

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091053.D
 Acq On : 7 Nov 2016 14:04
 Operator : UM/SJ
 Sample : PB94546BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 17:38:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

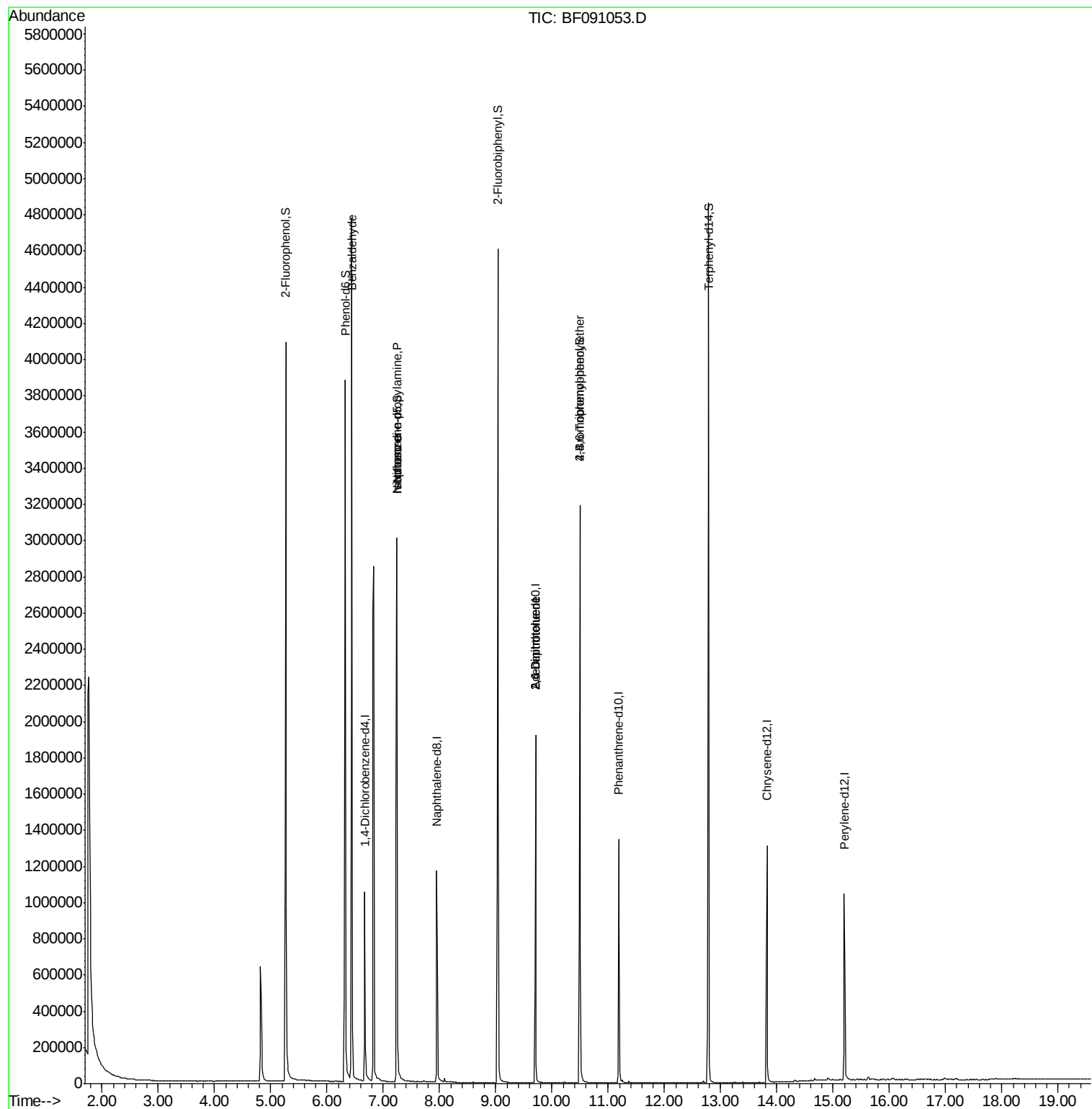
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	175125	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	724473	20.00	ng	-0.05
38) Acenaphthene-d10	9.71	164	408205	20.00	ng	-0.03
63) Phenanthrene-d10	11.18	188	642996	20.00	ng	-0.05
75) Chrysene-d12	13.83	240	568844	20.00	ng	-0.03
86) Perylene-d12	15.20	264	475935	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1293995	122.03	ng	-0.02
7) Phenol-d6	6.33	99	2009003	139.59	ng	-0.02
23) Nitrobenzene-d5	7.24	82	1251971	94.27	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	424619	115.06	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1804975	76.13	ng	-0.03
78) Terphenyl-d14	12.79	244	2041177	89.54	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.44	77	35748	4.48	ng	Qvalue 90
19) n-Nitroso-di-n-propylamine	7.24	70	173138	17.36	ng	# 76
25) Isophorone	7.24	82	1215994	47.52	ng	# 67
50) 2,6-Dinitrotoluene	9.71	165	52637	9.18	ng	# 11
56) 2,4-Dinitrotoluene	9.71	165	52640	7.21	ng	# 25
66) 4-Bromophenyl-phenylether	10.50	248	28912	4.32	ng	# 1

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

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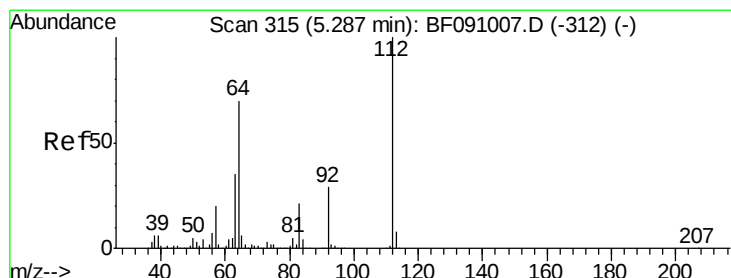
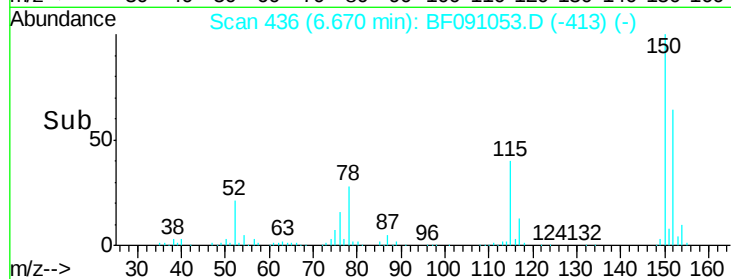
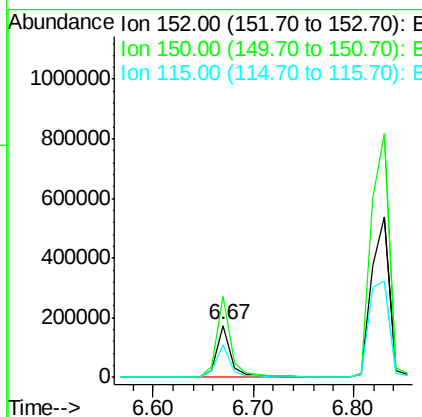
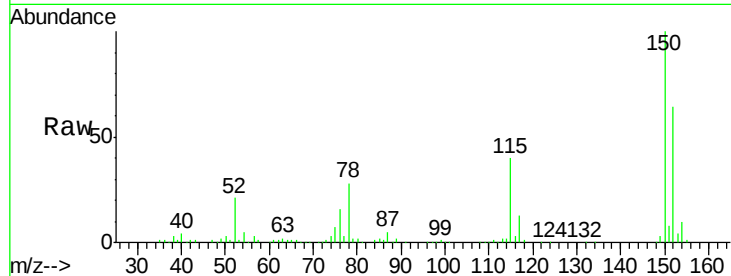




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

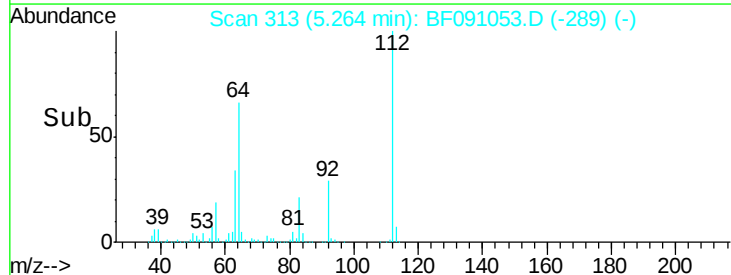
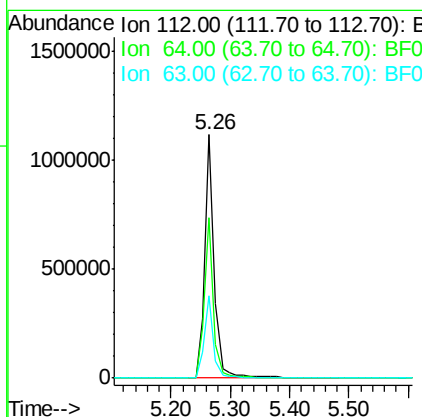
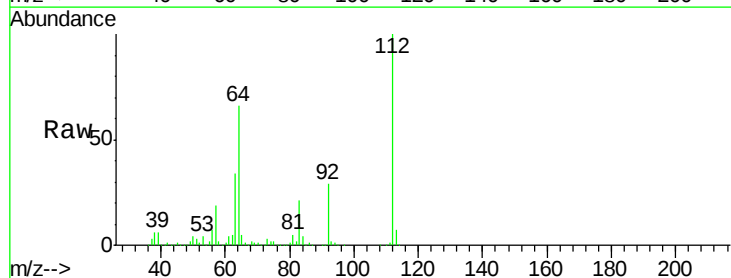
Instrument :
 BNA_F
 ClientSampled :

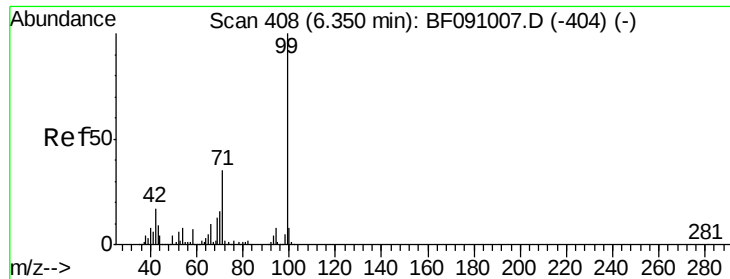
Tot Ion:152 Resp: 175125
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.8 190.2
 115 62.7 53.3 79.9



#5
 2-Fluorophenol
 Concen: 122.03 ng
 RT: 5.26 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

Tgt Ion:112 Resp: 1293995
 Ion Ratio Lower Upper
 112 100
 64 65.9 55.8 83.6
 63 33.6 28.0 42.0





#7

Phenol-d6

Concen: 139.59 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

Instrument :

BNA_F

ClientSampleId :

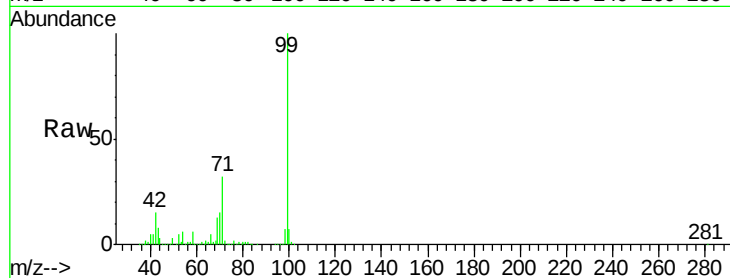
Tot Ion: 99 Resp: 2009003

Ion Ratio Lower Upper

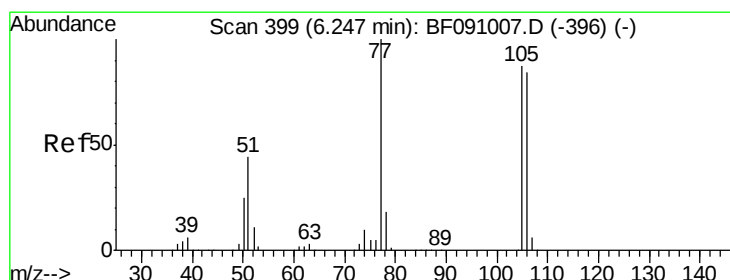
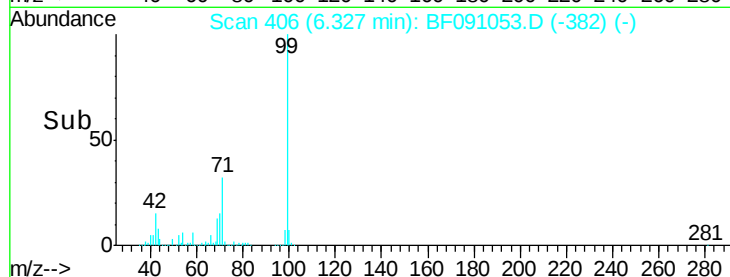
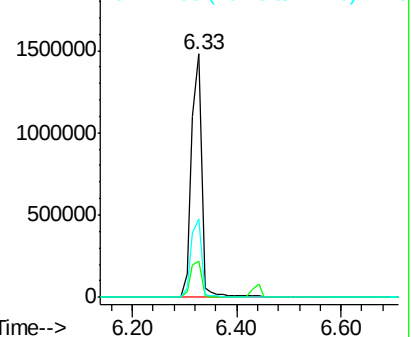
99 100

42 14.7 13.9 20.9

71 32.3 27.8 41.8



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



#9

Benzaldehyde

Concen: 4.48 ng

RT: 6.44 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

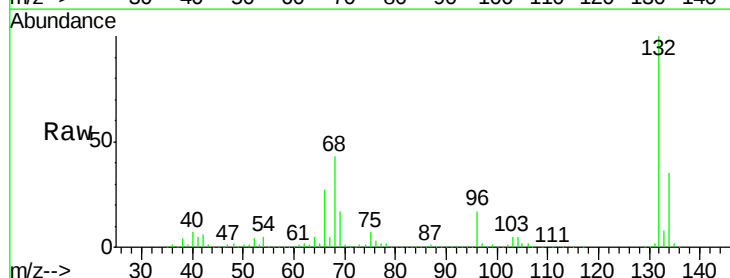
Tgt Ion: 77 Resp: 35748

Ion Ratio Lower Upper

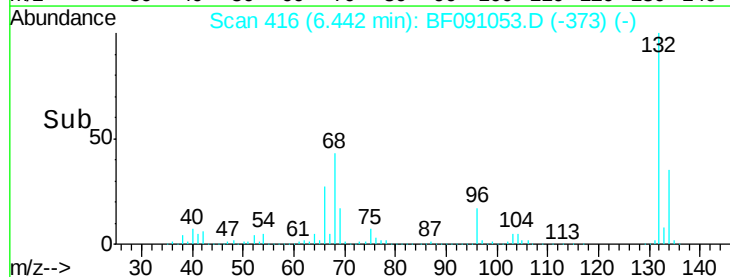
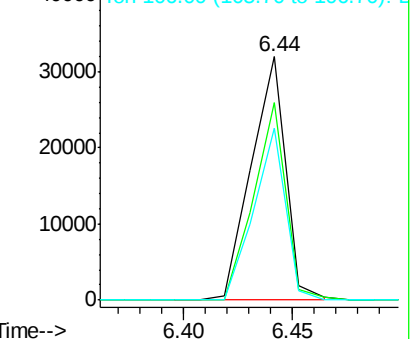
77 100

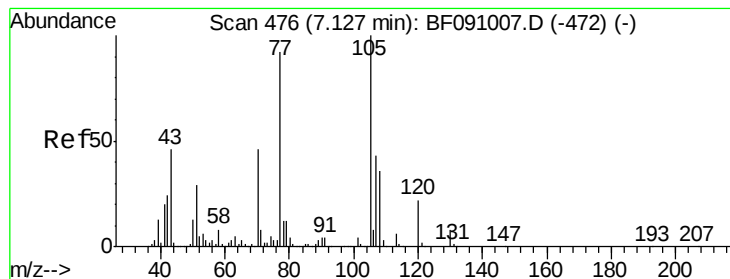
105 80.9 66.8 106.8

106 70.8 64.0 104.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.36 ng

RT: 7.24 min Scan# 486

Delta R.T. 0.11 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 173138

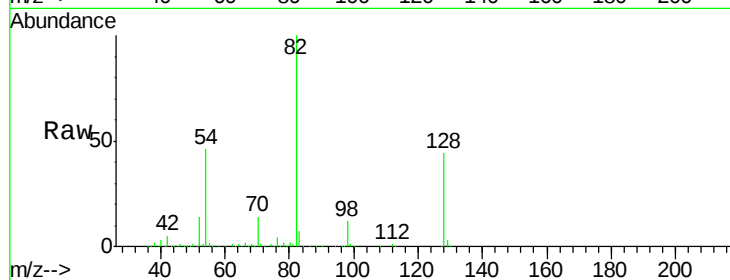
Ion Ratio Lower Upper

70 100

42 37.6 41.7 62.5#

101 0.0 6.7 10.1#

130 2.0 13.8 20.8#

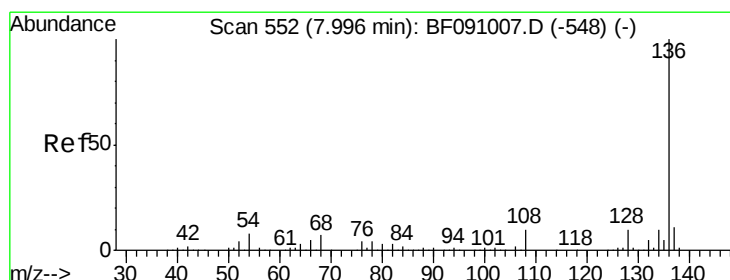
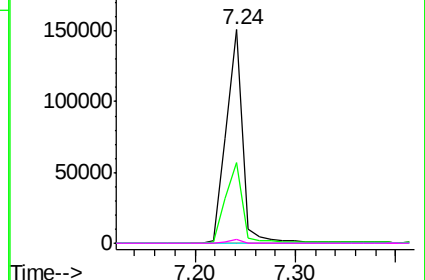
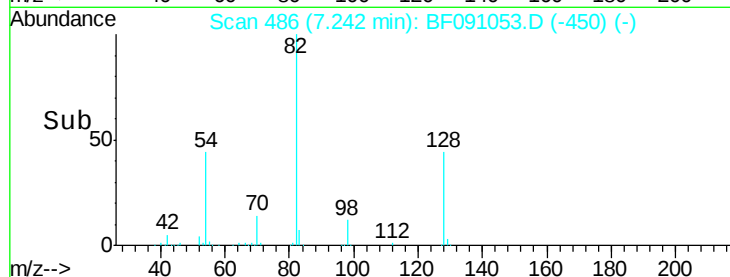


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

Tgt Ion: 136 Resp: 724473

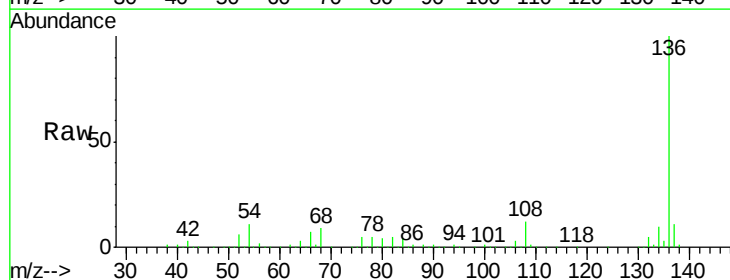
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 11.5 6.2 9.2#

68 9.2 5.5 8.3#

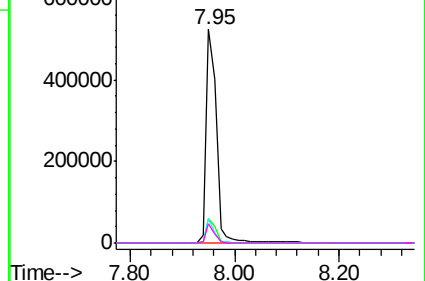
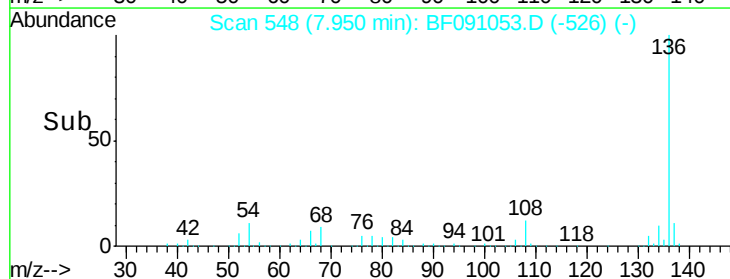


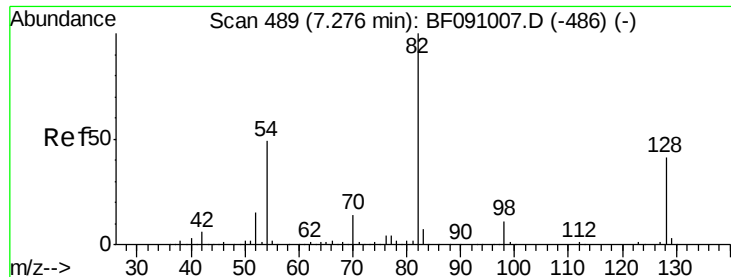
Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.27 ng

RT: 7.24 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

Instrument :

BNA_F

ClientSampleId :

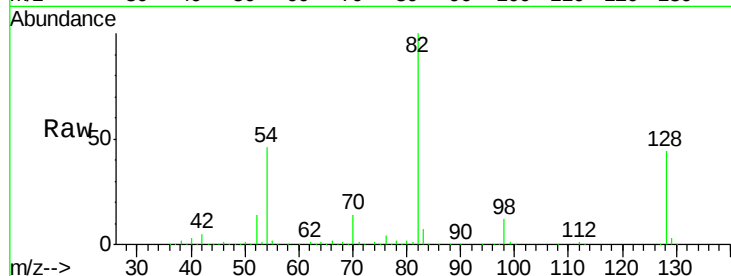
Tot Ion: 82 Resp: 1251971

Ion Ratio Lower Upper

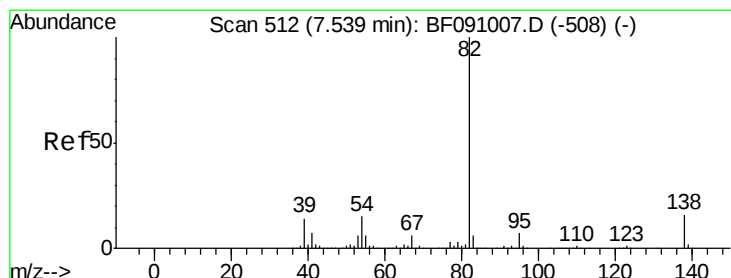
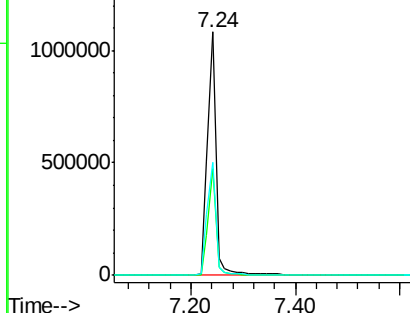
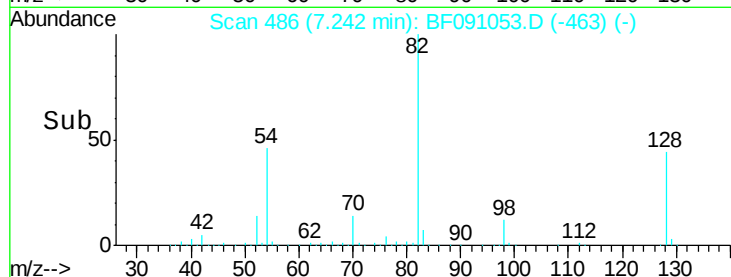
82 100

128 43.7 32.4 48.6

54 46.5 39.2 58.8



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: 47.52 ng

RT: 7.24 min Scan# 486

Delta R.T. -0.30 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

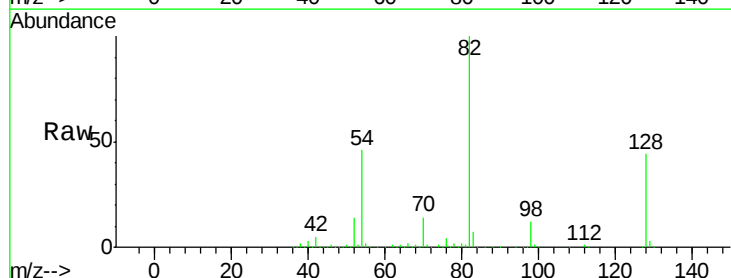
Tgt Ion: 82 Resp: 1215994

Ion Ratio Lower Upper

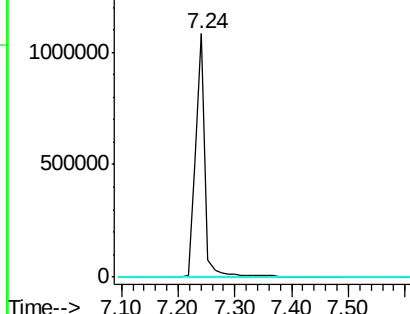
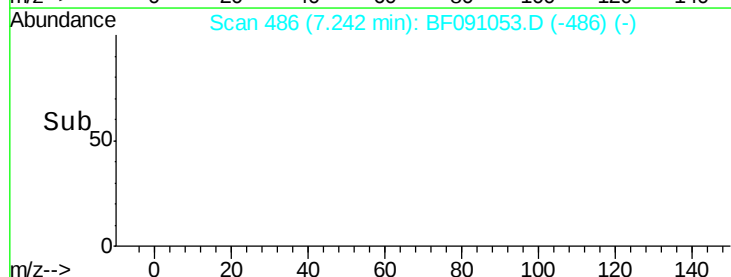
82 100

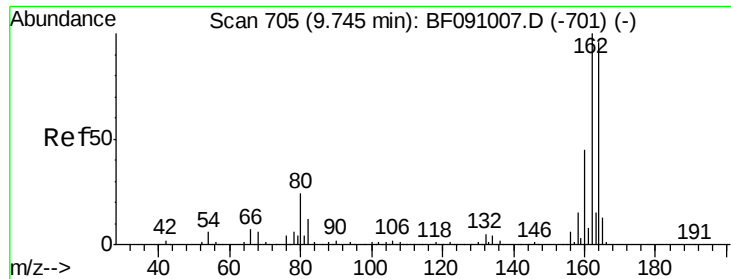
95 0.0 5.4 8.0#

138 0.0 13.0 19.4#



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

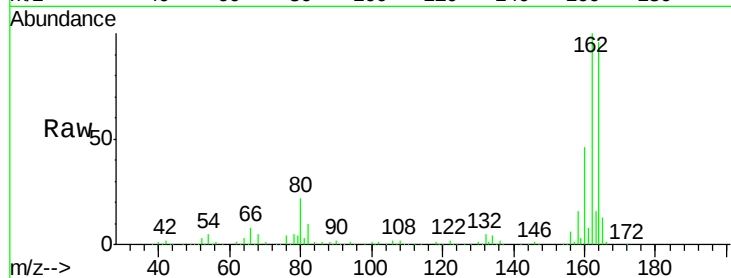




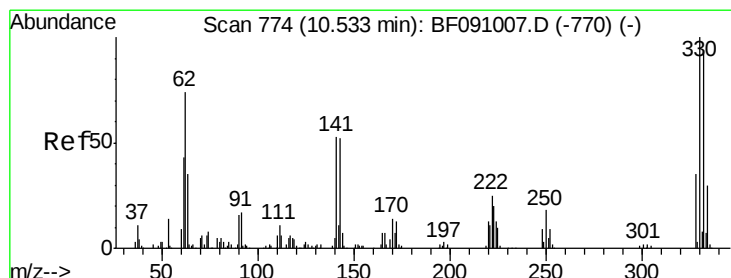
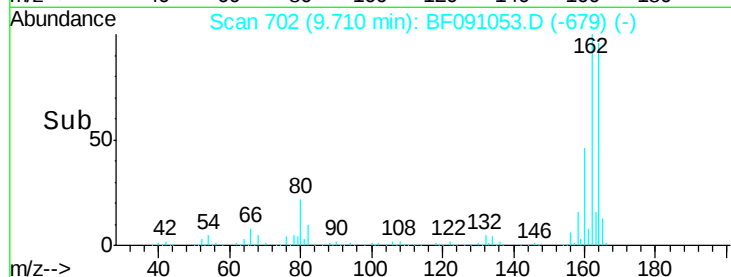
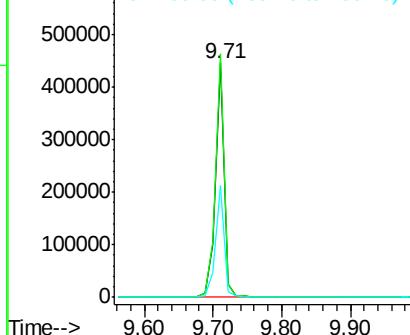
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF091053.D
Acq: 7 Nov 2016 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 408205
Ion Ratio Lower Upper
164 100
162 103.9 83.6 125.4
160 47.5 37.9 56.9

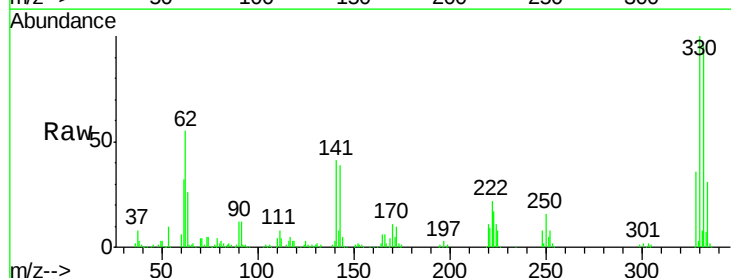


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

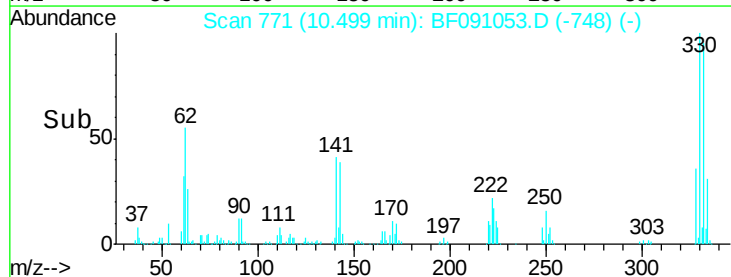
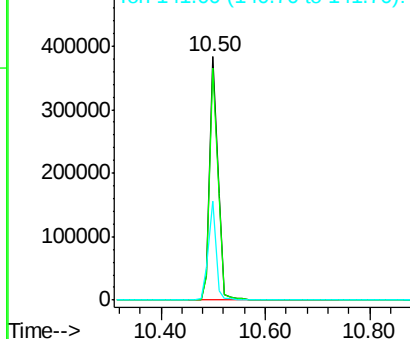


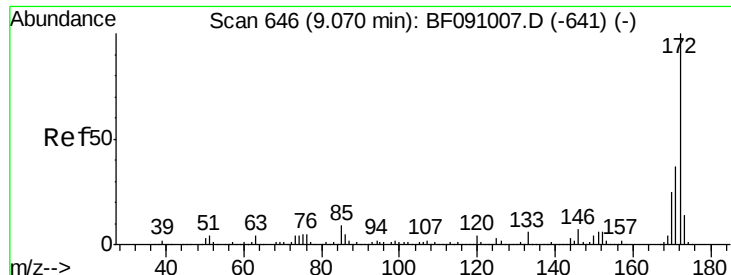
#41
2,4,6-Tribromophenol
Concen: 115.06 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF091053.D
Acq: 7 Nov 2016 14:04

Tgt Ion:330 Resp: 424619
Ion Ratio Lower Upper
330 100
332 95.5 75.9 113.9
141 37.8 36.1 54.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

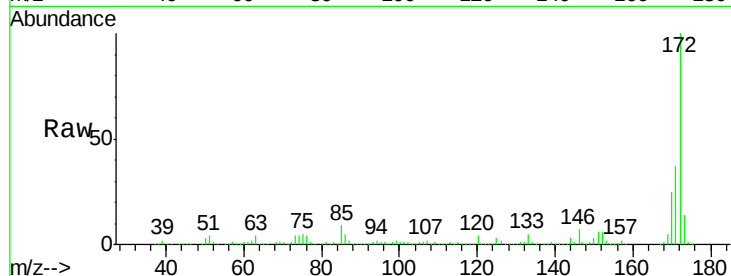




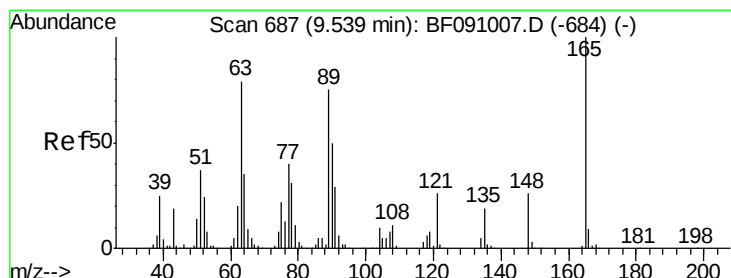
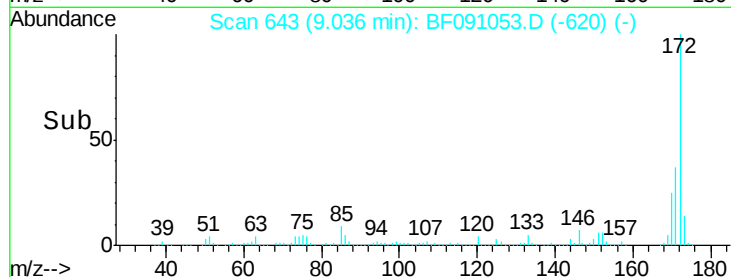
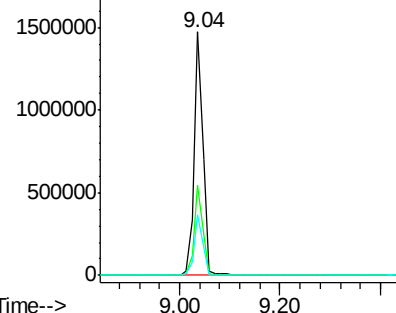
#44
2-Fluorobiphenyl
Concen: 76.13 ng
RT: 9.04 min Scan# 643
Delta R.T. -0.03 min
Lab File: BF091053.D
Acq: 7 Nov 2016 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1804975
Ion Ratio Lower Upper
172 100
171 36.9 29.8 44.6
170 25.1 20.3 30.5

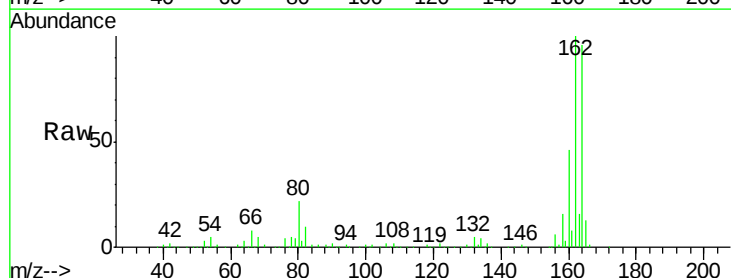


Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

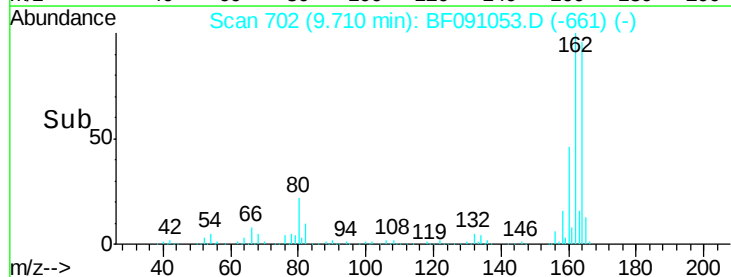
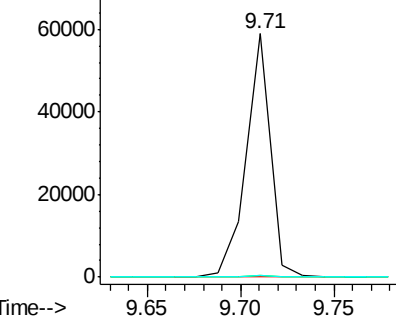


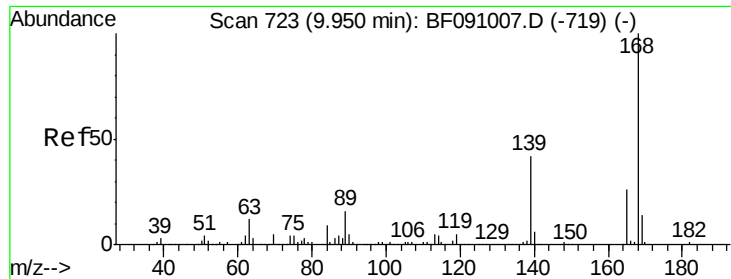
#50
2,6-Dinitrotoluene
Concen: 9.18 ng
RT: 9.71 min Scan# 702
Delta R.T. 0.17 min
Lab File: BF091053.D
Acq: 7 Nov 2016 14:04

Tgt Ion:165 Resp: 52637
Ion Ratio Lower Upper
165 100
63 0.7 65.6 98.4#
89 0.9 59.8 89.6#



Abundance Ion 165.00 (164.70 to 165.70): E
80000
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

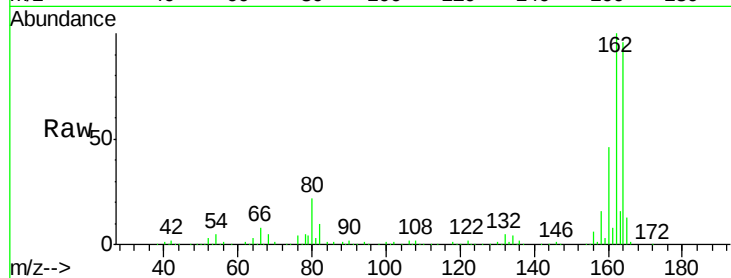




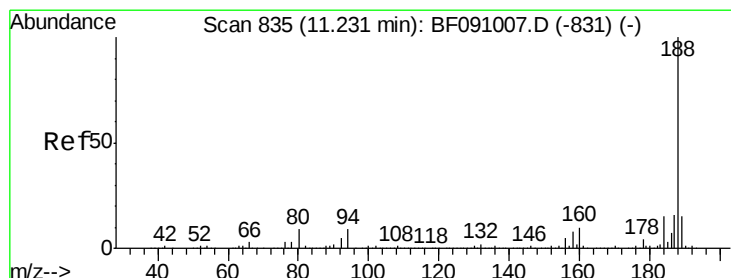
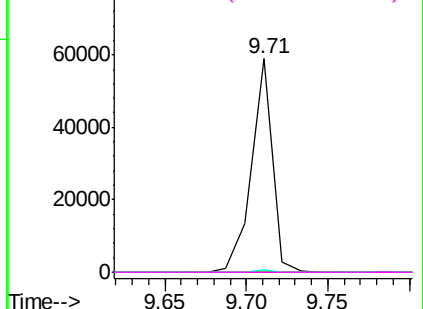
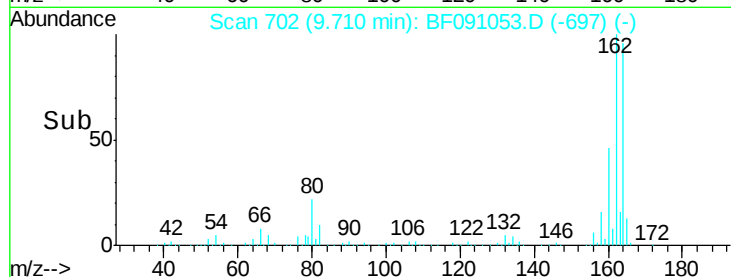
#56
 2,4-Dinitrotoluene
 Concen: 7.21 ng
 RT: 9.71 min Scan# 702
 Delta R.T. -0.24 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 52640
 Ion Ratio Lower Upper
 165 100
 63 0.7 38.7 58.1#
 89 0.9 50.6 76.0#
 182 0.0 1.8 2.8#

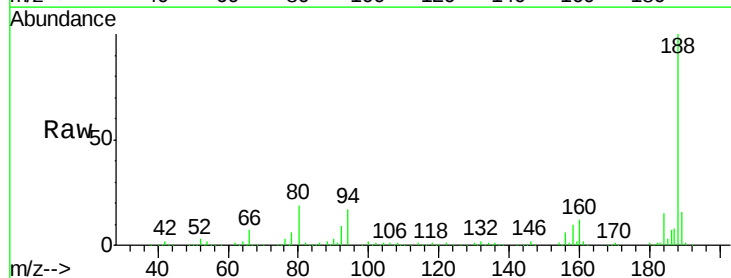


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

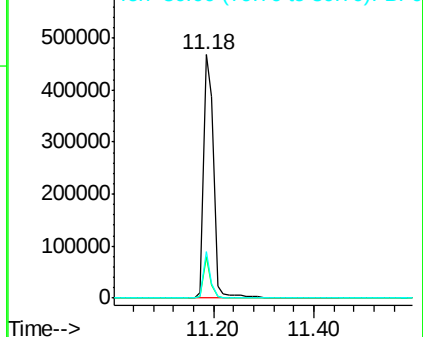
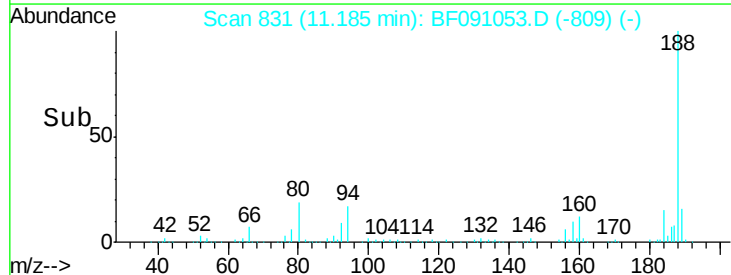


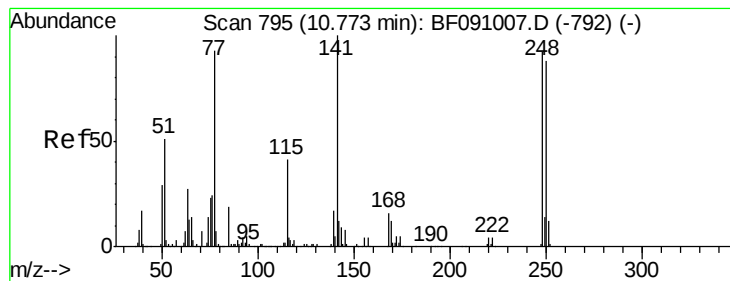
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 831
 Delta R.T. -0.05 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

Tgt Ion:188 Resp: 642996
 Ion Ratio Lower Upper
 188 100
 94 16.9 7.0 10.4#
 80 19.2 7.5 11.3#



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: 4.32 ng

RT: 10.50 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

Instrument :

BNA_F

ClientSampleId :

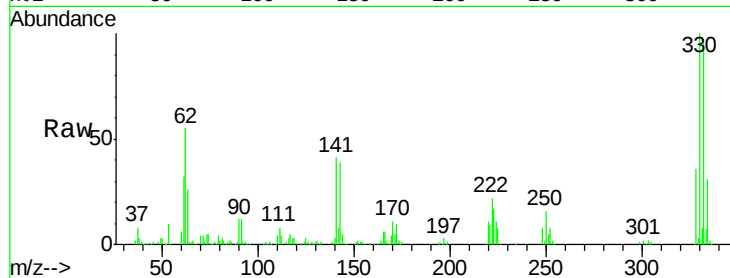
Tot Ion:248 Resp: 28912

Ion Ratio Lower Upper

248 100

250 202.0 76.3 114.5#

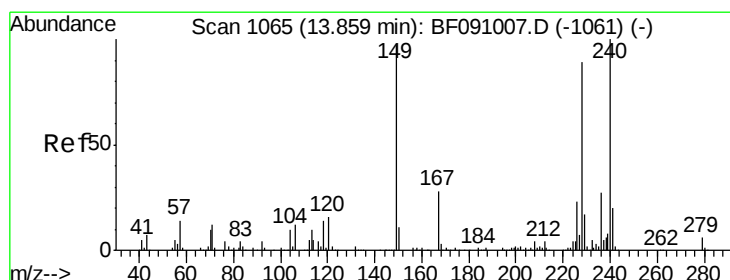
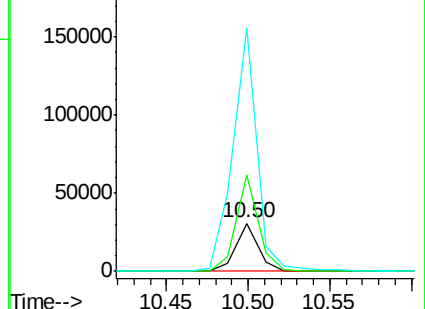
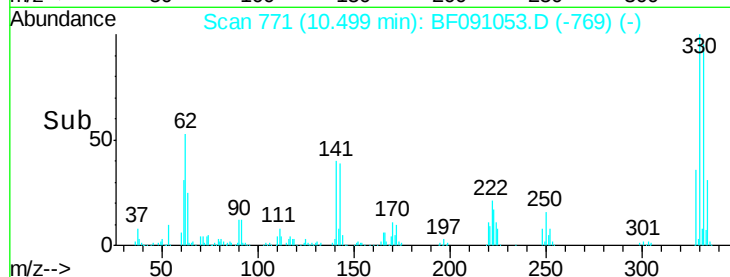
141 507.3 86.8 130.2#



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: 13.83 min Scan# 1062

Delta R.T. -0.03 min

Lab File: BF091053.D

Acq: 7 Nov 2016 14:04

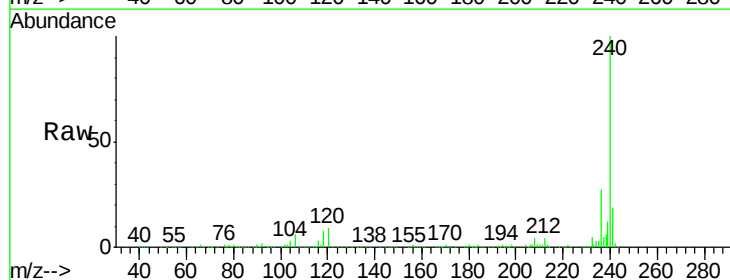
Tgt Ion:240 Resp: 568844

Ion Ratio Lower Upper

240 100

120 8.9 12.9 19.3#

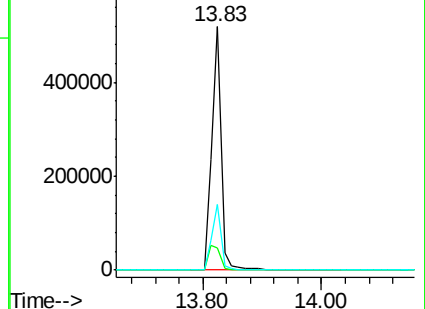
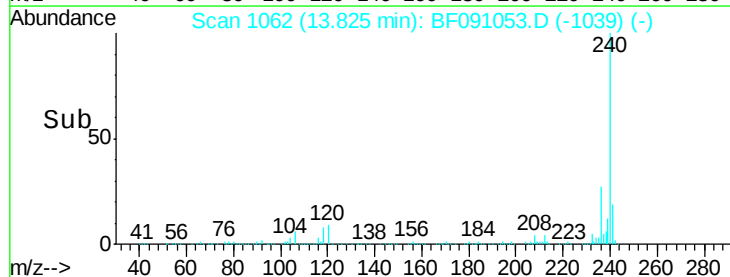
236 27.1 21.9 32.9

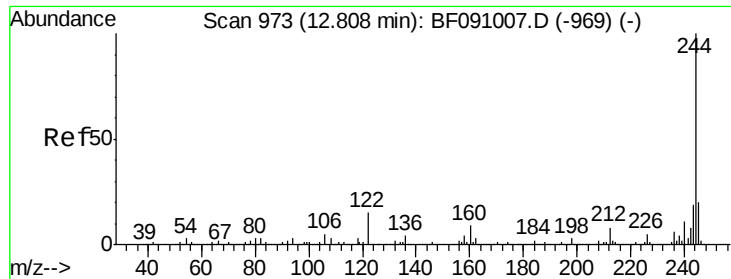


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

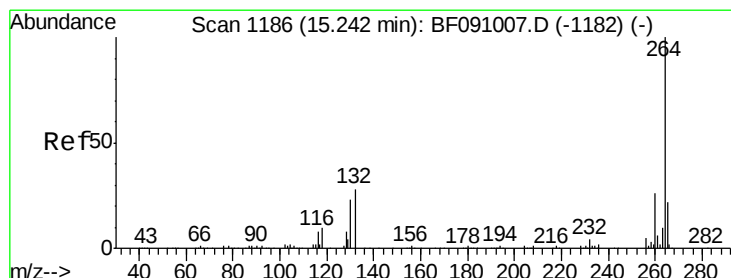
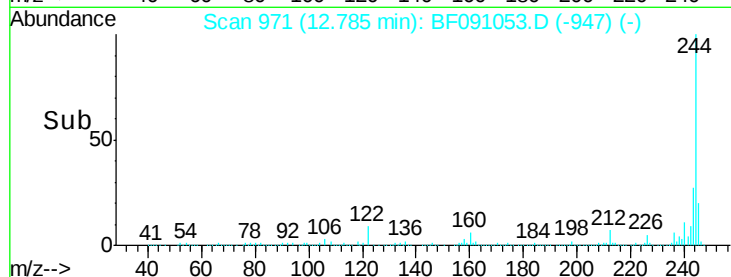
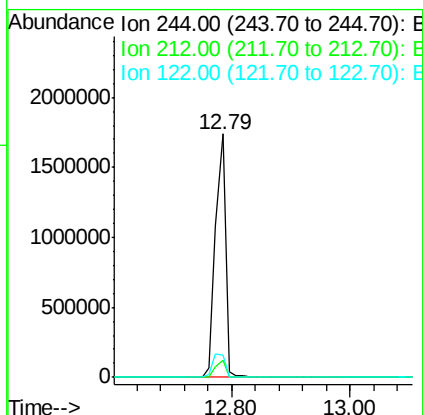
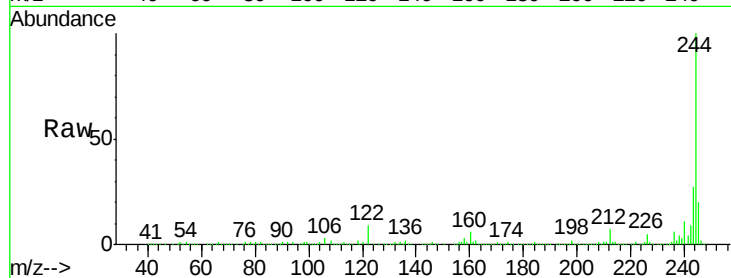




#78
 Terphenyl-d14
 Concen: 89.54 ng
 RT: 12.79 min Scan# 971
 Delta R.T. -0.02 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2041177
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.4 9.6
 122 9.0 12.3 18.5#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1182
 Delta R.T. -0.05 min
 Lab File: BF091053.D
 Acq: 7 Nov 2016 14:04

Tgt Ion:264 Resp: 475935
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.6 30.8
 265 22.3 17.8 26.8

