

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013117\
 Data File : BF092700.D
 Acq On : 1 Feb 2017 00:03
 Operator : SJ/MA
 Sample : I1596-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-05

Quant Time: Feb 01 00:30:53 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

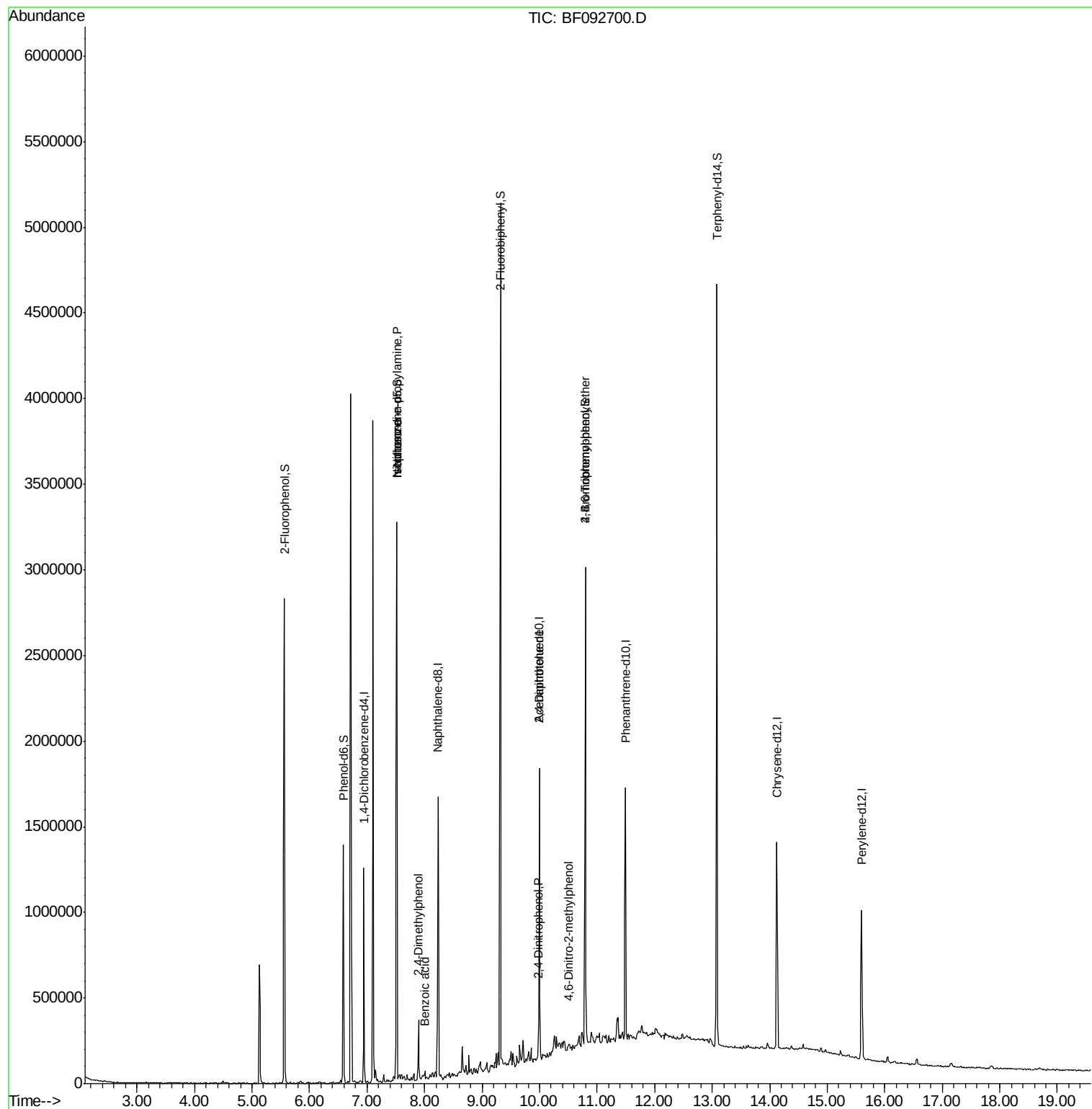
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	172714	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	688720	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	356884	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	627955	20.00	ng	0.00
75) Chrysene-d12	14.12	240	496483	20.00	ng	-0.02
86) Perylene-d12	15.60	264	402739	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	810492	80.51	ng	-0.01
7) Phenol-d6	6.59	99	698760	53.95	ng	-0.01
23) Nitrobenzene-d5	7.52	82	1183501	95.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	339785	131.64	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1930054	97.98	ng	-0.01
78) Terphenyl-d14	13.08	244	1642025	77.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	160711	19.49	ng	# 81
25) Isophorone	7.52	82	1133866	49.20	ng	# 65
27) 2,4-Dimethylphenol	7.89	122	65551	6.18	ng	95
32) Benzoic acid	8.01	122	7867	8.28	ng	# 27
53) 2,4-Dinitrophenol	9.98	184	270	4.83	ng	# 1
56) 2,4-Dinitrotoluene	10.00	165	47097	6.81	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.50	198	229	2.73	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	25890	3.95	ng	# 1

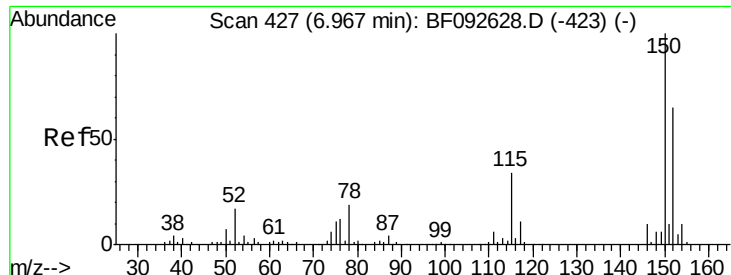
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 30 14:50:05 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

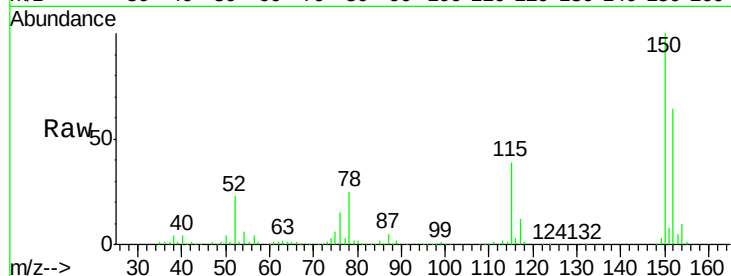
Tgt Ion:152 Resp: 172714

Ion Ratio Lower Upper

152 100

150 156.5 124.9 187.3

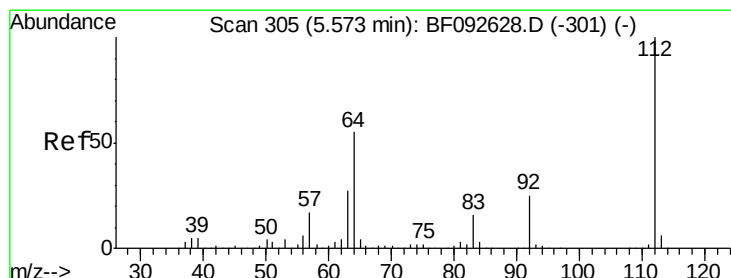
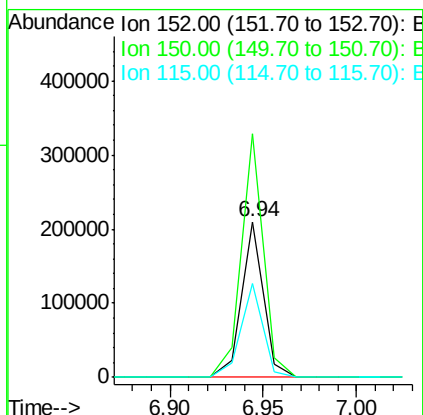
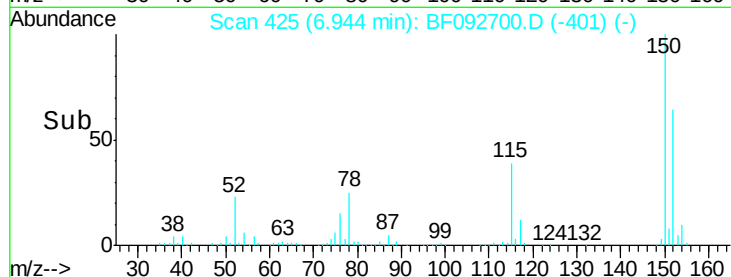
115 60.3 46.0 69.0



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: 80.51 ng

RT: 5.56 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

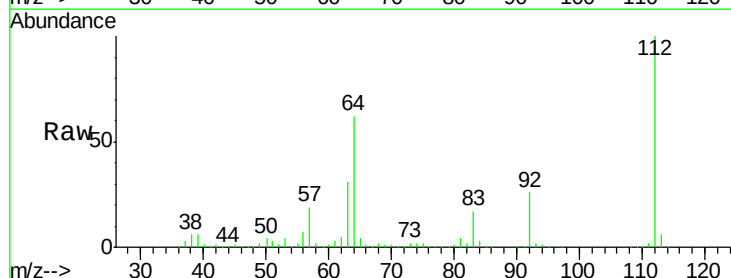
Tgt Ion:112 Resp: 810492

Ion Ratio Lower Upper

112 100

64 61.8 46.1 69.1

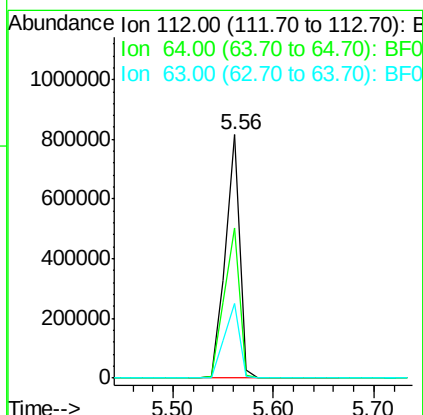
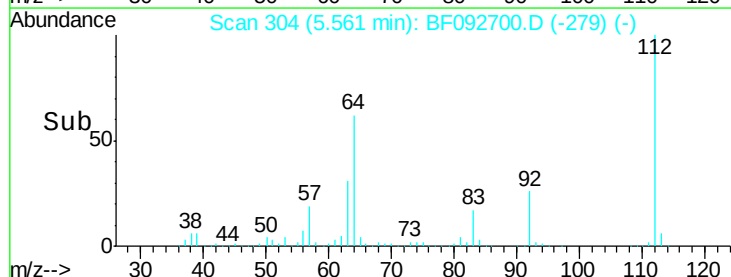
63 30.7 23.8 35.6

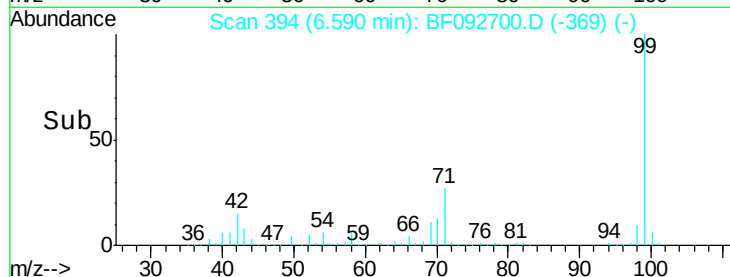
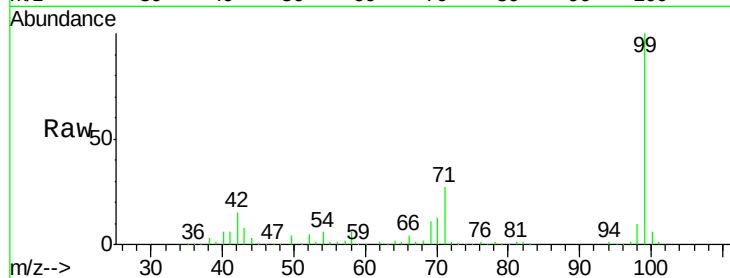
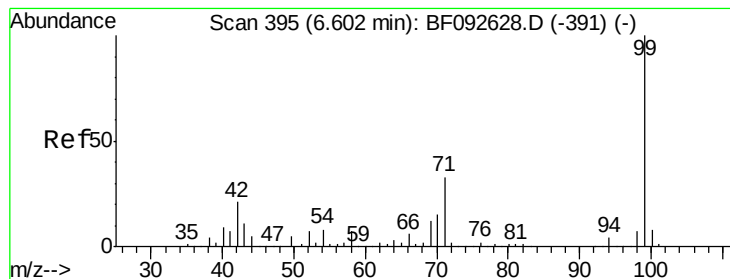


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 53.95 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

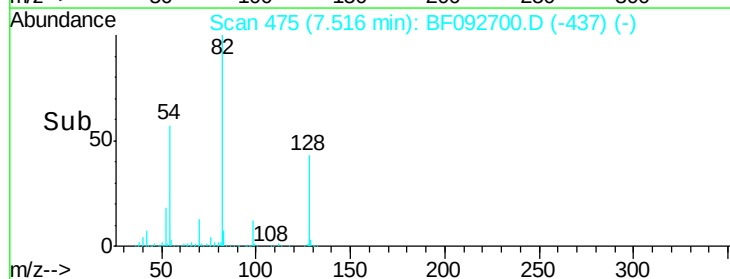
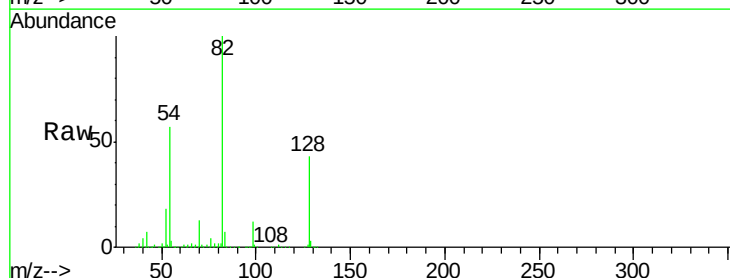
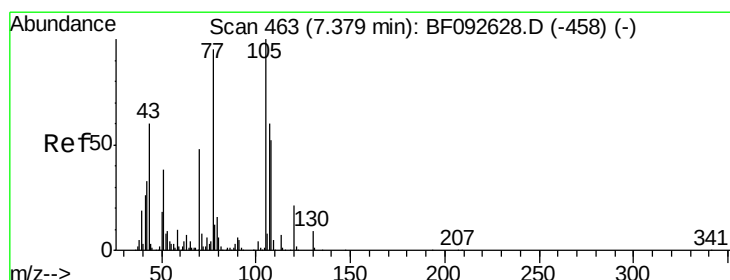
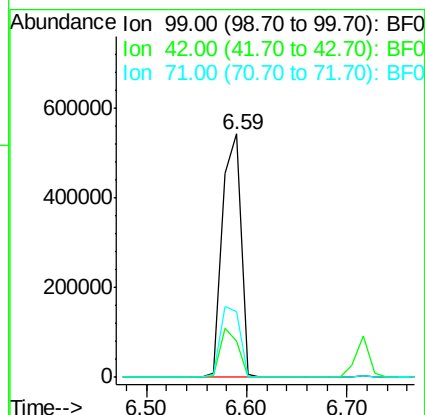
Tgt Ion: 99 Resp: 698760

Ion Ratio Lower Upper

99 100

42 14.8 15.6 23.4#

71 26.9 27.5 41.3#



#19

n-Nitroso-di-n-propylamine

Concen: 19.49 ng

RT: 7.52 min Scan# 475

Delta R.T. 0.14 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Tgt Ion: 70 Resp: 160711

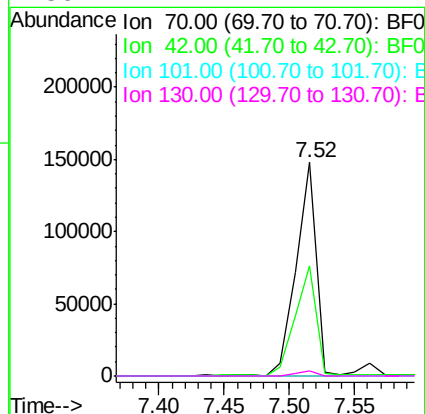
Ion Ratio Lower Upper

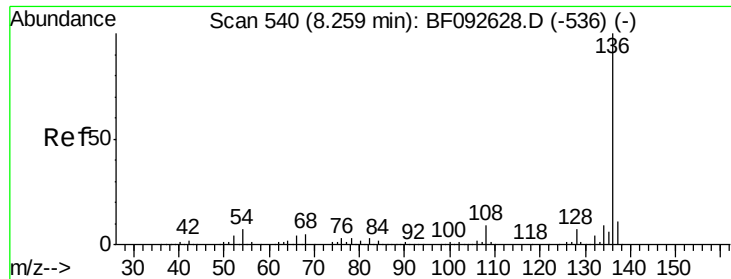
70 100

42 51.6 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

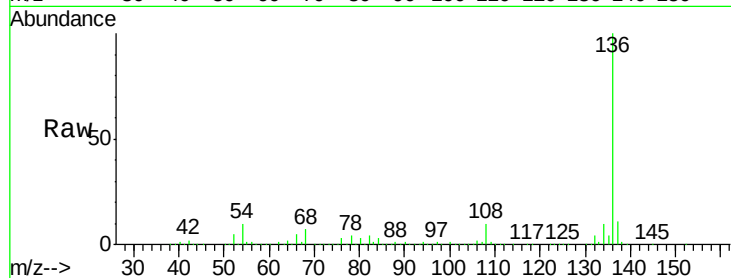




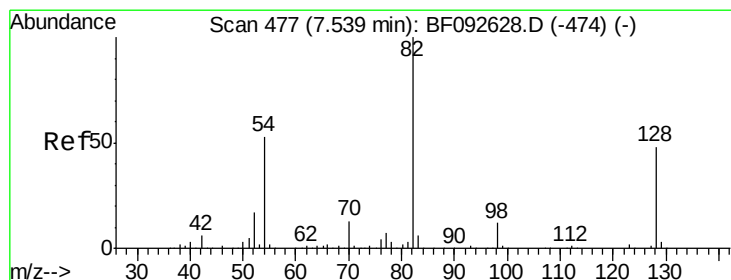
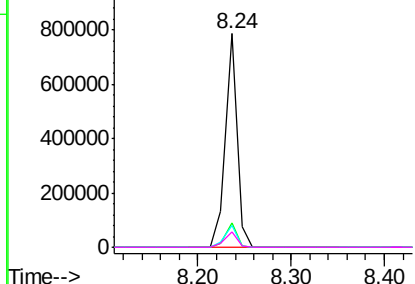
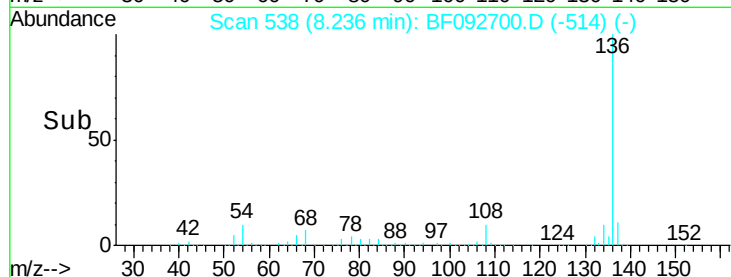
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF092700.D
Acq: 1 Feb 2017 00:03

Instrument :
BNA_F
ClientSampleId :
MW-05

Tgt Ion:	136	Resp:	688720
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	10.2	4.5	6.7#
68	7.3	3.6	5.4#

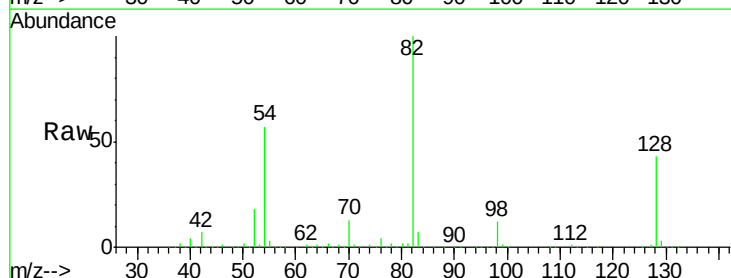


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

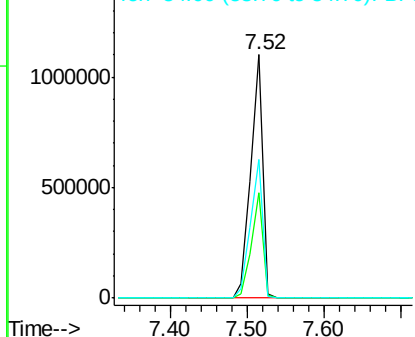
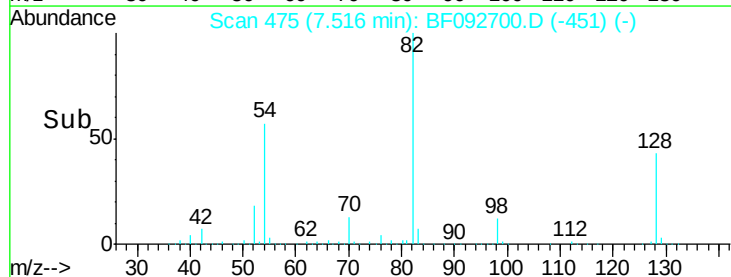


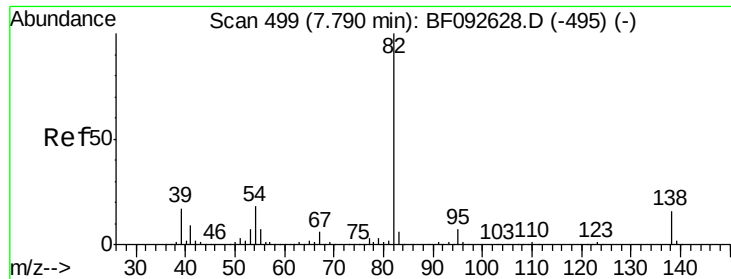
#23
Nitrobenzene-d5
Concen: 95.69 ng
RT: 7.52 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF092700.D
Acq: 1 Feb 2017 00:03

Tgt Ion:	82	Resp:	1183501
Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.6	52.0
54	57.1	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





#25

Isophorone

Concen: 49.20 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.27 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampled :

MW-05

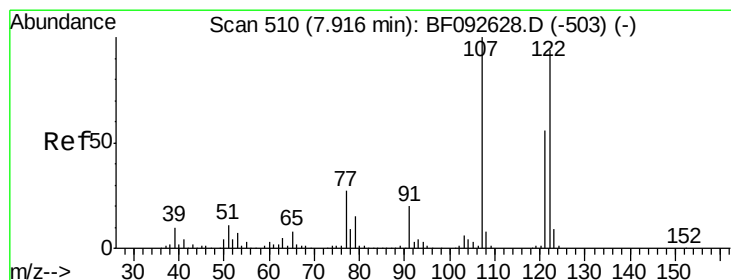
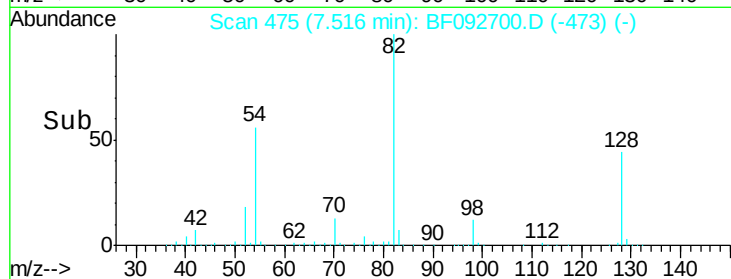
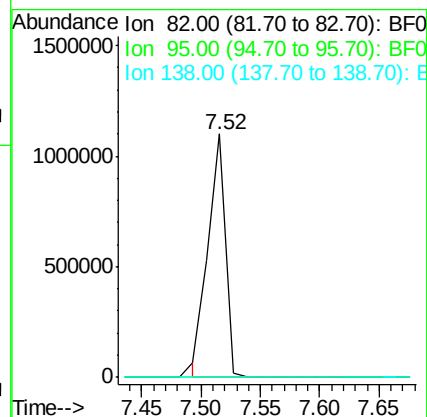
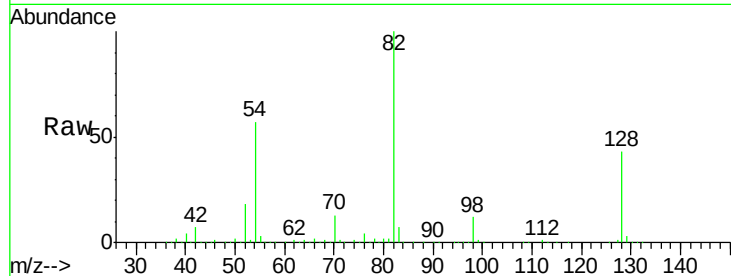
Tgt Ion: 82 Resp: 1133866

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 6.18 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

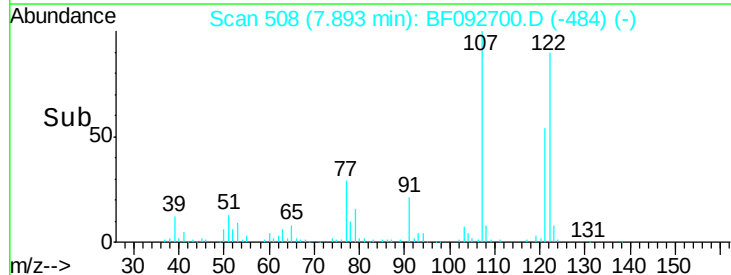
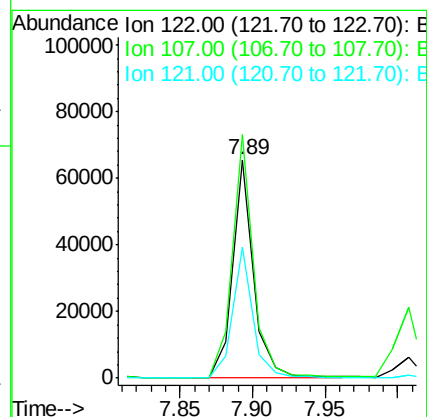
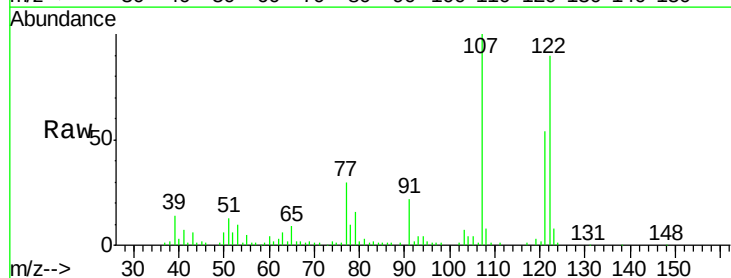
Tgt Ion: 122 Resp: 65551

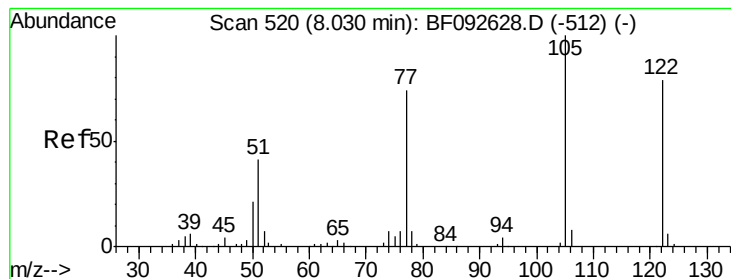
Ion Ratio Lower Upper

122 100

107 111.5 94.1 141.1

121 59.8 46.0 69.0





#32

Benzoic acid

Concen: 8.28 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

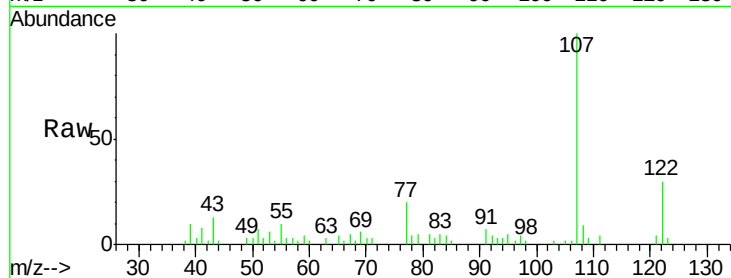
Tgt Ion:122 Resp: 7867

Ion Ratio Lower Upper

122 100

105 5.2 107.2 147.2#

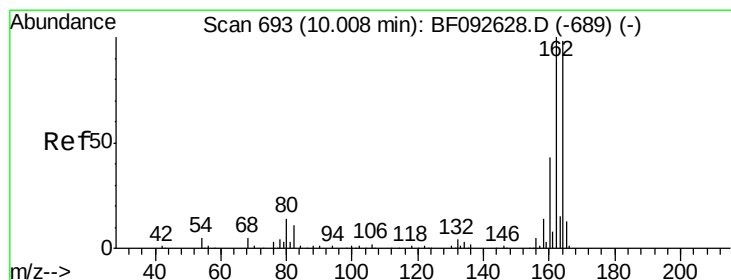
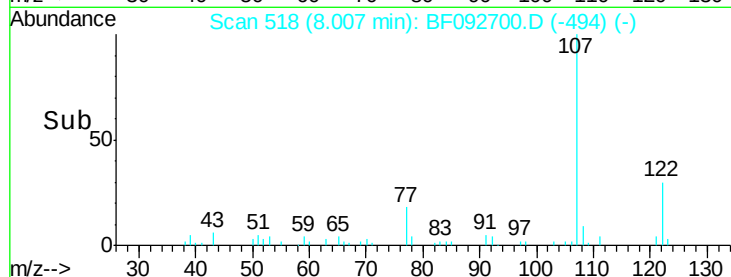
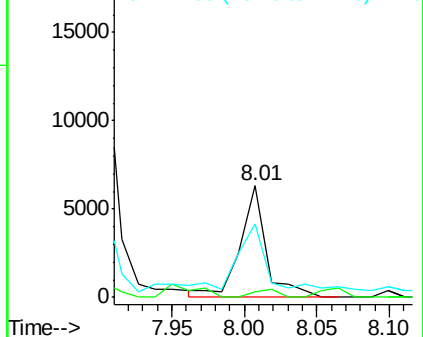
77 65.8 74.5 114.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

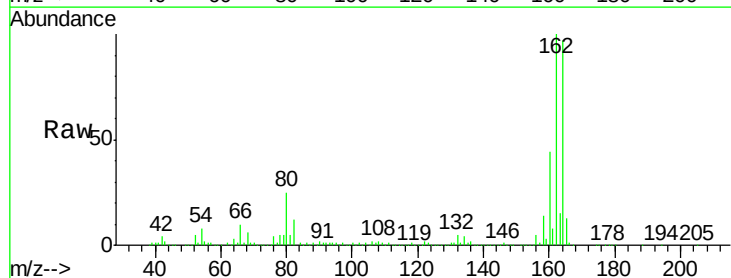
Tgt Ion:164 Resp: 356884

Ion Ratio Lower Upper

164 100

162 102.6 80.2 120.2

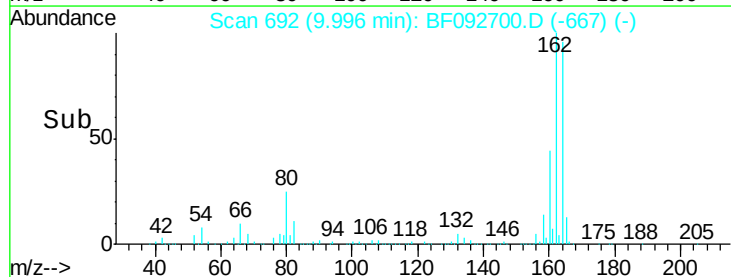
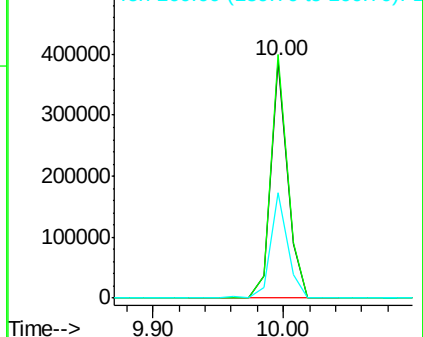
160 44.6 36.9 55.3

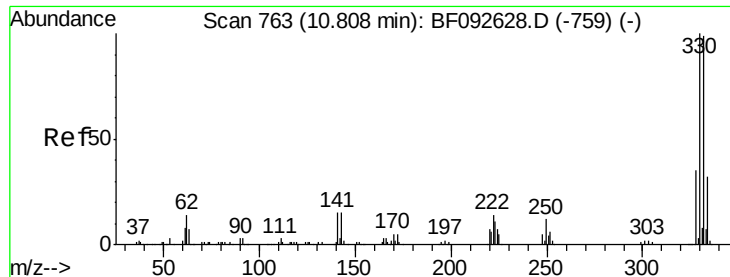


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

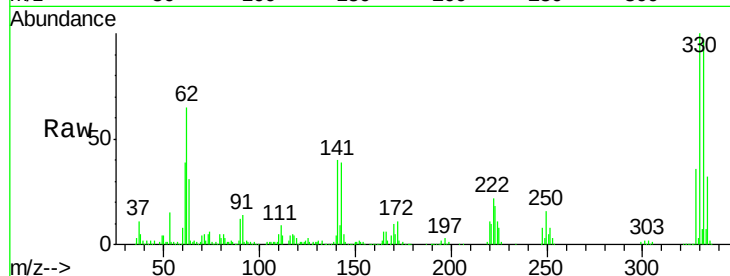




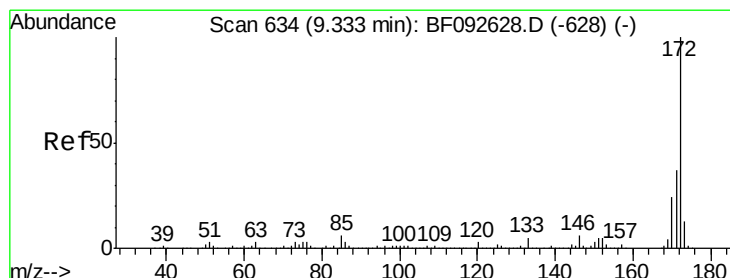
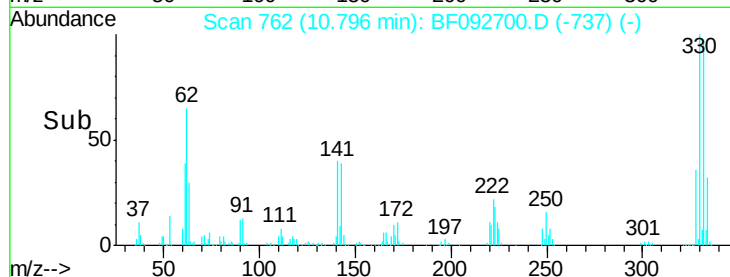
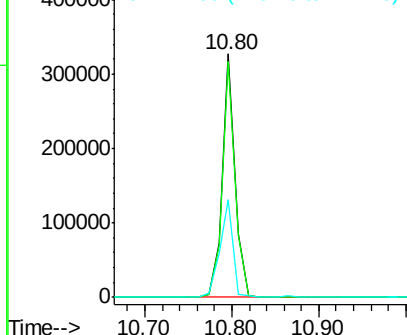
#41
 2,4,6-Tribromophenol
 Concen: 131.64 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: BF092700.D
 Acq: 1 Feb 2017 00:03

Instrument :
 BNA_F
 ClientSampled :
 MW-05

Tgt Ion:330 Resp: 339785
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 40.7 34.1 51.1

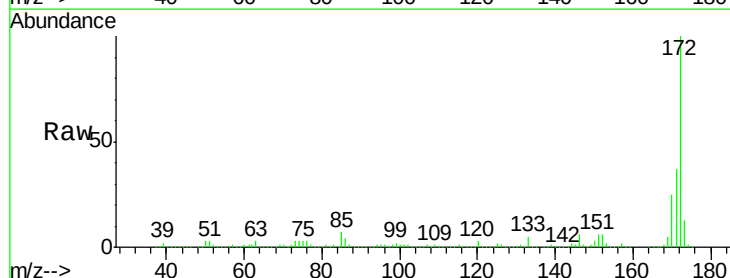


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

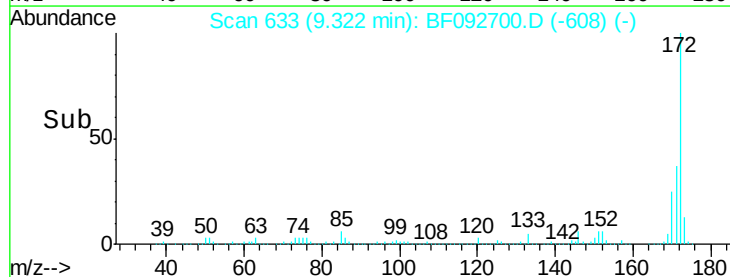
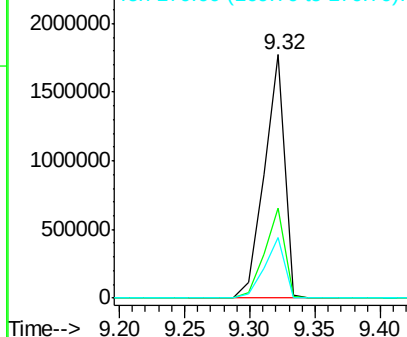


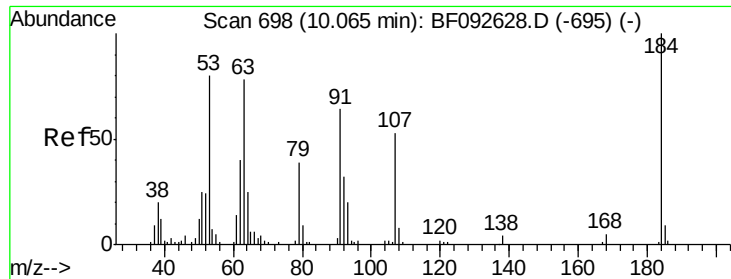
#44
 2-Fluorobiphenyl
 Concen: 97.98 ng
 RT: 9.32 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF092700.D
 Acq: 1 Feb 2017 00:03

Tgt Ion:172 Resp: 1930054
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.7 20.2 30.4



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

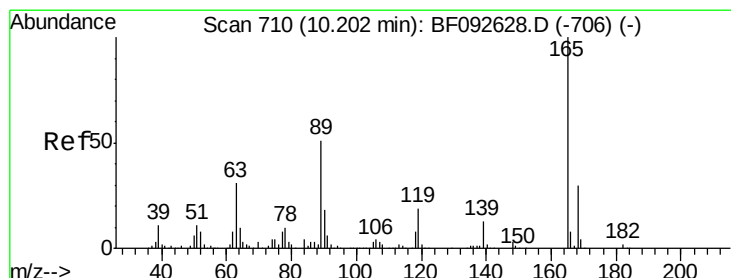
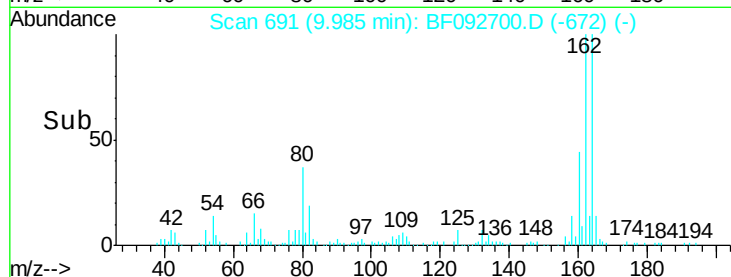
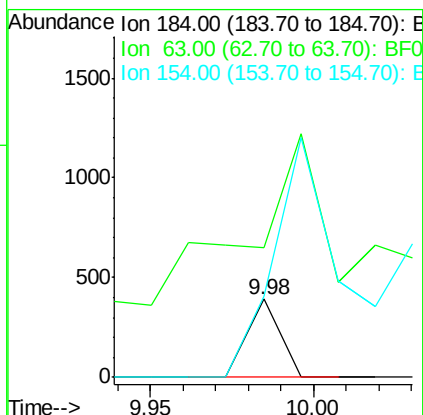
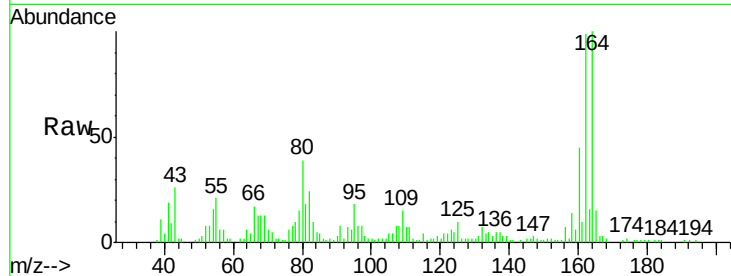




#53
 2,4-Dinitrophenol
 Concen: 4.83 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.08 min
 Lab File: BF092700.D
 Acq: 1 Feb 2017 00:03

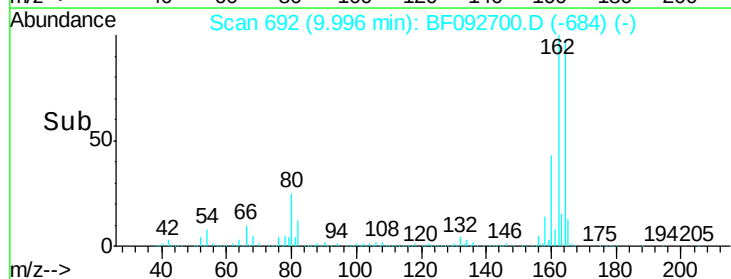
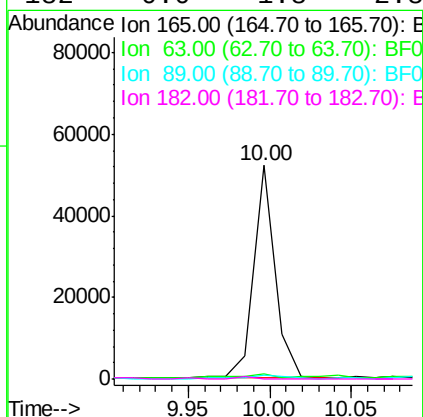
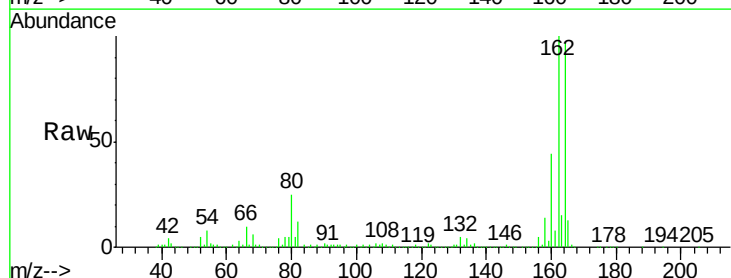
Instrument :
 BNA_F
 ClientSampled :
 MW-05

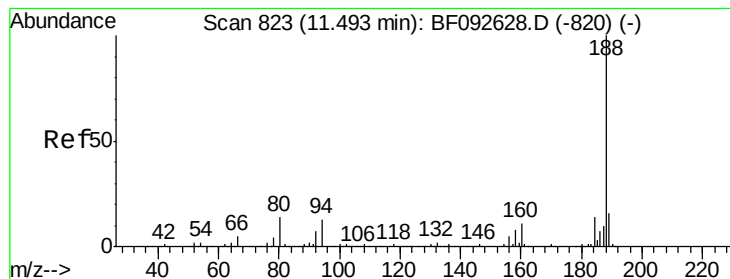
Tgt Ion:184 Resp: 270
 Ion Ratio Lower Upper
 184 100
 63 164.6 28.4 42.6#
 154 104.1 44.3 66.5#



#56
 2,4-Dinitrotoluene
 Concen: 6.81 ng
 RT: 10.00 min Scan# 692
 Delta R.T. -0.21 min
 Lab File: BF092700.D
 Acq: 1 Feb 2017 00:03

Tgt Ion:165 Resp: 47097
 Ion Ratio Lower Upper
 165 100
 63 2.3 40.2 60.4#
 89 1.7 62.5 93.7#
 182 0.0 1.8 2.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

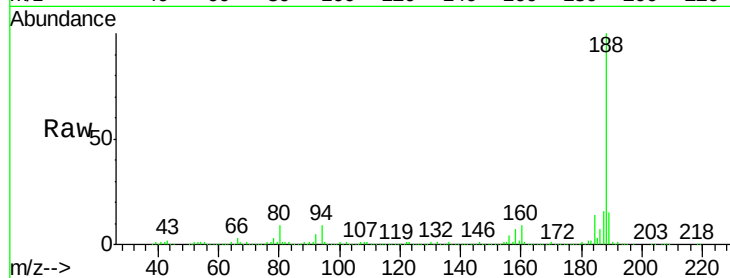
Tgt Ion:188 Resp: 627955

Ion Ratio Lower Upper

188 100

94 8.6 10.0 15.0#

80 8.7 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

11.49

800000

600000

400000

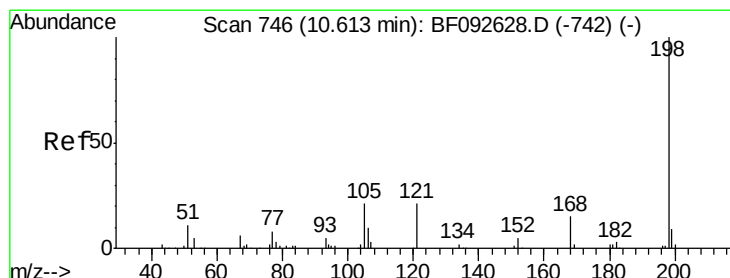
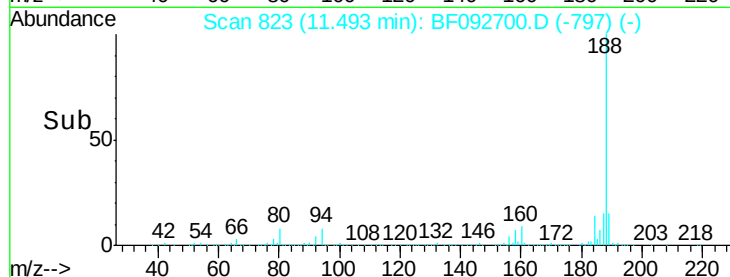
200000

0

11.40

11.50

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 2.73 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.11 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

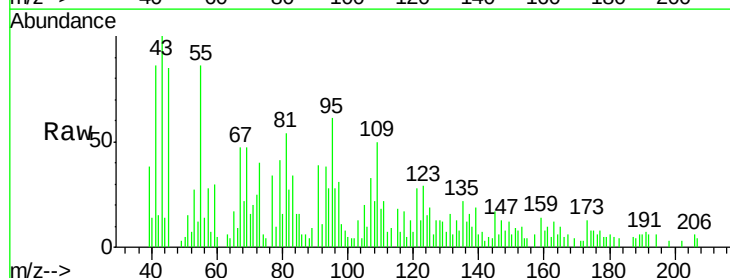
Tgt Ion:198 Resp: 229

Ion Ratio Lower Upper

198 100

51 427.5 6.7 46.7#

105 577.5 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

3000

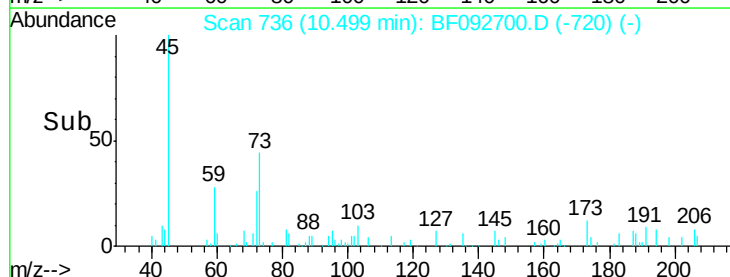
2000

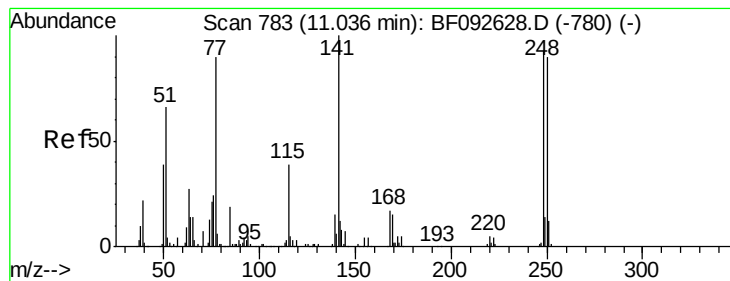
1000

0

10.50

Time-->





#66

4-Bromophenyl-phenylether

Concen: 3.95 ng

RT: 10.80 min Scan# 762

Delta R.T. -0.24 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

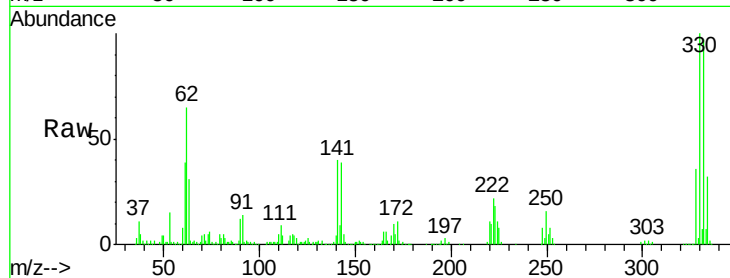
Tgt Ion:248 Resp: 25890

Ion Ratio Lower Upper

248 100

250 197.5 76.9 115.3#

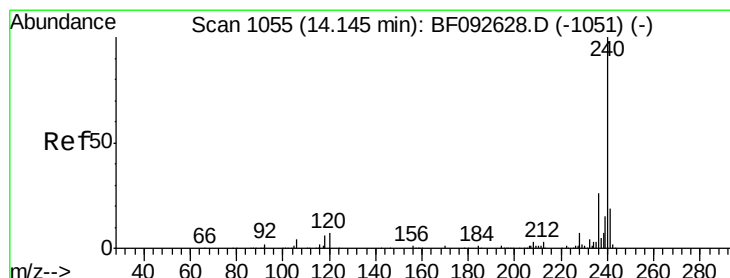
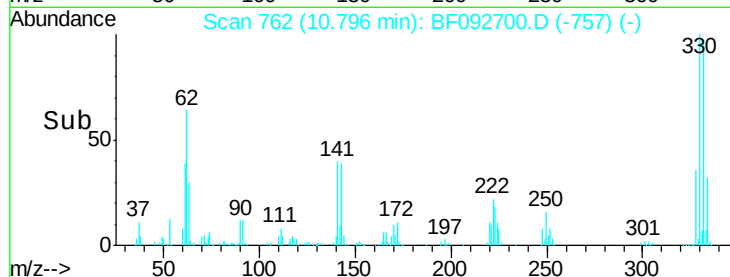
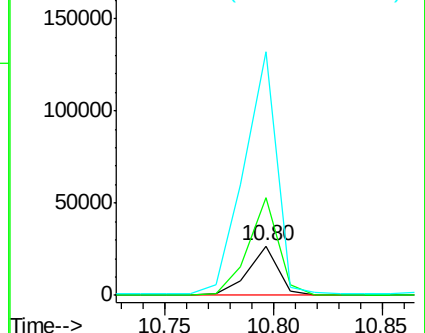
141 491.5 68.2 102.4#



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: 14.12 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

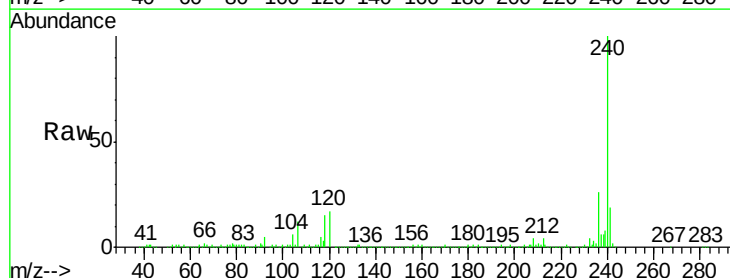
Tgt Ion:240 Resp: 496483

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

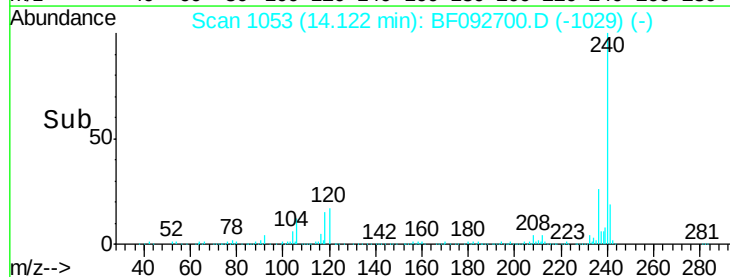
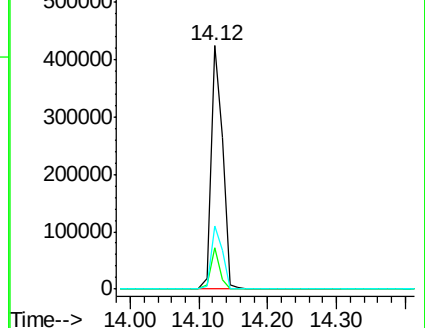
236 26.0 20.9 31.3

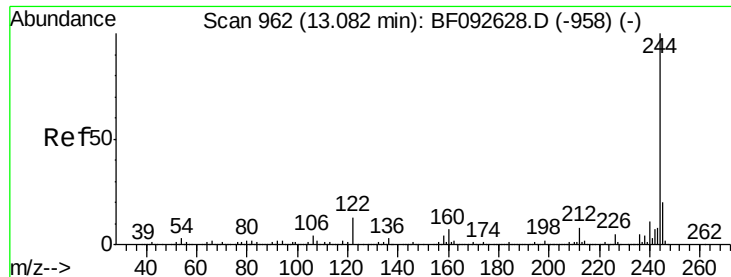


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.71 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Instrument :

BNA_F

ClientSampleId :

MW-05

Tgt Ion:244 Resp: 1642025

Ion Ratio Lower Upper

244 100

212 7.6

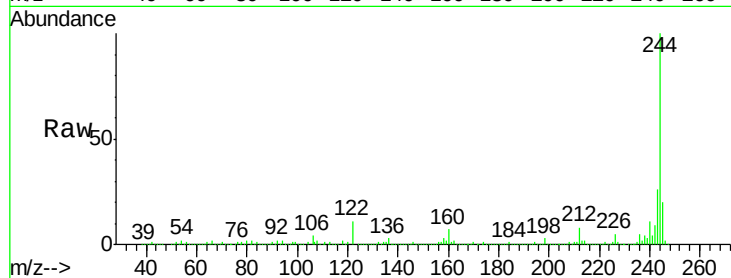
6.2

9.2

122 11.2

11.4

17.2#



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

13.08

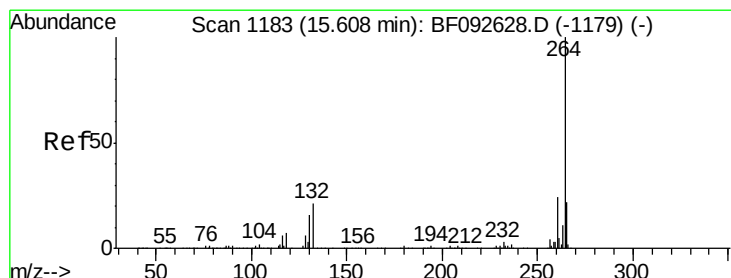
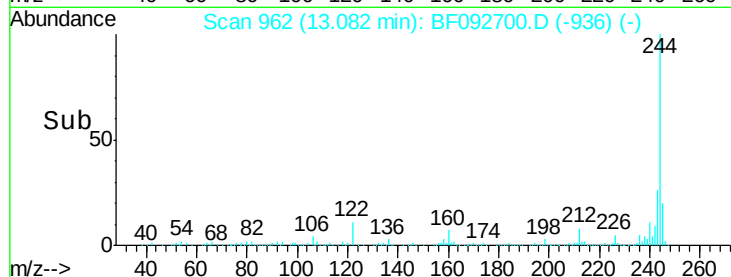
1500000

1000000

500000

0

Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.60 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF092700.D

Acq: 1 Feb 2017 00:03

Tgt Ion:264 Resp: 402739

Ion Ratio Lower Upper

264 100

260 23.8

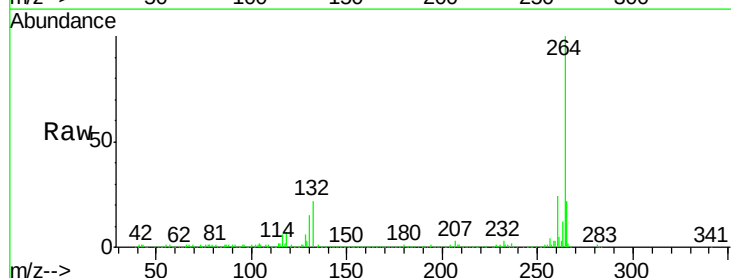
19.2

28.8

265 21.6

17.4

26.0



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

15.60

400000

300000

200000

100000

0

Time-->

