

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093740.D
 Acq On : 18 Mar 2017 8:59
 Operator : SJ/MA
 Sample : PB97670BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97670BL

Quant Time: Mar 20 01:04:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

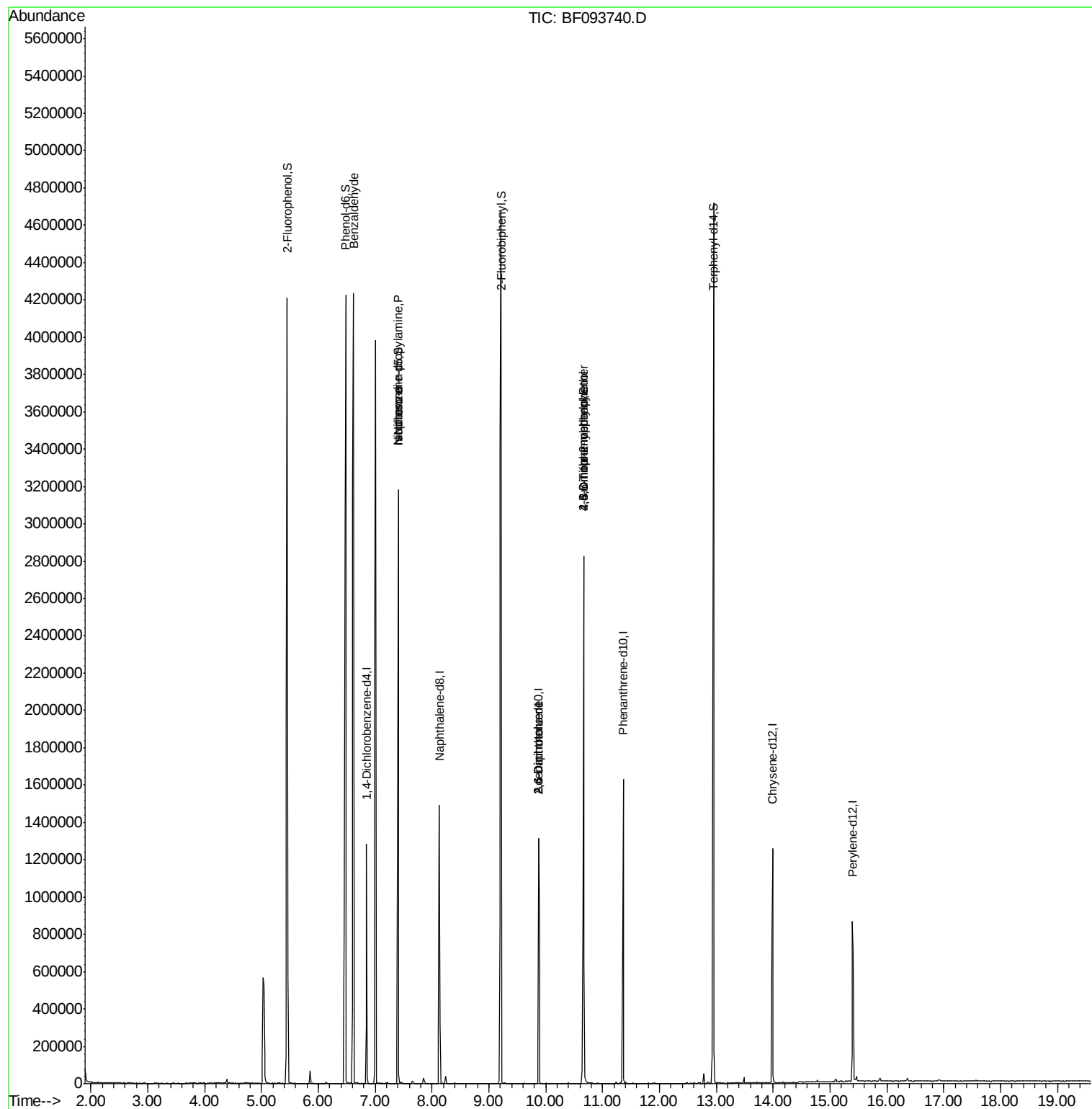
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	189990	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	698056	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	332114	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	644319	20.00	ng	0.00
75) Chrysene-d12	13.99	240	547372	20.00	ng	-0.01
86) Perylene-d12	15.40	264	437798	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1378557	120.97	ng	0.01
7) Phenol-d6	6.48	99	2024079	143.31	ng	0.00
23) Nitrobenzene-d5	7.41	82	1184641	101.85	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	353689	162.72	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2095060	119.04	ng	0.00
78) Terphenyl-d14	12.95	244	1630993	64.14	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	33623	2.27	ng	Qvalue 86
19) n-Nitroso-di-n-propylamine	7.41	70	159912	17.05	ng	# 79
25) Isophorone	7.41	82	1145917	51.18	ng	# 67
50) 2,6-Dinitrotoluene	9.88	165	41158	8.78	ng	# 34
56) 2,4-Dinitrotoluene	9.88	165	41160	6.60	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.66	198	903	4.17	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	23606	3.88	ng	# 1

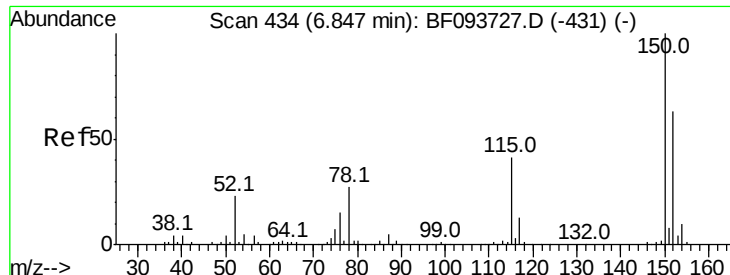
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Instrument :

BNA_F

ClientSampleId :

PB97670BL

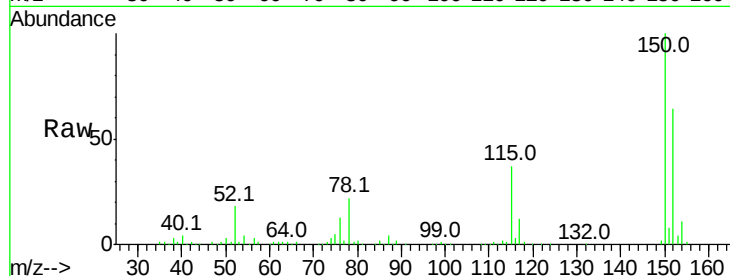
Tot Ion:152 Resp: 189990

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

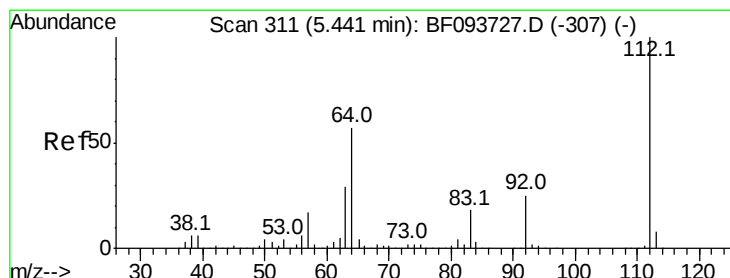
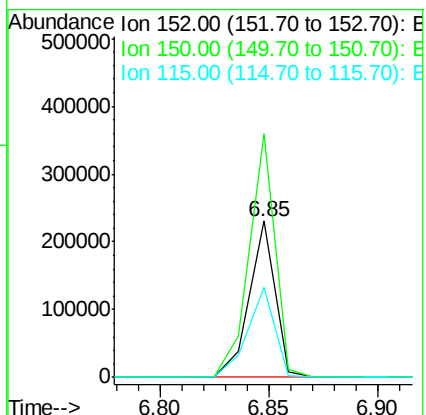
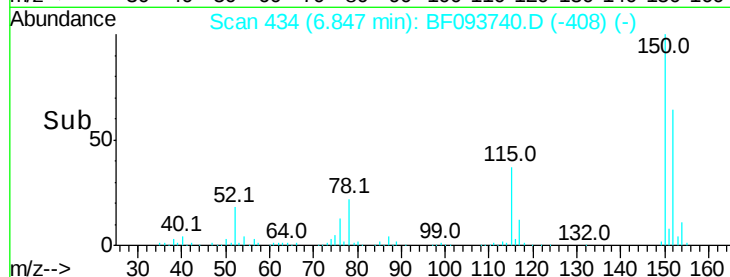
115 57.7 52.2 78.2



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: 120.97 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

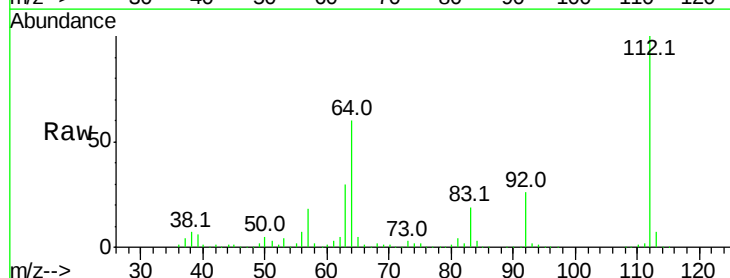
Tgt Ion:112 Resp: 1378557

Ion Ratio Lower Upper

112 100

64 60.4 46.0 69.0

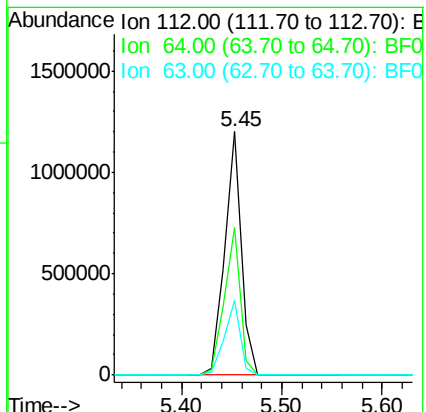
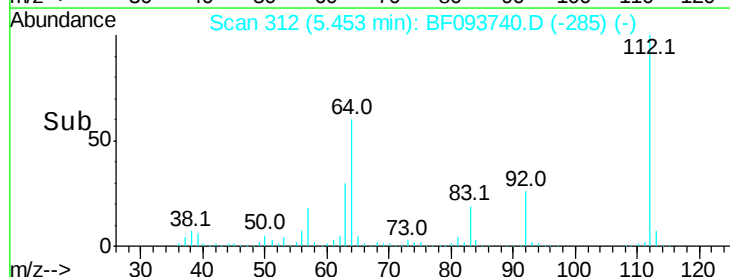
63 30.5 23.4 35.0

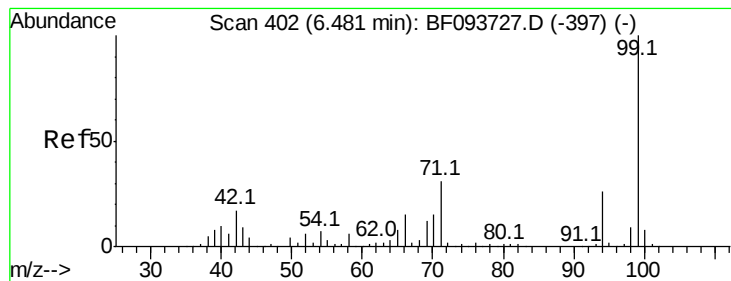


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.31 ng

RT: 6.48 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Instrument :

BNA_F

ClientSampleId :

PB97670BL

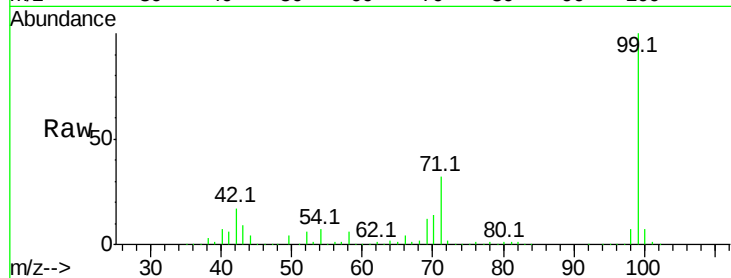
Tot Ion: 99 Resp: 2024079

Ion Ratio Lower Upper

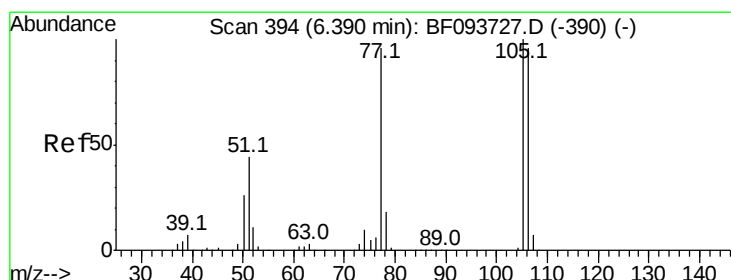
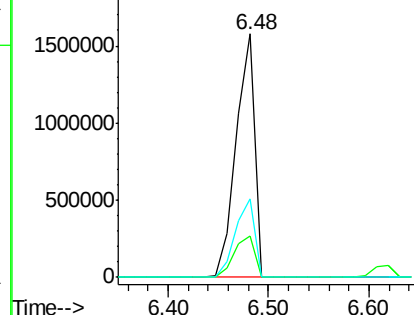
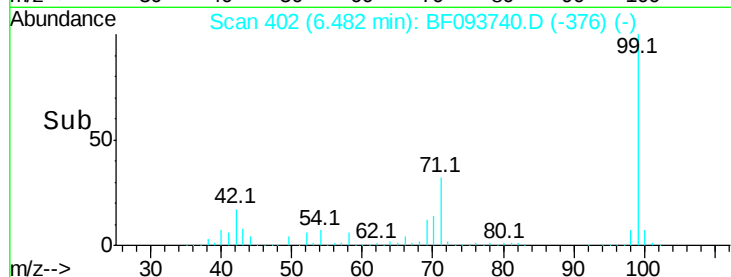
99 100

42 16.9 13.5 20.3

71 32.3 24.5 36.7



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: 2.27 ng

RT: 6.62 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

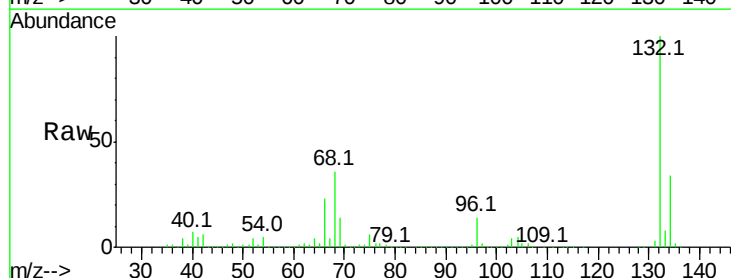
Tgt Ion: 77 Resp: 33623

Ion Ratio Lower Upper

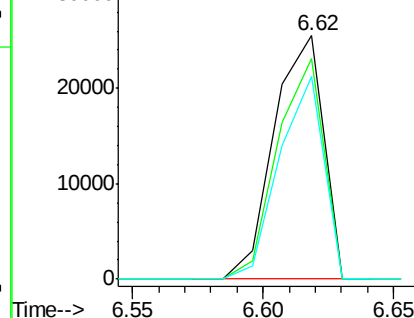
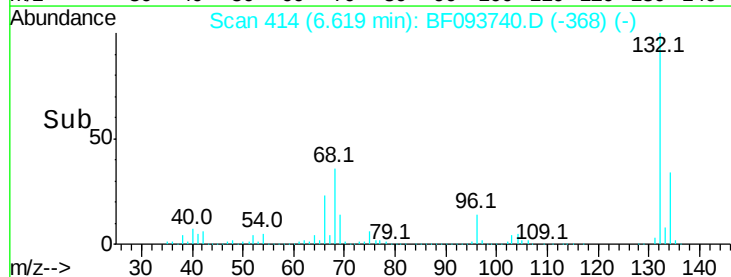
77 100

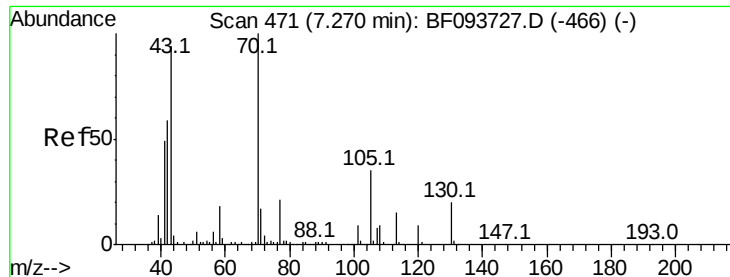
105 90.6 83.8 123.8

106 83.5 79.1 119.1



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





#19

n-Nitroso-di-n-propylamine

Concen: 17.05 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.14 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Instrument :

BNA_F

ClientSampleId :

PB97670BL

Tot Ion: 70 Resp: 159912

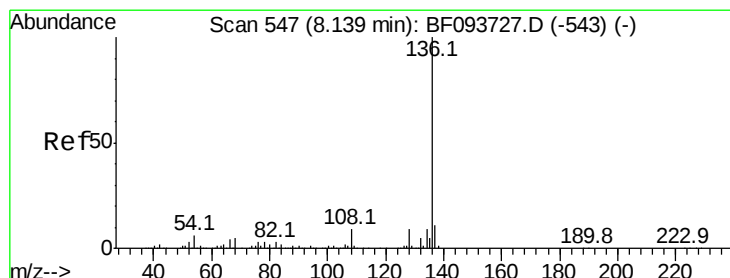
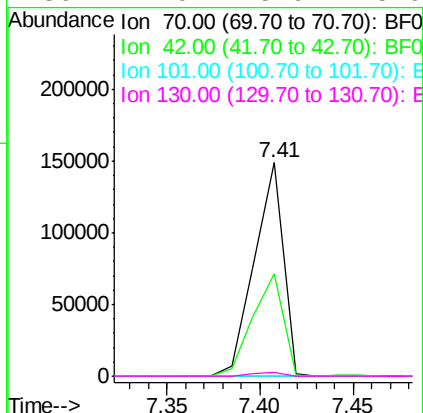
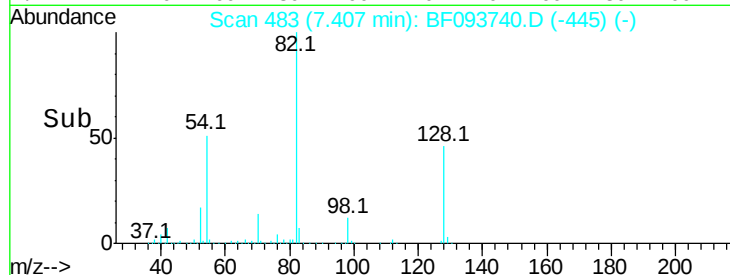
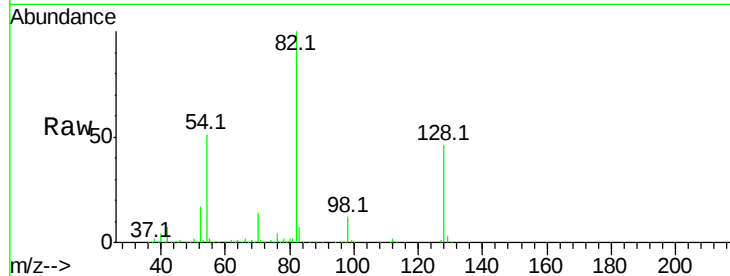
Ion Ratio Lower Upper

70 100

42 48.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Tgt Ion: 136 Resp: 698056

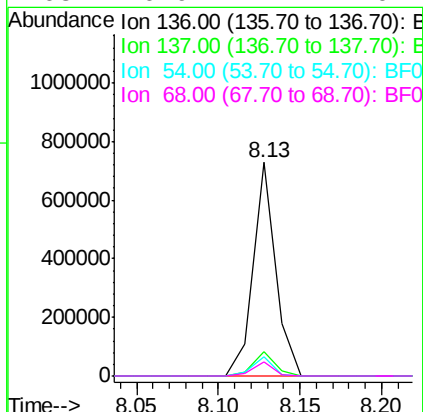
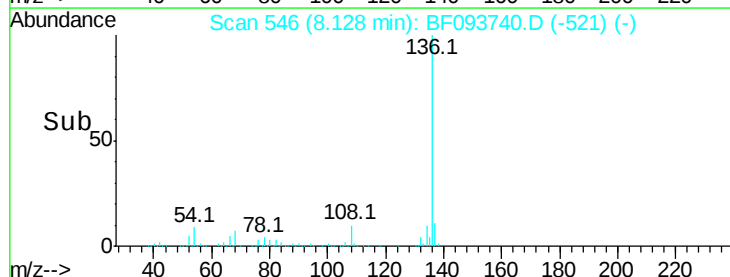
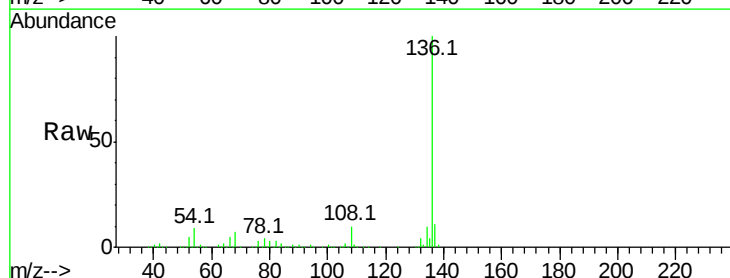
Ion Ratio Lower Upper

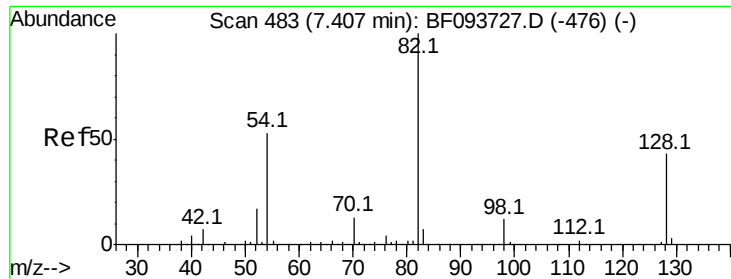
136 100

137 11.4 8.5 12.7

54 8.9 4.9 7.3#

68 6.9 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 101.85 ng

RT: 7.41 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Instrument :

BNA_F

ClientSampleId :

PB97670BL

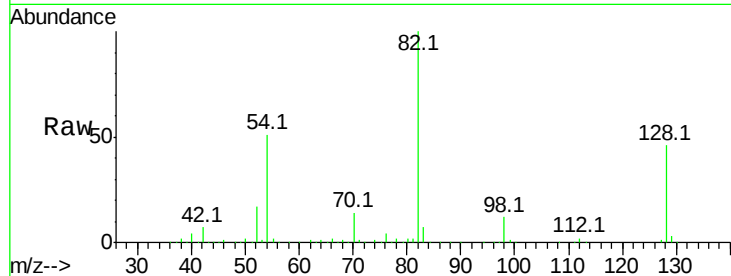
Tot Ion: 82 Resp: 1184641

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

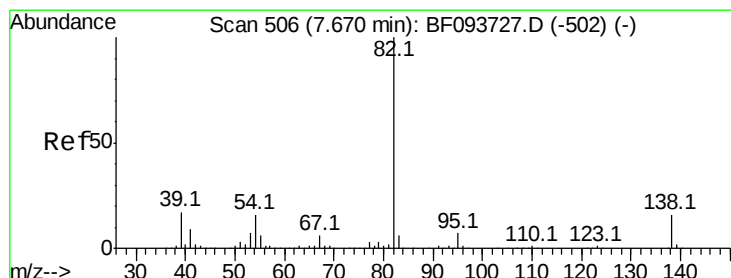
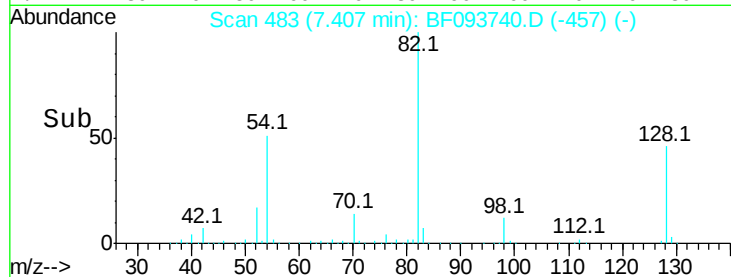
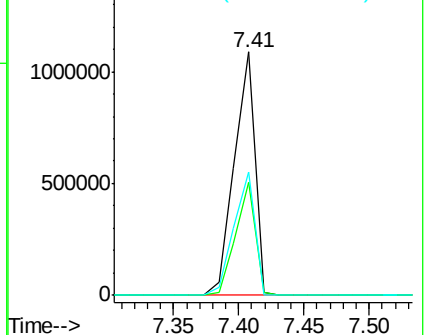
54 50.7 42.2 63.2



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: 51.18 ng

RT: 7.41 min Scan# 483

Delta R.T. -0.26 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

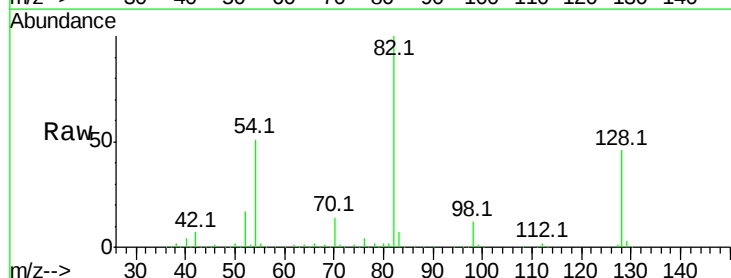
Tgt Ion: 82 Resp: 1145917

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

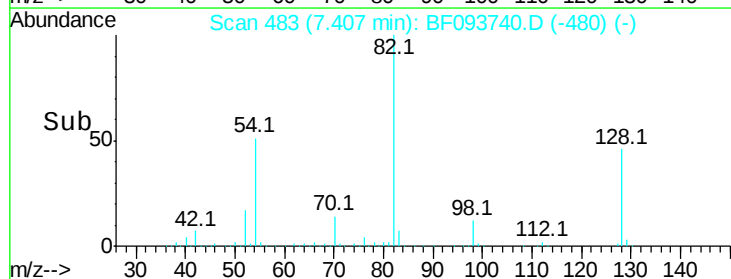
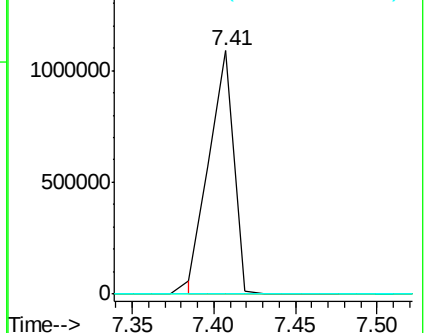
138 0.0 13.1 19.7#

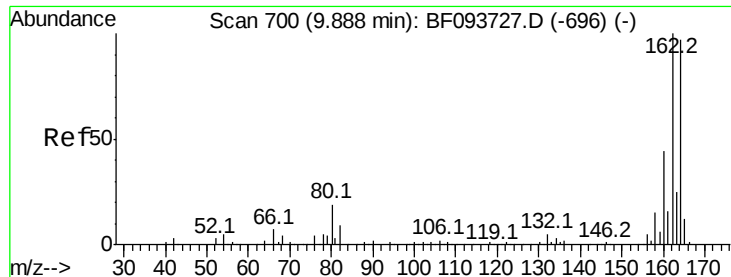


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

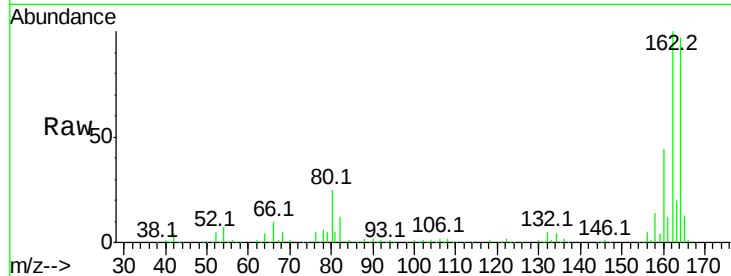




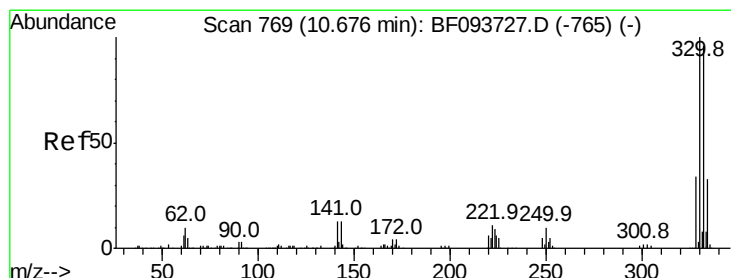
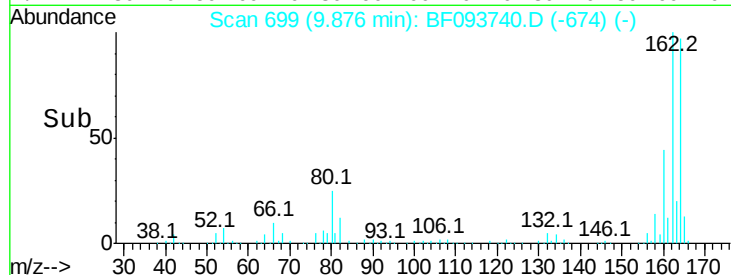
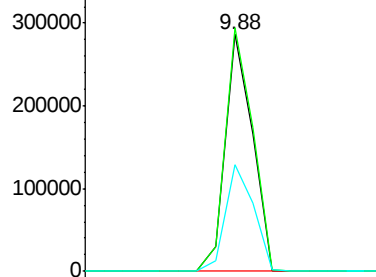
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093740.D
Acq: 18 Mar 2017 8:59

Instrument :
BNA_F
ClientSampleId :
PB97670BL

Tot Ion:164 Resp: 332114
Ion Ratio Lower Upper
164 100
162 102.8 82.6 123.8
160 44.8 36.2 54.2

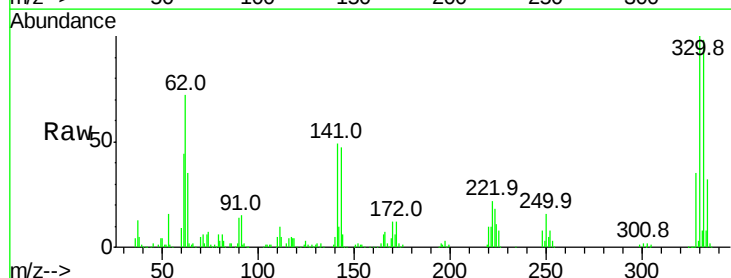


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

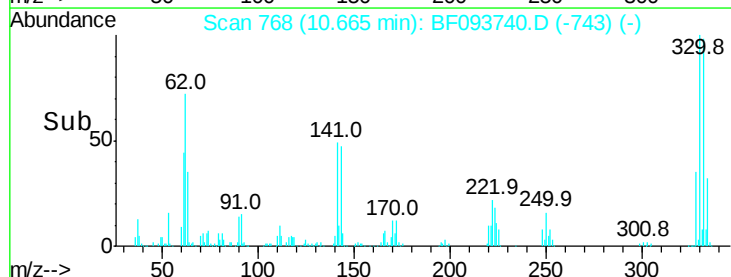
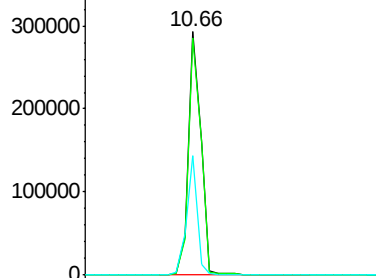


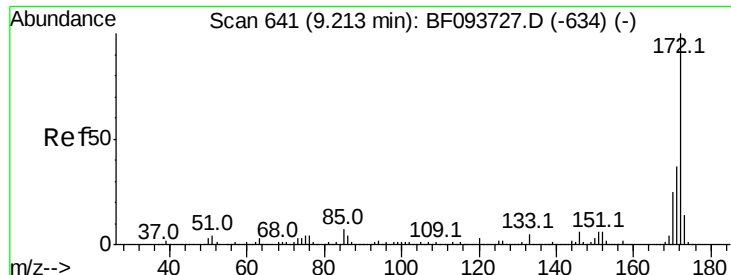
#41
2,4,6-Tribromophenol
Concen: 162.72 ng
RT: 10.66 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF093740.D
Acq: 18 Mar 2017 8:59

Tgt Ion:330 Resp: 353689
Ion Ratio Lower Upper
330 100
332 97.5 76.6 115.0
141 41.6 31.4 47.2



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



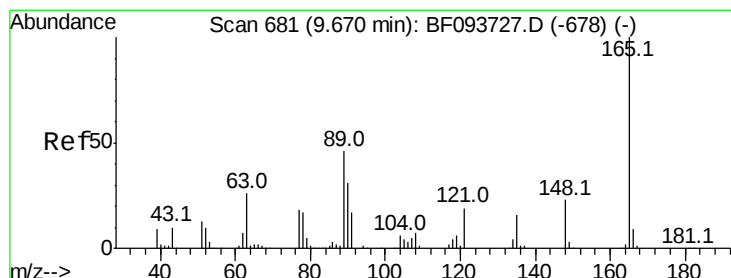
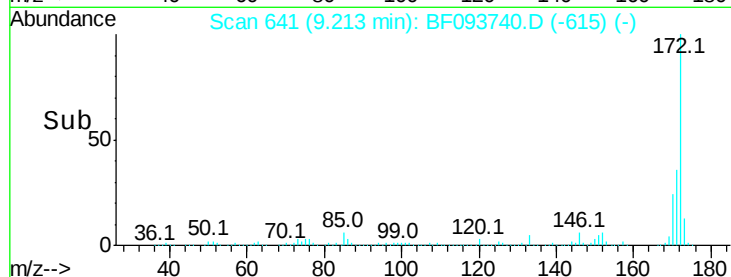
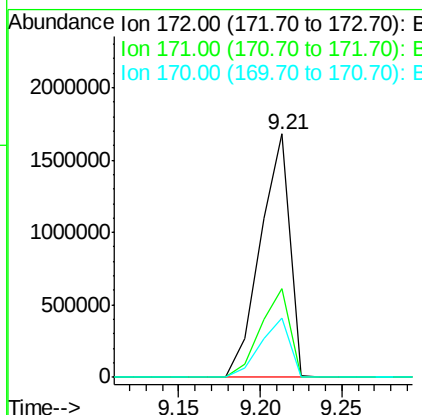
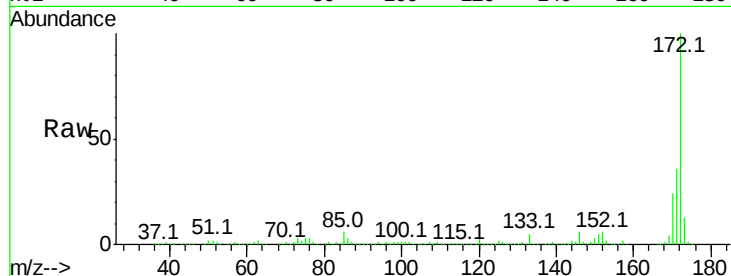


#44
 2-Fluorobiphenyl
 Concen: 119.04 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Instrument :
 BNA_F
 ClientSampleId :
 PB97670BL

Tot Ion:172 Resp: 2095060

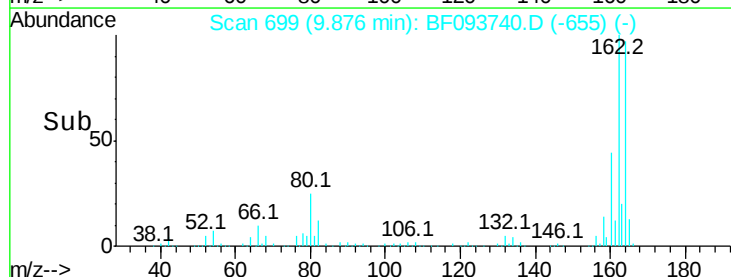
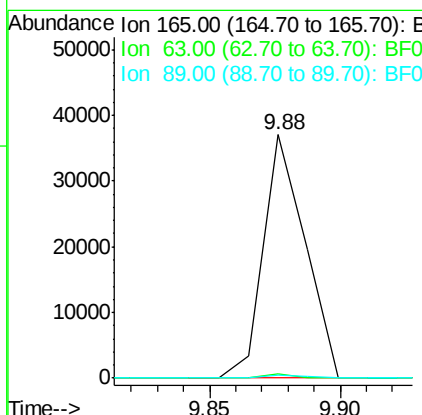
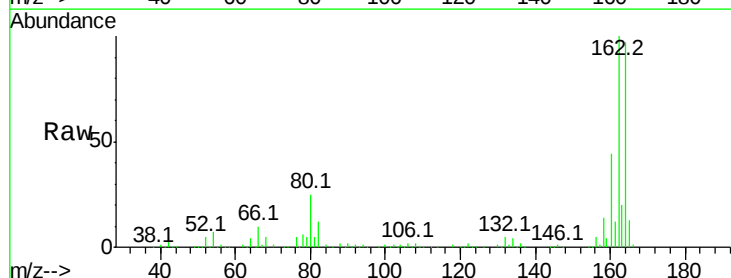
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	19.8	29.8

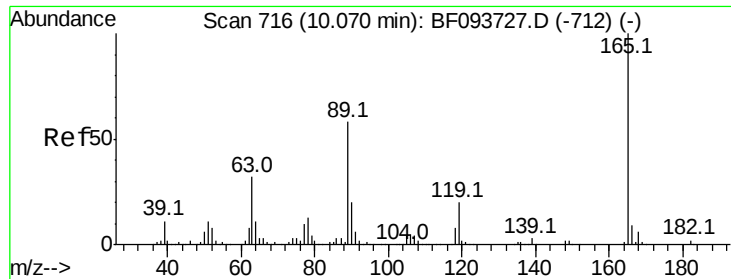


#50
 2,6-Dinitrotoluene
 Concen: 8.78 ng
 RT: 9.88 min Scan# 699
 Delta R.T. 0.21 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Tgt Ion:165 Resp: 41158

Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.2	37.1	55.7#

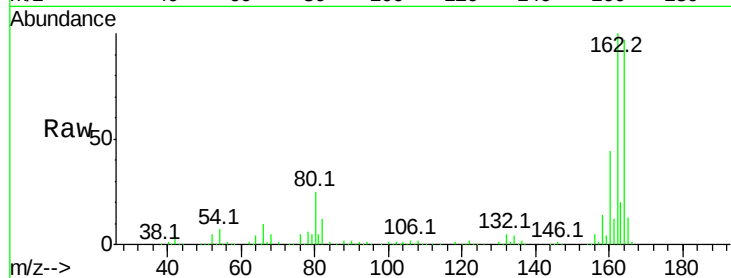




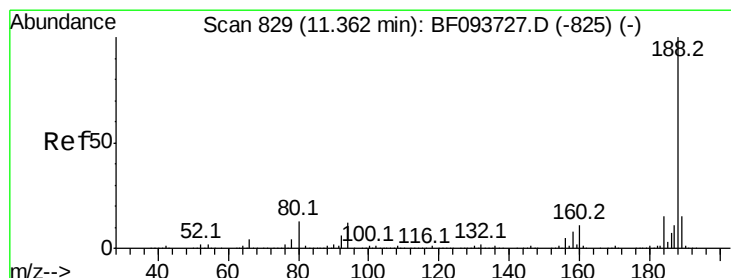
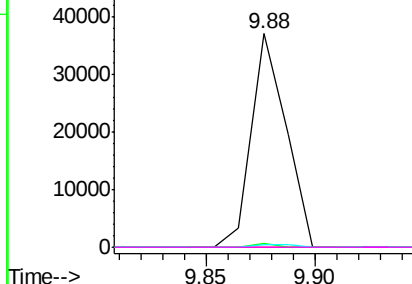
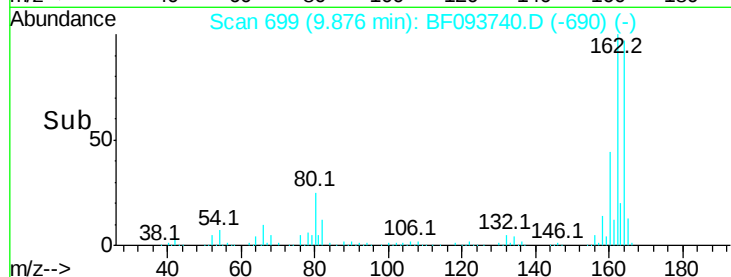
#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.19 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Instrument :
 BNA_F
 ClientSampleId :
 PB97670BL

Tot Ion:165 Resp: 41160
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#

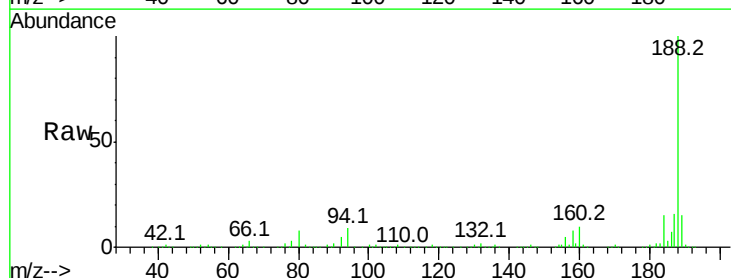


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

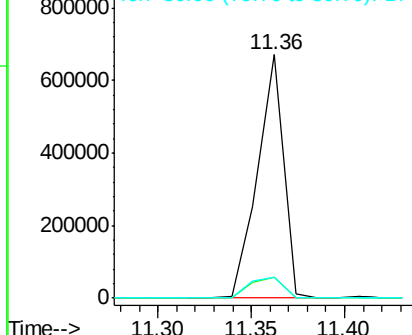
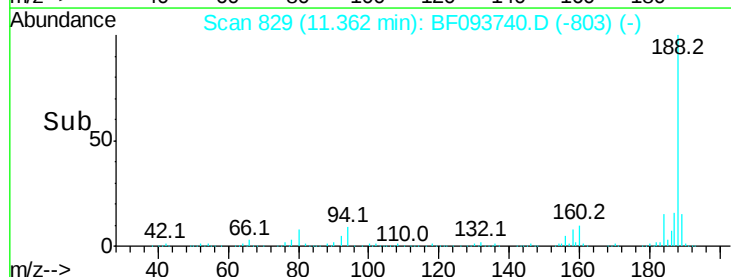


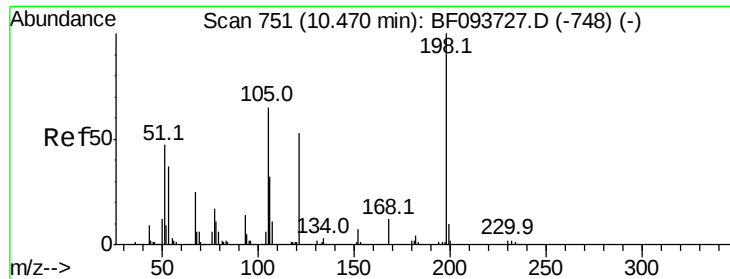
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Tgt Ion:188 Resp: 644319
 Ion Ratio Lower Upper
 188 100
 94 8.8 9.4 14.2#
 80 8.5 10.2 15.2#



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

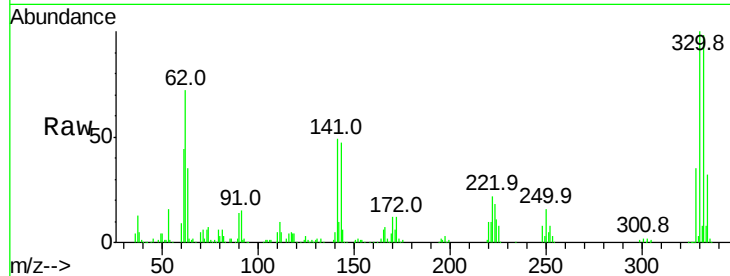




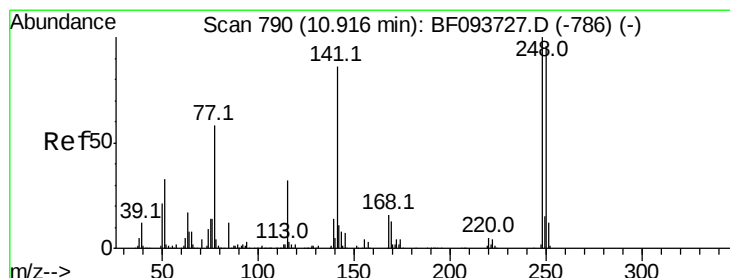
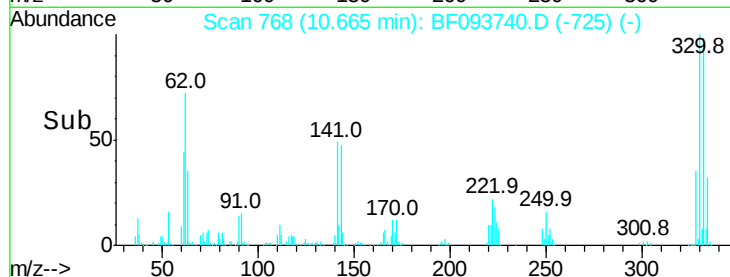
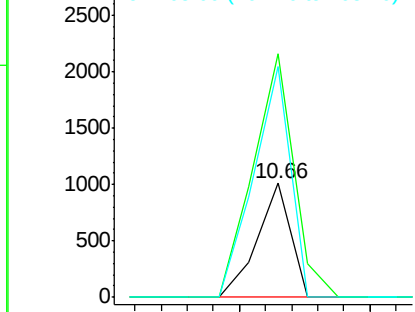
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.17 ng
 RT: 10.66 min Scan# 768
 Delta R.T. 0.19 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Instrument :
 BNA_F
 ClientSampleId :
 PB97670BL

Tot Ion:198 Resp: 903
 Ion Ratio Lower Upper
 198 100
 51 213.8 53.2 93.2#
 105 202.6 45.8 85.8#

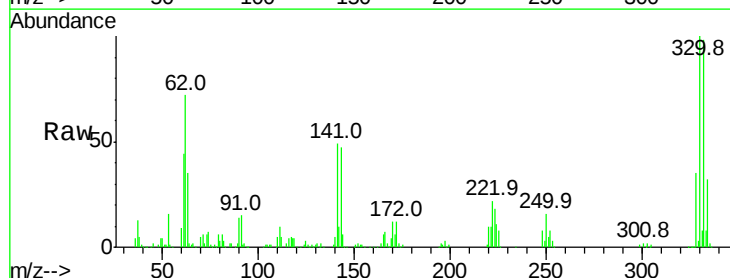


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

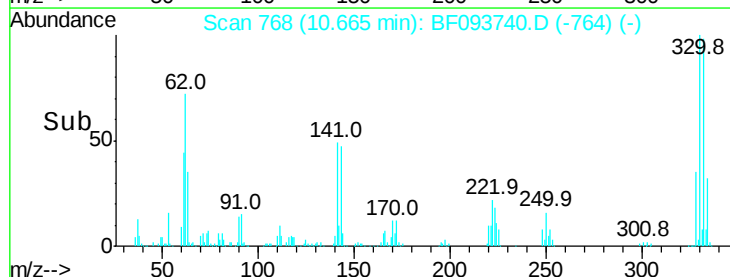
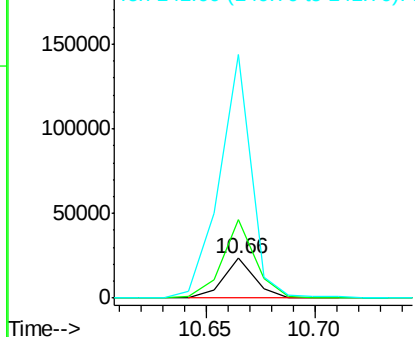


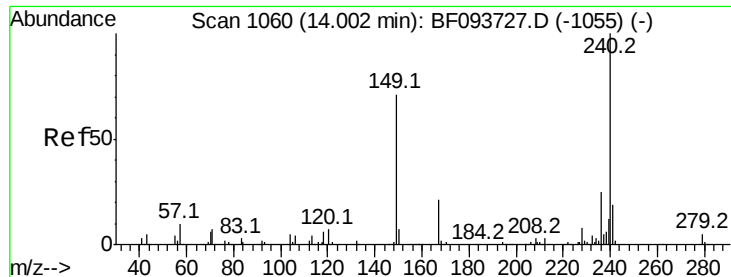
#66
 4-Bromophenyl-phenylether
 Concen: 3.88 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.25 min
 Lab File: BF093740.D
 Acq: 18 Mar 2017 8:59

Tgt Ion:248 Resp: 23606
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.8 115.2#
 141 613.9 68.6 103.0#



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: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

Instrument :

BNA_F

ClientSampleId :

PB97670BL

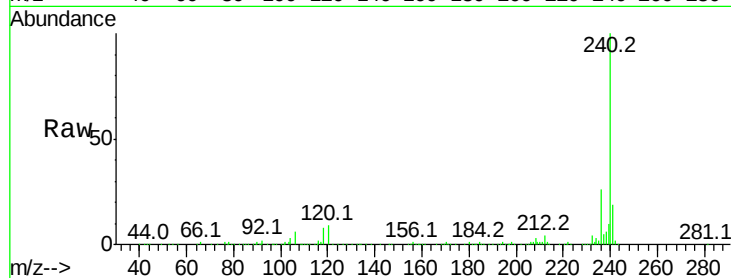
Tot Ion:240 Resp: 547372

Ion Ratio Lower Upper

240 100

120 9.5 5.8 8.8#

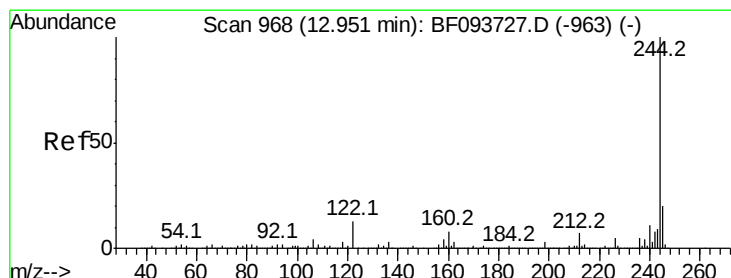
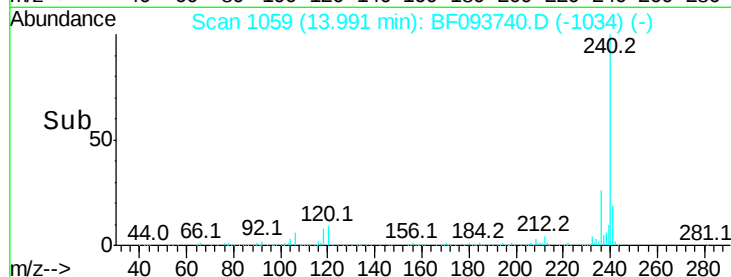
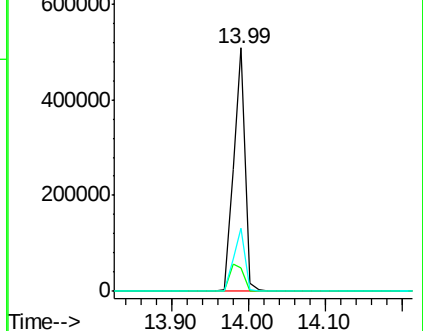
236 25.9 20.5 30.7



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: 64.14 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093740.D

Acq: 18 Mar 2017 8:59

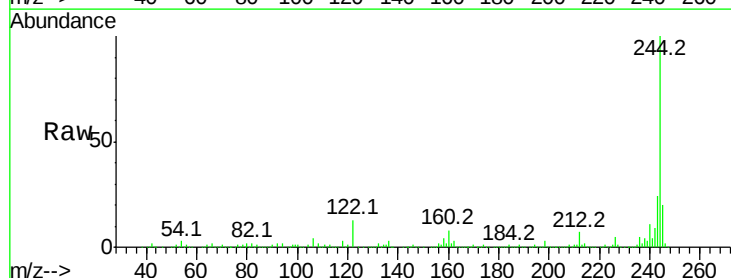
Tgt Ion:244 Resp: 1630993

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

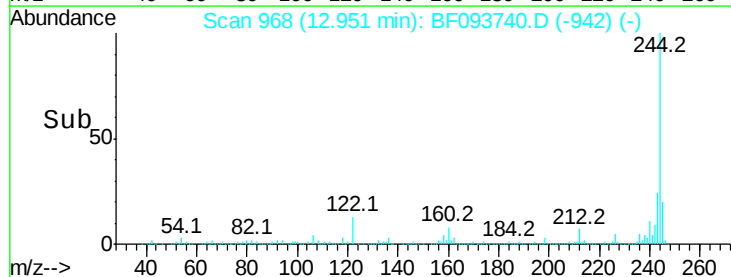
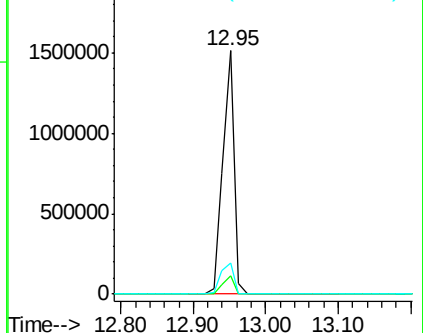
122 12.8 10.3 15.5

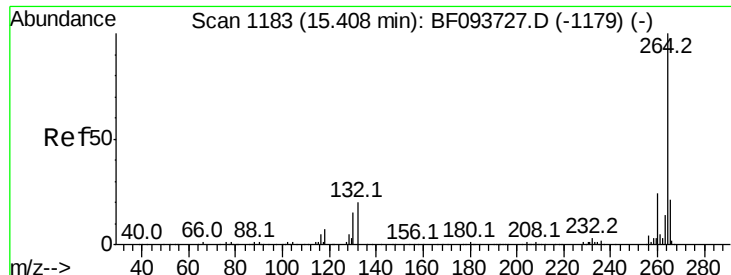


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



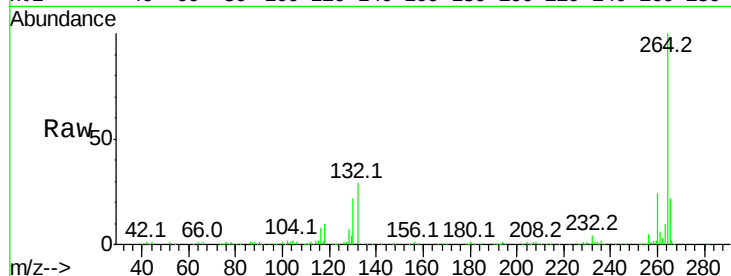


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF093740.D
Acq: 18 Mar 2017 8:59

Instrument :
BNA_F
ClientSampleId :
PB97670BL

Tot Ion: 264 Resp: 437798

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.9	17.2	25.8



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

