

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071716\
 Data File : BF089073.D
 Acq On : 17 Jul 2016 12:41
 Operator : UM/SJ
 Sample : H4045-19
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 03:13:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

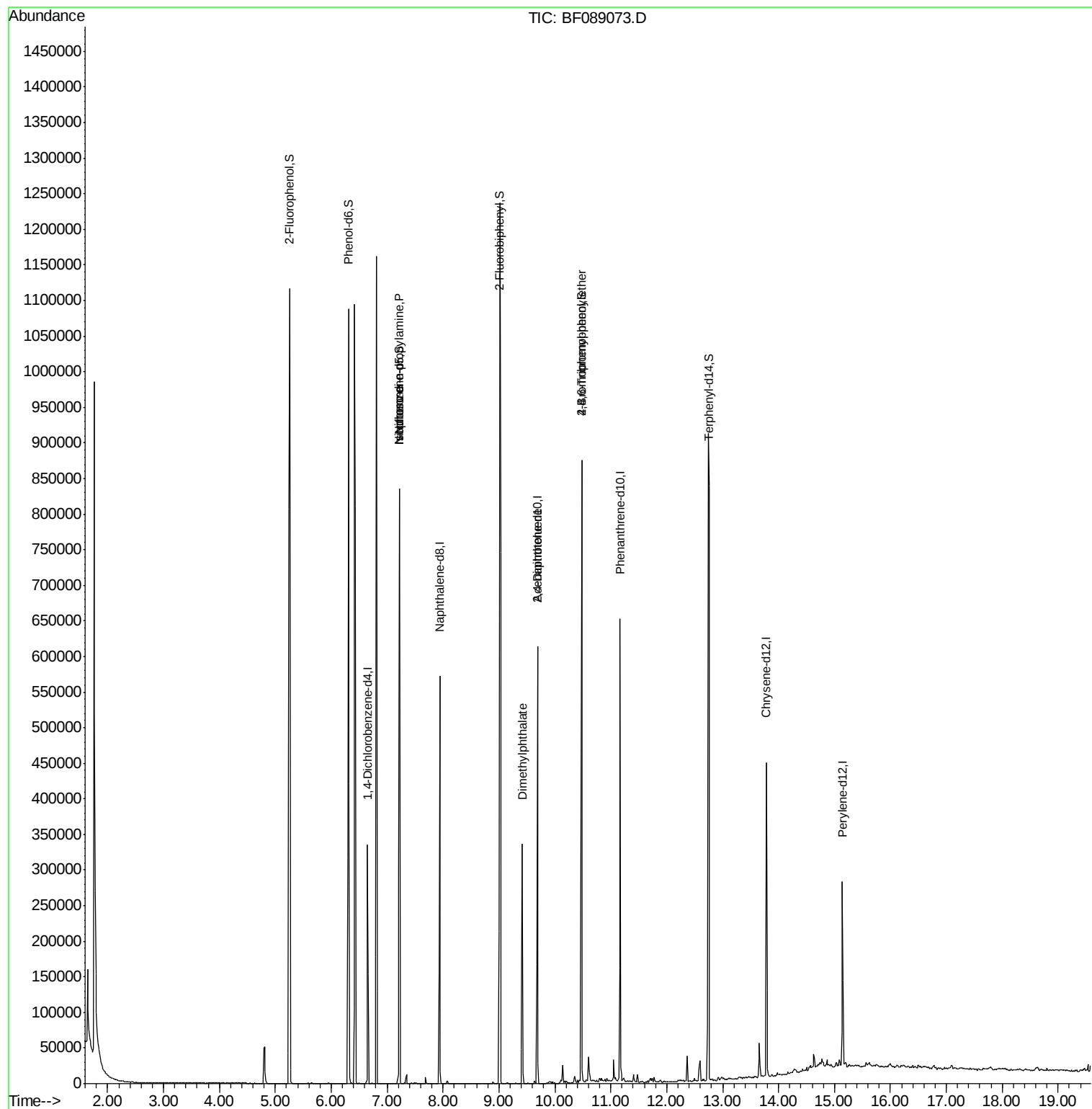
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	54831	20.00	ng	-0.06
21) Naphthalene-d8	7.94	136	254558	20.00	ng	-0.06
38) Acenaphthene-d10	9.69	164	118496	20.00	ng	-0.06
63) Phenanthrene-d10	11.16	188	223155	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	127798	20.00	ng	-0.07
86) Perylene-d12	15.14	264	105535	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	396244	108.31	ng	-0.03
7) Phenol-d6	6.31	99	464407	98.24	ng	-0.05
23) Nitrobenzene-d5	7.22	82	293383	60.40	ng	-0.06
41) 2,4,6-Tribromophenol	10.48	330	101062	91.84	ng	-0.06
44) 2-Fluorobiphenyl	9.02	172	514251	68.55	ng	-0.06
78) Terphenyl-d14	12.75	244	400952	69.88	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	39876	12.56	ng	# 75
25) Isophorone	7.22	82	216907	24.11	ng	# 65
49) Dimethylphthalate	9.42	163	122971	14.57	ng	99
56) 2,4-Dinitrotoluene	9.69	165	15092	6.17	ng	# 36
66) 4-Bromophenyl-phenylether	10.48	248	8557	3.81	ng	# 1

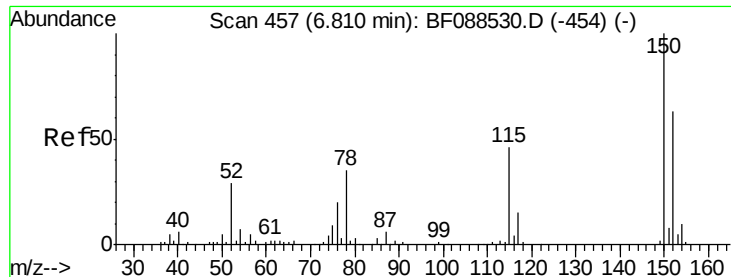
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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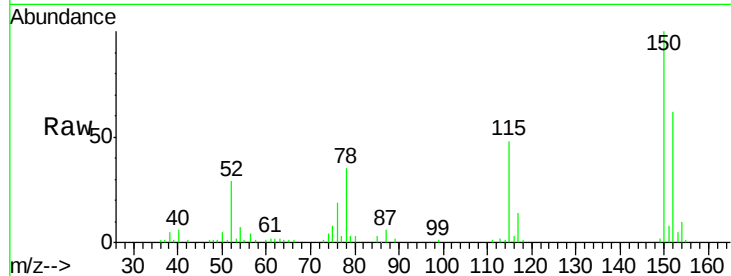


#1

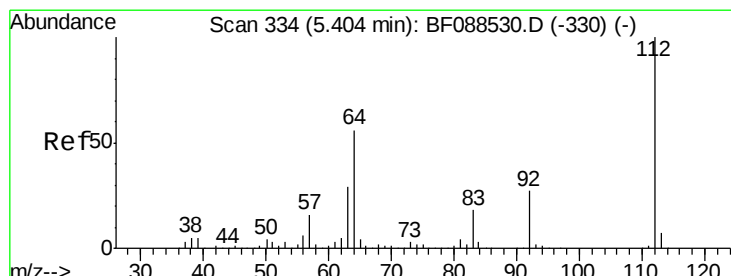
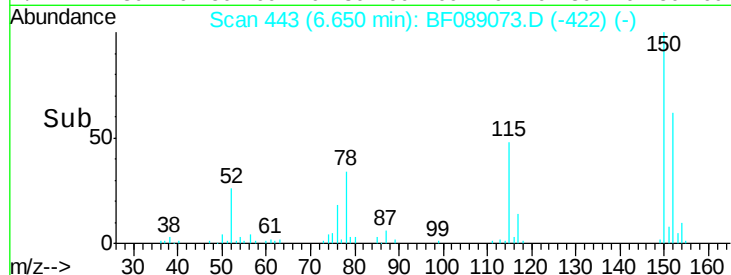
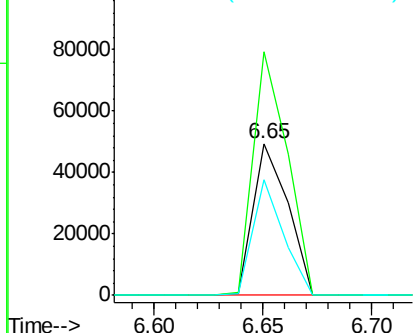
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 54831
Ion Ratio Lower Upper
152 100
150 160.6 123.8 185.6
115 76.4 39.6 59.4#



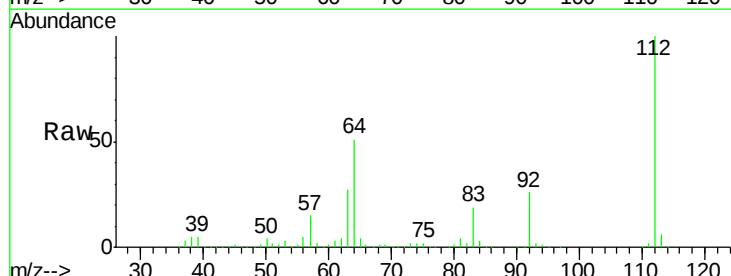
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



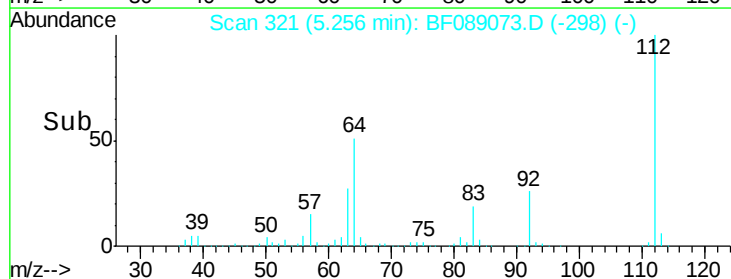
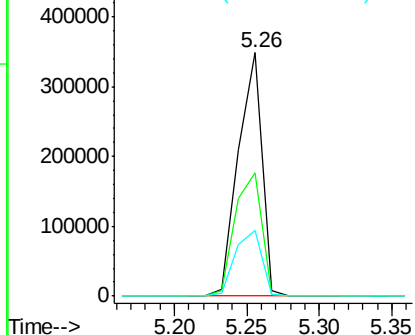
#5

2-Fluorophenol
Concen: 108.31 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Tgt Ion:112 Resp: 396244
Ion Ratio Lower Upper
112 100
64 50.6 42.2 63.2
63 26.9 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: 98.24 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.05 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Instrument :

BNA_F

ClientSampled :

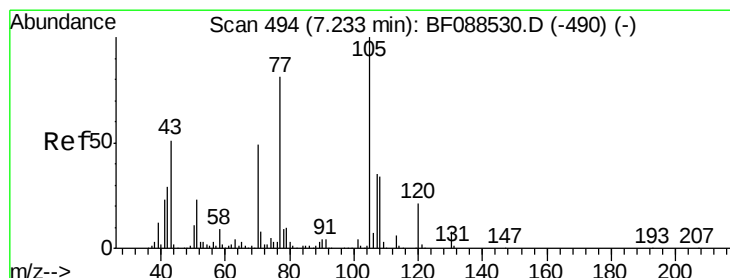
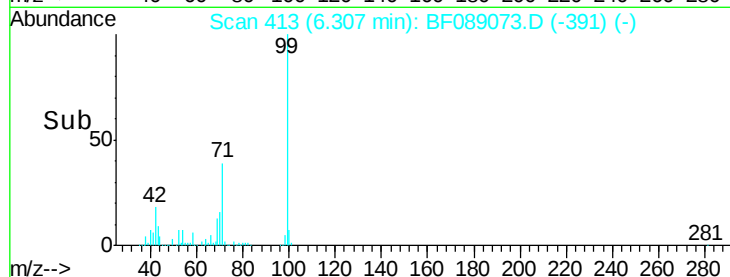
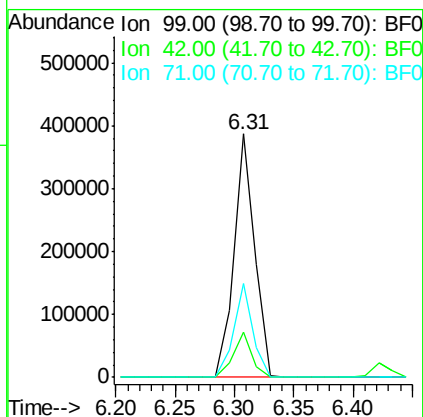
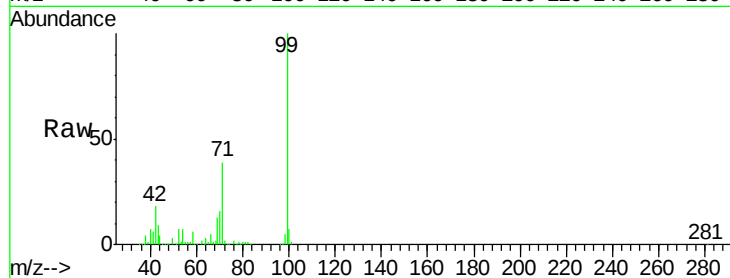
Tot Ion: 99 Resp: 464407

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 38.6 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 12.56 ng

RT: 7.22 min Scan# 493

Delta R.T. 0.08 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Tgt Ion: 70 Resp: 39876

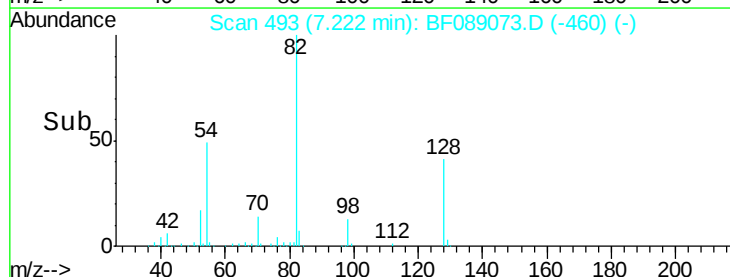
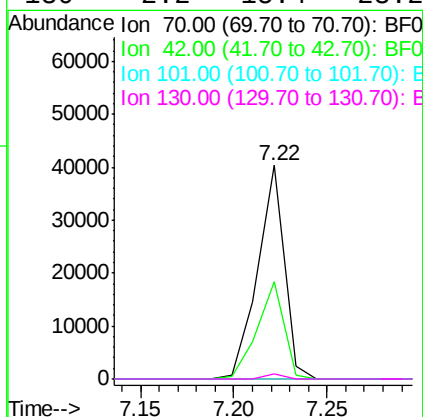
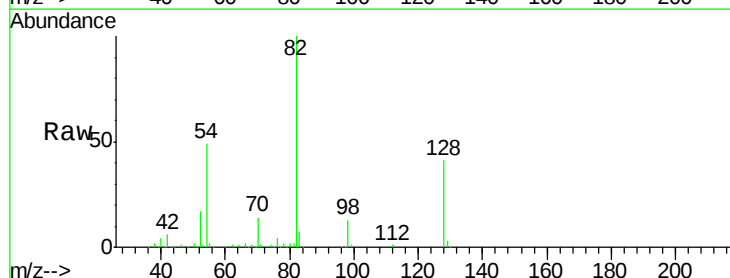
Ion Ratio Lower Upper

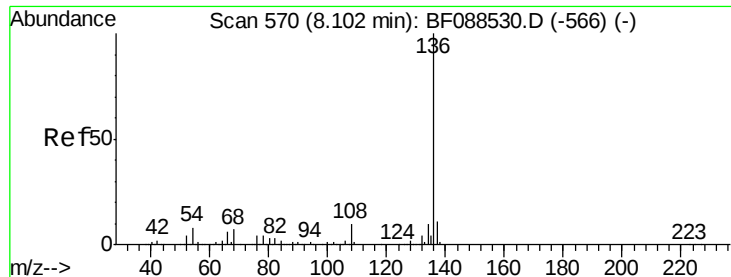
70 100

42 45.4 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: 7.94 min Scan# 556

Delta R.T. -0.06 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 254558

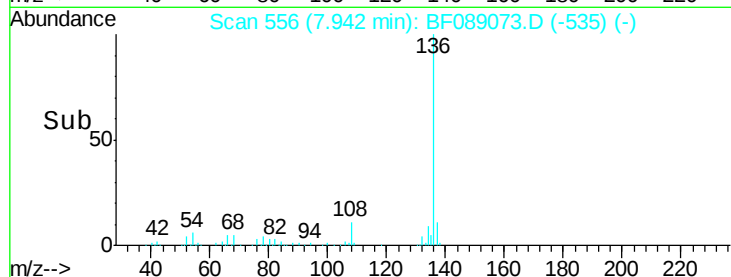
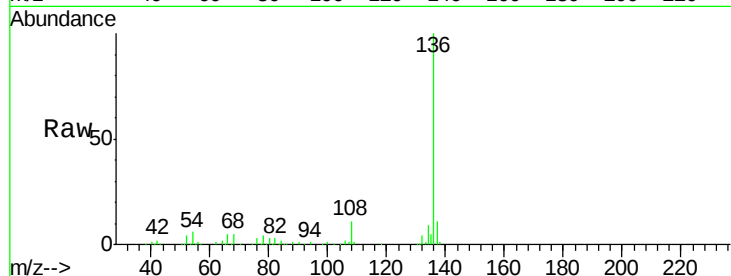
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.5 6.6 10.0#

68 5.4 5.1 7.7

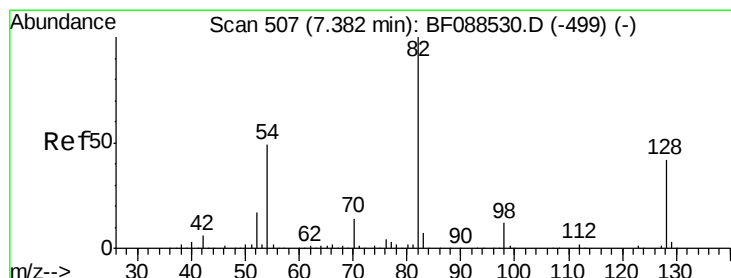
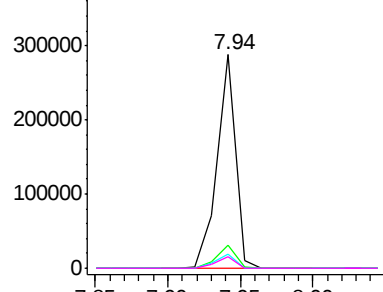


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.40 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.06 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

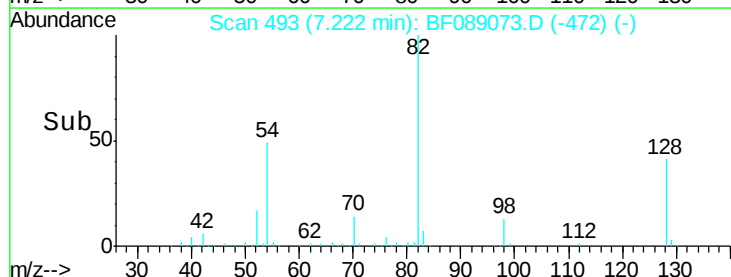
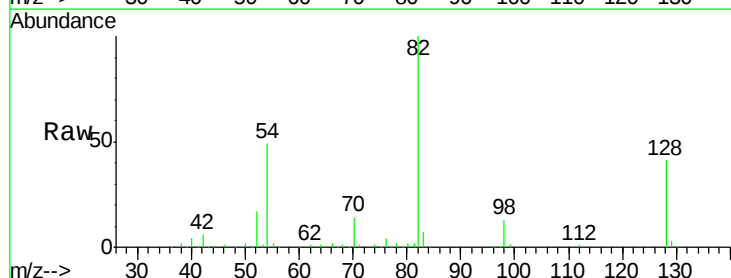
Tgt Ion: 82 Resp: 293383

Ion Ratio Lower Upper

82 100

128 40.8 35.9 53.9

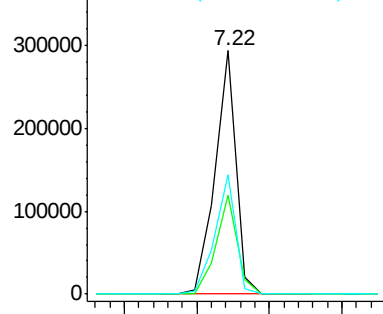
54 48.8 40.9 61.3

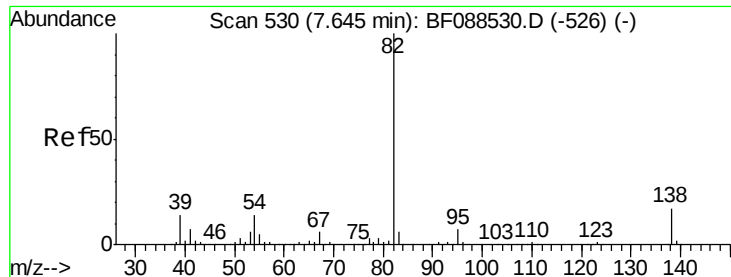


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.11 ng

RT: 7.22 min Scan# 493

Delta R.T. -0.32 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Instrument :

BNA_F

ClientSampleId :

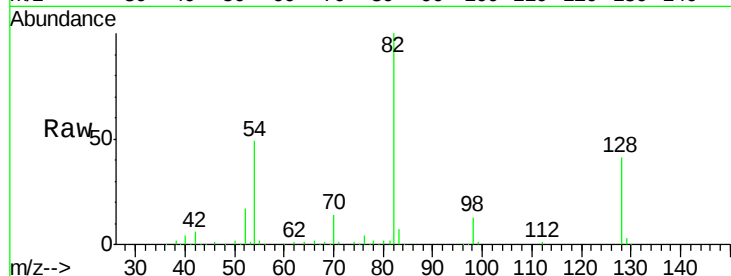
Tot Ion: 82 Resp: 216907

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#

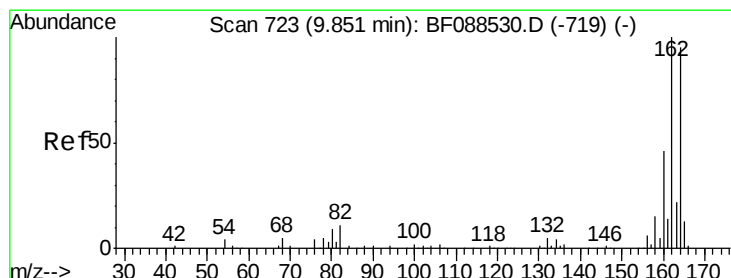
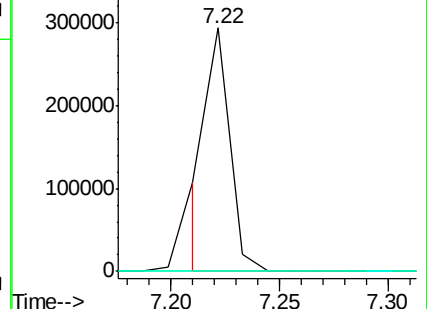
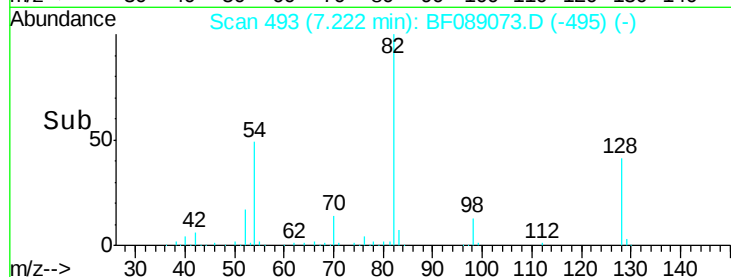


Abundance Ion 82.00 (81.70 to 82.70): BF088530.D (-526) (-)

Ion 95.00 (94.70 to 95.70): BF088530.D (-526) (-)

Ion 138.00 (137.70 to 138.70): BF088530.D (-526) (-)

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.06 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

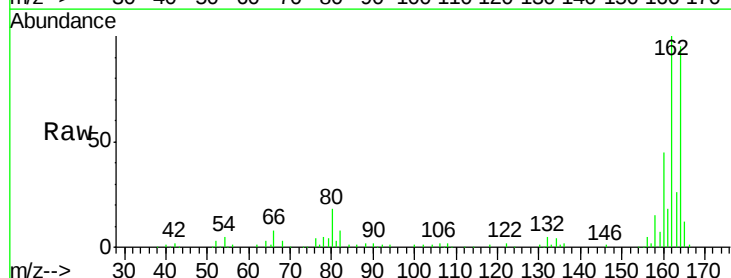
Tgt Ion: 164 Resp: 118496

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

160 47.2 39.5 59.3

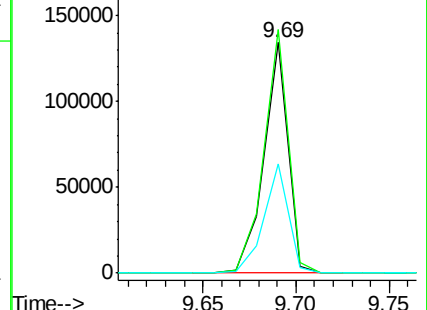
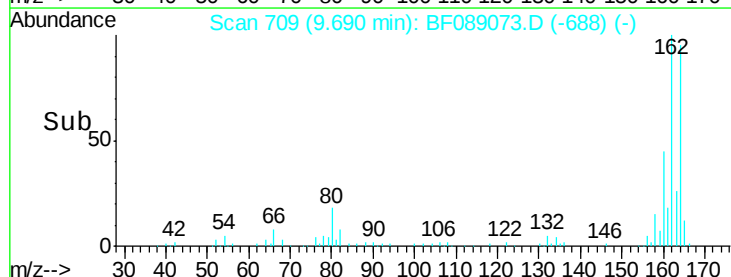


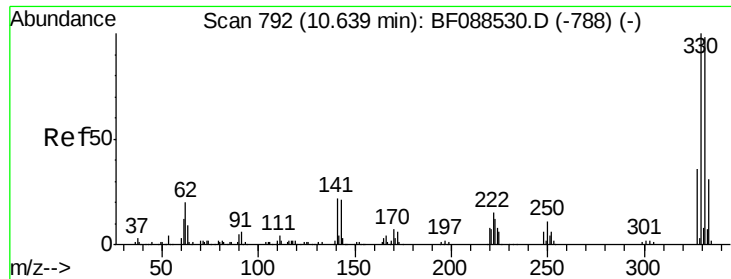
Abundance Ion 164.00 (163.70 to 164.70): BF088530.D (-719) (-)

Ion 162.00 (161.70 to 162.70): BF088530.D (-719) (-)

Ion 160.00 (159.70 to 160.70): BF088530.D (-719) (-)

Time-->

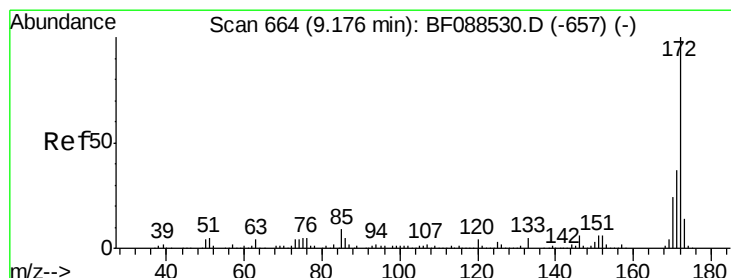
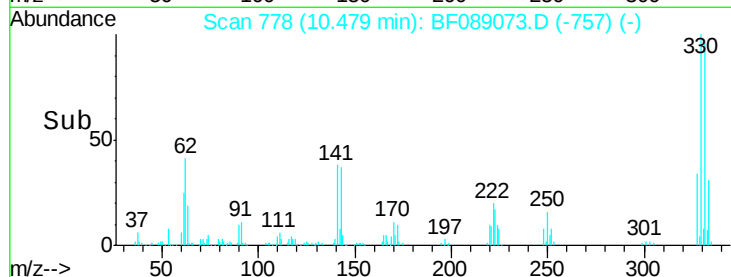
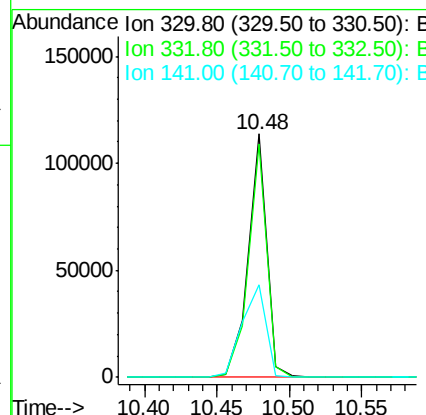
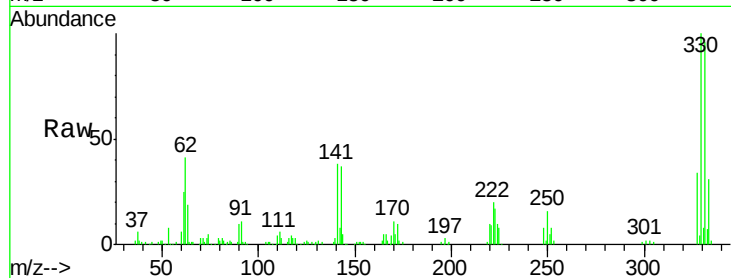




#41
 2,4,6-Tribromophenol
 Concen: 91.84 ng
 RT: 10.48 min Scan# 778
 Delta R.T. -0.06 min
 Lab File: BF089073.D
 Acq: 17 Jul 2016 12:41

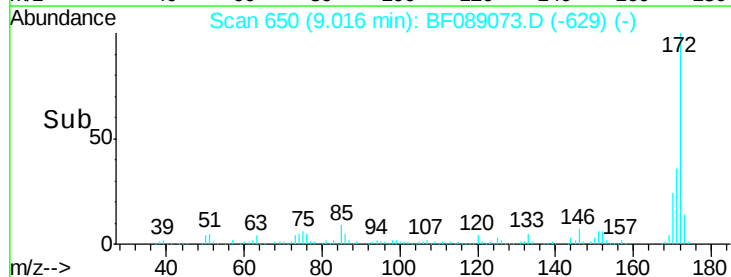
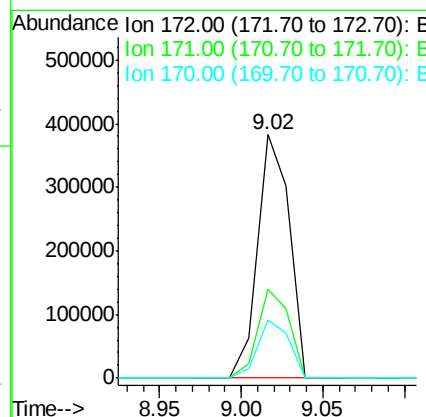
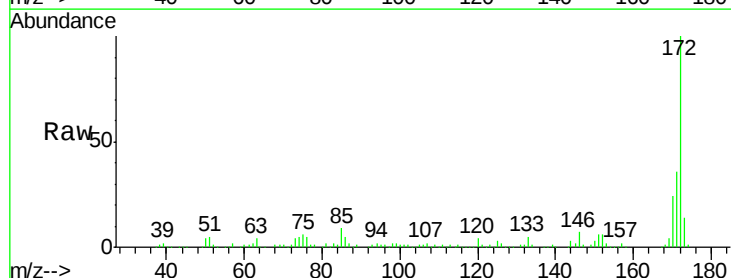
Instrument :
 BNA_F
 ClientSampleId :

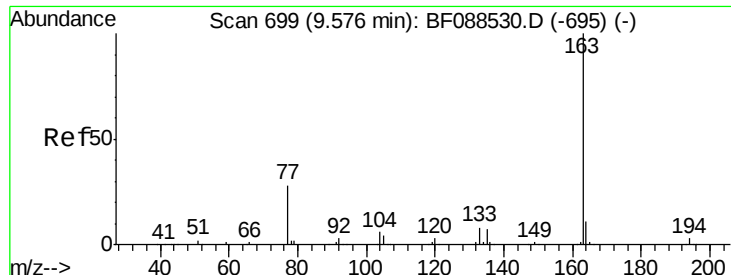
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	0.0	0.0#
141	48.9	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 68.55 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.06 min
 Lab File: BF089073.D
 Acq: 17 Jul 2016 12:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	23.7	19.2	28.8

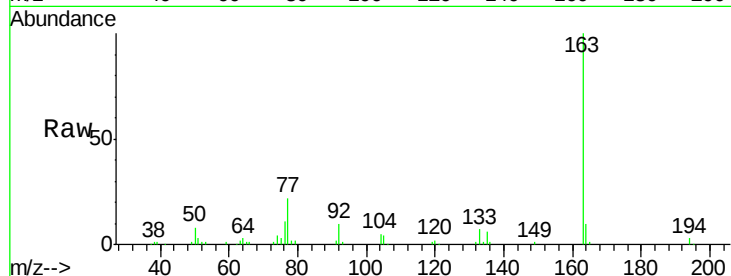




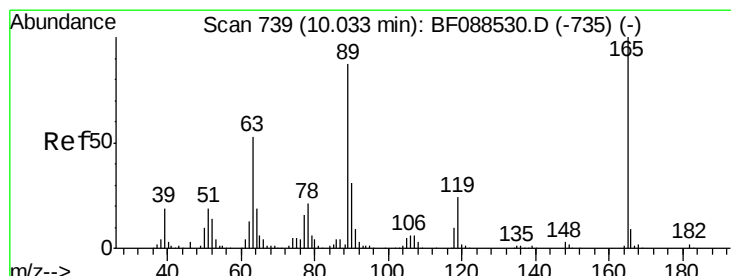
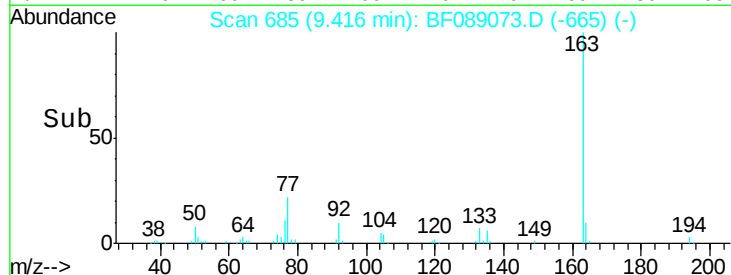
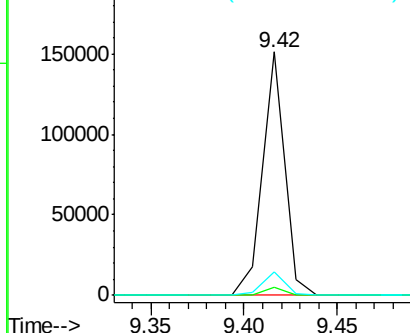
#49
Dimethylphthalate
Concen: 14.57 ng
RT: 9.42 min Scan# 685
Delta R.T. -0.07 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 122971
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 9.8 8.3 12.5

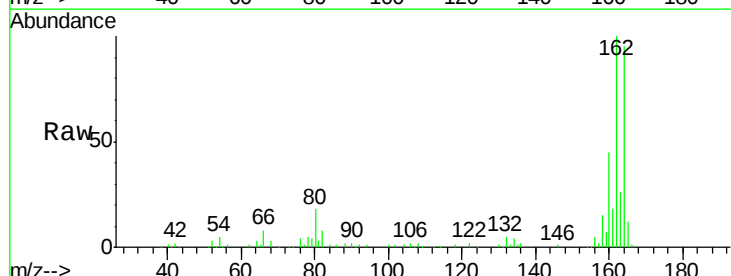


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

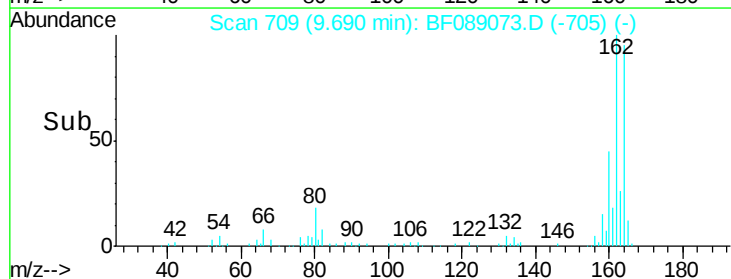
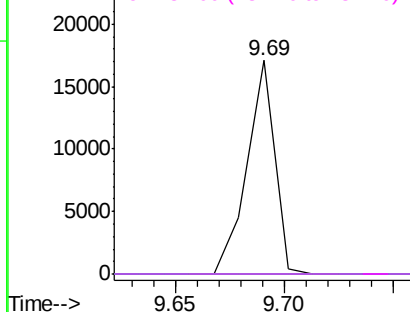


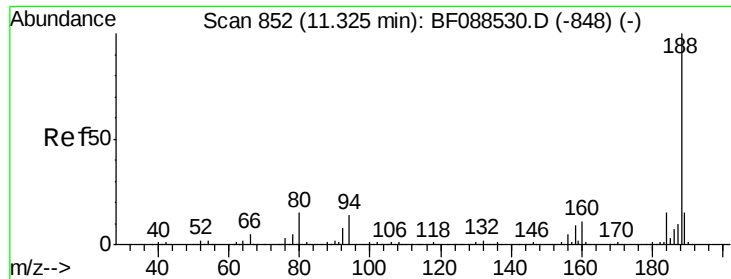
#56
2,4-Dinitrotoluene
Concen: 6.17 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.25 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Tgt Ion:165 Resp: 15092
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

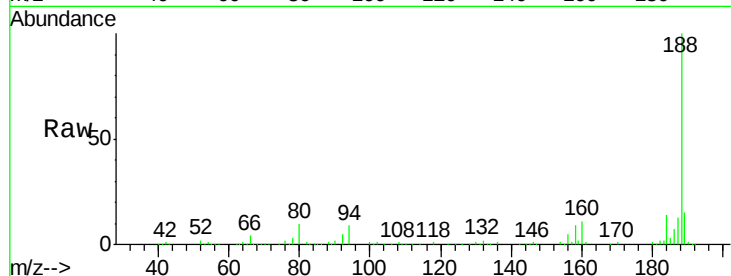




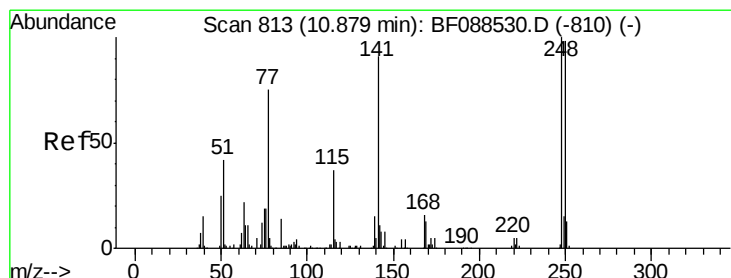
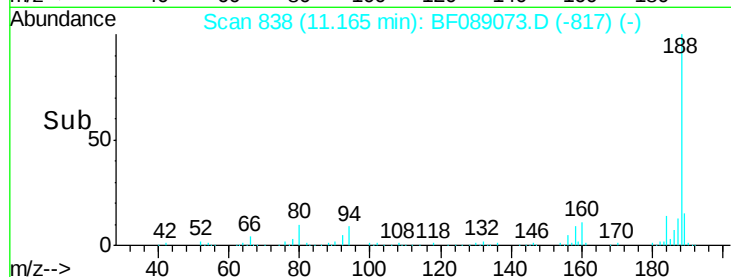
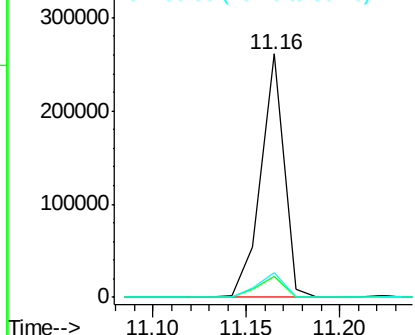
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.06 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 223155
Ion Ratio Lower Upper
188 100
94 8.8 9.0 13.6#
80 9.9 10.0 15.0#

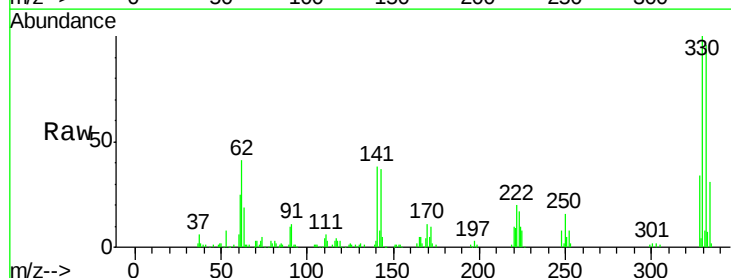


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

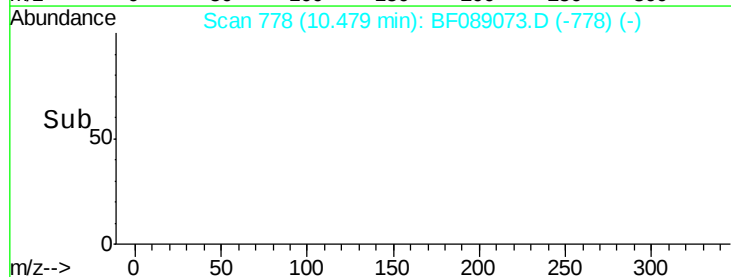
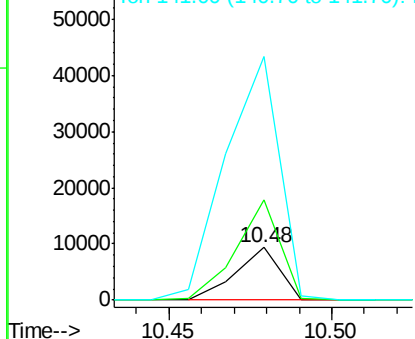


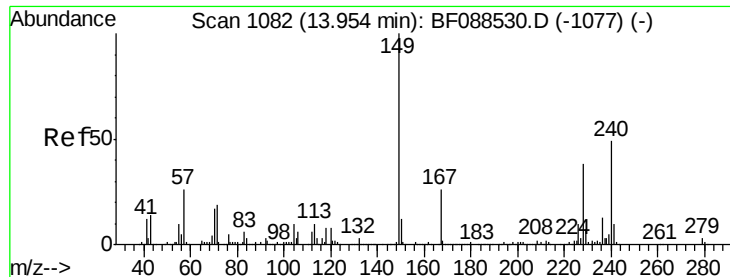
#66
4-Bromophenyl-phenylether
Concen: 3.81 ng
RT: 10.48 min Scan# 778
Delta R.T. -0.30 min
Lab File: BF089073.D
Acq: 17 Jul 2016 12:41

Tgt Ion:248 Resp: 8557
Ion Ratio Lower Upper
248 100
250 190.4 77.1 115.7#
141 465.2 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: 13.78 min Scan# 1067

Delta R.T. -0.07 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Instrument :

BNA_F

ClientSampleId :

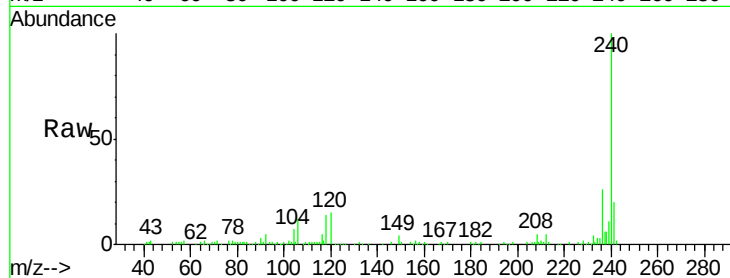
Tot Ion:240 Resp: 127798

Ion Ratio Lower Upper

240 100

120 15.5 6.8 10.2#

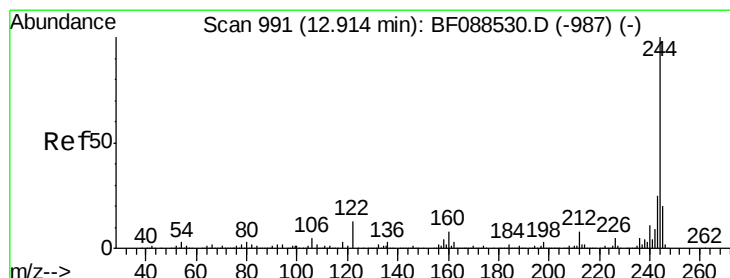
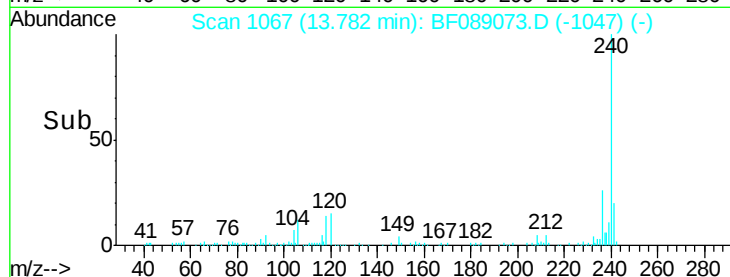
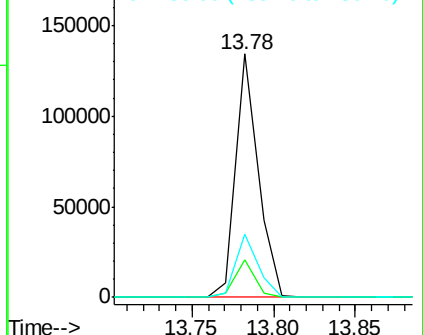
236 25.9 20.2 30.2



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: 69.88 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

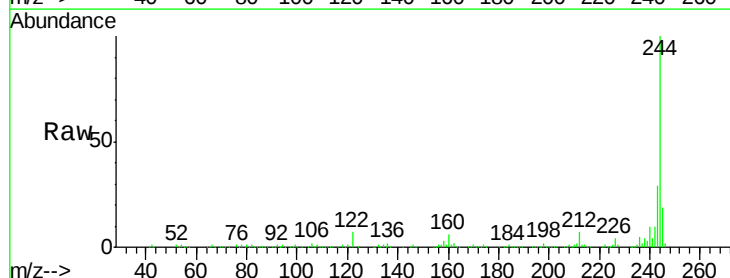
Tgt Ion:244 Resp: 400952

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

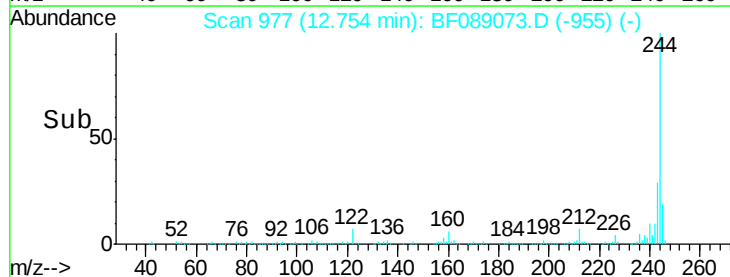
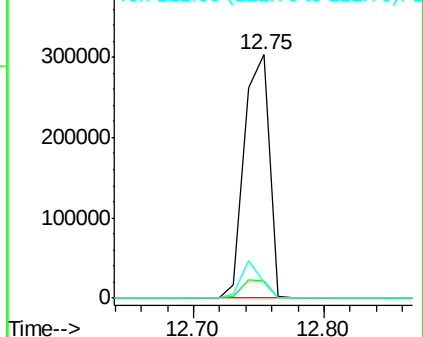
122 6.6 11.2 16.8#

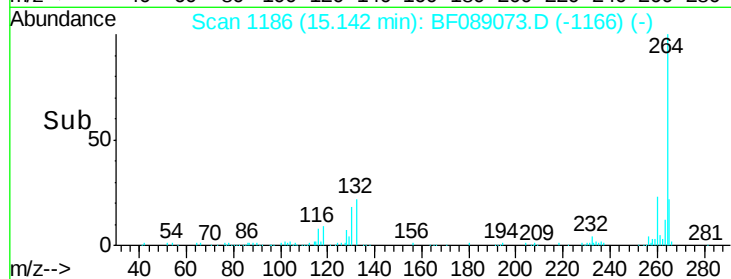
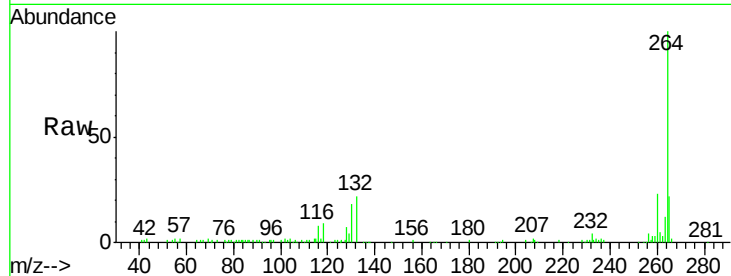
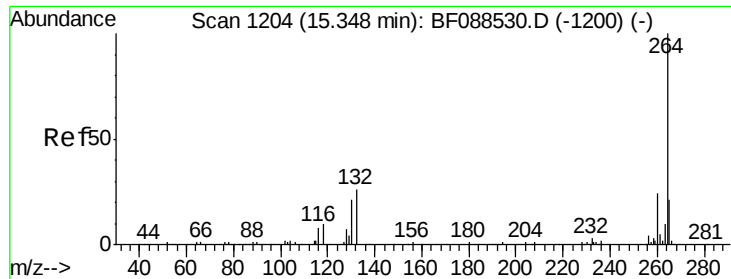


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.14 min Scan# 1186

Delta R.T. -0.07 min

Lab File: BF089073.D

Acq: 17 Jul 2016 12:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	264	Resp:	105535
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.1	16.9	25.3

