 79227
Ion Ratio Lower Upper
152 100
150 156.6 123.8 185.6
115 56.0 39.6 59.4



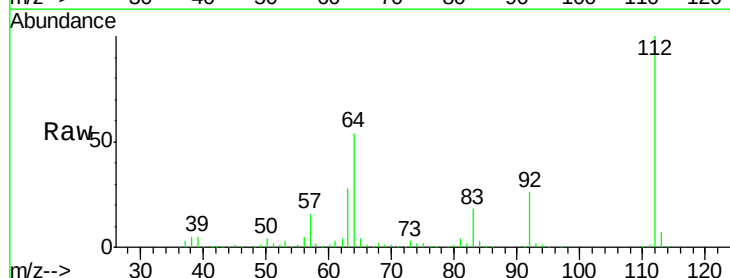
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



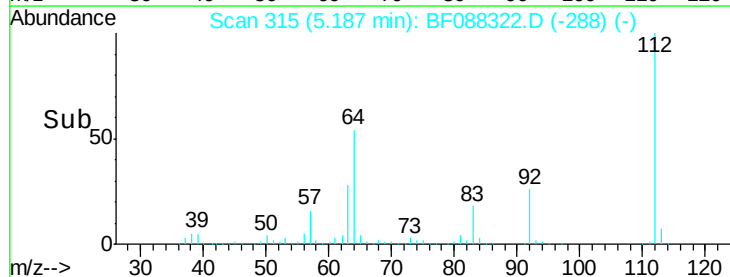
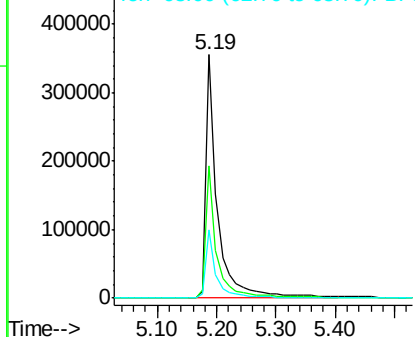
#5

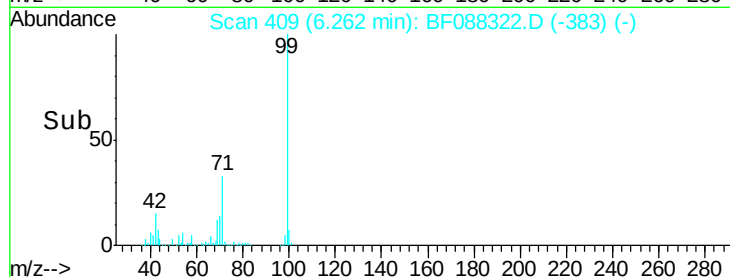
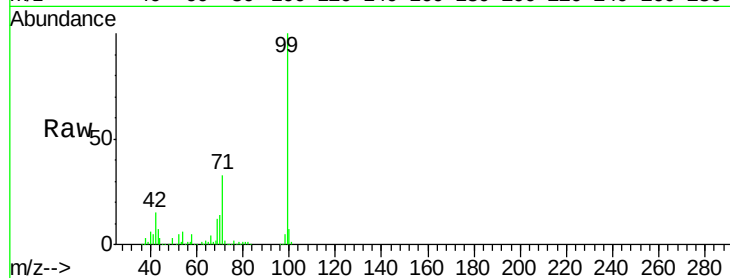
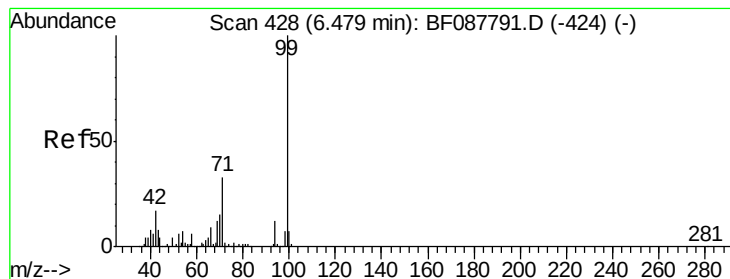
2-Fluorophenol
Concen: 106.96 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Tgt Ion:112 Resp: 495674
Ion Ratio Lower Upper
112 100
64 54.2 42.2 63.2
63 28.3 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: 112.42 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

Instrument :

BNA_F

ClientSampleId :

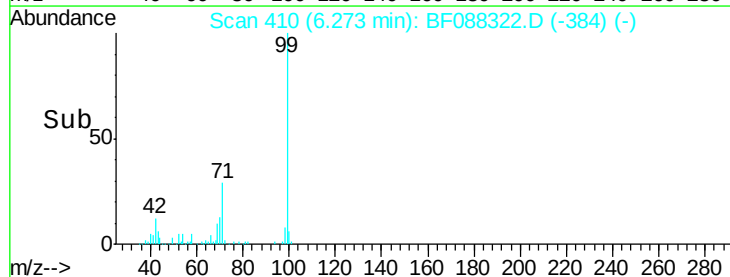
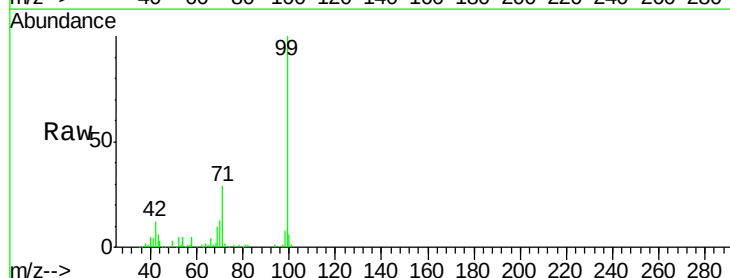
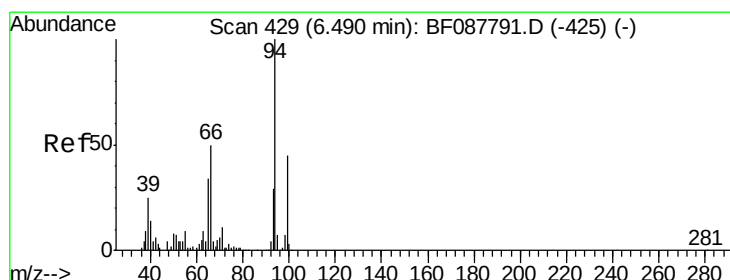
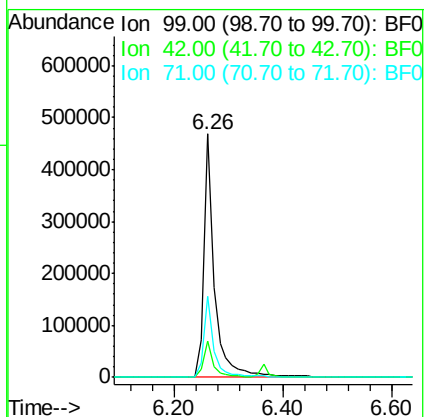
Tot Ion: 99 Resp: 631408

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

71 33.3 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

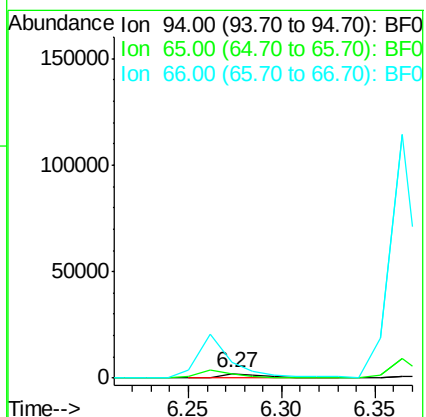
Tgt Ion: 94 Resp: 3255

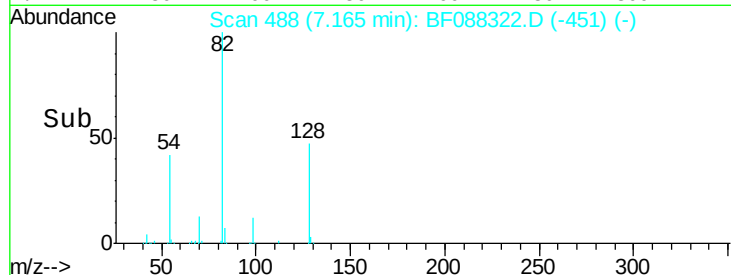
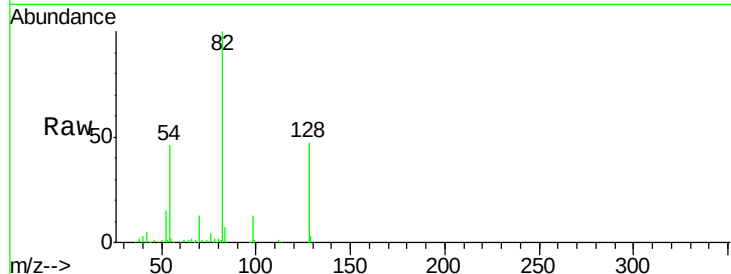
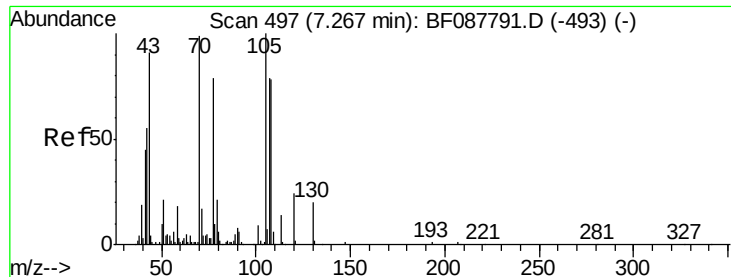
Ion Ratio Lower Upper

94 100

65 78.1 5.9 45.9#

66 337.6 14.0 54.0#

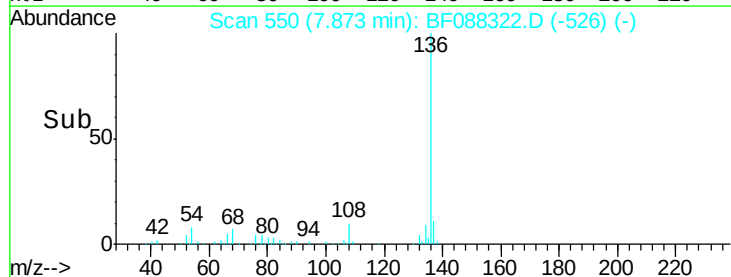
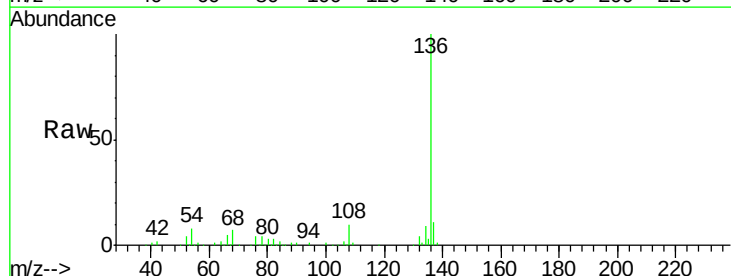
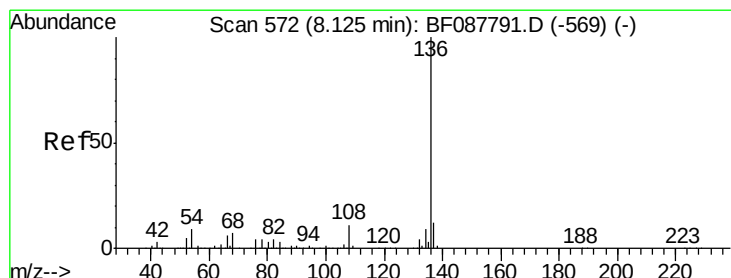
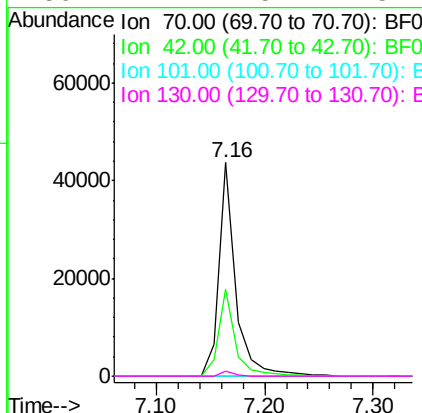




#19
n-Nitroso-di-n-propylamine
Concen: 13.23 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

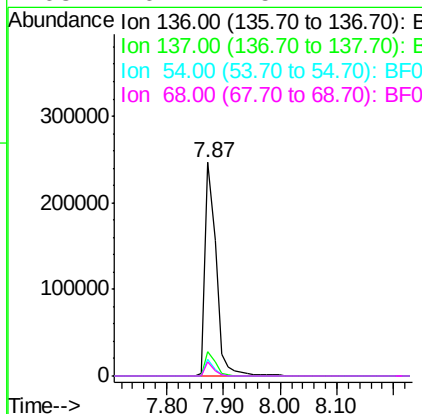
Instrument :
BNA_F
ClientSampleId :

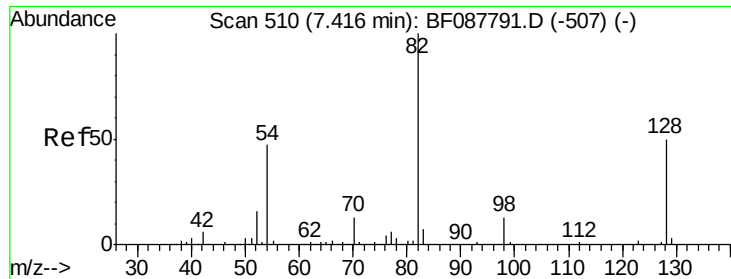
Tot Ion: 70 Resp: 47521
Ion Ratio Lower Upper
70 100
42 40.5 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. -0.02 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Tgt Ion: 136 Resp: 319056
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.9 6.6 10.0
68 6.7 5.1 7.7

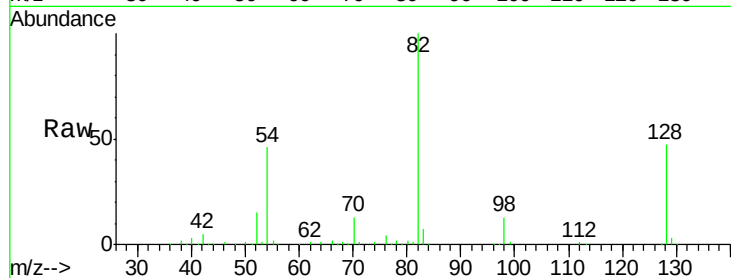




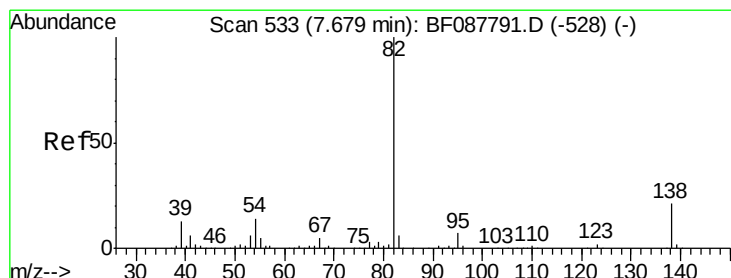
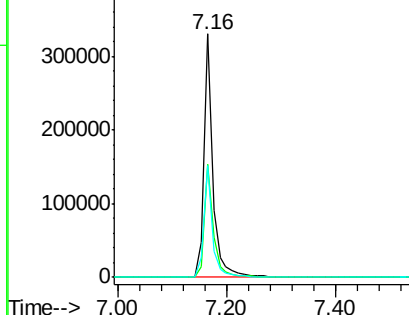
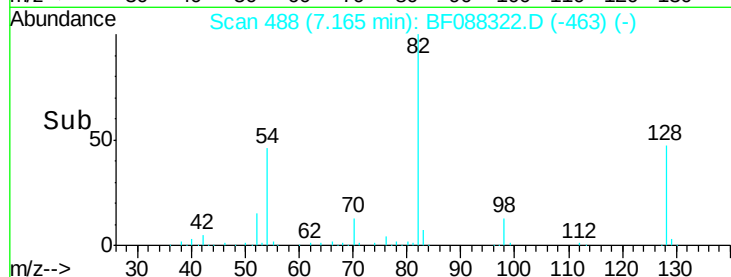
#23
Nitrobenzene-d5
Concen: 68.24 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	372855
Ion Ratio	100	Lower	Upper
128	46.6	35.9	53.9
54	45.8	40.9	61.3

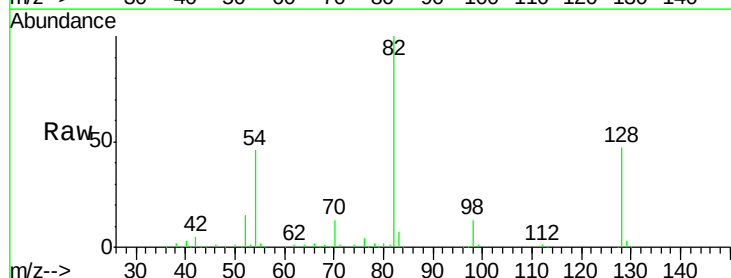


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

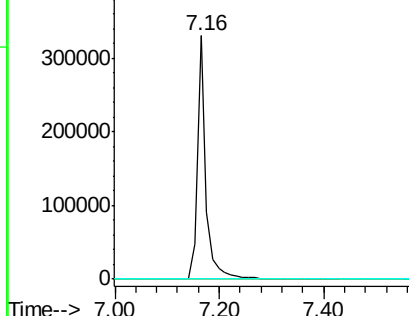
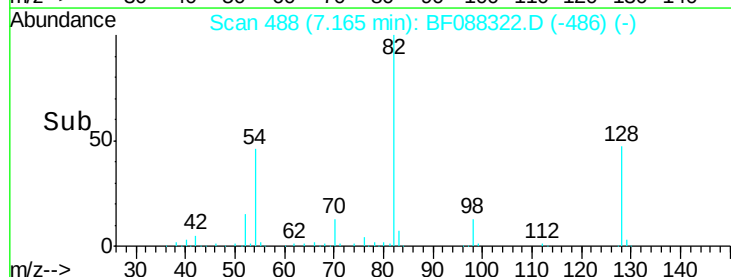


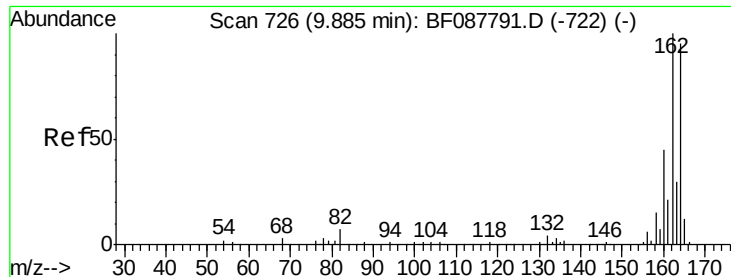
#25
Isophorone
Concen: 36.84 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.27 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Tgt Ion	82	Resp	372860
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



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

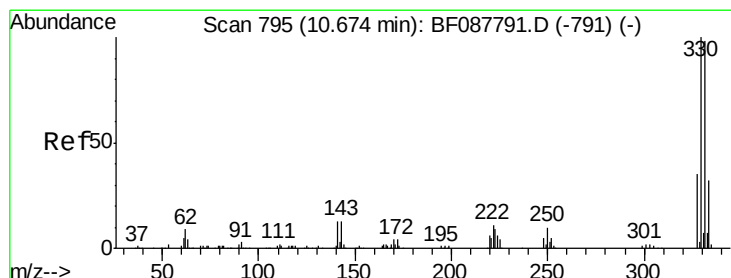
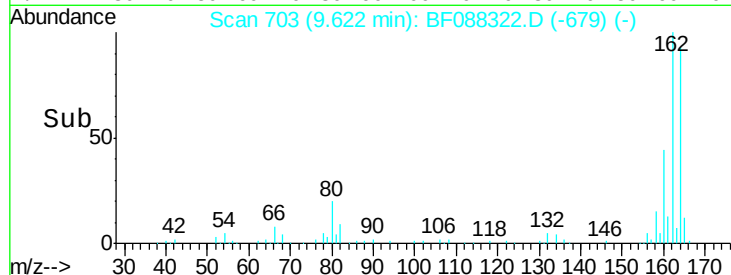
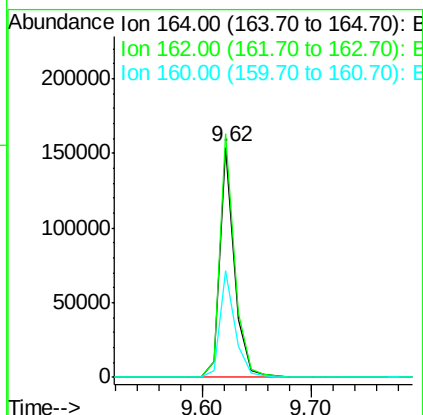
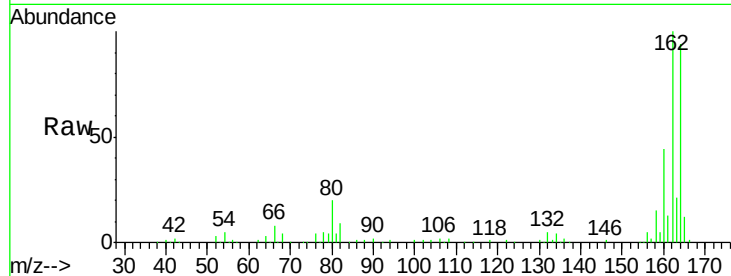




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 703
 Delta R.T. -0.02 min
 Lab File: BF088322.D
 Acq: 24 Jun 2016 8:32

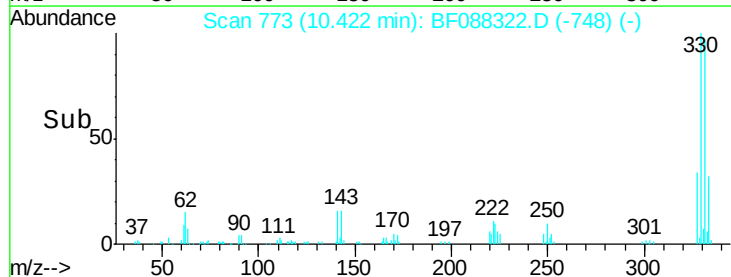
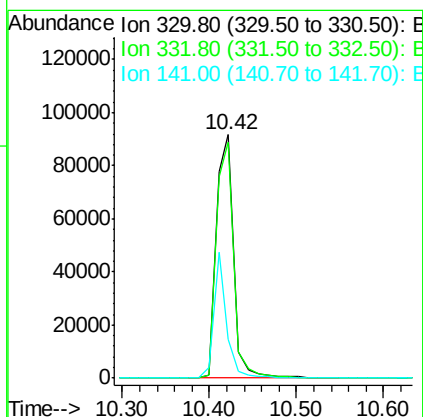
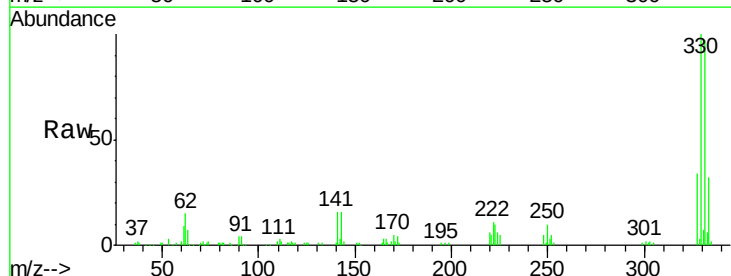
Instrument :
 BNA_F
 ClientSampleId :

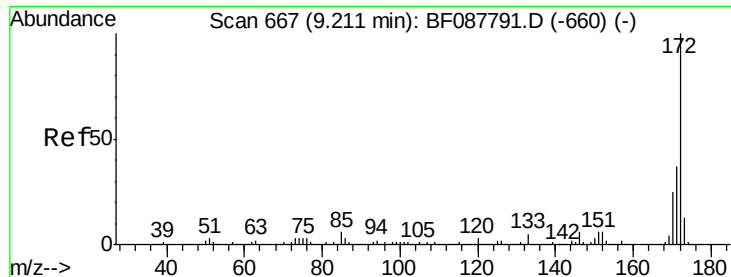
Tot Ion:164 Resp: 145371
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 46.5 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 84.57 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088322.D
 Acq: 24 Jun 2016 8:32

Tgt Ion:330 Resp: 129811
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 37.4 0.0 0.0#

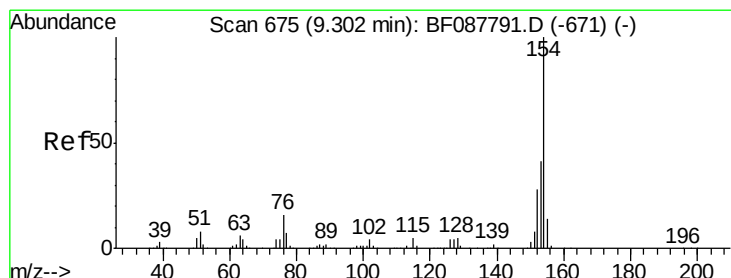
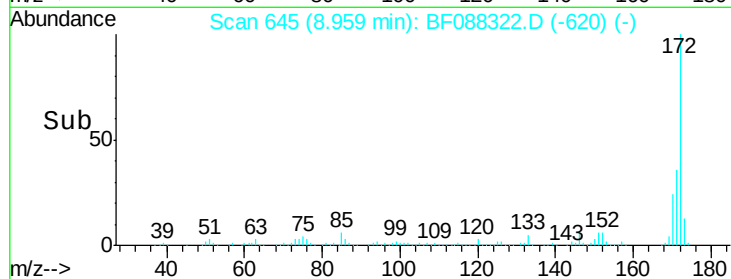
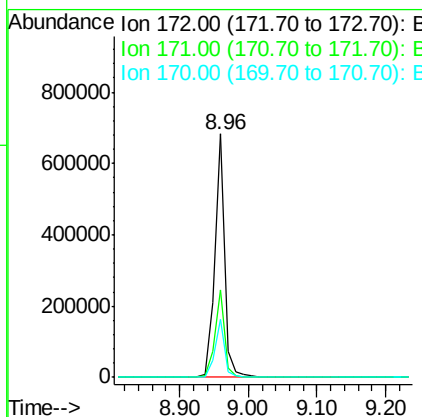
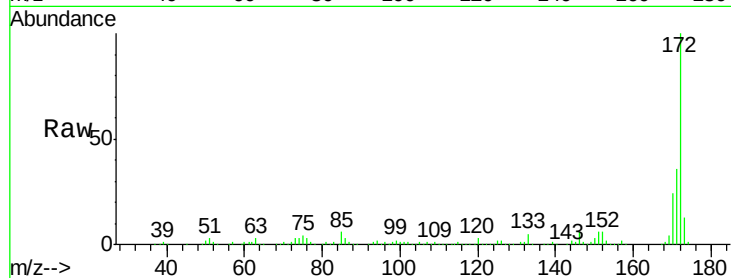




#44
 2-Fluorobiphenyl
 Concen: 74.34 na
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088322.D
 Acq: 24 Jun 2016 8:32

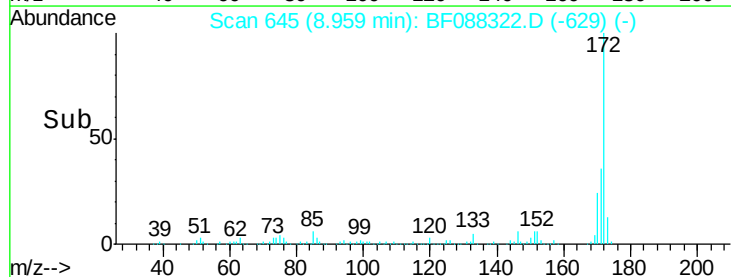
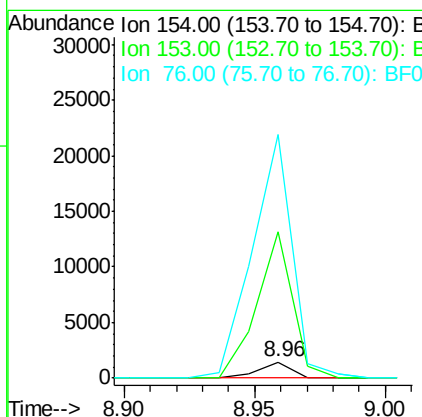
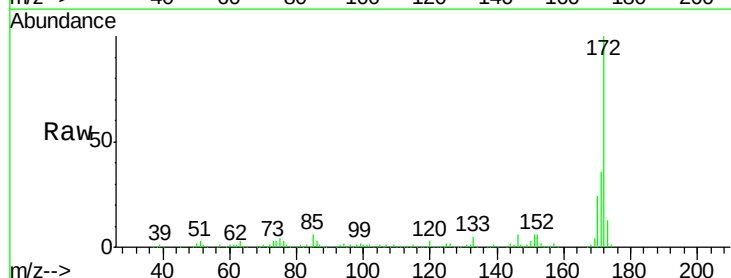
Instrument :
 BNA_F
 ClientSampleId :

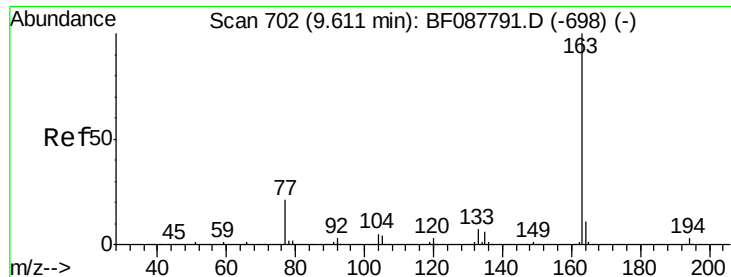
Tot Ion:172 Resp: 694395
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.8 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.96 min Scan# 645
 Delta R.T. -0.11 min
 Lab File: BF088322.D
 Acq: 24 Jun 2016 8:32

Tgt Ion:154 Resp: 1309
 Ion Ratio Lower Upper
 154 100
 153 893.9 20.6 60.6#
 76 1486.0 0.0 35.1#





#49

Dimethylphthalate

Concen: 13.36 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

Instrument :

BNA_F

ClientSampleId :

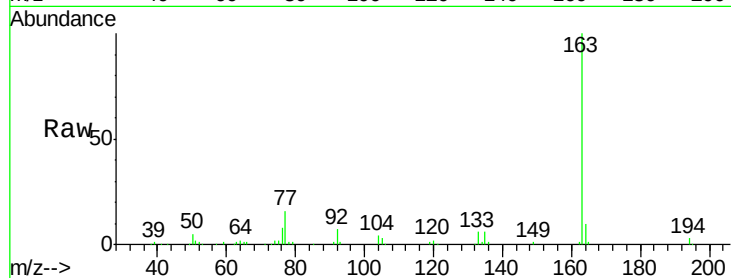
Tot Ion:163 Resp: 140653

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

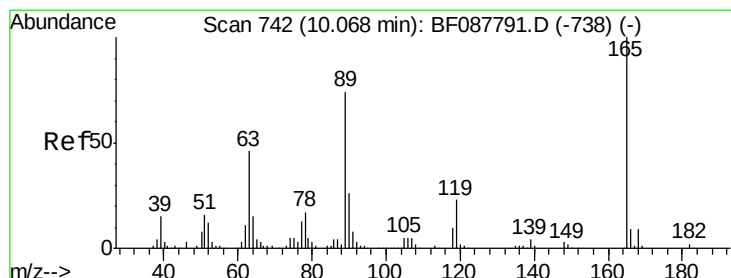
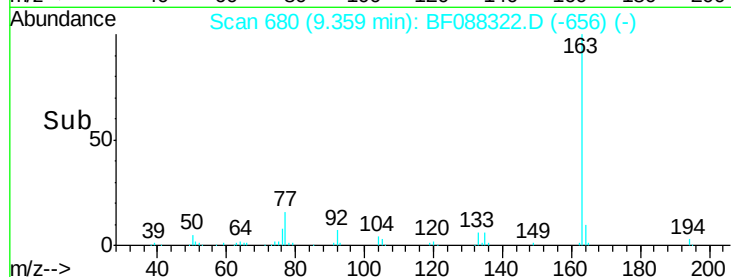
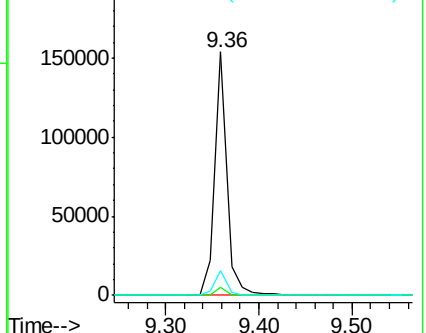
164 10.0 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.92 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.23 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

Tgt Ion:165 Resp: 18344

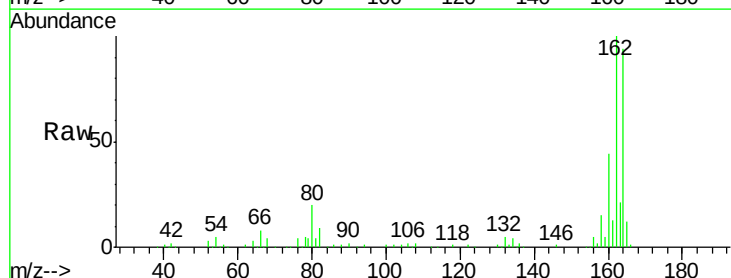
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

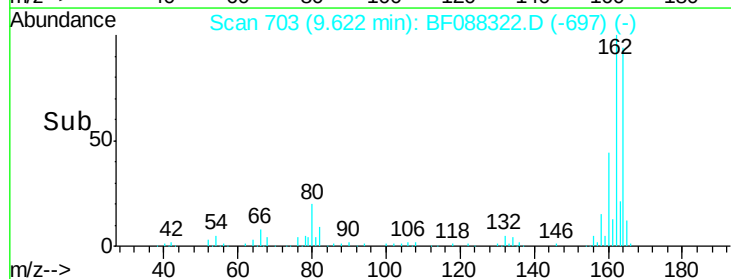
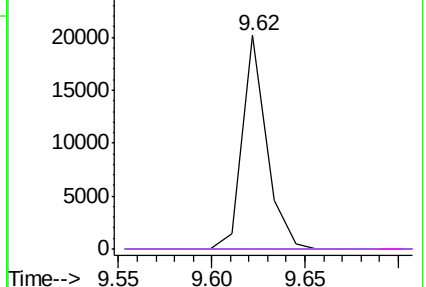


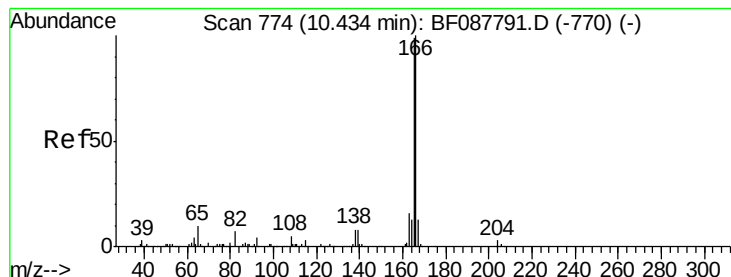
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.17 min Scan# 751

Delta R.T. -0.02 min

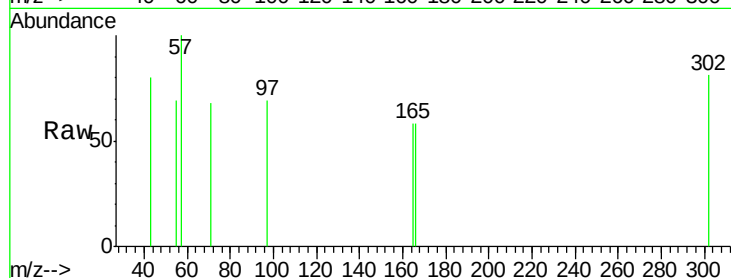
Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

Instrument :

BNA_F

ClientSampleId :



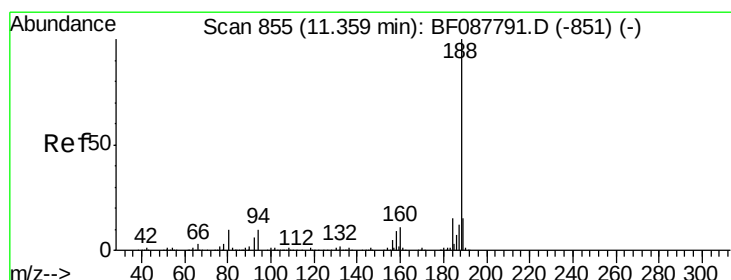
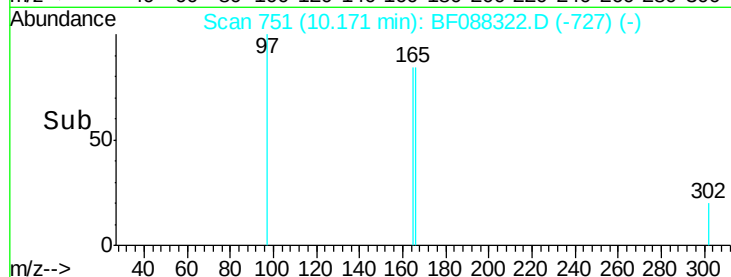
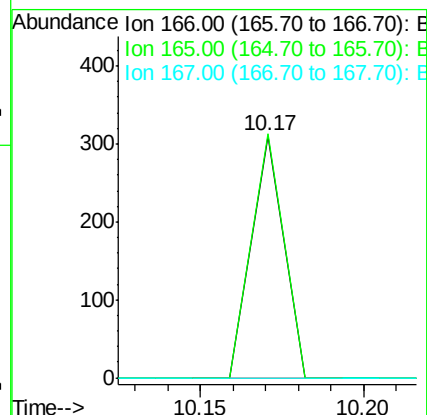
Tot Ion:166 Resp: 213

Ion Ratio Lower Upper

166 100

165 101.0 77.8 116.8

167 0.0 11.2 16.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.02 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

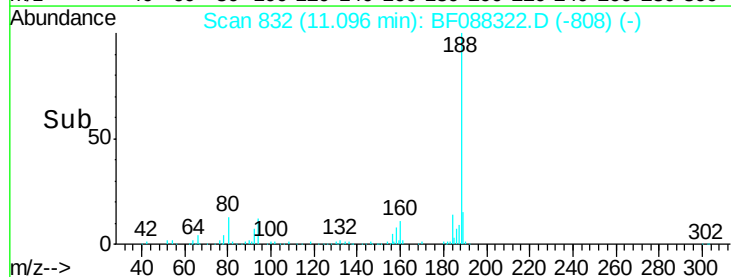
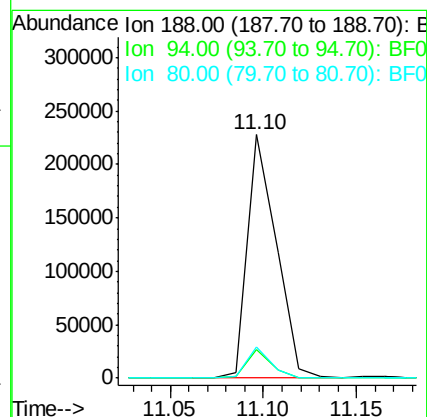
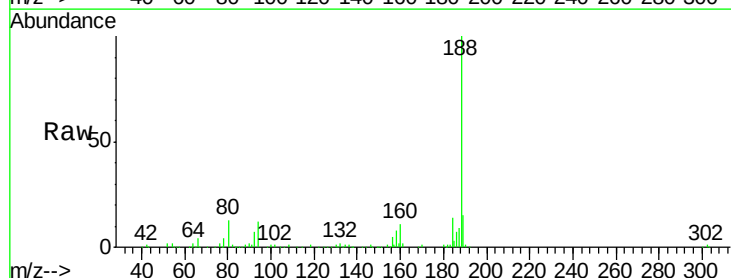
Tgt Ion:188 Resp: 248835

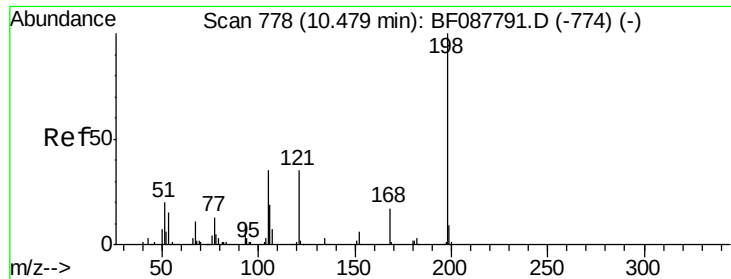
Ion Ratio Lower Upper

188 100

94 11.9 9.0 13.6

80 12.7 10.0 15.0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.29 ng

RT: 10.41 min Scan# 772

Delta R.T. 0.15 min

Lab File: BF088322.D

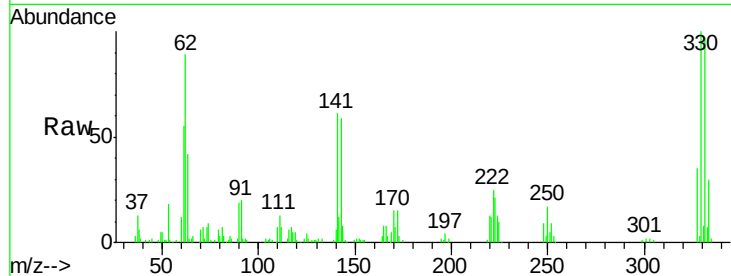
Acq: 24 Jun 2016 8:32

Instrument :

BNA_F

ClientSampled :

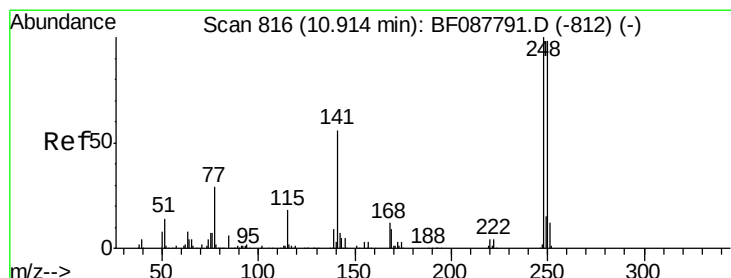
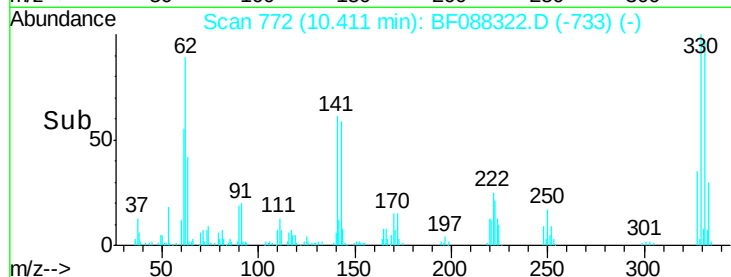
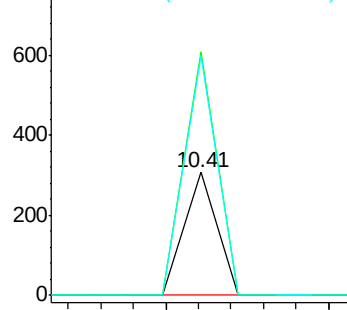
Tot Ion:	198	Resp:	211
Ion	Ratio	Lower	Upper
198	100		
51	198.0	39.6	79.6#
105	194.8	36.6	76.6#



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: 2.98 ng

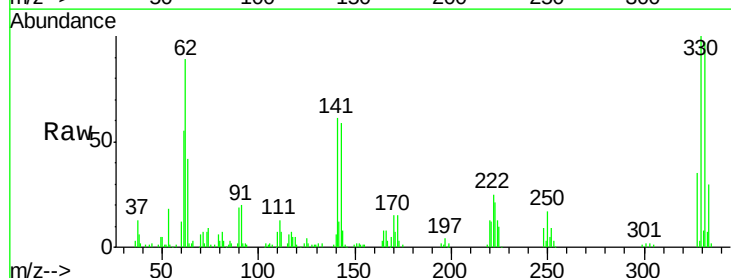
RT: 10.41 min Scan# 772

Delta R.T. -0.26 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

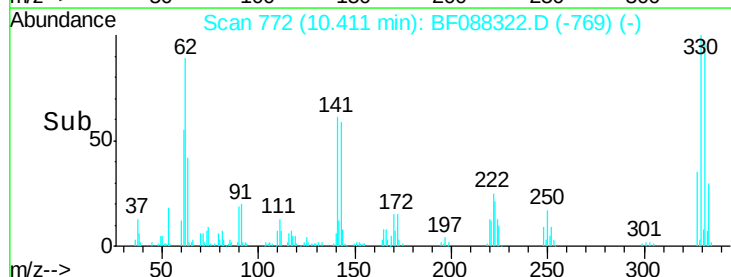
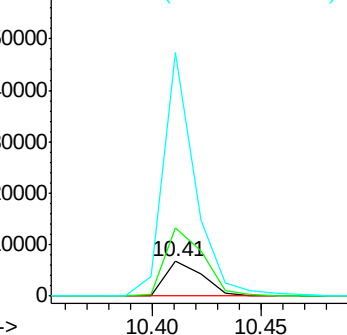
Tgt Ion:	248	Resp:	7959
Ion	Ratio	Lower	Upper
248	100		
250	196.9	77.1	115.7#
141	699.6	50.6	76.0#

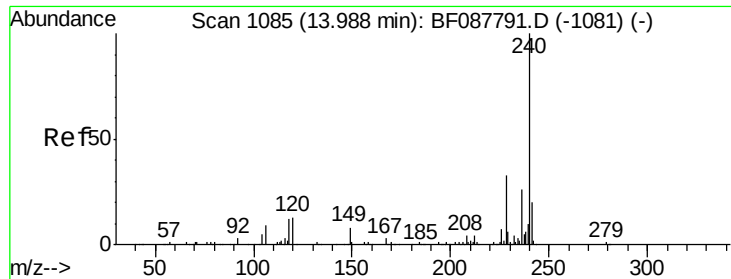


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.73 min Scan# 1062

Delta R.T. -0.02 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

Instrument :

BNA_F

ClientSampleId :

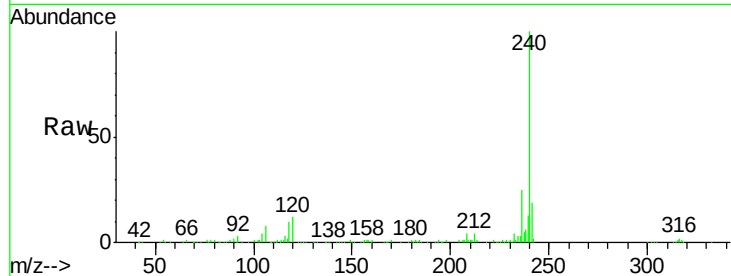
Tot Ion:240 Resp: 177373

Ion Ratio Lower Upper

240 100

120 12.1 6.8 10.2#

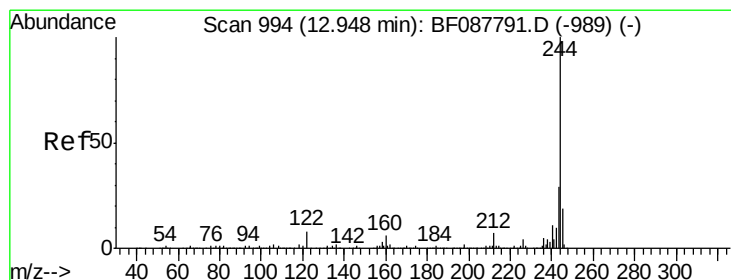
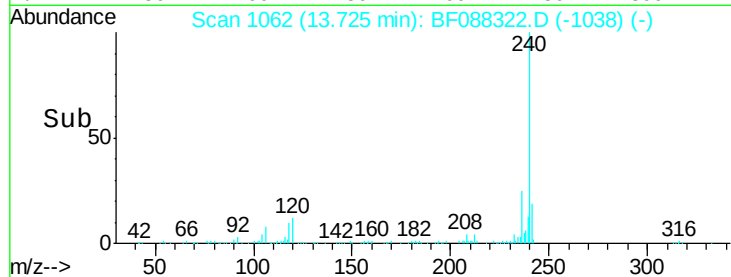
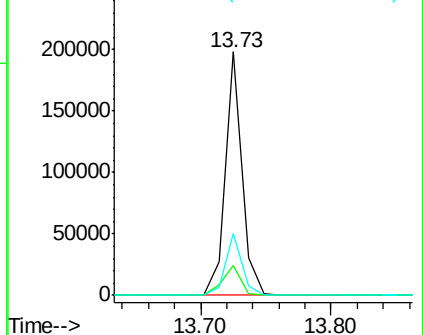
236 25.2 20.2 30.2



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: 67.33 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.01 min

Lab File: BF088322.D

Acq: 24 Jun 2016 8:32

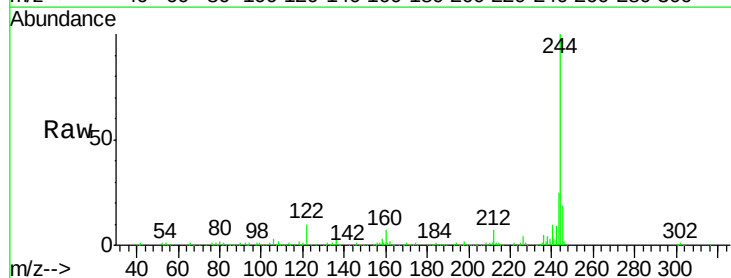
Tgt Ion:244 Resp: 524840

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

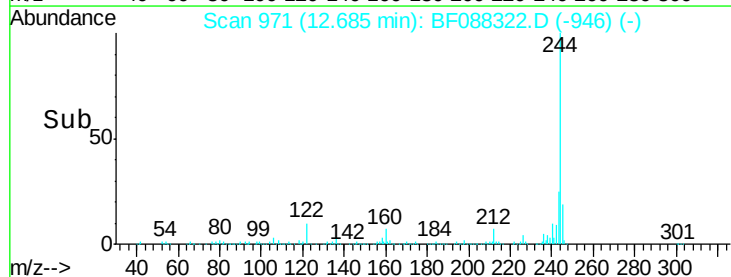
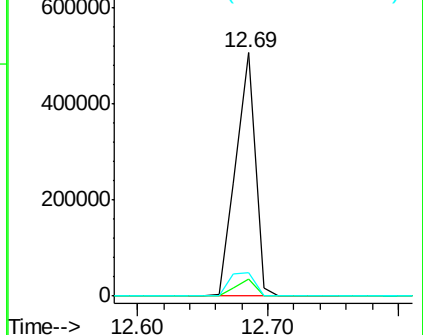
122 9.9 11.2 16.8#

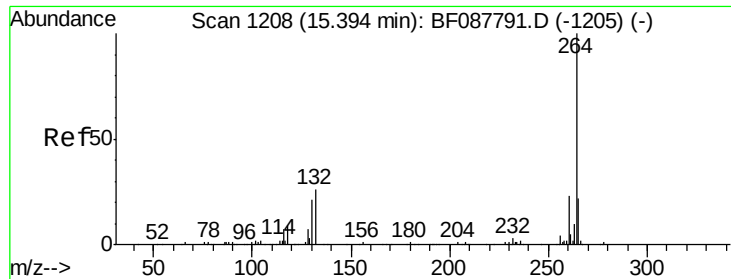


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

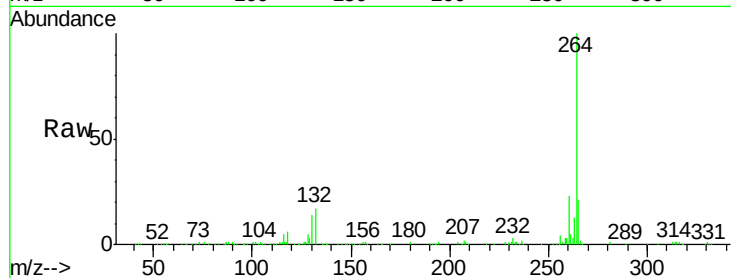




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BF088322.D
Acq: 24 Jun 2016 8:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.9	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

