

Data File : BF093075.D
Acq On : 22 Feb 2017 15:11
Operator : SJ/MA
Sample : PB97102BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB97102BL

Quant Time: Feb 22 23:54:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	144948	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	561878	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	272556	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	520137	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	450408	20.00	ng	-0.03
86) Perylene-d12	15.41	264	363571	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1038759	122.95	ng	-0.01
7) Phenol-d6	6.48	99	1299241	119.52	ng	-0.01
23) Nitrobenzene-d5	7.40	82	797170	79.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	265918	134.90	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1342533	89.24	ng	-0.02
78) Terphenyl-d14	12.93	244	1371353	71.54	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	103232	14.92	ng	# 83
25) Isophorone	7.40	82	732602	38.96	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	34523	8.71	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	34523	6.54	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	388	2.78	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	18868	3.47	ng	# 1

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

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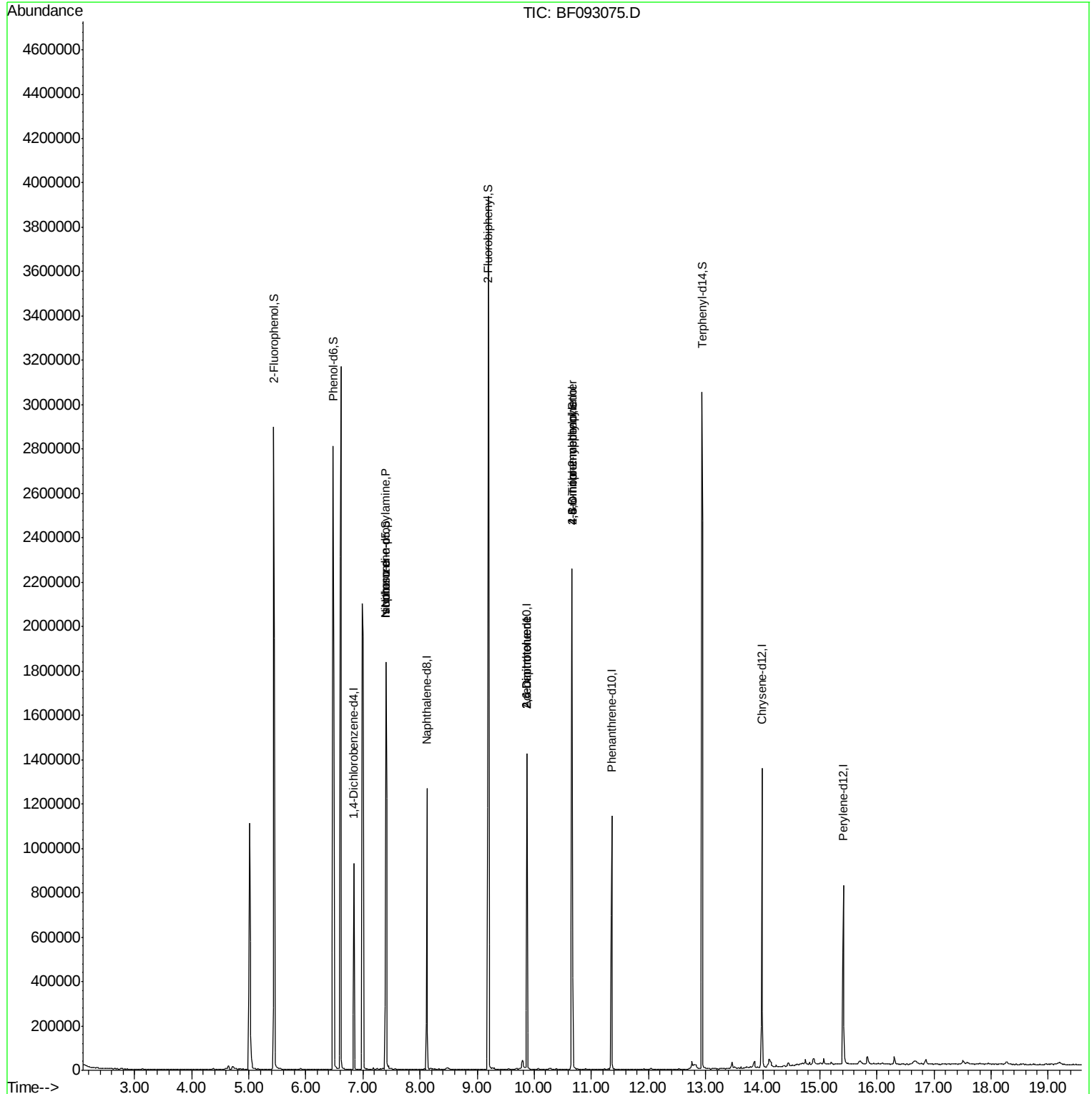
Quant Time: Feb 22 23:54:02 2017

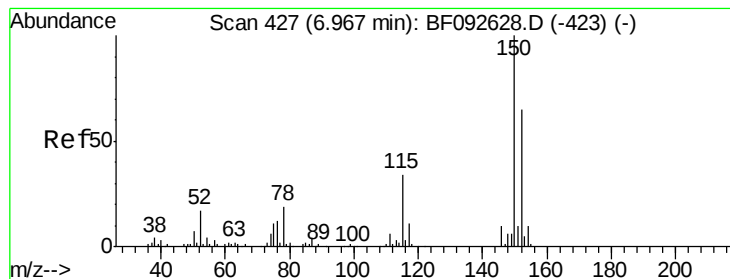
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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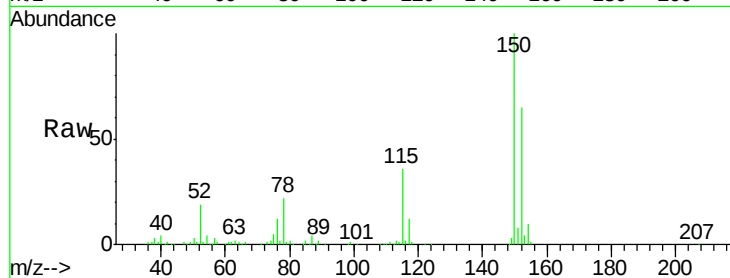
Tgt Ion:152 Resp: 144948

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

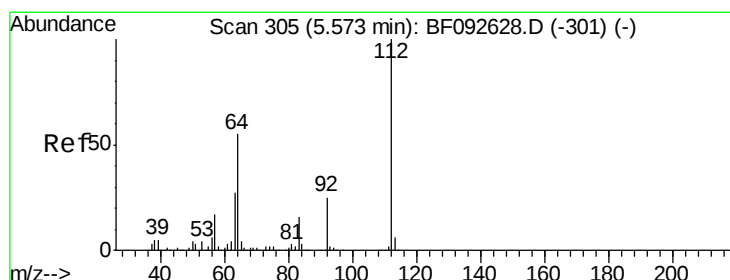
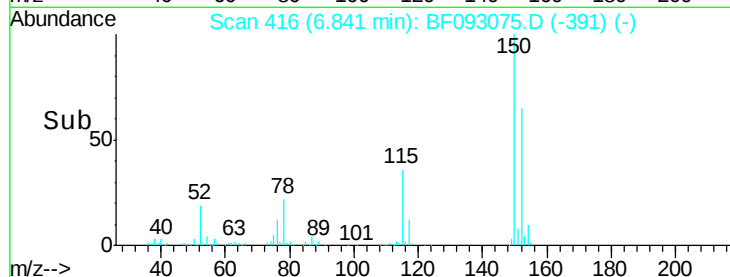
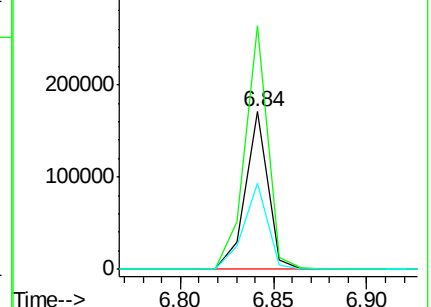
115 55.0 46.0 69.0



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: 122.95 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

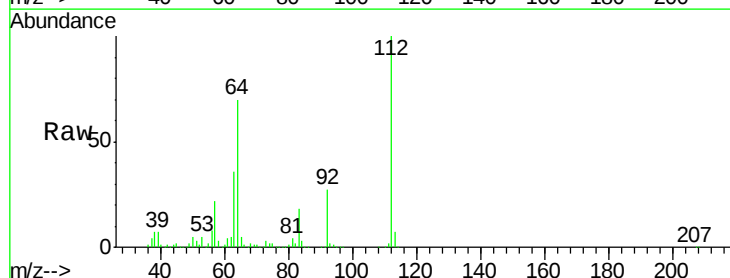
Tgt Ion:112 Resp: 1038759

Ion Ratio Lower Upper

112 100

64 69.8 46.1 69.1#

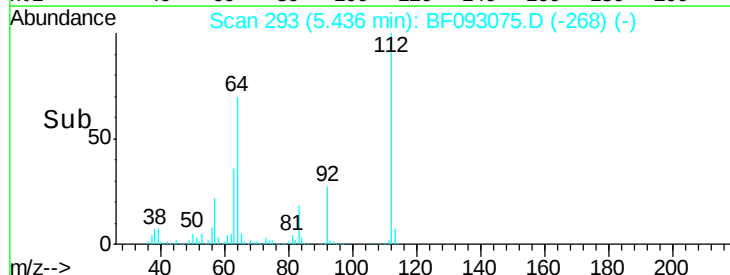
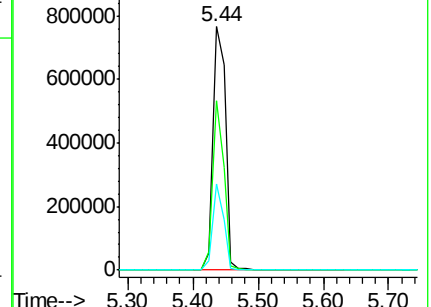
63 35.6 23.8 35.6

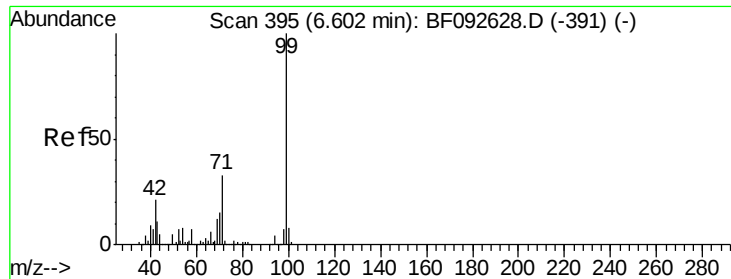


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.52 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

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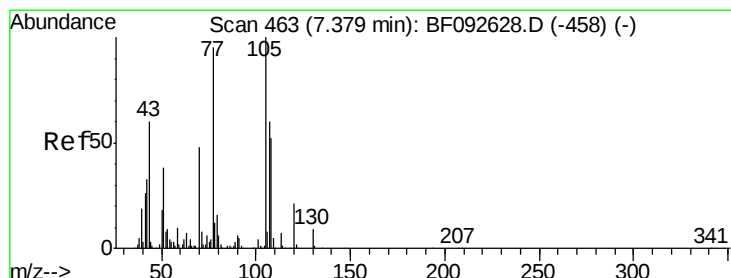
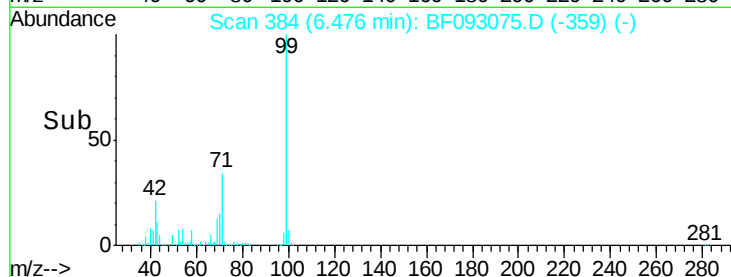
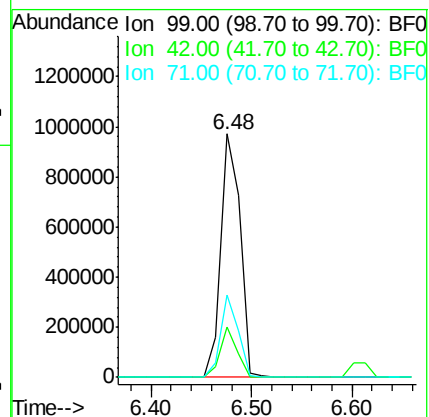
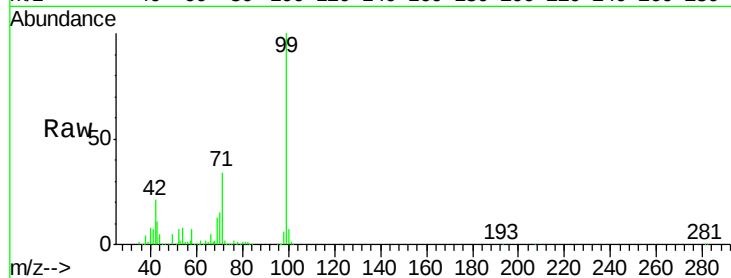
Tgt Ion: 99 Resp: 1299241

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

71 33.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.92 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

Tgt Ion: 70 Resp: 103232

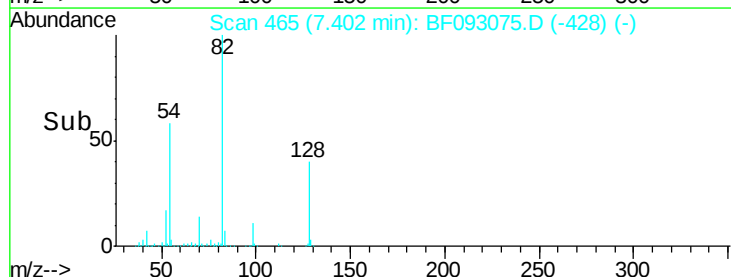
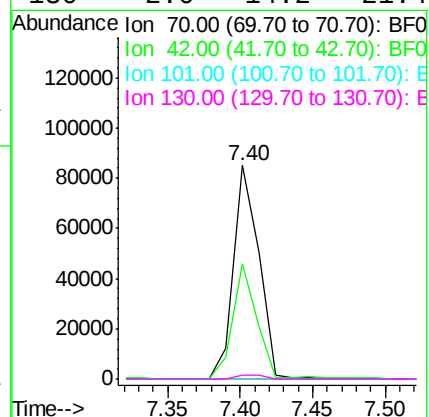
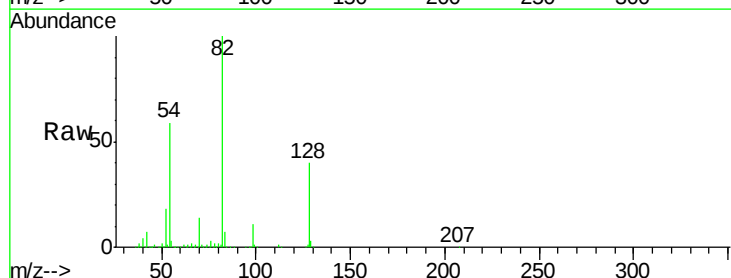
Ion Ratio Lower Upper

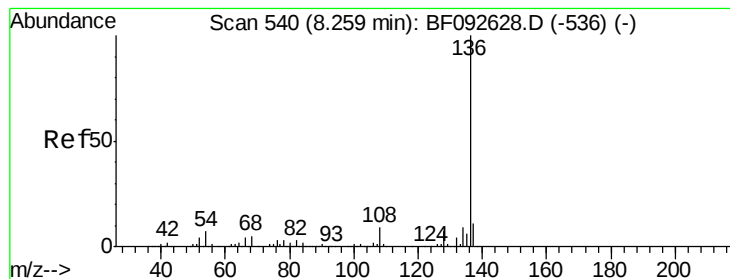
70 100

42 53.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

Instrument :

BNA_F

ClientSampleId :

PB97102BL

Tgt Ion:136 Resp: 561878

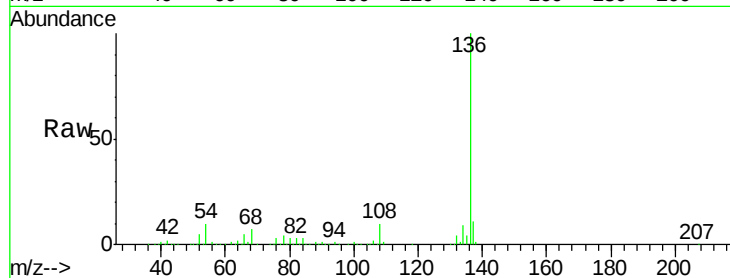
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 10.1 4.5 6.7#

68 7.1 3.6 5.4#

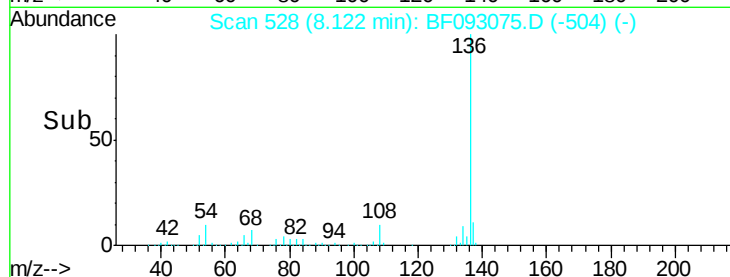


Abundance Ion 136.00 (135.70 to 136.70): E

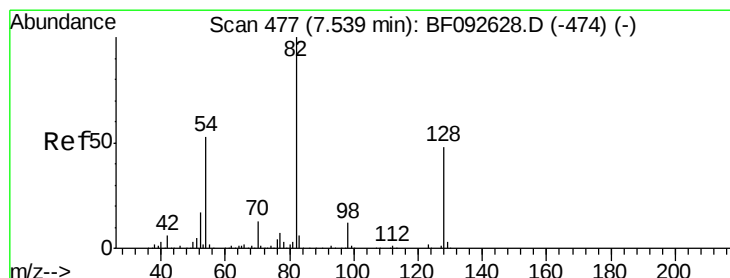
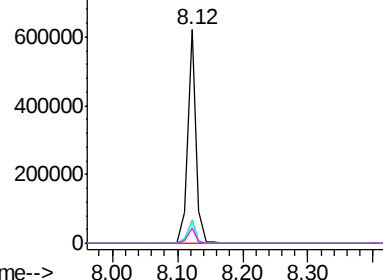
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 79.01 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

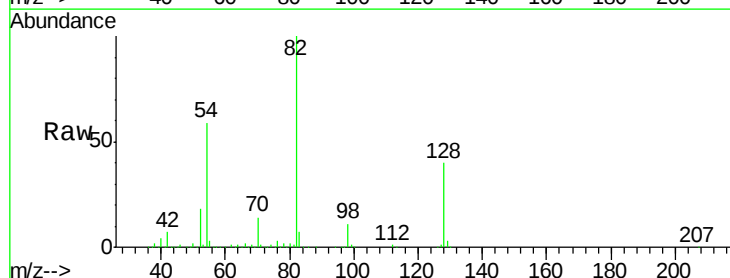
Tgt Ion: 82 Resp: 797170

Ion Ratio Lower Upper

82 100

128 40.4 34.6 52.0

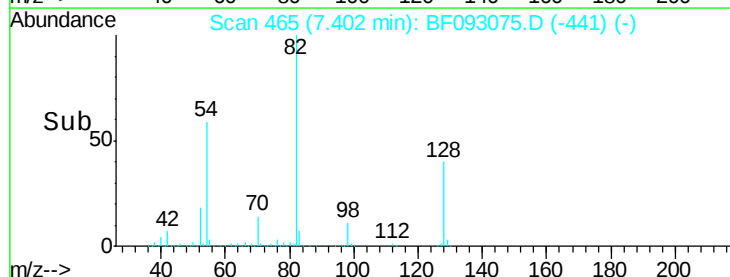
54 58.5 39.5 59.3



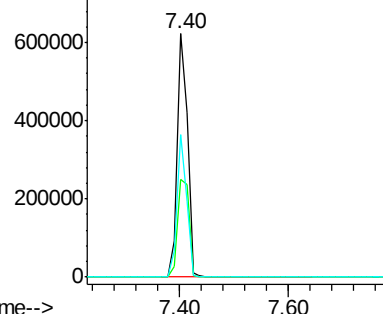
Abundance Ion 82.00 (81.70 to 82.70): BF0

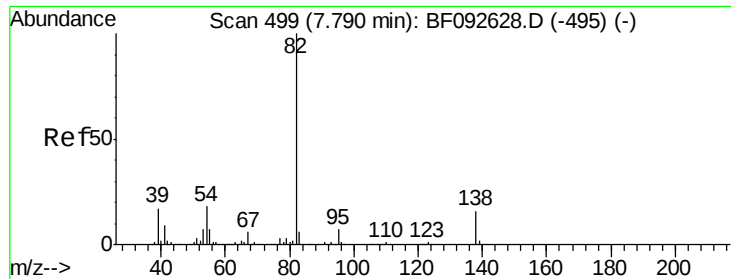
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 38.96 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

Instrument :

BNA_F

ClientSampleId :

PB97102BL

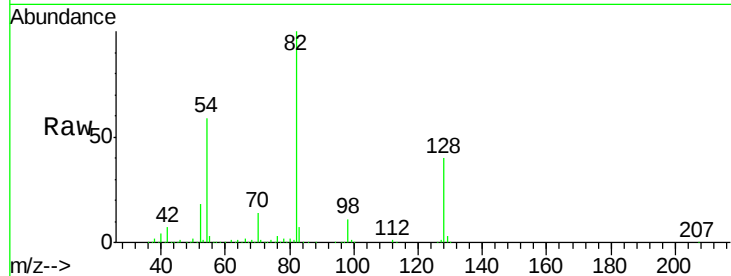
Tgt Ion: 82 Resp: 732602

Ion Ratio Lower Upper

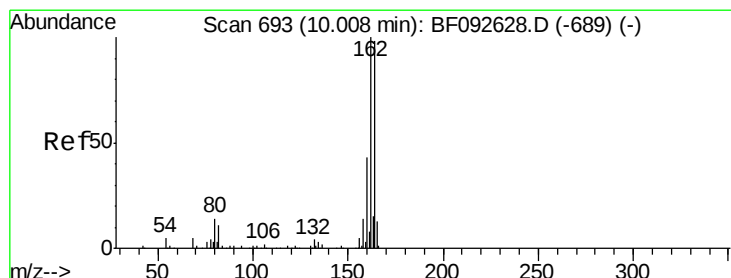
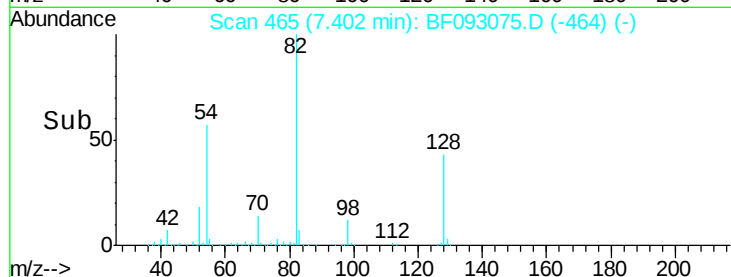
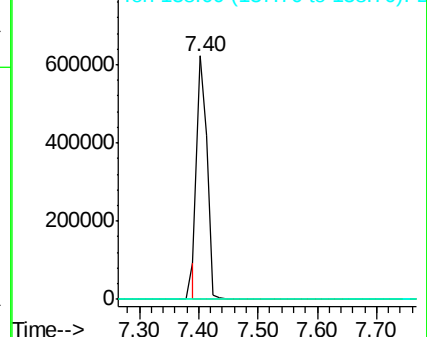
82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

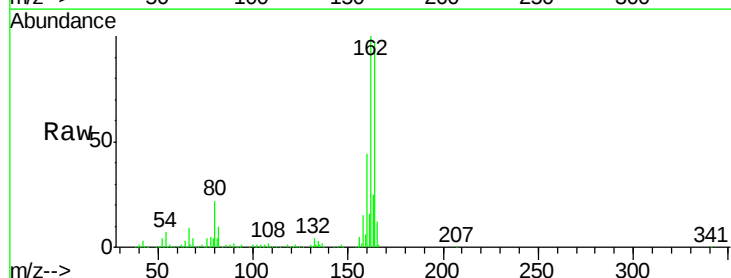
Tgt Ion: 164 Resp: 272556

Ion Ratio Lower Upper

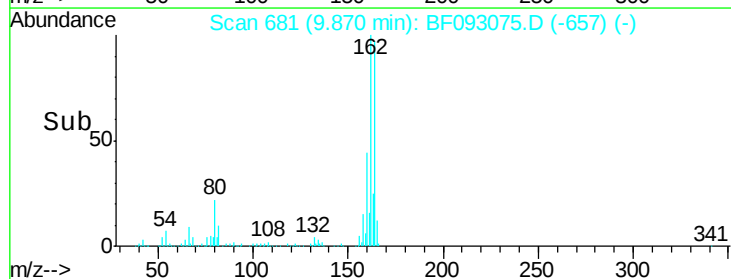
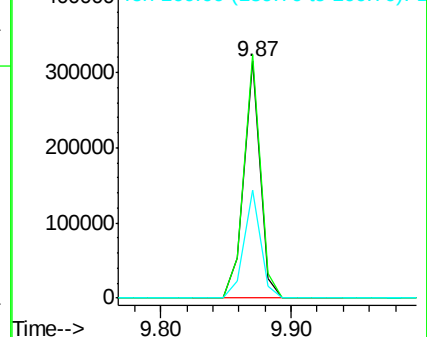
164 100

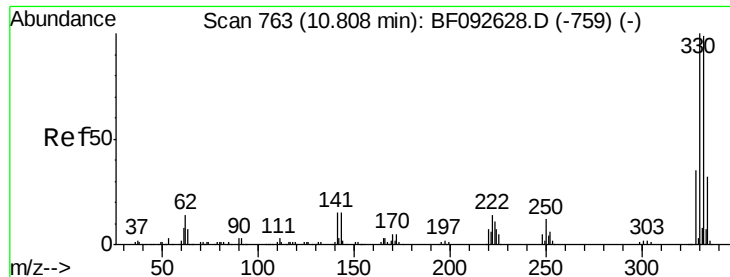
162 102.7 80.2 120.2

160 45.5 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

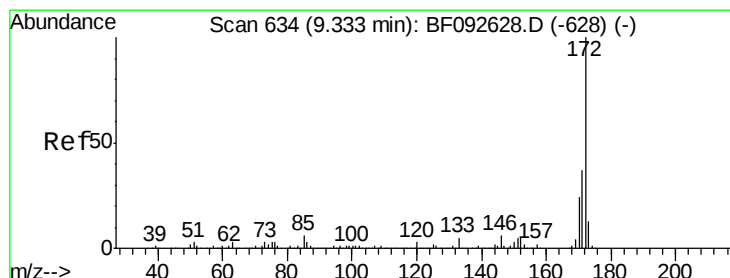
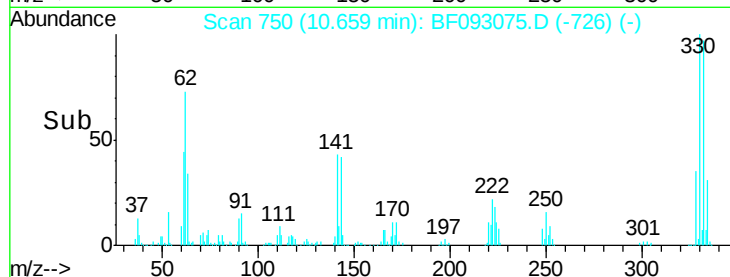
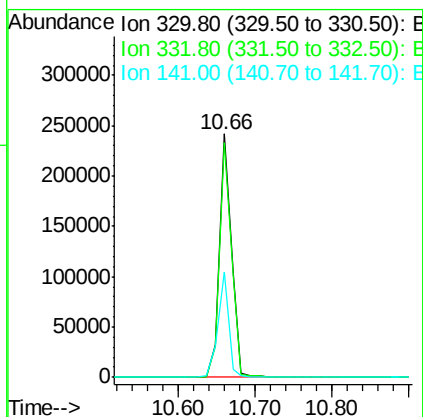
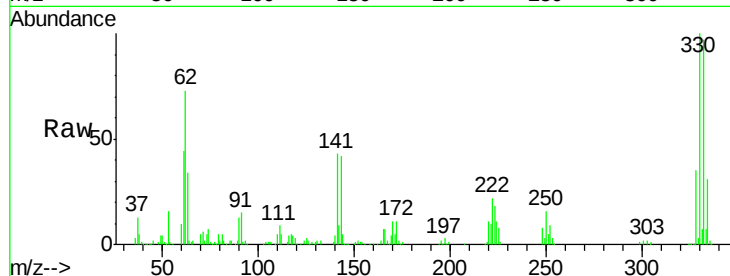




#41
 2,4,6-Tribromophenol
 Concen: 134.90 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

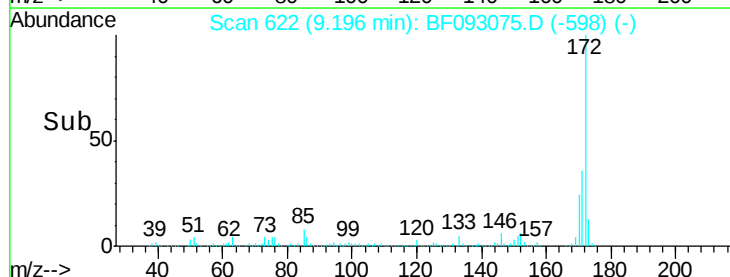
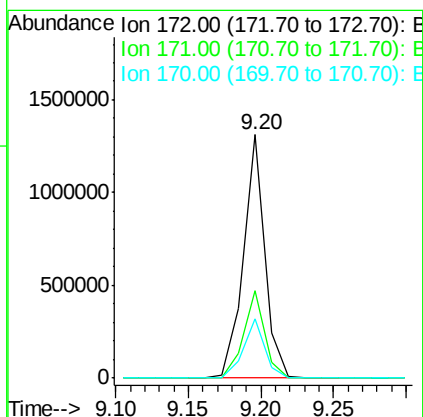
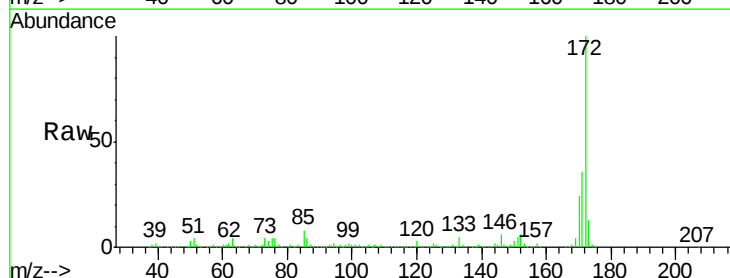
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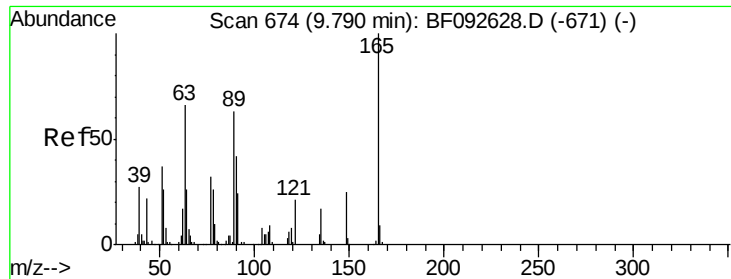
Tgt Ion:330 Resp: 265918
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.2
 141 37.8 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 89.24 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Tgt Ion:172 Resp: 1342533
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.3 20.2 30.4

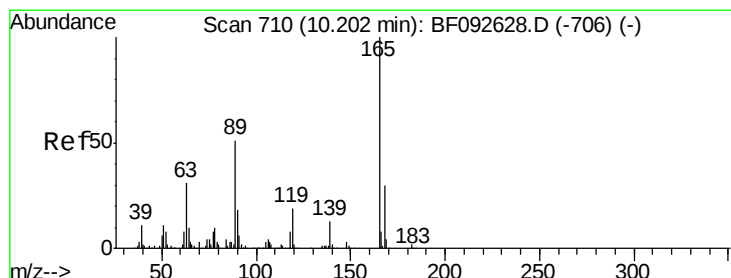
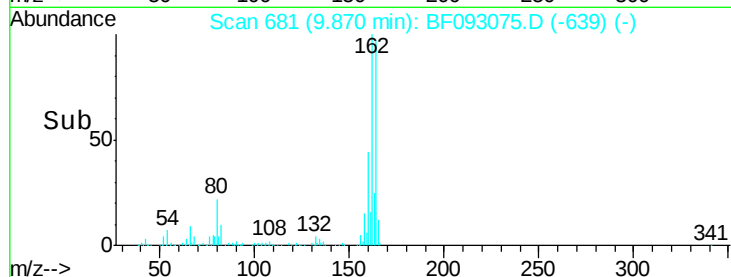
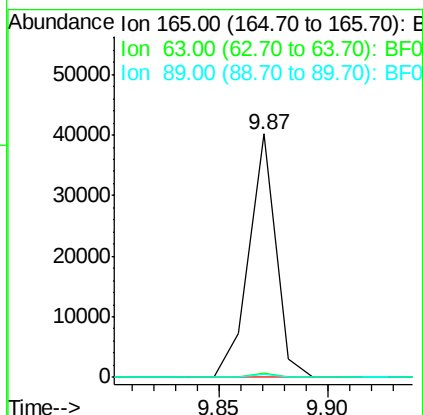
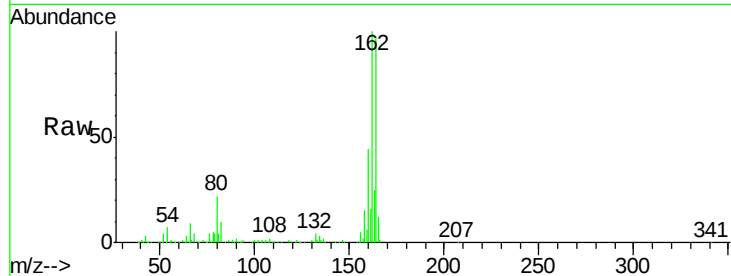




#50
 2,6-Dinitrotoluene
 Concen: 8.71 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

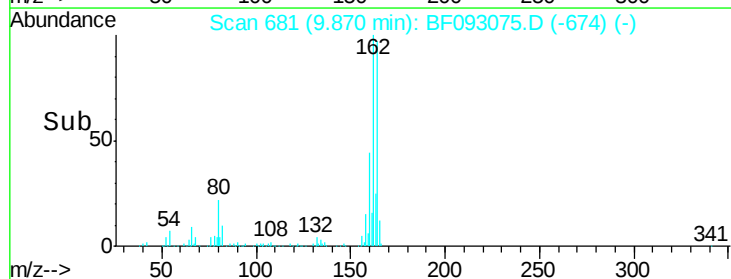
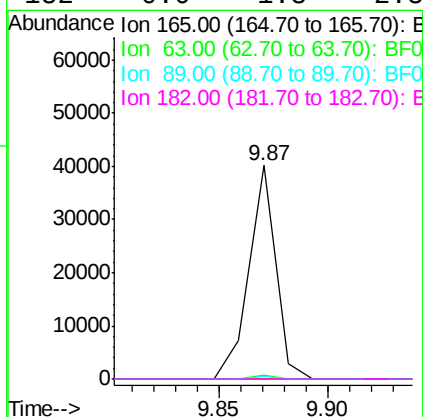
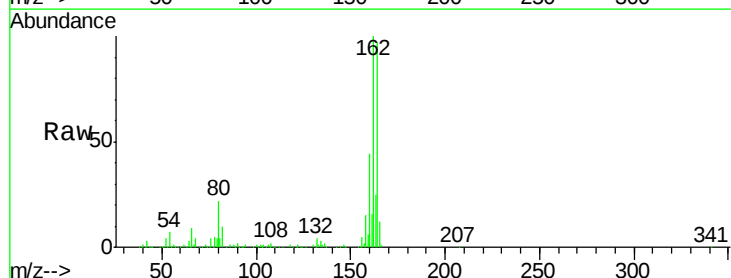
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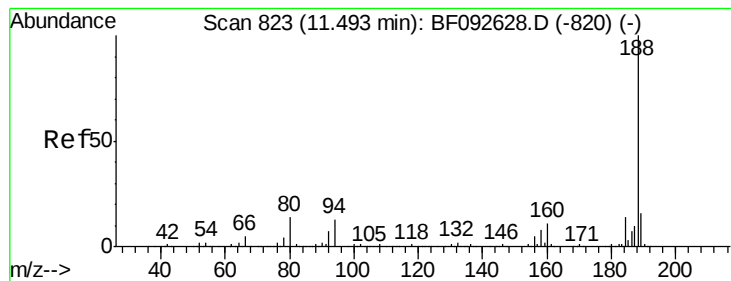
Tgt Ion:165 Resp: 34523
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.2 54.4#
 89 1.4 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Tgt Ion:165 Resp: 34523
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

Instrument :

BNA_F

ClientSampleId :

PB97102BL

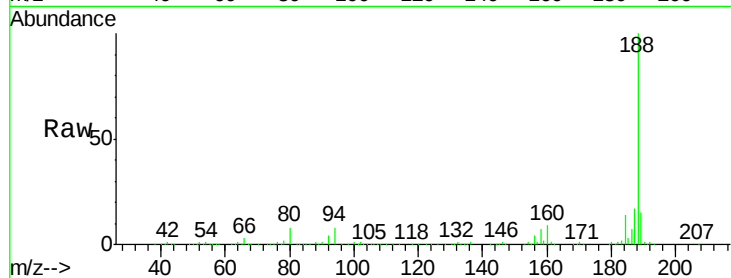
Tgt Ion:188 Resp: 520137

Ion Ratio Lower Upper

188 100

94 7.7 10.0 15.0#

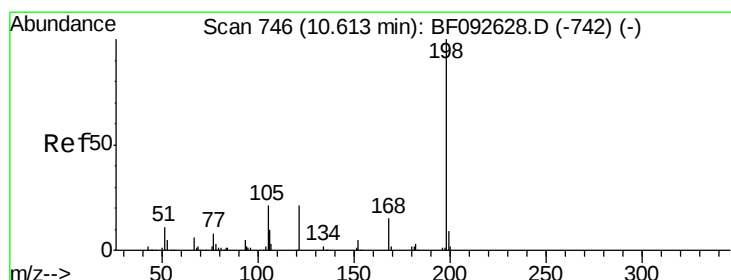
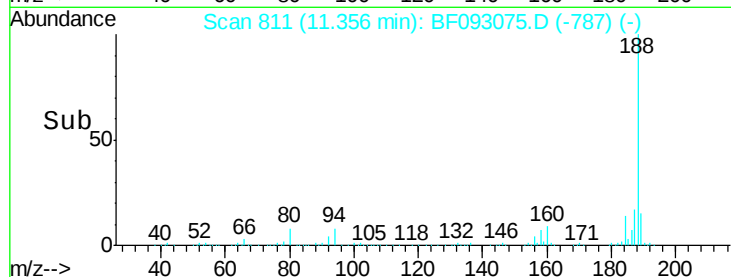
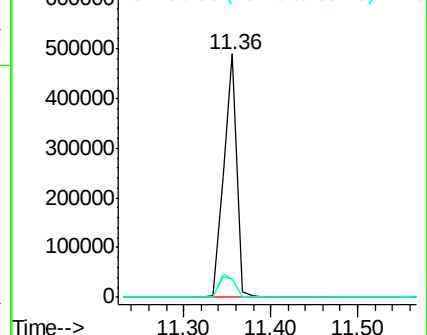
80 7.8 11.2 16.8#



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: 2.78 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093075.D

Acq: 22 Feb 2017 15:11

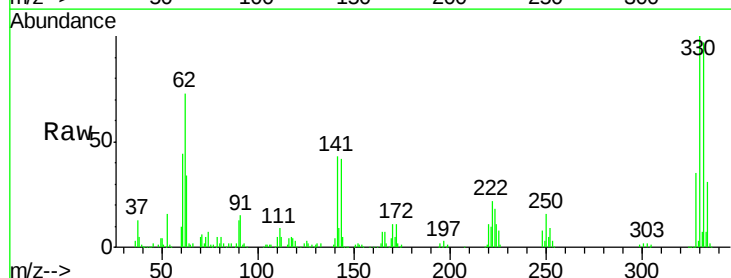
Tgt Ion:198 Resp: 388

Ion Ratio Lower Upper

198 100

51 274.7 6.7 46.7#

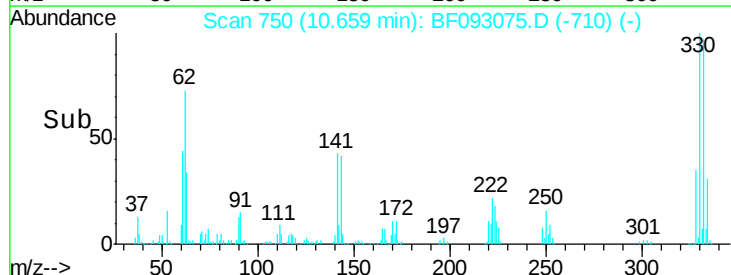
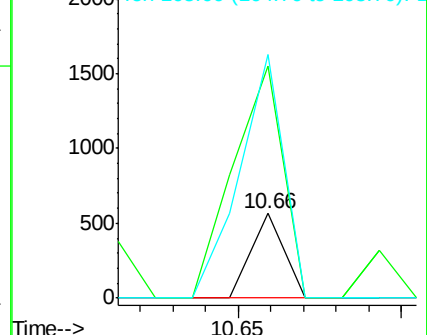
105 287.5 16.6 56.6#

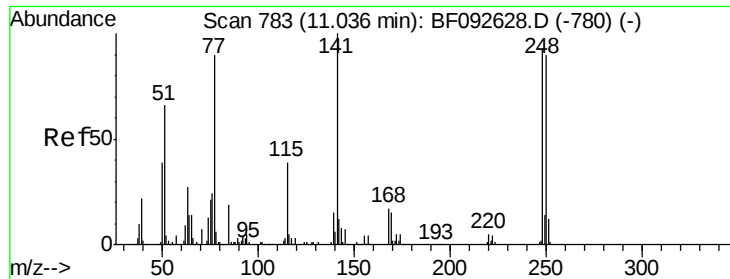


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

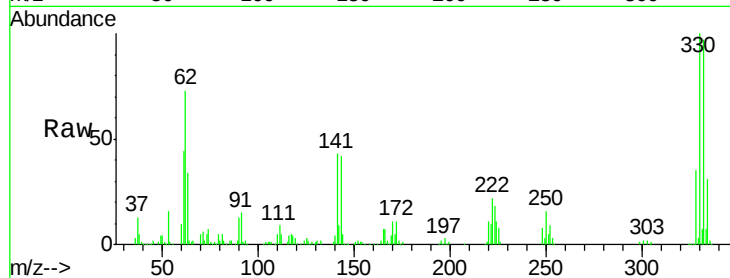




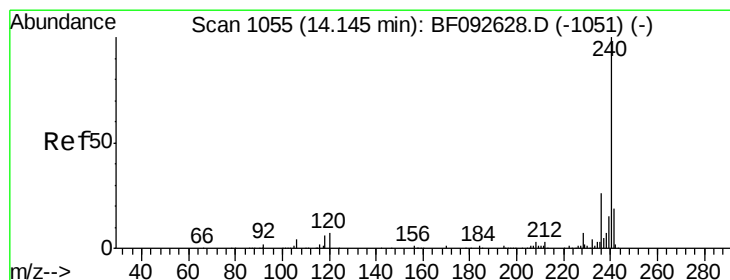
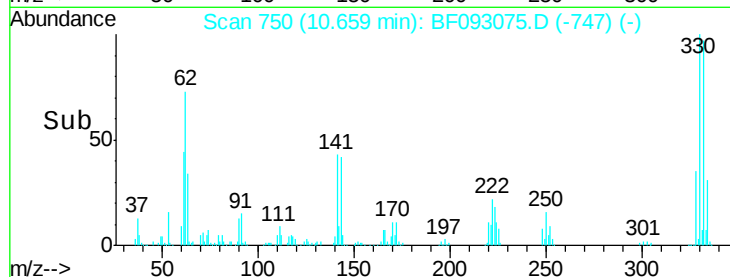
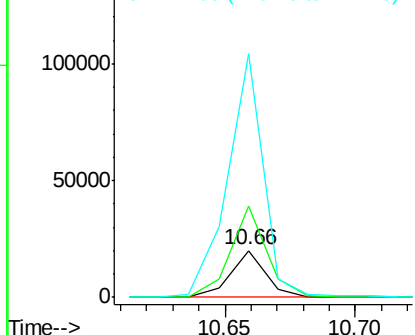
#66
 4-Bromophenyl-phenylether
 Concen: 3.47 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.26 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BL

Tgt Ion:248 Resp: 18868
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 519.3 68.2 102.4#

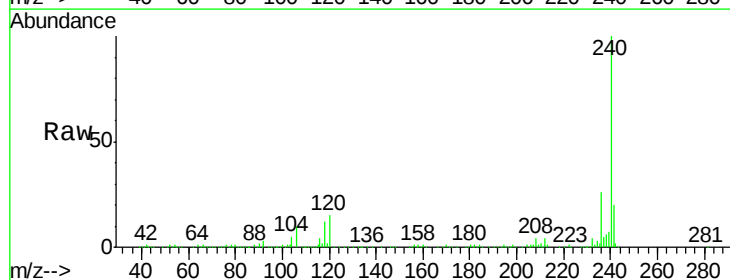


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

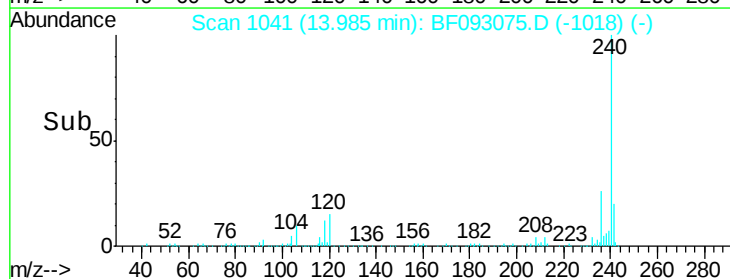
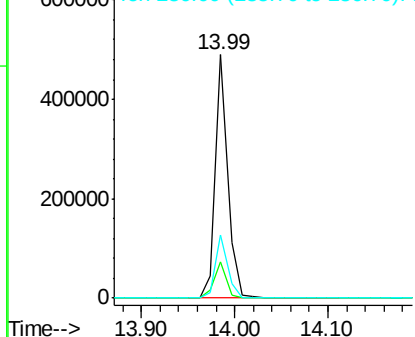


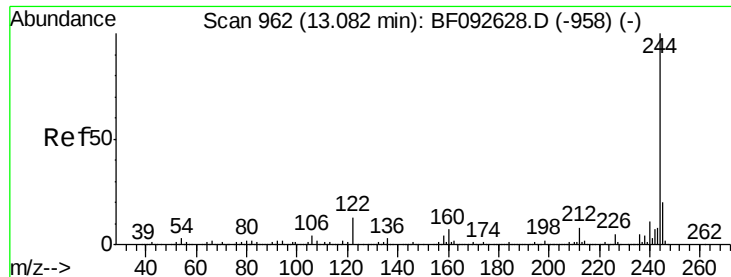
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Tgt Ion:240 Resp: 450408
 Ion Ratio Lower Upper
 240 100
 120 14.9 12.9 19.3
 236 25.7 20.9 31.3



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

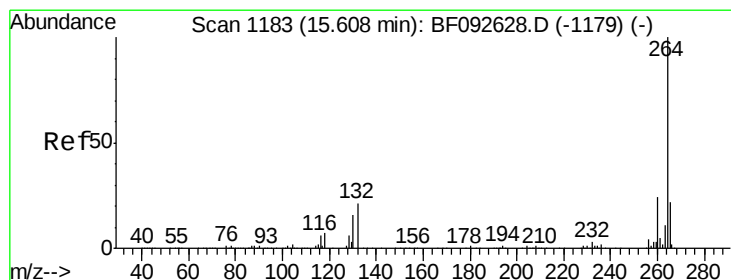
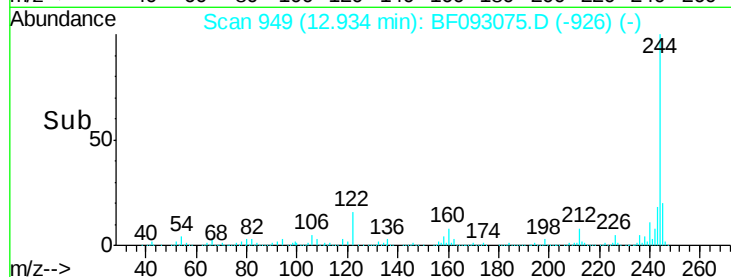
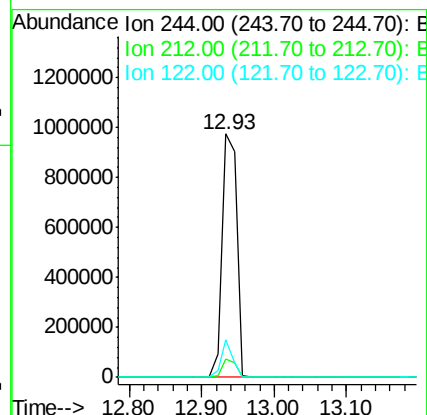
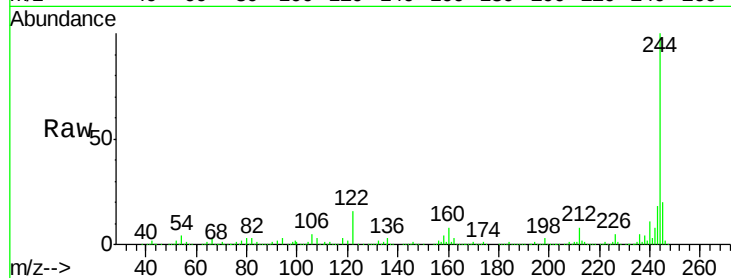




#78
 Terphenyl-d14
 Concen: 71.54 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Instrument :
 BNA_F
 ClientSampleId :
 PB97102BL

Tgt Ion:244 Resp: 1371353
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 15.6 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.03 min
 Lab File: BF093075.D
 Acq: 22 Feb 2017 15:11

Tgt Ion:264 Resp: 363571
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.8 17.4 26.0

