

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088133.D
 Acq On : 18 Jun 2016 14:45
 Operator : UM/SJ
 Sample : H3501-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FIELD DUPLICATE

Quant Time: Jun 19 07:43:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

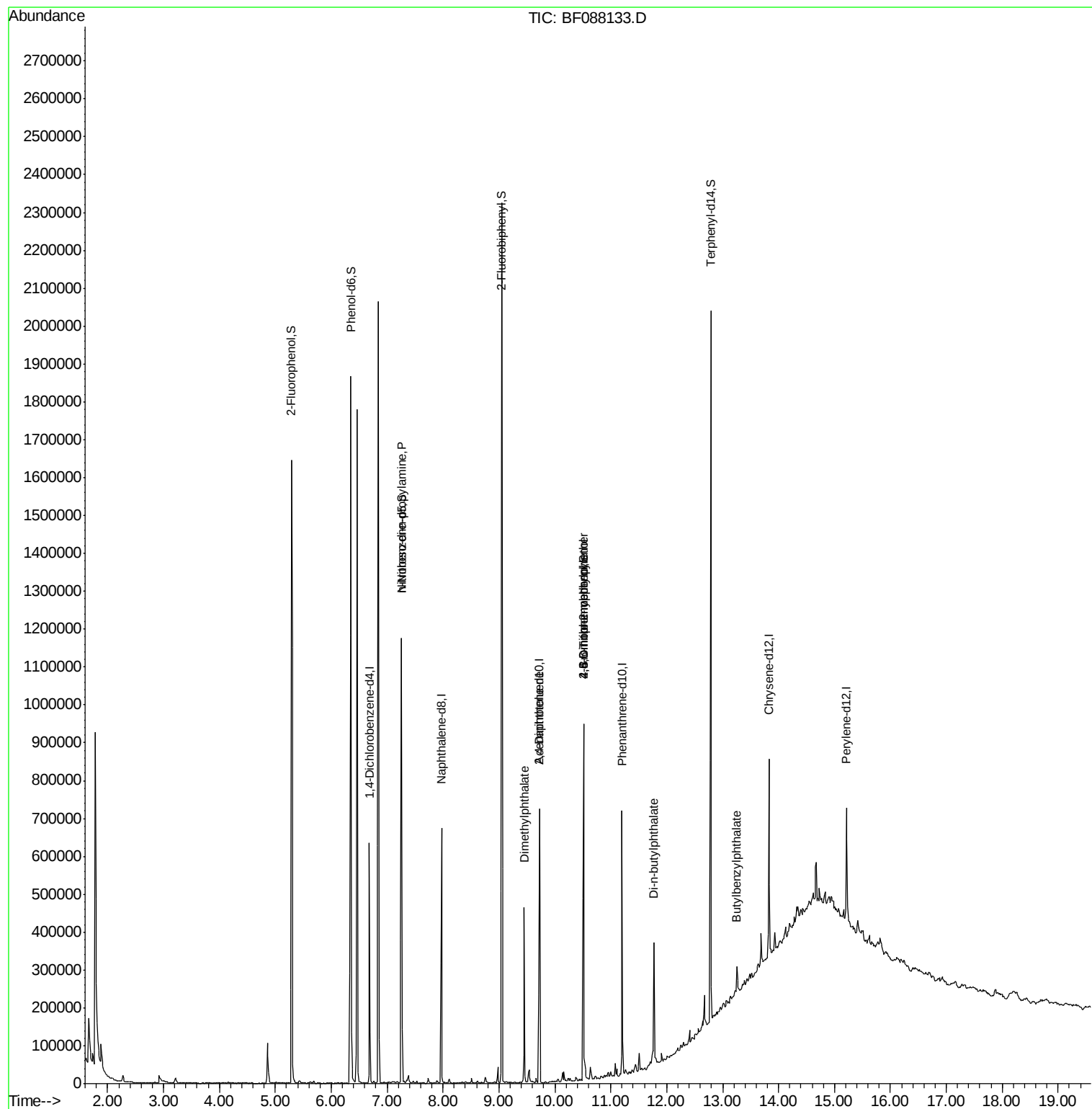
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	96072	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	363387	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	147728	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	230949	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	185144	20.00	ng	-0.02
86) Perylene-d12	15.21	264	146968	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	689002	122.60	ng	0.01
7) Phenol-d6	6.35	99	820194	120.43	ng	0.00
23) Nitrobenzene-d5	7.26	82	415070	66.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	127372	81.66	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	813179	86.58	ng	-0.02
78) Terphenyl-d14	12.79	244	606719	74.57	ng	-0.01
Target Compounds						
10) Phenol	6.36	94	6322	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.26	70	54420	12.49 ng	#	71
45) 1,1'-Biphenyl	9.05	154	1737	Below Cal	#	1
49) Dimethylphthalate	9.45	163	185296	17.32 ng	#	99
56) 2,4-Dinitrotoluene	9.72	165	18759	5.96 ng	#	37
57) Fluorene	10.51	166	6746	Below Cal	#	87
64) 4,6-Dinitro-2-methylphenol	10.51	198	220	2.31 ng	#	1
66) 4-Bromophenyl-phenylether	10.51	248	8784	3.55 ng	#	1
73) Di-n-butylphthalate	11.77	149	155675	10.75 ng	#	98
79) Butylbenzylphthalate	13.26	149	18968	3.12 ng	#	77

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088133.D

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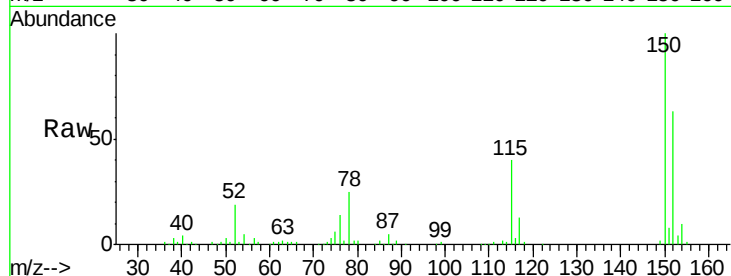
Tgt Ion:152 Resp: 96072

Ion Ratio Lower Upper

152 100

150 157.7 123.8 185.6

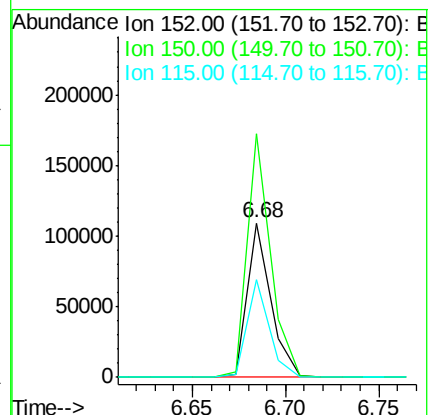
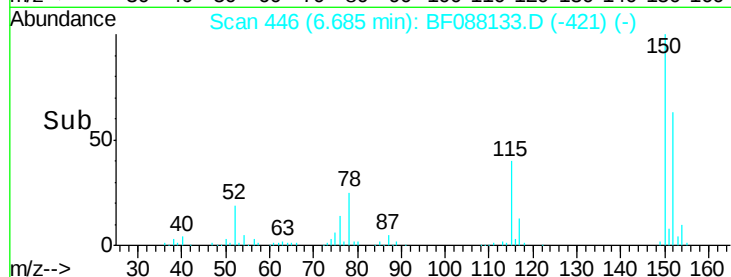
115 63.5 39.6 59.4#



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: 122.60 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

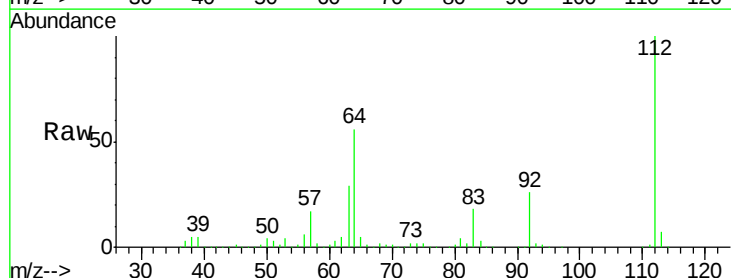
Tgt Ion:112 Resp: 689002

Ion Ratio Lower Upper

112 100

64 56.3 42.2 63.2

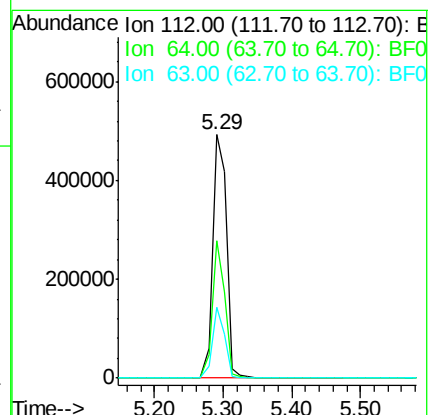
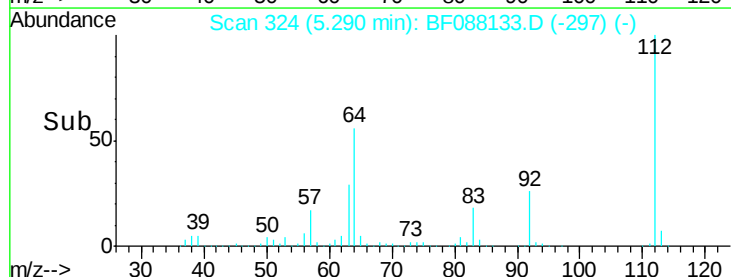
63 29.0 21.8 32.8



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: 120.43 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

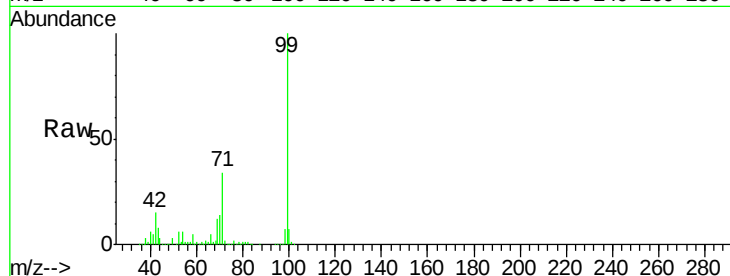
Tgt Ion: 99 Resp: 820194

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

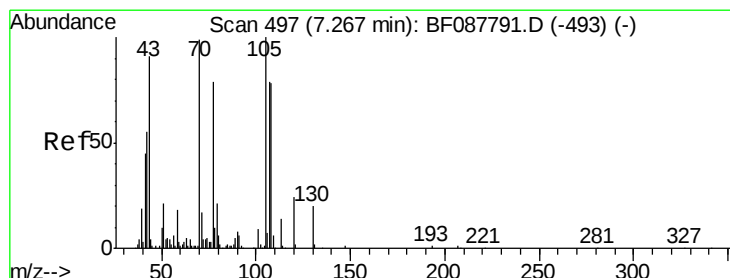
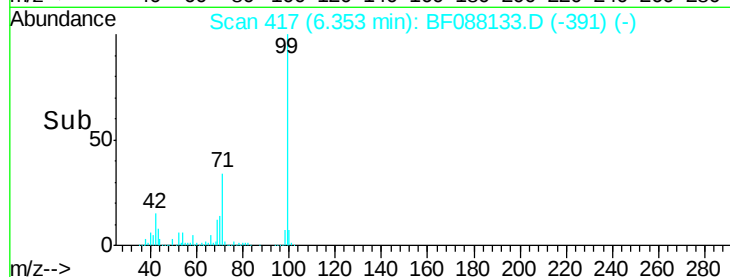
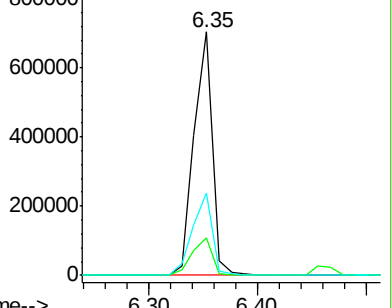
71 34.0 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.49 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.13 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Tgt Ion: 70 Resp: 54420

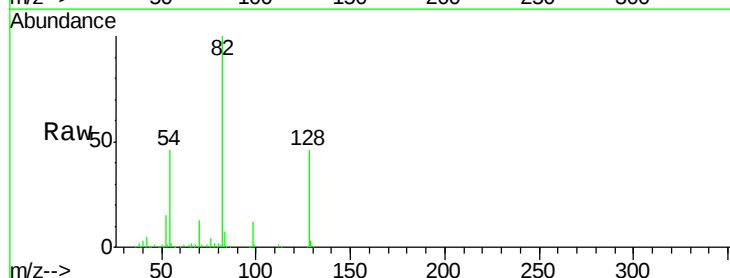
Ion Ratio Lower Upper

70 100

42 41.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.7 15.4 23.2#

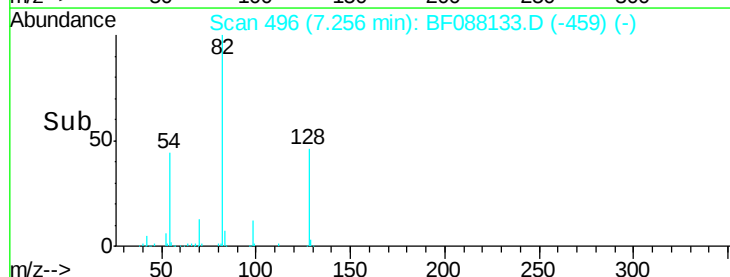
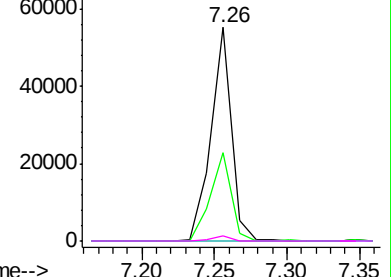


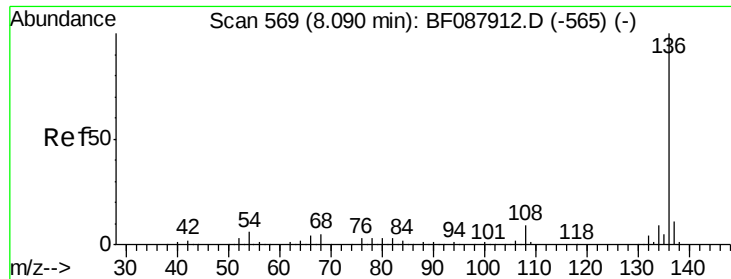
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

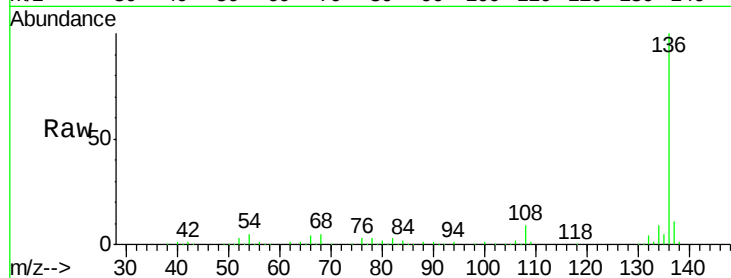




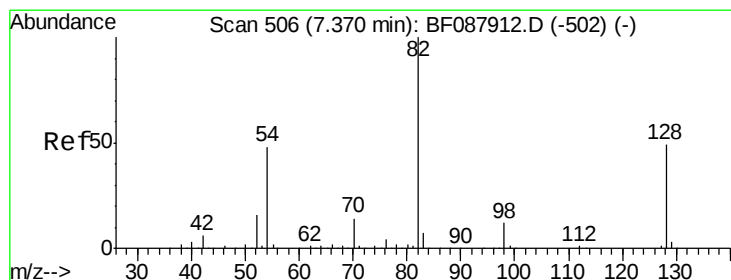
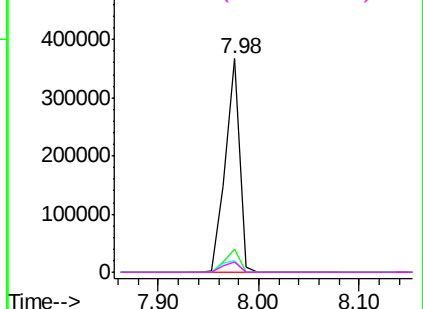
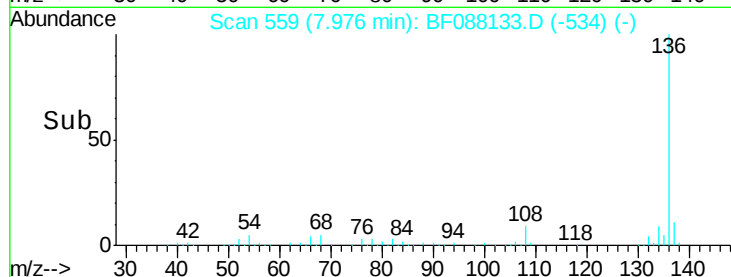
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF088133.D
Acq: 18 Jun 2016 14:45

Instrument :
BNA_F
ClientSampleId :
FIELD DUPLICATE

Tgt Ion: 136 Resp: 363387
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 5.3 6.6 10.0#
68 4.6 5.1 7.7#

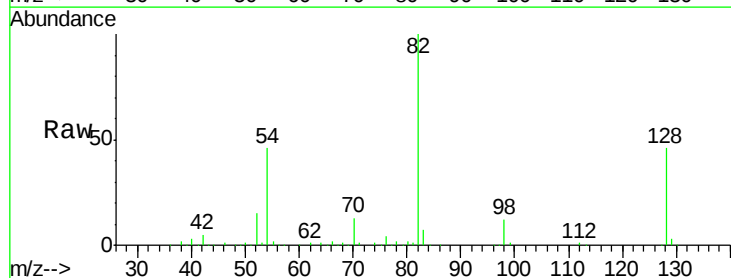


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

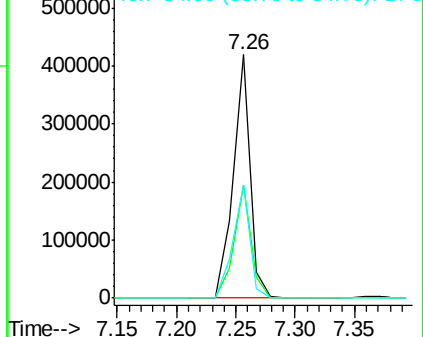
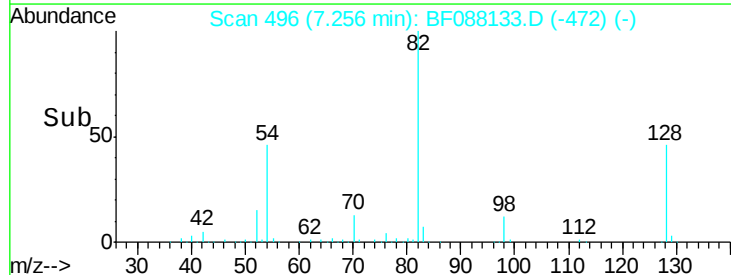


#23
Nitrobenzene-d5
Concen: 66.70 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088133.D
Acq: 18 Jun 2016 14:45

Tgt Ion: 82 Resp: 415070
Ion Ratio Lower Upper
82 100
128 46.2 35.9 53.9
54 46.3 40.9 61.3



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

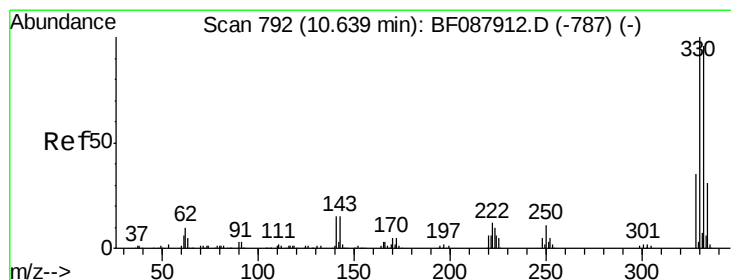
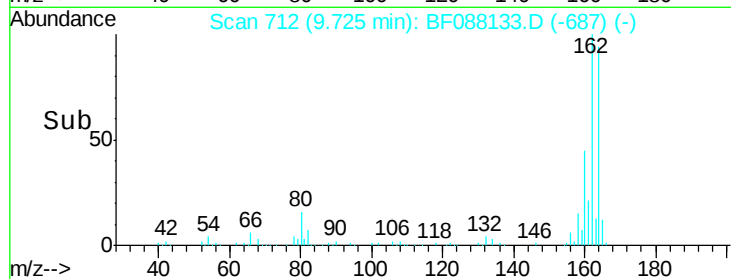
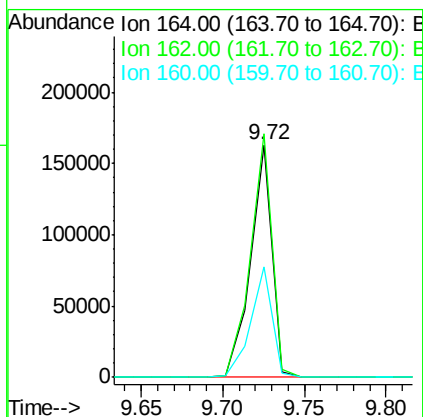
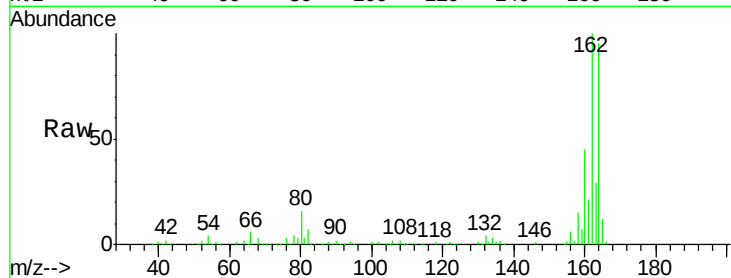




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

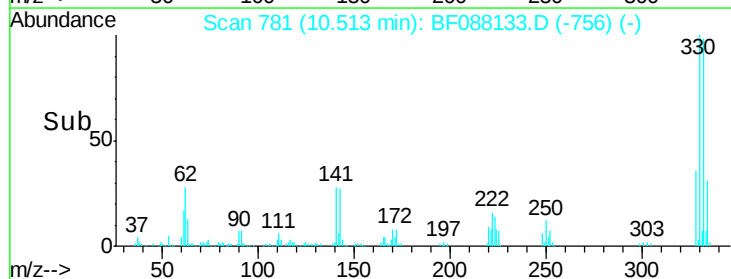
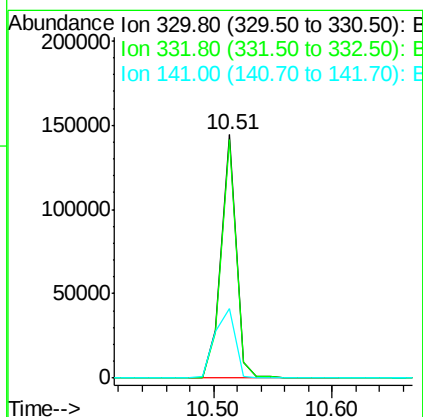
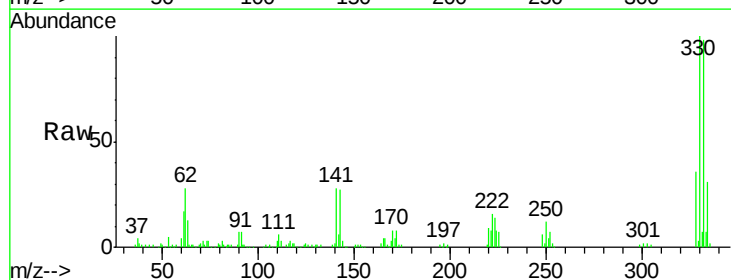
Instrument :
 BNA_F
 ClientSampleId :
 FIELD DUPLICATE

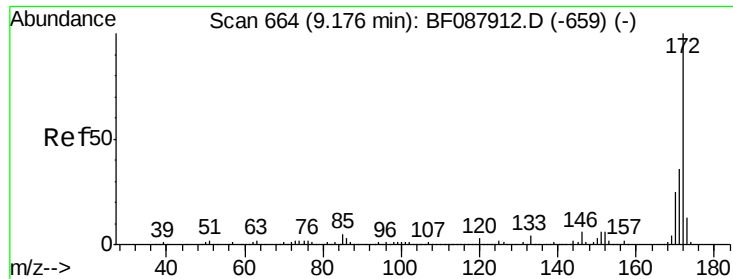
Tgt Ion: 164 Resp: 147728
 Ion Ratio Lower Upper
 164 100
 162 104.9 85.4 128.2
 160 47.7 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 81.66 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

Tgt Ion: 330 Resp: 127372
 Ion Ratio Lower Upper
 330 100
 332 97.8 0.0 0.0#
 141 38.5 0.0 0.0#

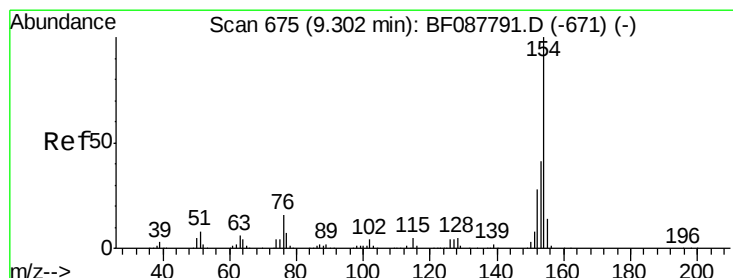
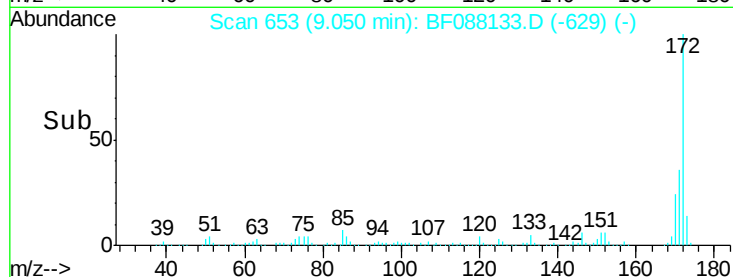
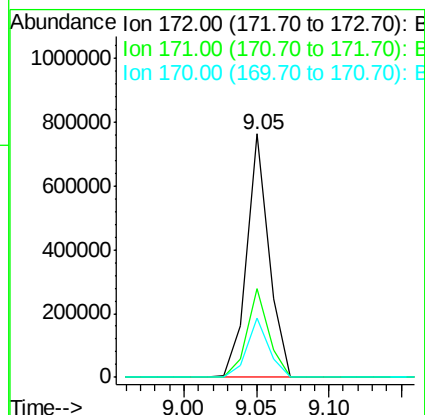
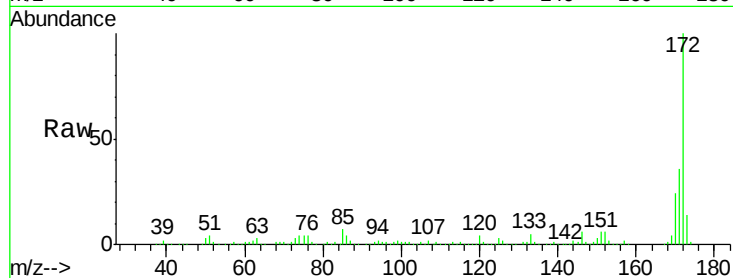




#44
 2-Fluorobiphenyl
 Concen: 86.58 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

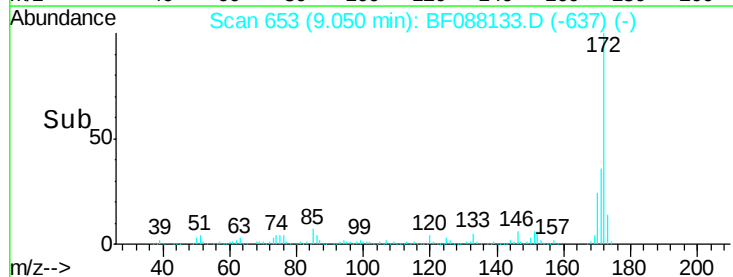
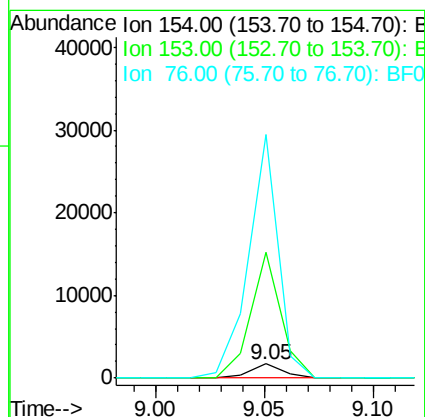
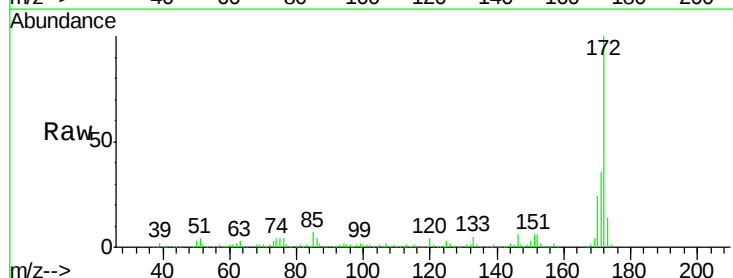
Instrument :
 BNA_F
 ClientSampleId :
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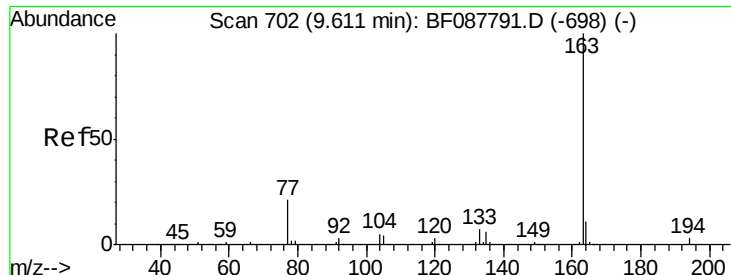
Tgt Ion: 172 Resp: 813179
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.2 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.05 min Scan# 653
 Delta R.T. -0.11 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

Tgt Ion: 154 Resp: 1737
 Ion Ratio Lower Upper
 154 100
 153 911.8 20.6 60.6#
 76 1754.9 0.0 35.1#





#49

Dimethylphthalate

Concen: 17.32 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

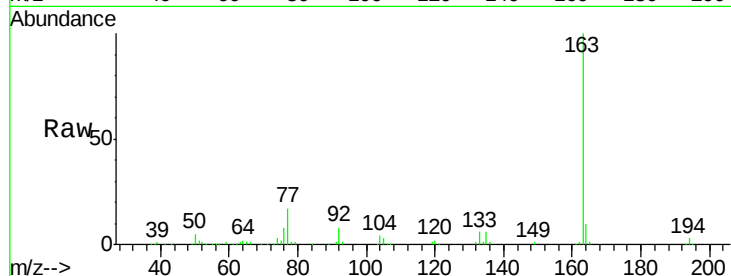
Tgt Ion:163 Resp: 185296

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

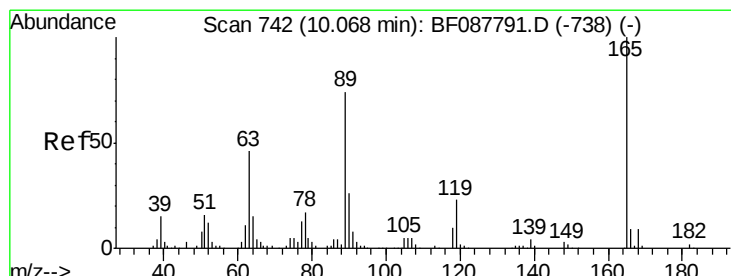
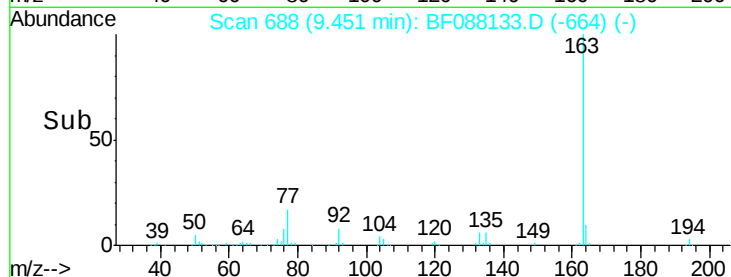
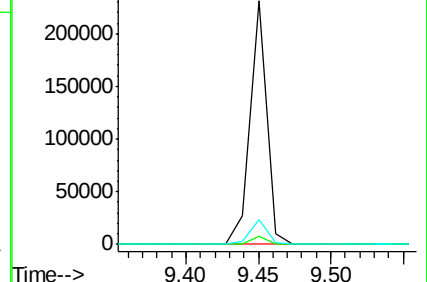
164 9.9 8.3 12.5



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: 5.96 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Tgt Ion:165 Resp: 18759

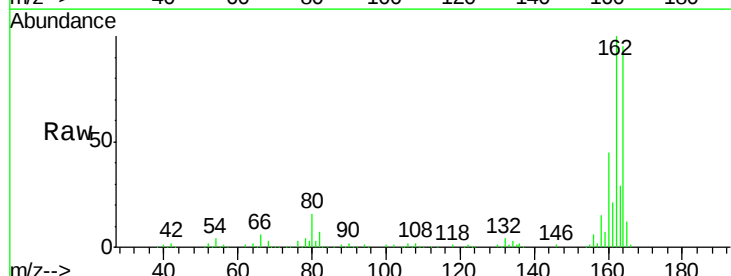
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 1.5 41.1 61.7#

182 0.0 2.0 3.0#

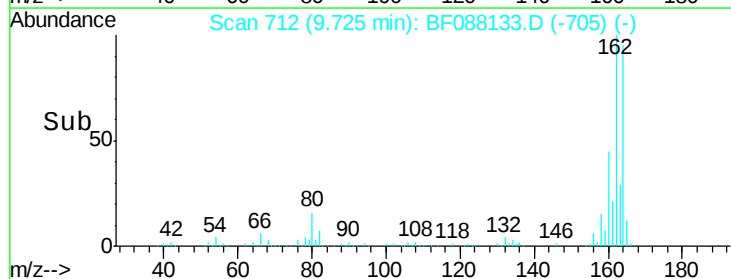
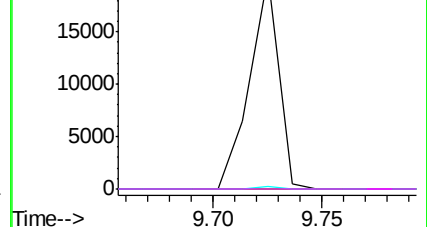


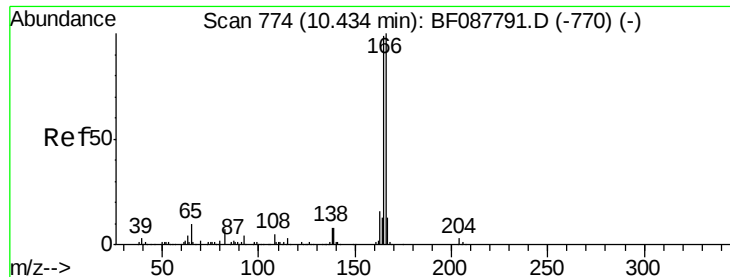
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.51 min Scan# 781

Delta R.T. 0.23 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

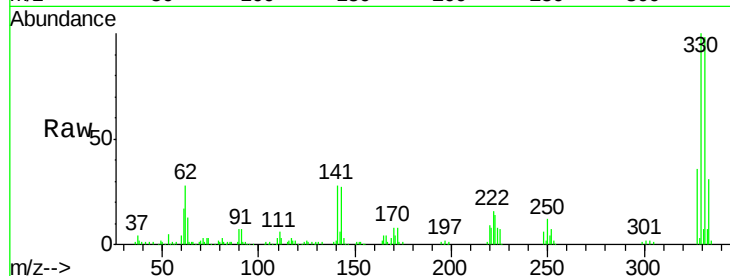
Tgt Ion:166 Resp: 6746

Ion Ratio Lower Upper

166 100

165 105.1 77.8 116.8

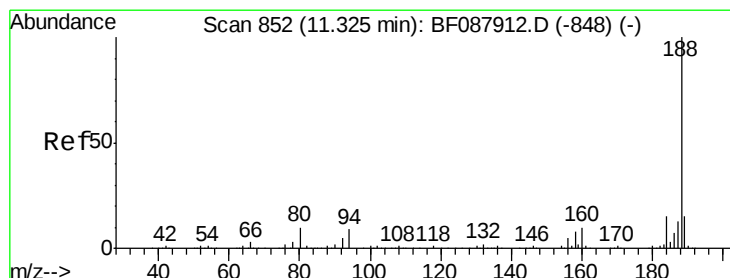
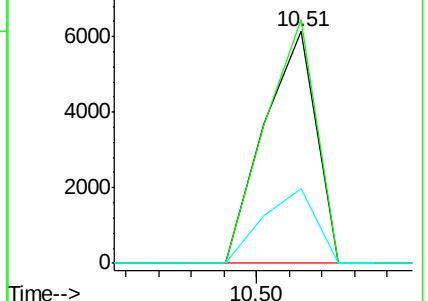
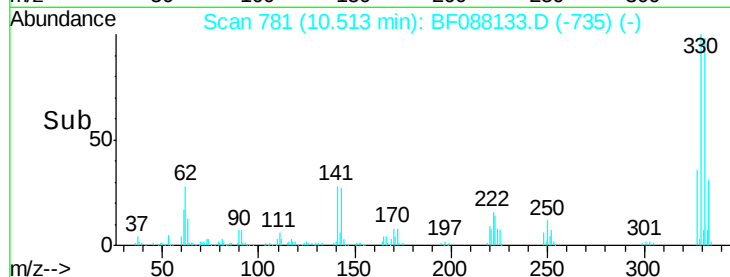
167 32.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

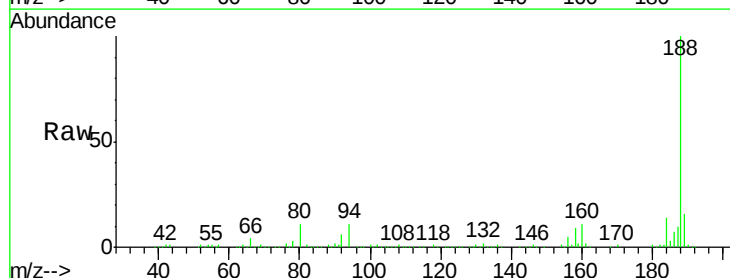
Tgt Ion:188 Resp: 230949

Ion Ratio Lower Upper

188 100

94 10.6 9.0 13.6

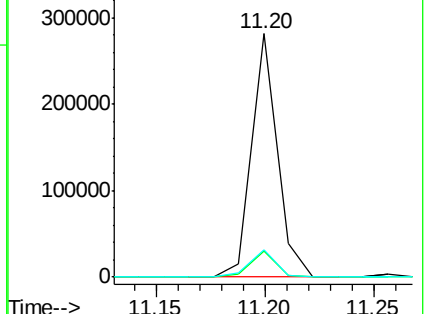
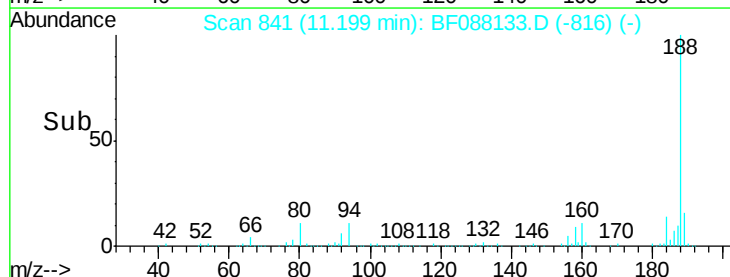
80 11.1 10.0 15.0

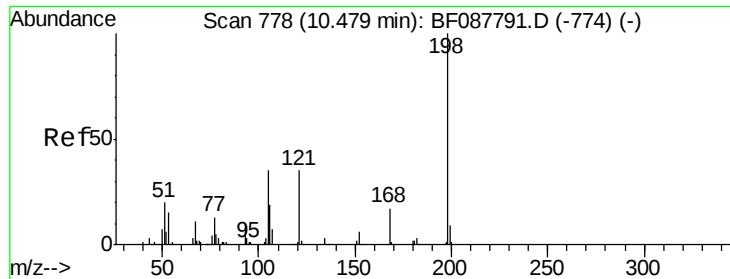


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.31 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.16 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

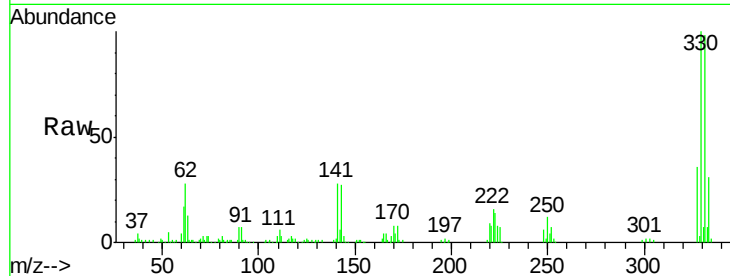
Tgt Ion:198 Resp: 220

Ion Ratio Lower Upper

198 100

51 110.6 39.6 79.6#

105 188.8 36.6 76.6#

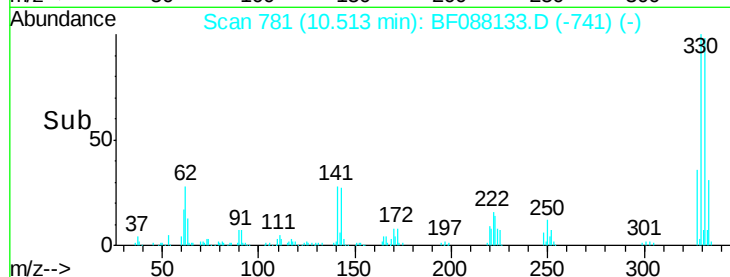


Abundance Ion 198.00 (197.70 to 198.70): E

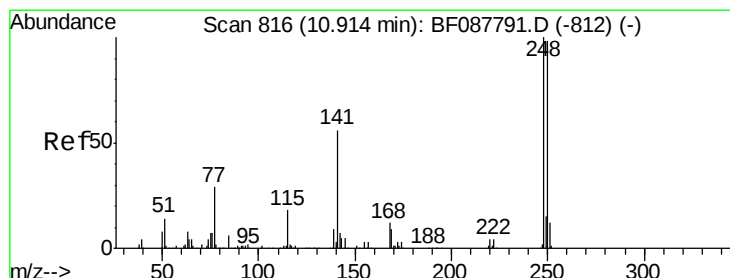
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.55 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.25 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

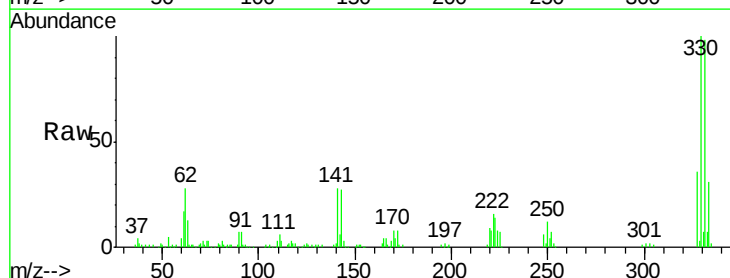
Tgt Ion:248 Resp: 8784

Ion Ratio Lower Upper

248 100

250 193.5 77.1 115.7#

141 439.6 50.6 76.0#

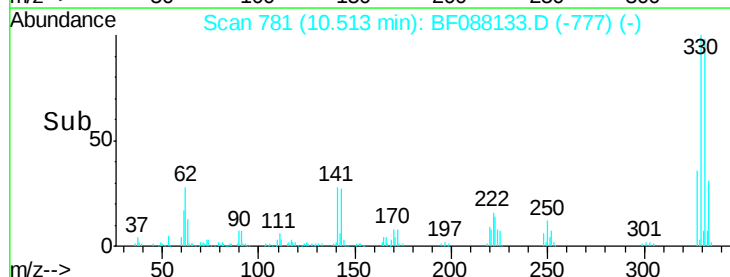


Abundance Ion 248.00 (247.70 to 248.70): E

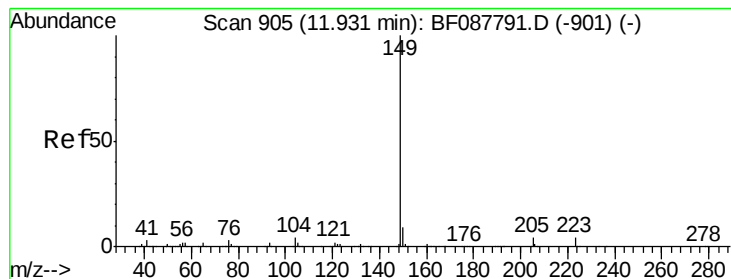
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#73

Di-n-butylphthalate

Concen: 10.75 ng

RT: 11.77 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

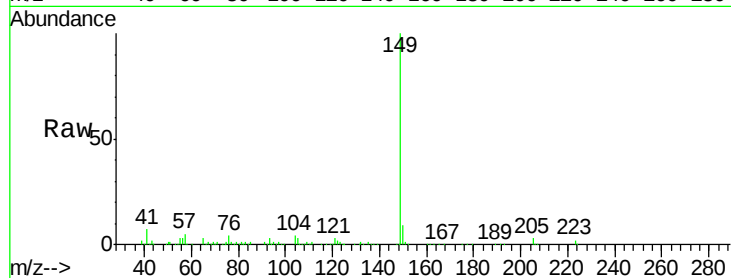
Tgt Ion:149 Resp: 155675

Ion Ratio Lower Upper

149 100

150 9.0 7.8 11.6

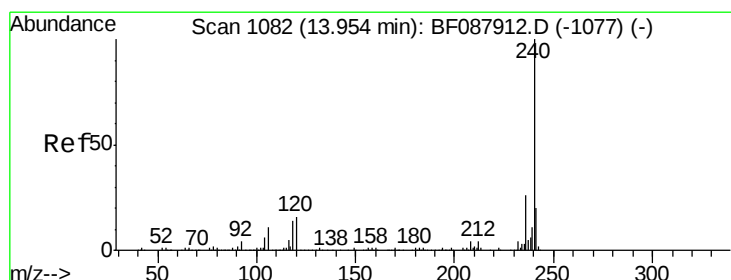
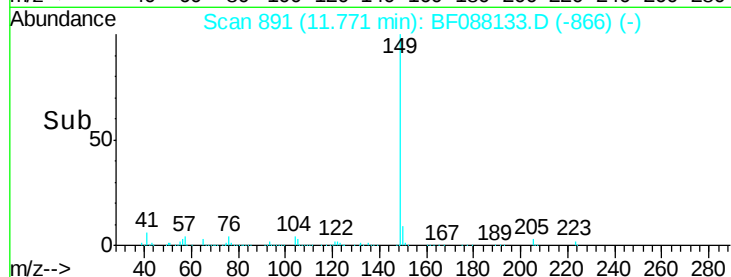
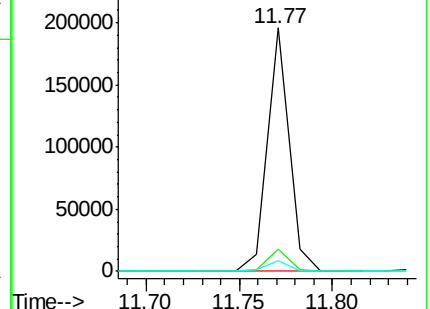
104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

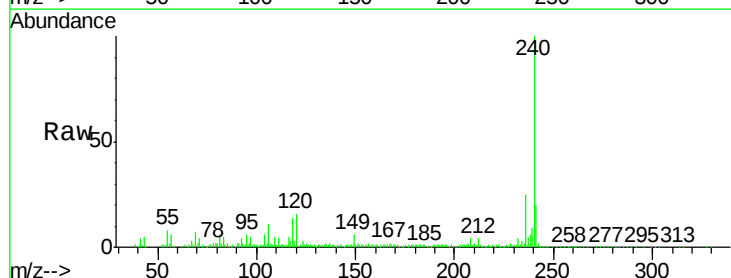
Tgt Ion:240 Resp: 185144

Ion Ratio Lower Upper

240 100

120 16.4 6.8 10.2#

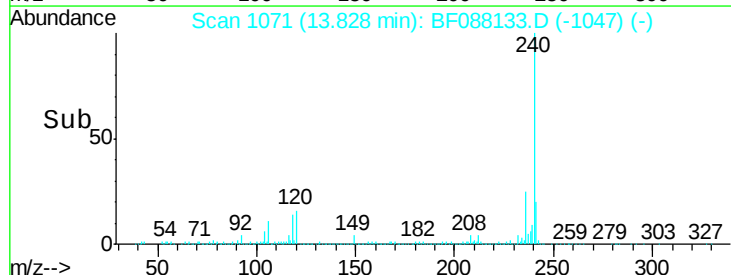
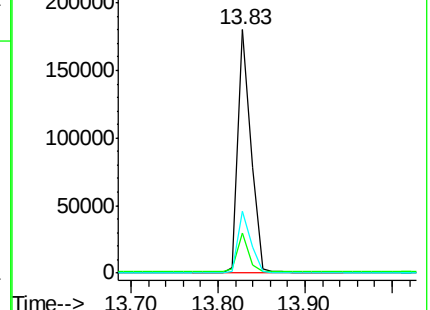
236 25.2 20.2 30.2

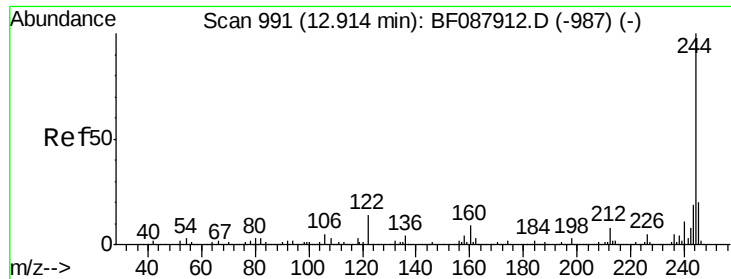


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

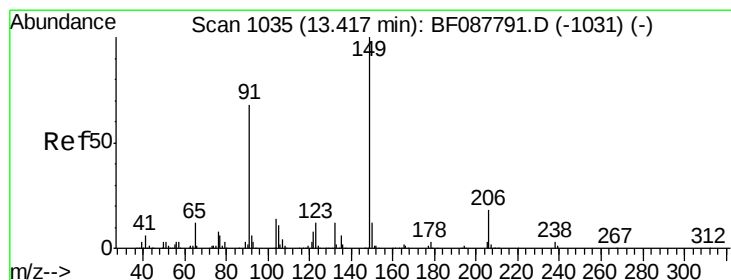
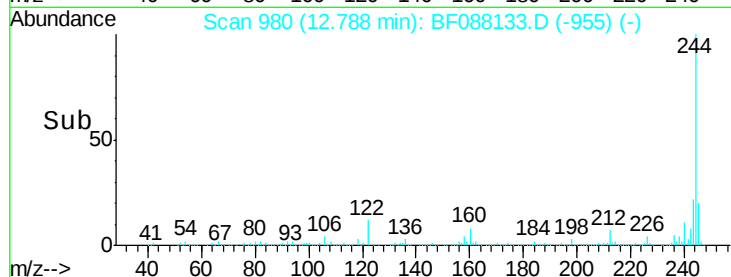
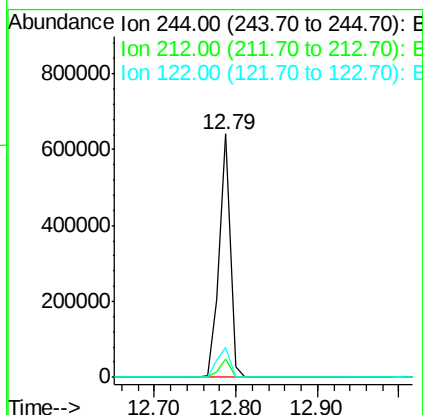
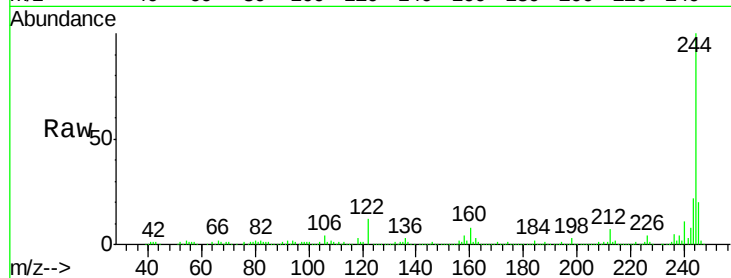




#78
 Terphenyl-d14
 Concen: 74.57 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

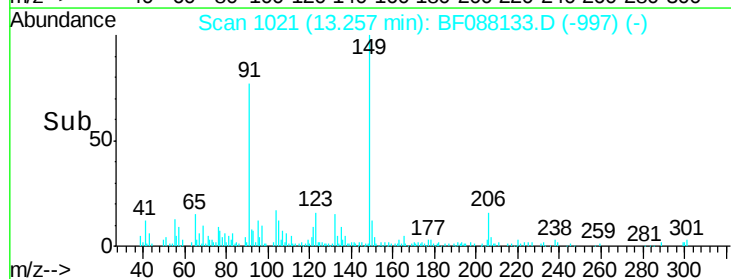
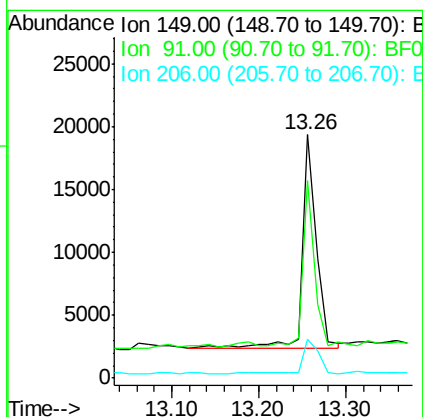
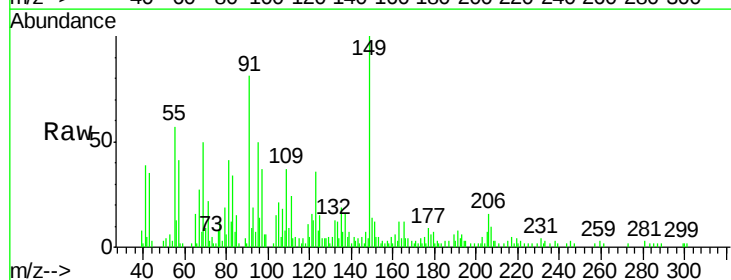
Instrument :
 BNA_F
 ClientSampleId :
 FIELD DUPLICATE

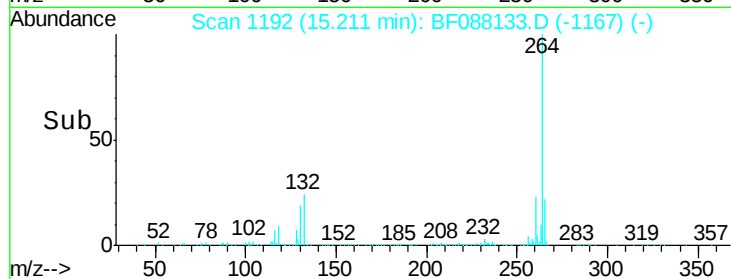
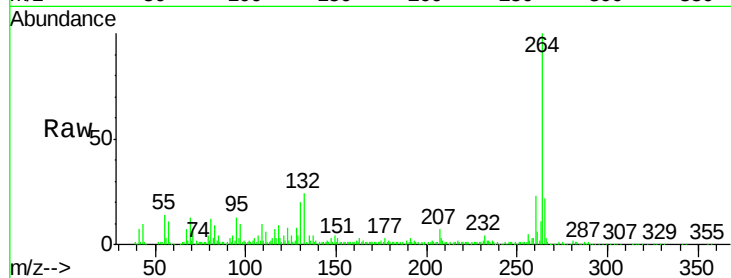
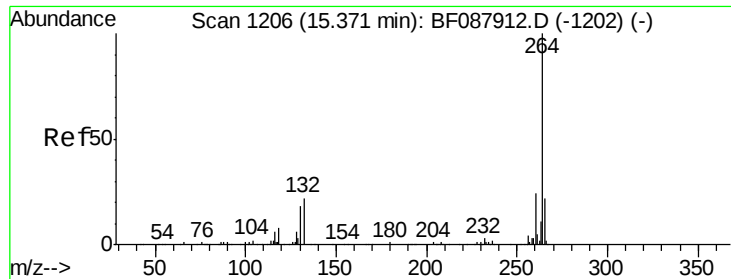
Tgt Ion: 244 Resp: 606719
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 12.2 11.2 16.8



#79
 Butylbenzylphthalate
 Concen: 3.12 ng
 RT: 13.26 min Scan# 1021
 Delta R.T. -0.02 min
 Lab File: BF088133.D
 Acq: 18 Jun 2016 14:45

Tgt Ion: 149 Resp: 18968
 Ion Ratio Lower Upper
 149 100
 91 81.0 48.0 72.0#
 206 15.8 16.0 24.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1192

Delta R.T. -0.01 min

Lab File: BF088133.D

Acq: 18 Jun 2016 14:45

Instrument :

BNA_F

ClientSampleId :

FIELD DUPLICATE

Tgt Ion: 264 Resp: 146968

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.0 16.9 25.3

